VILLAGE COUNCIL AGENDA
REGULAR MEETING
226 Cypress Lane, Palm Springs, Florida 33461
Thursday, October 14, 2021
6:30 PM

Persons who need an accommodation in order to attend or participate in this meeting should contact the Village Clerk at (561) 965-4010 at least three (3) business days prior to the meeting in order to request such assistance.

---

1. **CALL TO ORDER**

2. **ROLL CALL** *Mayor Bev Smith, Vice Mayor Gary Ready, Mayor Pro Tem Doug Gunther, Council Member Joni Brinkman, Council Member Patti Waller, Village Attorney Glen Torcivia, Interim Village Manager Michael Bornstein, and Village Clerk Kimberly Wynn*

3. **INVOCATION**

4. **PLEDGE OF ALLEGIANCE**

5. **ADDITIONS, DELETIONS, OR MODIFICATIONS, AND APPROVAL OF AGENDA**

6. **CONSENT AGENDA** *(Public Comment on Consent Agenda Items is permissible prior to voting)*

   6.1 Approval of September 8, 2021 Local Planning Agency Meeting Minutes
   1. September 8, 2021 Local Planning Agency Meeting Minutes

   6.2 Approve Property Improvement Program (PIP) Matching Grant Awards - 332 Pinehurst Road, 3045 Gulfstream Road, 1853 Bell Lane, 3697 Corrigan Court, 1022 Springdale Court, 201 Lake Arbor Drive and 331 Springdale Circle.
   1. Property Improvement Grant Agreement - 332 Pinehurst Road
   2. 332 Pinehurst Road - Before & After Photos
   3. Property Improvement Grant Agreement - 3045 Gulfstream Road
   4. 3045 Gulfstream Road - Before & After Photos
   5. Property Improvement Grant Agreement - 1853 Bell Lane
   6. 1853 Bell Lane - Before & After Photos
   7. Property Improvement Grant Agreement - 3697 Corrigan Court

8. 3697 Corrigan Court - Before & After Photos

9. Property Improvement Grant Agreement - 1022 Springdale Court
10. 1022 Springdale Court - Before & After Photos
11. Property Improvement Grant Agreement - 201 Lake Arbor Drive
12. 201 Lake Arbor Drive - Before & After Photos
13. Property Improvement Grant Agreement - 331 Springdale Circle
14. 331 Springdale Circle - Before & After Photos

6.3 Approve Sodium Hypochlorite Contract - Piggyback - Public Service Department (FY 2022 Budget Funded - Water & Sewer Enterprise Fund) – Allied Universal Corporation
1. Agreement will be Provided Prior to the Meeting
2. Approval to Piggyback - Allied Universal Corporation
3. Charlotte County - Executed Agreement - Allied Universal Corporation
4. Charlotte County Bid Tabulation - Allied Universal Corporation
5. Charlotte County Invitation to Bid

6.4 Approve Irrigation Pump Conversion at Foxtail Palm Park (Task Order No. 299) - Piggyback - Parks and Recreation Department (FY 2022 Budget - General Fund) - A Cut Above Landscape & Irrigation
1. Proposed Piggyback Agreement - A Cut Above Landscape & Irrigation, Inc.
2. Proposal - A Cut Above Landscape & Irrigation
3. Foxtail Palm Park Recharge Well Diagram
4. Approval to Piggyback - A Cut Above Landscape & Irrigation, Inc.
5. A Cut Above Landscape & Irrigation, Inc. - Bid Response (Pricing)
6. Palm Beach County Project Number 20200053 - Executed Contract
7. Palm Beach County, Florida - Engineering Annual Roadway Landscape Contract - Award Notice
8. Palm Beach County, Florida - Project Number 2020053 - Bid Tab Summary
9. Palm Beach County - Invitation to Bid - Annual Landscaping
10. Palm Beach County Project Number 20200053 - Bid Advertisement
11. State of Florida Irrigation License - A Cut Above Landscape & Irrigation, Inc.

END OF CONSENT AGENDA

7. PRESENTATIONS

7.1 Mediation Week Proclamation - October 18-24, 2021
1. Mediation Week Proclamation

7.2 Florida City Government Month Proclamation - October 2021
1. Florida City Government Month - Proclamation - 2021

8. PUBLIC COMMENT *The public shall be limited to three (3) minutes to speak on agenda or non-agenda item(s)*

9. PUBLIC HEARINGS

9.1 Ordinance No. 2021-06 - Land Use and Rezoning (Small-Scale) Amendments - Boatman's Hammock - 4445 Boatman Street and Vacant Lot on Todd Street ***(Quasi-Judicial Hearing)(Second Reading)(Postponed/Continued from August 26, 2021 Meeting)***

1. Proposed Ordinance No. 2021-06 - Comprehensive Plan (Small Scale) Land Use and Rezoning Amendment - 4445 Boatman Street and Vacant Lot on Boatman Street
2. Exhibit "A" Staff Report & Conditions of Approval (For Informational Purposes Only)
3. Applicant's Justification Statements
4. Proposed Site Plan, Landscape Plans, Building Elevations (For Informational Purposes Only)
5. Colored Site Plan and Renderings (For Informational Purposes Only)
6. Aerial, Location, FLU and Zoning Maps
7. LWH Advertisement - Ordinance No. 2021-06 on May 27, 2021 and June 17, 2021

9.2 Resolution No. 2021-18 - Site Development Plan - Boatman's Hammock Residential Planned Development Site Plan with Waivers (SPR21-09) - *(Quasi-Judicial Hearing)*

1. Proposed Resolution No. 2021-18 - Site Development Plan Amendment - Boatman Hammock - 4445 Boatman Street & Vacant lot on Todd Street
2. Exhibit "A" Staff Recommendation and Conditions of Approval
3. Site Plan, Landscape Plans, Architectural Plans, Civil Plans and Letters
4. Project Narrative and Justification Statements
5. Colored Site Plans
6. Colored Elevations with Finish Schedule
7. Colored Open Space Exhibit
8. Aerial, Location, FLU and Zoning Maps
9. Legal Description
10. Notice of Public Hearing - 4445 Boatman Street - Boatman Townhomes

9.3 Resolution No. 2021-30 - Residential Planned Development Site Development Plan (PSE21-11) with four (4) Waivers - Prairie Road Subdivision (a/k/a Lox Landing) - 1974 Prairie Road (*Quasi-Judicial Hearing*)

1. Proposed Resolution No. 2021-30 - Residential Planned Development Site Plan - Prairie Road Subdivision - 1974 Prairie Road
2. Exhibit "A" Staff Report and Recommended Conditions of Approval
3. Project Narrative and Justification Statement
4. Site Plan, Landscape Plans, Engineering Plans, Architectural Plans and Letters
5. Color Site Plan and Color Rendering
6. Warranty Deed and Legal Description
7. Aerial Map and Location Map
8. LWH Advertisement Resolution No. 2021-30 - September 2, 2021

9.4 Ordinance No. 2021-09 - Land Use and Rezoning (Small-Scale) Amendments - Prince Place - 3075 Prince Drive, 3098 Ferrell Drive & a vacant lot on Paetzold Drive *(Quasi-Judicial Hearing) (First Reading)*

1. Ord No. 2021-09 Small Scale Land Use Amendment and Rezoning - Prince Place
2. Exhibit "A" Staff Recommendation and Conditions of Approval
3. Applicant Justification Statements

4. Site Plan, Landscape Plans, Architectural Plans, Civil Plans and Letters

5. Color Site Plan and Color Rendering
6. Warranty Deed
7. Aerial, Location, FLU and Zoning Map
8. LWH Advertisement Ordinance No. 2021-09 - September 2, 2021 and October 7, 2021

9.5 Ordinance No. 2021-12 - Village Code Amendment - Chapter 78 - Grease Interceptors and Traps (*First Reading*)
1. Proposed Ordinance No. 2021-12 Grease Trap

9.6 Ordinance No. 2021-14 - Amendment to the Police Officers' Pension Plan (*First Reading*)
1. Proposed Ordinance No. 2021-14 Police Pension
2. Letter from Margie Adcock Plan Administrator

10. ACTIONS AND REPORTS

10.1 Temporary Use Permit - On-Site Equipment Storage and Office Use - Primoris T&D Services, LLC - 1195 South Congress Avenue
1. Temporary Use Permit Agreement - 1195 South Congress Avenue
2. Proposed Site Plan and Description
3. Aerial and Location Maps
4. Section 34- 895. Temporary Land Uses in Zoning Districts

11. VILLAGE MANAGER COMMENTS

12. VILLAGE COUNCIL COMMENTS

13. ADJOURNMENT

Next Meeting

THURSDAY, NOVEMBER 18, 2021 AT 6:30 PM

If a person decides to appeal any decision made by this Council with respect to any matter considered at this meeting, he will need a record of the proceeding, and that for such purpose he may need to ensure that verbatim record of the proceedings is made, which record includes the testimony and evidence upon which the appeal is to be based.

LOCAL PLANNING AGENCY BOARD REGULAR MEETING MINUTES

Village Hall - Council Chambers

226 Cypress Lane | Palm Springs, FL 3461

Wednesday, September 8, 2021, at 6:00 PM

COUNCIL	**ADMINISTRATION**
Mayor Beverly Smith	Village Manager Richard Reade
Vice Mayor Gary Ready	Village Attorney Glen Torcivia
Mayor Pro Tem Doug Gunther	Village Clerk Kimberly Wynn
Council Member Joni Brinkman	
Council Member Patti Waller	

---

1. CALL TO ORDER

Mayor Smith called the Local Planning Agency Meeting to order at 6:23 PM *(Immediately following the Community Redevelopment Agency Meeting -Session 1)*

2. ROLL CALL

Mayor Bev Smith, Vice Mayor Gary Ready, Mayor Pro Tem Doug Gunther, Council Member Joni Brinkman, Council Member Patti Waller (Remote),

Absent: None

Also Present: Village Attorney Glen Torcivia, Legal Counsel, Village Clerk,, Kimberly Wynn, Iramis Cabrera, Planning, Zoning and Building Director, Kim Glas-Castro, Assistant Village Manager, Police Chief, Tom Ceccarelli as Sergeant-in-Arms, Director, Rebecca Morse, Chief Finance Officer (Remote), Village Manager Richard Reade (Remote)

3. PUBLIC HEARINGS

3.1 Approve Palm Springs CRA Community Redevelopment Plan (Modification) - Finding of Consistency with the Village's Comprehensive Plan Notification of Public Hearing for CRA Community Redevelopment Plan Future Land Use

Element - Village of Palm Springs Comprehensive Plan Proposed Palm Springs CRA Community Redevelopment Plan (Modifications)

Mayor Smith asked for a statement of advertisement. The Comprehensive Plan did not get advertised in the newspaper yet. The Assistant Village Manager, Mrs. Glas-Castro, advised that this did not require advertising. Assistant Village Manager Glas-Castro gave a summary of the Comprehensive Plan.

Mayor Smith offered the public an opportunity to speak. There were no public comments.

Mayor Pro Tem Gunther made a motion to recommend approval of the CRA Modification Plan - Finding of Consistency with the Village's Comprehensive Plan. Council Member Brinkman seconded the motion; it carried 5-0.

4. ADJOURNMENT

Hearing no further business, Mayor Smith adjourned the meeting at 6:28 PM.

ATTEST:

_____

Bev Smith, Mayor

The undersigned is the Village Clerk of Palm Springs, Florida, and the information provided herein is the Minutes of the Regular Council Meeting held on **September 8, 2021**. Which minutes were formally approved and adopted by the Village Council on **October 14, 2021.**

_____

Kimberly M. Wynn, Village Clerk

Village of Palm Springs

Executive Brief

AGENDA DATE: October 14, 2021

DEPARTMENT: Planning, Zoning & Building

ITEM 6.2:

Approve Property Improvement Program (PIP) Matching Grant Awards - 332 Pinehurst Road, 3045 Gulfstream Road, 1853 Bell Lane, 3697 Corrigan Court, 1022 Springdale Court, 201 Lake Arbor Drive and 331 Springdale Circle.

SUMMARY:

The Village's Property Improvement Program (PIP) Committee is recommending that seven (7) grant awards be approved for property owners who have completed an improvement project to their property and have filed the necessary documentation to receive matching grant funding under this program:

- Owner/Resident: Jennifer Brinkman
- Address: 332 Pinehurst Road
- Project: Replaced asphalt shingle roof with new dimensional shingle roof
- Eligible (Project) Cost(s): $ 8,000.00
- Matching Grant Award: $ 4,000.00

- Owner/Resident: Maureen Steere
- Address: 3045 Gulfstream Road
- Project: Replaced asphalt shingle roof with asphalt shingle roof
- Eligible (Project) Cost(s): $13,032.64
- Matching Grant Award: $ 5,000.00

- Owner/Resident: Norma Saenz
- Address: 1853 Bell Lane

- Project: Replaced asphalt shingle roof with dimensional shingle roof
- Eligible (Project) Cost(s): $24,300.00
- Matching Grant Award: $ 5,000.00

- Owner/Resident: Carlos O Pineiro
- Address: 3697 Corrigan Court
- Project: Replaced existing concrete driveway with pavers
- Eligible (Project) Cost(s): $ 7,881.60
- Matching Grant Award: $ 3,940.30

- Owner/Resident: Miriam Aguilar
- Address: 1022 Springdale Court
- Project: Replaced mansard roof with modified roofing system
- Eligible (Project) Cost(s): $10,600.00
- Matching Grant Award: $ 5,000.00

- Owner/Resident: Darlene Horta
- Address: 201 Lake Arbor Drive
- Project: Replaced mansard roof with new cedar shake roof
- Eligible (Project) Cost(s): $10,750.00
- Matching Grant Award: $ 5,000.00

- Owner/Resident: Manrique H. Rojas Ramirez
- Address: 331 Springdale Circle
- Project: Replaced mansard roof with a modified roofing system
- Eligible (Project) Cost(s): $12,500.00
- Matching Grant Award: $ 5,000.00

The PIP Selection Committee met on May 4, 2021, and July 6, 2021, and recommended approval of the grant awards (up to 50% of $5,000). If approved by the Village Council, the awardees will be mailed their check and maybe acknowledged at a future Village Council meeting.

FISCAL IMPACT:

Funding to support the proposed awards is available within the FY21 Budget - General Fund.

ATTACHMENTS:

Property Improvement Grant Agreement - 332 Pinehurst Road
332 Pinehurst Road - Before & After Photos
Property Improvement Grant Agreement - 3045 Gulfstream Road
3045 Gulfstream Road - Before & After Photos

Property Improvement Grant Agreement - 1853 Bell Lane

1853 Bell Lane - Before & After Photos
Property Improvement Grant Agreement - 3697 Corrigan Court
3697 Corrigan Court - Before & After Photos
Property Improvement Grant Agreement - 1022 Springdale Court
1022 Springdale Court - Before & After Photos
Property Improvement Grant Agreement - 201 Lake Arbor Drive
201 Lake Arbor Drive - Before & After Photos
Property Improvement Grant Agreement - 331 Springdale Circle
331 Springdale Circle - Before & After Photos

Village of Palm Springs

PROPERTY IMPROVEMENT GRANT AGREEMENT

THIS AGREEMENT is entered into this 7th day of July 2021, by and between the VILLAGE OF PALM SPRINGS and Jennifer Brinkman (Applicant).

WHEREAS, the Applicant has made application for a grant with the Village of Palm Springs under the Property Improvement Program for real property located at 332 Pinehurst Road; and

WHEREAS, the Village of Palm Springs has approved said application.

IT IS HEREBY AGREED AS FOLLOWS:

1) Applicant agrees to rehabilitate the rehabilitate the existing shingled roof with new roofing material or other property elements consistent with the application submitted to the Village, which is attached to the Agreement as Exhibit "A".
2) In consideration of same and upon satisfactory completion and submittal of appropriate receipts, as determined by the Village Land Development Director in his/her sole discretion, the Village will reimburse Applicant fifty percent (50%) of the total (eligible) project costs, in an amount not to exceed $4,000.00. **In no event shall the Village's reimbursement costs exceed $5,000.00.**
3) Applicant, its successors or assigns, agrees to complete all work, as described on Exhibit "A" and obtain a Certificate of Occupancy or other applicable document that shows 100% completion of the work within one year from the execution of this Agreement, as set forth above.
4) Applicant, its successors or assigns, agrees to maintain the improvements for a period of five (5) years from completion. Should applicant, its successors or assigns, fail to maintain said improvements for a period of five years, applicant, its successors or assigns, shall be obligated to reimburse the Village the full amount of grant funding contributed by the Village under paragraph 2 of this Agreement.
5) This agreement shall be governed by the Laws of the State of Florida and venue shall be in Palm Beach County.

IN WITNESS WHEREOF, the parties have executed this agreement on the date first stated above.

APPLICANT

BY: _____

Print Name: Jennifer Brinkman

VILLAGE OF PALM SPRINGS

BY: _____

Kim Glas-Castro, Assistant Village Manager

STATE OF FLORIDA

COUNTY OF Palm Beach

The foregoing instrument was acknowledged before me this 19 day of July, 2021, by Jennifer Brinkman (name of person acknowledging), who is personally known to me or who has produced FL DL (type of identification) as identification.

(SEAL)

LAURA M BUZZETTA
Notary Public - State of Florida
Commission # GG 974325
My Comm. Expires Mar 30, 2024
Bonded through National Notary Assn.

_____

Signature of Notary Public – State of Florida



BEFORE



AFTER

Village of Palm Springs

PROPERTY IMPROVEMENT GRANT AGREEMENT

THIS AGREEMENT is entered into this 7th day of May 2021, by and between the VILLAGE OF PALM SPRINGS and Maureen Steere (Applicant).

WHEREAS, the Applicant has made application for a grant with the Village of Palm Springs under the Property Improvement Program for real property located at 3045 Gulfstream Road; and

WHEREAS, the Village of Palm Springs has approved said application.

IT IS HEREBY AGREED AS FOLLOWS:

1) Applicant agrees to rehabilitate the rehabilitate the existing roof with new Polyglass SAV SBS white granulated modified roofing material or other property elements consistent with the application submitted to the Village, which is attached to the Agreement as Exhibit "A".
2) In consideration of same and upon satisfactory completion and submittal of appropriate receipts, as determined by the Village Land Development Director in his/her sole discretion, the Village will reimburse Applicant fifty percent (50%) of the total (eligible) project costs, in an amount not to exceed $5,000.00. **In no event shall the Village's reimbursement costs exceed $5,000.00.**
3) Applicant, its successors or assigns, agrees to complete all work, as described on Exhibit "A" and obtain a Certificate of Occupancy or other applicable document that shows 100% completion of the work within one year from the execution of this Agreement, as set forth above.
4) Applicant, its successors or assigns, agrees to maintain the improvements for a period of five (5) years from completion. Should applicant, its successors or assigns, fail to maintain said improvements for a period of five years, applicant, its successors or assigns, shall be obligated to reimburse the Village the full amount of grant funding contributed by the Village under paragraph 2 of this Agreement.
5) This agreement shall be governed by the Laws of the State of Florida and venue shall be in Palm Beach County.

IN WITNESS WHEREOF, the parties have executed this agreement on the date first stated above.

APPLICANT

BY: Maureen Steere

Print Name: MAUREEN STEERE

VILLAGE OF PALM SPRINGS

BY: _____

Richard J. Reade, Village Manager

STATE OF FLORIDA

COUNTY OF Palm Beach

The foregoing instrument was acknowledged before me this 14 day of May, 2021 by Maureen Steere (name of person acknowledging), who is personally known to me or who has produced FL DL (type of identification) as identification.

Laura M Buzzetta

Signature of Notary Public - State of Florida

(SEAL)

LAURA M BUZZETTA
Notary Public - State of Florida
Commission # GG 974325
My Comm. Expires Mar 30, 2024
Bonded through National Notary Assn.



BEFORE



AFTER

Village of Palm Springs

PROPERTY IMPROVEMENT GRANT AGREEMENT

THIS AGREEMENT is entered into this 7th day of July 2021, by and between the VILLAGE OF PALM SPRINGS and Norma Saenz (Applicant).

WHEREAS, the Applicant has made application for a grant with the Village of Palm Springs under the Property Improvement Program for real property located at 1853 Bell Lane; and

WHEREAS, the Village of Palm Springs has approved said application.

IT IS HEREBY AGREED AS FOLLOWS:

1) Applicant agrees to rehabilitate the rehabilitate the existing shingled roof with new roofing material or other property elements consistent with the application submitted to the Village, which is attached to the Agreement as Exhibit "A".
2) In consideration of same and upon satisfactory completion and submittal of appropriate receipts, as determined by the Village Land Development Director in his/her sole discretion, the Village will reimburse Applicant fifty percent (50%) of the total (eligible) project costs, in an amount not to exceed $5,000.00. **In no event shall the Village's reimbursement costs exceed $5,000.00.**
3) Applicant, its successors or assigns, agrees to complete all work, as described on Exhibit "A" and obtain a Certificate of Occupancy or other applicable document that shows 100% completion of the work within one year from the execution of this Agreement, as set forth above.
4) Applicant, its successors or assigns, agrees to maintain the improvements for a period of five (5) years from completion. Should applicant, its successors or assigns, fail to maintain said improvements for a period of five years, applicant, its successors or assigns, shall be obligated to reimburse the Village the full amount of grant funding contributed by the Village under paragraph 2 of this Agreement.
5) This agreement shall be governed by the Laws of the State of Florida and venue shall be in Palm Beach County.

IN WITNESS WHEREOF, the parties have executed this agreement on the date first stated above.

APPLICANT

BY: _____

Print Name: Norma Saenz

VILLAGE OF PALM SPRINGS

BY: _____

Kim Glas-Castro, Assistant Village Manager

STATE OF FLORIDA

COUNTY OF Palm Beach

The foregoing instrument was acknowledged before me this 8 day of July, 2021, by Norma Saenz (name of person acknowledging), who is personally known to me or who has produced FLDL (type of identification) as identification.

(SEAL)

LAURA M BUZZETTA
Notary Public - State of Florida
Commission # GG 974325
My Comm. Expires Mar 30, 2024
Bonded through National Notary Assn.

_____

Signature of Notary Public – State of Florida



BEFORE



AFTER

Village of Palm Springs

PROPERTY IMPROVEMENT GRANT AGREEMENT

THIS AGREEMENT is entered into this 7th day of July 2021, by and between the VILLAGE OF PALM SPRINGS and Carlos O Pineiro (Applicant).

WHEREAS, the Applicant has made application for a grant with the Village of Palm Springs under the Property Improvement Program for real property located at 3697 Corrigan Court; and

WHEREAS, the Village of Palm Springs has approved said application.

IT IS HEREBY AGREED AS FOLLOWS:

1) Applicant agrees to rehabilitate the rehabilitate the existing concrete driveway with new paver driveway or other property elements consistent with the application submitted to the Village, which is attached to the Agreement as Exhibit "A".
2) In consideration of same and upon satisfactory completion and submittal of appropriate receipts, as determined by the Village Land Development Director in his/her sole discretion, the Village will reimburse Applicant fifty percent (50%) of the total (eligible) project costs, in an amount not to exceed $3,940.80. **In no event shall the Village's reimbursement costs exceed $5,000.00.**
3) Applicant, its successors or assigns, agrees to complete all work, as described on Exhibit "A" and obtain a Certificate of Occupancy or other applicable document that shows 100% completion of the work within one year from the execution of this Agreement, as set forth above.
4) Applicant, its successors or assigns, agrees to maintain the improvements for a period of five (5) years from completion. Should applicant, its successors or assigns, fail to maintain said improvements for a period of five years, applicant, its successors or assigns, shall be obligated to reimburse the Village the full amount of grant funding contributed by the Village under paragraph 2 of this Agreement.
5) This agreement shall be governed by the Laws of the State of Florida and venue shall be in Palm Beach County.

IN WITNESS WHEREOF, the parties have executed this agreement on the date first stated above.

APPLICANT

BY: _____

Print Name: Carlos O Pineiro

VILLAGE OF PALM SPRINGS

BY: _____

Kim Glas-Castro, Assistant Village Manager

STATE OF FLORIDA

COUNTY OF Palm Beach

The foregoing instrument was acknowledged before me this 13 day of July, 2021, by Carlos O Pineiro (name of person acknowledging), who is personally known to me or who has produced FL DL (type of identification) as identification.

LAURA M BUZZETTA
Notary Public - State of Florida
Commission # GG 974325
My Comm. Expires Mar 30, 2024
Bonded through National Notary Assn.

(SEAL)

_____

Signature of Notary Public – State of Florida



BEFORE



AFTER

Village of Palm Springs

PROPERTY IMPROVEMENT GRANT AGREEMENT

THIS AGREEMENT is entered into this 7th day of May 2021, by and between the VILLAGE OF PALM SPRINGS and Miriam Aguilar (Applicant).

WHEREAS, the Applicant has made application for a grant with the Village of Palm Springs under the Property Improvement Program for real property located at 1022 Springdale Court; and

WHEREAS, the Village of Palm Springs has approved said application.

IT IS HEREBY AGREED AS FOLLOWS:

1) Applicant agrees to rehabilitate the existing roof with new modified roofing system or other property elements consistent with the application submitted to the Village, which is attached to the Agreement as Exhibit "A".
2) In consideration of same and upon satisfactory completion and submittal of appropriate receipts, as determined by the Village Land Development Director in his/her sole discretion, the Village will reimburse Applicant fifty percent (50%) of the total (eligible) project costs, in an amount not to exceed $5,000.00. **In no event shall the Village's reimbursement costs exceed $5,000.00.**
3) Applicant, its successors or assigns, agrees to complete all work, as described on Exhibit "A" and obtain a Certificate of Occupancy or other applicable document that shows 100% completion of the work within one year from the execution of this Agreement, as set forth above.
4) Applicant, its successors or assigns, agrees to maintain the improvements for a period of five (5) years from completion. Should applicant, its successors or assigns, fail to maintain said improvements for a period of five years, applicant, its successors or assigns, shall be obligated to reimburse the Village the full amount of grant funding contributed by the Village under paragraph 2 of this Agreement.
5) This agreement shall be governed by the Laws of the State of Florida and venue shall be in Palm Beach County.

IN WITNESS WHEREOF, the parties have executed this agreement on the date first stated above.

APPLICANT

BY: _____

Print Name: MIRIAM

VILLAGE OF PALM SPRINGS

BY: _____

Richard J. Reade, Village Manager

STATE OF FLORIDA

COUNTY OF Palm Beach

The foregoing instrument was acknowledged before me this 14 day of May, 2021 by Miriam Aguilar (name of person acknowledging), who is personally known to me or who has produced FL DL (type of identification) as identification.

(SEAL)

LAURA M BUZZETTA
Notary Public - State of Florida
Commission # GG 974325
My Comm. Expires Mar 30, 2024
Bonded through National Notary Assn.

_____

Signature of Notary Public – State of Florida



BEFORE



AFTER

Village of Palm Springs

PROPERTY IMPROVEMENT GRANT AGREEMENT

THIS AGREEMENT is entered into this 7th day of May 2021, by and between the VILLAGE OF PALM SPRINGS and Darlene Horta (Applicant).

WHEREAS, the Applicant has made application for a grant with the Village of Palm Springs under the Property Improvement Program for real property located at 201 Lake Arbor Drive; and

WHEREAS, the Village of Palm Springs has approved said application.

IT IS HEREBY AGREED AS FOLLOWS:

1) Applicant agrees to rehabilitate the existing mansard roof with new modified cedar shake roofing system or other property elements consistent with the application submitted to the Village, which is attached to the Agreement as Exhibit "A".
2) In consideration of same and upon satisfactory completion and submittal of appropriate receipts, as determined by the Village Land Development Director in his/her sole discretion, the Village will reimburse Applicant fifty percent (50%) of the total (eligible) project costs, in an amount not to exceed $5,000.00. **In no event shall the Village's reimbursement costs exceed $5,000.00.**
3) Applicant, its successors or assigns, agrees to complete all work, as described on Exhibit "A" and obtain a Certificate of Occupancy or other applicable document that shows 100% completion of the work within one year from the execution of this Agreement, as set forth above.
4) Applicant, its successors or assigns, agrees to maintain the improvements for a period of five (5) years from completion. Should applicant, its successors or assigns, fail to maintain said improvements for a period of five years, applicant, its successors or assigns, shall be obligated to reimburse the Village the full amount of grant funding contributed by the Village under paragraph 2 of this Agreement.
5) This agreement shall be governed by the Laws of the State of Florida and venue shall be in Palm Beach County.

IN WITNESS WHEREOF, the parties have executed this agreement on the date first stated above.

APPLICANT

BY: Darlene Horta

Print Name: Darlene Horta

VILLAGE OF PALM SPRINGS

BY: _____

Richard J. Reade, Village Manager

STATE OF FLORIDA

COUNTY OF Palm Beach

The foregoing instrument was acknowledged before me this 14 day of May, 2021 by Darlene Horta (name of person acknowledging), who is personally known to me or who has produced FL DL (type of identification) as identification.

Signature of Notary Public – State of Florida

(SEAL)

LAURA M BUZZETTA
Notary Public - State of Florida
Commission # GG 974325
My Comm. Expires Mar 30, 2024
Bonded through National Notary Assn.



BEFORE



AFTER

Village of Palm Springs

PROPERTY IMPROVEMENT GRANT AGREEMENT

THIS AGREEMENT is entered into this 7th day of July 2021, by and between the VILLAGE OF PALM SPRINGS and Manrique H Rojas Ramirez (Applicant).

WHEREAS, the Applicant has made application for a grant with the Village of Palm Springs under the Property Improvement Program for real property located at 331 Springdale Circle; and

WHEREAS, the Village of Palm Springs has approved said application.

IT IS HEREBY AGREED AS FOLLOWS:

1) Applicant agrees to rehabilitate the rehabilitate the existing mansard and flat roof with new roofing material or other property elements consistent with the application submitted to the Village, which is attached to the Agreement as Exhibit "A".
2) In consideration of same and upon satisfactory completion and submittal of appropriate receipts, as determined by the Village Land Development Director in his/her sole discretion, the Village will reimburse Applicant fifty percent (50%) of the total (eligible) project costs, in an amount not to exceed $5,000.00. **In no event shall the Village's reimbursement costs exceed $5,000.00.**
3) Applicant, its successors or assigns, agrees to complete all work, as described on Exhibit "A" and obtain a Certificate of Occupancy or other applicable document that shows 100% completion of the work within one year from the execution of this Agreement, as set forth above.
4) Applicant, its successors or assigns, agrees to maintain the improvements for a period of five (5) years from completion. Should applicant, its successors or assigns, fail to maintain said improvements for a period of five years, applicant, its successors or assigns, shall be obligated to reimburse the Village the full amount of grant funding contributed by the Village under paragraph 2 of this Agreement.
5) This agreement shall be governed by the Laws of the State of Florida and venue shall be in Palm Beach County.

IN WITNESS WHEREOF, the parties have executed this agreement on the date first stated above.

APPLICANT

BY: _____

Print Name: Manrique H Rojas Ramirez

VILLAGE OF PALM SPRINGS

BY: _____

Kim Glas-Castro, Assistant Village Manager

STATE OF FLORIDA

COUNTY OF Palm Beach

The foregoing instrument was acknowledged before me this 12 day of July, 2021, by Manrique H. Rojas R. (name of person acknowledging), who is personally known to me or who has produced FL DL (type of identification) as identification.

(SEAL)

LAURA M BUZZETTA
Notary Public - State of Florida
Commission # GG 974325
My Comm. Expires Mar 30, 2024
Bonded through National Notary Assn.

Signature of Notary Public – State of Florida



BEFORE



AFTER

Village of Palm Springs

Executive Brief

AGENDA DATE: October 14, 2021

DEPARTMENT: Public Service

ITEM 6.3: Approve Sodium Hypochlorite Contract - Piggyback - Public Service Department (FY 2022 Budget Funded - Water & Sewer Enterprise Fund) – Allied Universal Corporation

SUMMARY:

The Public Service Department, throughout the year, needs to purchase Sodium Hypochlorite, which is a critical chemical component in the water treatment process and works in conjunction with ammonia to create chloramine that is used as a disinfectant. The Village utilizes chloramine as a long-lasting disinfectant that aids in ensuring that we maintain compliance with Health Department standards and ensures that we provide a high quality of water to our customers. The Village has utilized Allied Universal Corporation to assist with these types of projects/services and the previously piggybacked contract (from Charlotte County) expired on September 30, 2021.

To ensure the lowest possible price, staff is recommending that the Village piggyback Charlotte County's current contract to be awarded to Allied Universal Corporation. This selection by Charlotte County was completed through a competitive selection process - Water and Wastewater Chemicals (ITB# 2021000514 - July 15, 2021).

If approved, the Village would accept Allied Universal Corporation's pricing by piggybacking Charlotte County's contract including all terms, conditions, and pricing therein. The term of the proposed agreement would expire on September 30, 2022, and maybe renewed for two (2) additional one (1) year periods. The Village will not expend more than the amount in the approved budget as it may be adopted/amended each year for these goods and services over the term of the contract.

The Village's Purchasing Code, Section 58-9, Accessing Contracts of Other Government Agencies, provides that the Village may award a contract by piggybacking or accessing the goods and/or services from any State of Florida contract; contracts of any Florida political

subdivision; or from any other governmental entity (other than the Federal government); provided that the same or substantially similar goods and/or services were competitively solicited.

The proposed Agreement was prepared by the Village Attorney and reviewed by the Assistant Village Manager, Interim Public Service Administrator, and the Finance Director.

The Village has worked with the proposed vendor and has received excellent service and a quality product.

FISCAL IMPACT:

Funding to support purchases under this proposed agreement is available within the FY 2022 - Water & Sewer Enterprise Fund.

Allocated/Estimated Services Funding:	***Amount***
FY 2022 Approved Budget - Water & Sewer Enterprise Fund (Chemicals)	$700,000.00

Expected Services Cost:	***Amount***
FY 2022 Expected Purchase Cost - Water & Sewer Enterprise Fund	$125,000.00

The Village will not expend more than the amount within the approved budget as it may be adopted/amended each year for these goods and services over the term of this contract. The term of the proposed agreement would expire on September 30, 2022, and maybe renewed for two (2) additional one (1) year periods.

ATTACHMENTS:

Agreement will be Provided Prior to the Meeting
Approval to Piggyback - Allied Universal Corporation
Charlotte County - Executed Agreement - Allied Universal Corporation
Charlotte County Bid Tabulation - Allied Universal Corporation
Charlotte County Invitation to Bid

NEED TO ADD ATTACHMENT – PLACE HOLDER ON AGENDA BACKUP

ALLIED UNIVERSAL CORPORATION
Established 1954

3901 NW 115 Avenue
Miami, Florida 33178
305-888-2623 office
305-463-8369 fax

September 21, 2021

Village of Palm Springs
Paul H. Ward
Utility Superintendent
360 Davis Road
Palm Springs, FL 33461
Ph.: 561.434.5877
Email: Pward@vpsfl.org

Re: Bid# 2021000514
Sodium Hypochlorite

Dear Paul:

Please use this letter as confirmation that Allied Universal Corporation will offer the Village of Palm Springs piggyback agreement on Charlotte County, Bid# 2021000514 for Sodium Hypochlorite, with pricing listed below.

Sodium Hypochlorite/Bulk $0.77 (Full Truckloads)

The term of this "piggyback" agreement is from October 1, 2021 to September 30, 2022 during which the Village of Palm Springs agrees to purchase from Allied Universal Corporation Sodium Hypochlorite for:

Estimated volume 200,000 gallons

If you agree with this offer along with the terms and conditions as stated on the original bid, and wish to be included in this Bid contract please signify by signing this letter and returning by September 30, 2021 by fax to (305) 463-8369 or email to bids@allieduniversal.com

We look forward to hearing from you.

Respectfully,

ALLIED UNIVERSAL CORPORATION

J. Palmer, AUC President – CEO

VILLAGE OF PALM SPRINGS

_____

Title: _____
Date: _____

cc: Carlos C. Fernandez, VP of Sales
R. Fernandez, Sales Representative
S. Moros, Bid Coordinator

Charlotte County Purchasing Department
18500 Murdock Circle, Suite 344
Port Charlotte, Florida 33948-1094

Phone 941.743.1378

September 15, 2021

Cristhianne Munguia, Bid Coordinator
Allied Universal Corporation
3901 NW 115 Avenue
Miami, Florida 33178

Re: Bid No. 2021000514 – Water and Wastewater Chemicals- Annual

Dear Ms. Munguia:

Please be advised that on September 14, 2021, the Board of County Commissioners approved award of Bid No. 2021000514, Water and Wastewater Chemicals- Annual, to your firm. The acceptance of your bid, properly executed by an authorized representative of the company, constitutes a binding contract.

The term of this contract will be from October 1, 2021 up to and including September 30, 2022, with option to renew for two additional one-year terms, by mutual consent, at the same prices, terms, and conditions. A Purchase Order will be issued, and invoices will be paid in accordance with the Local Government Prompt Payment Act (F.S. 218.74).

Prior to commencement, you are to submit the Certificate of Insurance as required by the Request for Bids. Charlotte County, a political subdivision of the State of Florida, its officers, agents, employees, and volunteers are to be included as an insured on both the Comprehensive General Liability and Business Auto Liability Policies, and must be listed as such on the Insurance Certificate. Charlotte County to be named insured as "Charlotte County".

Your signature below represents your concurrence with, and acceptance of the terms and conditions set forth in this letter and your submittal dated July 20, 2021. Please sign and return by email to Cheri.Alexander@CharlotteCountyFl.gov

If you have any questions or concerns, please do not hesitate to contact Cheri Alexander, C.P.M., CPPB, Senior Contract Specialist at 941.743.1548.

Sincerely,

Kimberly A. Corbett
Kimberly A. Corbett, C.P.M., CPPB
Senior Division Manager - Purchasing

/ca

ACCEPTED:

Signature

9/16/2021
Dated

cc: File

CHARLOTTE COUNTY BOARD OF COMMISSIONERS
OFFICIAL BID TABULATION
WATER AND WASTEWATER CHEMICALS - ANNUAL
BID NO. 2021000514

DUE DATE: JULY 28, 2021 **DEPT: UTILITIES**

Company Names ►			Allied Universal * Corporation		Sterling Water * Technologies LLC		Shannon Chemical Corporation		Evoqua Water Technologies Inc.	
Location ►			Miami, FL		Columbia, TN		Exton, PA		Sarasota, FL	
Description ▼	Unit	Qty	Price	Extension	Price	Extension	Price	Extension	Price	Extension
Calcium Hypochlorite-100 # drums	ea	800	**134.000**	$ 107,200.00	0.00	$ -	0.00	$ -	0.000	$ -
How many drums per pallet			**6**		0		0		0.000	
Per pallet price	ea	1	**804.000**	$ 804.00	0.00		0.00		0.000	
Sulfuric Acid	gal	4500	no bid		0.000	$ -	0.00	$ -	0.000	**$ -**
Phosphoric Acid-55-gal drums	ea	18	0.00	$ -	**504.90**	$ 9,088.20	586.20	$ 10,551.60	0.00	$ -
Sodium Hydroxide- 55-gal drum	ea	6	0.00	$ -	0.000	$ -	0.00	$ -	0.00	$ -
Sodium Hypochlorite Solution	gal	580000	**0.77**	$ 445,440.00	0.000	$ -	0.000	$ -	0.00	$ -
Hydrogen Peroxide	gal	14000	0.00	$ -	0.000	$ -	0.000	$ -	4.73	**$ 66,220.00**
Antiscalant-55-gal drum	drm	20	0.00	$ -	0.000	$ -	0.000	$ -	0.00	**$ -**
Corrosion Inhibitor (55-gal drum)	drm	10	0.00	$ -	0.000	$ -	**617.170**	$ 6,171.70	0.00	$ -
Corrosion Inhibitor-alternate unit		8	0.00		0.000	$ -	0.000	$ -	0.000	**$ -**
Polymer-250-gal totes	ea	24	0.000	$ -	0.000	$ -	0.000	$ -	0.000	**$ -**
Citric Acid - 55-gal drum	drm	8	0.000	$ -	0.000	$ -	0.000	$ -	0.000	$ -
Powdered Activated Carbon 40/50 lb bags	lb	10000	0.000	$ -	0.000	$ -	0.000	$ -	0.000	**$ -**

Company Names ►			Source Technologies LLC		Donau Carbon US LLC		Univar Solutions USA Inc.		Polydyne Inc.	
Location ►			Lexington, KY		Dunnellon, FL		Tampa, FL		Riceboro, GA	
Description ▼	Unit	Qty	Price	Extension	Price	Extension	Price	Extension	Price	Extension
Calcium Hypochlorite-100 # drums	ea	800	0.000	**$ -**	0.000		171.000	$ 136,800.00	0.000	$ -
How many drums per pallet			0.000		0.000		0.000			
Per pallet price	ea	1	0.000		0.000		0.000			
Sulfuric Acid	gal	4500	**2.080**	**$ 9,360.00**	0.000	$ -	0		0.000	$ -
Phosphoric Acid-55-gal drums	ea	18	0.000	$ -	0.000	$ -	583.52	$ 10,503.30	0.00	$ -
Sodium Hydroxide-1000gal bulk	bulk	6	0.000	**$ -**	0.000	$ -	**223.25**	$1,339.50	0.000	$ -
Sodium Hypochlorite Solution	gal	580000	0.000	$ -	0.000	$ -	0.00	$ -	0.000	**$ -**
Hydrogen Peroxide	gal	14000	**4.500**	**$ 63,000.00**	0.00	$ -	0.00	$ -	0.000	**$ -**
Antiscalant-55-gal drum	drm	20	0.000	**$ -**	0.000	$ -	0.00	$ -	0.000	**$ -**
Corrosion Inhibitor (55-gal drum)	drm	10	0.000	$ -	0.000	**$ -**	0.00	$ -	0.000	**$ -**
Corrosion Inhibitor-alternate unit		8	0.000	**$ -**	0.000	**$ -**	0.00		0.00	$ -
Polymer-250-gal totes	ea	24	0.00	$ -	0.00	$ -	0.00	$ -	**3,105.000**	$ 74,520.00
Citric Acid - 55-gal drum	drm	8	0.000	**$ -**	0.000	**$ -**	0.00	$ -	0.000	$ -
Powdered Activated Carbon 40/50 lb bags	lb	10,000	0.00	**$ -**	$ 1.02	**$ 10,210.00**	0.000	-	$ -	$ -

Company Names ▶			Odyssey Manufacturing Company		Hawkins Inc. *					
Location ▶			Tampa, FL		Apopka, FL					
Description ▼	Unit	Qty	Price	Extension	Price	Extension	Price	Extension	Price	Extension
Calcium Hypochlorite-100 # drums	ea	800	0.000	$ -	189.00	$ 151,200.00		$ -		$ -
How many drums per pallet			0.000		8					
Per pallet price	ea	1	0.000		1,512.00	**$ 1,512.00**				
Sulfuric Acid	gal	4500	0.000	**$ -**	0.00	$ -		$ -		$ -
Phosphoric Acid-55-gal drums	ea	18	0.000	$ -	750.00	$ 13,500.00		$ -		$ -
Sodium Hydroxide-1000gal bulk	bulk	6	0.000	**$ -**	325.00	**$ 1,950.00**		$ -		$ -
Sodium Hypochlorite Solution	gal	580000	0.850	$ 493,000.00	0.00	**$ -**		$ -		$ -
Hydrogen Peroxide	gal	14000	0.000	**$ -**	0.00	$ -		$ -		$ -
Antiscalant-55-gal drum	drm	20	0.00	$ -	0.000	**$ -**		$ -		$ -
Corrosion Inhibitor (55-gal drum)	drm	10	0.00	$ -	0.000	**$ -**		$ -		$ -
Corrosion Inhibitor-alternate unit		8	0.000	$ -	**4,899.000**	**$ 39,192.00**		$ -		$ -
Polymer-250-gal totes	ea	24	0.000	$ -	0.000	**$ -**		$ -		$ -
Citric Acid - 55-gal drum	drm	8	0.000	$ -	**513.000**	$ 4,104.00		$ -		$ -
Powdered Activated Carbon 40/50 lb bags	lb	10000	0.000	$ -	0.000	**$ -**		$ -		$ -

**** BID AWARD IN PROGRESS****

CHARLOTTE COUNTY BOARD OF COMMISSIONERS
OFFICIAL BID TABULATION
WATER AND WASTEWATER CHEMICALS - ANNUAL
BID NO. 2021000514

DUE DATE: JULY 28, 2021 **DEPT: UTILITIES**

Company Names ►			Allied Universal * Corporation		Sterling Water * Technologies LLC		Shannon Chemical Corporation		Evoqua Water Technologies Inc.	
Location ►			Miami, FL		Columbia, TN		Exton, PA		Sarasota, FL	
Description ▼	Unit	Qty	Price	Extension	Price	Extension	Price	Extension	Price	Extension
Calcium Hypochlorite-100 # drums	ea	800	**134.000**	$ 107,200.00	0.00	$ -	0.00	$ -	0.000	$ -
How many drums per pallet			**6**		0		0		0.000	
Per pallet price	ea	1	**804.000**	$ 804.00	0.00		0.00		0.000	
Sulfuric Acid	gal	4500	no bid		0.000	$ -	0.00	$ -	0.000	**$ -**
Phosphoric Acid-55-gal drums	ea	18	0.00	$ -	**504.90**	$ 9,088.20	586.20	$ 10,551.60	0.00	$ -
Sodium Hydroxide- 55-gal drum	ea	6	0.00	$ -	0.000	$ -	0.00	$ -	0.00	$ -
Sodium Hypochlorite Solution	gal	580000	**0.77**	$ 445,440.00	0.000	$ -	0.000	$ -	0.00	$ -
Hydrogen Peroxide	gal	14000	0.00	$ -	0.000	$ -	0.000	$ -	4.73	**$ 66,220.00**
Antiscalant-55-gal drum	drm	20	0.00	$ -	0.000	$ -	0.000	$ -	0.00	**$ -**
Corrosion Inhibitor (55-gal drum)	drm	10	0.00	$ -	0.000	$ -	**617.170**	$ 6,171.70	0.00	$ -
Corrosion Inhibitor-alternate unit		8	0.00		0.000	$ -	0.000	$ -	0.000	**$ -**
Polymer-250-gal totes	ea	24	0.000	$ -	0.000	$ -	0.000	$ -	0.000	**$ -**
Citric Acid - 55-gal drum	drm	8	0.000	$ -	0.000	$ -	0.000	$ -	0.000	$ -
Powdered Activated Carbon 40/50 lb bags	lb	10000	0.000	$ -	0.000	$ -	0.000	$ -	0.000	**$ -**

Company Names ►			Source Technologies LLC		Donau Carbon US LLC		Univar Solutions USA Inc.		Polydyne Inc.	
Location ►			Lexington, KY		Dunnellon, FL		Tampa, FL		Riceboro, GA	
Description ▼	Unit	Qty	Price	Extension	Price	Extension	Price	Extension	Price	Extension
Calcium Hypochlorite-100 # drums	ea	800	0.000	**$ -**	0.000		171.000	$ 136,800.00	0.000	$ -
How many drums per pallet			0.000		0.000		0.000			
Per pallet price	ea	1	0.000		0.000		0.000			
Sulfuric Acid	gal	4500	**2.080**	**$ 9,360.00**	0.000	$ -	0		0.000	$ -
Phosphoric Acid-55-gal drums	ea	18	0.000	$ -	0.000	$ -	583.52	$ 10,503.30	0.00	$ -
Sodium Hydroxide-1000gal bulk	bulk	6	0.000	**$ -**	0.000	$ -	**223.25**	$1,339.50	0.000	$ -
Sodium Hypochlorite Solution	gal	580000	0.000	$ -	0.000	$ -	0.00	$ -	0.000	**$ -**
Hydrogen Peroxide	gal	14000	**4.500**	**$ 63,000.00**	0.00	$ -	0.00	$ -	0.000	**$ -**
Antiscalant-55-gal drum	drm	20	0.000	**$ -**	0.000	$ -	0.00	$ -	0.000	**$ -**
Corrosion Inhibitor (55-gal drum)	drm	10	0.000	$ -	0.000	**$ -**	0.00	$ -	0.000	**$ -**
Corrosion Inhibitor-alternate unit		8	0.000	**$ -**	0.000	**$ -**	0.00		0.00	$ -
Polymer-250-gal totes	ea	24	0.00	$ -	0.00	$ -	0.00	$ -	**3,105.000**	$ 74,520.00
Citric Acid - 55-gal drum	drm	8	0.000	**$ -**	0.000	**$ -**	0.00	$ -	0.000	$ -
Powdered Activated Carbon 40/50 lb bags	lb	10,000	0.00	**$ -**	$ 1.02	**$ 10,210.00**	0.000	-	$ -	$ -

Witnesses: Julie Couturiaux, Accounting Specialist and Stacey Trowbridge, Contract Specialist

Company Names ►			Odyssey Manufacturing Company		Hawkins Inc. *					
Location ►			Tampa, FL		Apopka, FL					
Description ▼	Unit	Qty	Price	Extension	Price	Extension	Price	Extension	Price	Extension
Calcium Hypochlorite-100 # drums	ea	800	0.000	$ -	189.00	$ 151,200.00		$ -		$ -
How many drums per pallet			0.000		8					
Per pallet price	ea	1	0.000		1,512.00	**$ 1,512.00**				
Sulfuric Acid	gal	4500	0.000	**$ -**	0.00	$ -		$ -		$ -
Phosphoric Acid-55-gal drums	ea	18	0.000	$ -	750.00	$ 13,500.00		$ -		$ -
Sodium Hydroxide-1000gal bulk	bulk	6	0.000	**$ -**	325.00	**$ 1,950.00**		$ -		$ -
Sodium Hypochlorite Solution	gal	580000	0.850	$ 493,000.00	0.00	**$ -**		$ -		$ -
Hydrogen Peroxide	gal	14000	0.000	**$ -**	0.00	$ -		$ -		$ -
Antiscalant-55-gal drum	drm	20	0.00	$ -	0.000	**$ -**		$ -		$ -
Corrosion Inhibitor (55-gal drum)	drm	10	0.00	$ -	0.000	**$ -**		$ -		$ -
Corrosion Inhibitor-alternate unit		8	0.000	$ -	**4,899.000**	**$ 39,192.00**		$ -		$ -
Polymer-250-gal totes	ea	24	0.000	$ -	0.000	**$ -**		$ -		$ -
Citric Acid - 55-gal drum	drm	8	0.000	$ -	**513.000**	$ 4,104.00		$ -		$ -
Powdered Activated Carbon 40/50 lb bags	lb	10000	0.000	$ -	0.000	**$ -**		$ -		$ -

**** BID AWARD IN PROGRESS****

Charlotte County Purchasing Division
18500 Murdock Circle, Suite 344
Port Charlotte, Florida 33948-1094

Phone 941.743.1378
Fax 941.743.1384

NOTICE OF AVAILABILITY OF BID SPECIFICATIONS

REQUEST FOR BIDS
CHARLOTTE COUNTY, FLORIDA

The County of Charlotte will be receiving sealed bids at the Purchasing Division, Suite 344, Charlotte County Administration Center, 18500 Murdock Circle, Port Charlotte, FL 33948-1094, for:

BID NO. 2021000514
WATER AND WASTEWATER CHEMICALS - ANNUAL

This is an annual contract for the purchase of water and wastewater chemicals to be utilized by the Utilities Department.

There will not be a Pre-Bid Conference for this project. Please send all questions to the email address below.

BID OPENING: 2:00 p.m., (EST), JULY 28, 2021
PURCHASING DIVISION CONFERENCE ROOM

Bid Documents may be obtained by accessing the Charlotte County Purchasing Division's website at https://purchasingbids.charlottecountyfl.gov under "Purchasing Bids Online", document number 215142. Any questions can be answered by contacting Cheri Alexander, C.P.M., CPPB, Senior Contract Specialist at 941.743.1548 or email: Cheri.Alexander@CharlotteCountyFl.gov.

Notice of Availability
Posted: July 15, 2021

Charlotte County Purchasing Division
18500 Murdock Circle, Suite 344
Port Charlotte, Florida 33948-1094

Phone 941.743.1378
Fax 941.743.1384

STATEMENT OF NO BID

If you **do not** intend to bid on this commodity/service, please return this form to the above address immediately. If this statement is not completed and returned, your company may be deleted from the Charlotte County Vendors' list for this commodity/service.

We the undersigned, have declined to bid on requested commodity/service **Bid #2021000514, WATER AND WASTEWATER CHEMICALS - ANNUAL,** for the following reason(s):

_____ Specifications too "tight", i.e. geared toward one brand or manufacturer only (explain below).

_____ Insufficient time to respond to the Invitation to Bid.

_____ We do not offer this product or service.

_____ Our schedule would not permit us to perform.

_____ Unable to meet bond/insurance requirements.

_____ Unable to meet specifications.

_____ Specifications are unclear (explain below).

_____ Remove us from your vendors' list for this commodity/service.

_____ Other (specify below).

Remarks:_____
_____
_____
_____

Company Name: _____

Contact Person (typed or printed): _____

Contact Person Signature: _____

Phone: _____ Fax: _____

E-Mail Address: _____

Note: Statement of No Bid may be emailed to Cheri.Alexander@CharlotteCountyFl.gov or faxed in to the Purchasing Division at 941.743.1384.

TABLE OF CONTENTS
WATER AND WASTEWATER CHEMICALS - ANNUAL
BID NO. 2021000514

Notice of Availability	**1**
"No Bid" Response Page	**2**
Table of Contents	**3**
INSTRUCTIONS TO BIDDERS	**4-8**
TECHNICAL SPECIFICATIONS & CONDITIONS	**9-21**
INSURANCE REQUIREMENTS	**22-23**
SAFETY AND HEALTH REQUIREMENTS	**24-25**
BID FORM	**26-31**

INSTRUCTIONS TO BIDDERS
WATER AND WASTEWATER CHEMICALS - ANNUAL
BID NO. 2021000514

IB-01 QUALIFICATIONS OF BIDDERS: It is the intent of the County to award this contract to the lowest responsible bidder, qualified by experience and solvency, with proven reliability and the ability to supply all items within a reasonable time frame acceptable to Charlotte County. Bidder may be required to supply information in writing at the request and discretion of the County prior to award of bids, in order to verify above requirements.

IB-02 GENDER DESIGNATION: The County and the Contractor are treated throughout these Documents as if each were of the singular number and masculine gender.

IB-03 EXAMINATION OF DOCUMENTS/SITE: Prior to the submission of a bid form, bidders shall carefully examine the bid package, including the Request for Bids, Instructions to Bidders, Technical Specifications & Conditions, Special Provisions, General Provisions, Insurance Requirements, Bid Form and all other related bid documents, including all modifications thereof, incorporated in the bid package, plus fully informing themselves as to all existing conditions and limitations that affect the work to be performed under this contract.

Discrepancies, omissions, or questions about the intent of the documents should be submitted to the Purchasing Division in written form as a request for interpretation no later than five (5) calendar days prior to bid opening (or shall be verbally addressed at the pre-bid conference, if applicable).

Interpretations of any of the bid documents or the project will be in the form of a written addendum to the documents which will be posted on the purchasing website. Receipt by each bidder of any addenda must be acknowledged on the bid form, indicating the addendum number and date of issue, therein becoming a part of the contract. No oral explanations shall be binding. The County will attempt to notify all prospective bidders of addenda issued to the bidding documents; however, it shall be the responsibility of the bidder, prior to submitting their bid, to determine if addenda were issued, acknowledging and incorporating it into their bid.

Examination of Site: Prior to submitting a bid form, each bidder shall examine the site and all conditions thereon. All bid forms shall be presumed to include all such existing conditions as may affect any work to be done on this project. Failure to familiarize himself with such conditions will in no way relieve the successful bidder from the necessity of furnishing any materials or performing any work that may be required to complete the work in accordance with the drawings and Specifications.

IB-04 PREPARATION AND SUBMISSION OF BID FORM REQUIREMENTS:

A. Bids shall be submitted on the bid form supplied by the County, or duplication thereof and attached thereto, or as otherwise specified. Bidders shall indicate the number of calendar days required for delivery and acknowledge receipt of any addenda received during the bid period.

Each bid must give the full business address of the bidder and state whether bidder is an individual, corporation or partnership. Bid Forms by a corporation must be signed in the name of the corporation, followed by the original signature and designation of the officer or other person authorized to bind the corporation.

Bid Forms by partnerships shall show the names of all partners. The partnership title shall be followed by the original signature of each partner.

Any erasures or other corrections in the bid form must be explained or noted over the signature of the bidder. Bid Forms containing any conditions, omissions, unexplained erasures, alterations, or irregularities of any kind may be rejected by the County.

Bid documents and forms shall be submitted sealed, and the envelope/package clearly marked with the Bid Number and the Name and Business Address of the individual/firm submitting the bid. Bids postmarked prior to said time and date but not received shall **not** be considered and will be returned to bidder unopened.

B. Bid Guarantee - The bid form shall be signed where indicated guaranteeing that the bidder will not withdraw his bid for a period of 60 days after the scheduled time of opening of bids.

IB-05 WITHDRAWAL OF BIDS: Bids may be withdrawn by request of the bidder prior to the time fixed for opening. Error or negligence on the part of the bidder in preparing the bid confers no right for the withdrawal of the bid after it has been opened.

IB-06 BID TABULATIONS: In accordance with Florida Statues, Section 119(1)(b)2: Sealed bids, proposals, or replies received by an agency pursuant to a competitive solicitation are exempt from s. 119.07(1) and s. 24(a), Art. I of the State Constitution until such time as the agency provides notice of an intended decision or until 30 days after opening the bids, proposals, or final replies, whichever is earlier. Those bidders interested in receiving a copy of the results of this bid once they are released may do so by visiting our website at https://purchasingbids.charlottecountyfl.gov under "Purchasing Bids Online", Document Number 215144. No information regarding the submittal will be divulged over the telephone.

IB-07 RESERVED RIGHTS: The County reserves the right to accept or reject any and/or all bids, to waive irregularities and technicalities, and to request resubmission of bids. Also, the County reserves the right to accept all or any part of the bid and to increase or decrease quantities to meet additional or reduced requirements of the County. Any sole response received the first submission date may be rejected by the County depending on available competition and timely needs of the County.

IB-08 FORM OF CONTRACT: The submitted Bid Form signed by the Bidder, together with the complete bid package furnished by the County, shall constitute a binding contract. The Bidder shall be required to perform according to the Bidder's submitted Bid Form and the County's bid package when a purchase order, signed by the Senior Division Manager - Purchasing or his/her designee, is transmitted to the Bidder. The transmitted purchase order shall serve as both a Notice of Acceptance and Notice to Proceed to the Bidder. Failure to comply with the conditions set forth in the purchase order shall be deemed a breach of contract subjecting the Bidder to forfeiture of the bid bond or other posted security and other possible penalties.

IB-09 NOTICE TO PROCEED/DELIVERY: After award of bid, a purchase order shall be issued bearing the terms of delivery. Upon receipt of purchase order, successful bidder shall acknowledge receipt of same by either fax or mail, and shall commence prosecution of order so that the agreed upon delivery date will be satisfied.

IB-10 PAYMENT: Request for payment must be submitted to the Charlotte County Purchasing Division on a form approved by the County. Price shall be net and all invoices payable according to the Local Government Prompt Payment Act (F.S.218.74).

IB-11 PERFORMANCE EVALUATION: At the end of the contract, the receiving department will evaluate the successful bidder's performance. This evaluation will become public record.

IB-12 ARITHMETIC DISCREPANCIES:

A. For the purpose of initial evaluation of bids, the following will be utilized in resolving arithmetic discrepancies found on the face of the bid forms as submitted by bidders:

1. Obviously misplaced decimal points will be corrected.

2. In case of discrepancy between unit price and extended price, the unit price will govern. Apparent errors in extension will be corrected.

3. Apparent errors in addition of lump sum and extended prices will be corrected.

B. For the purpose of bid evaluation, the County will proceed on the assumption that the bidder intends his bid be evaluated on the basis of the unit prices, extensions, and totals arrived at by resolution of arithmetic discrepancies as provided above, and the bid will be so reflected on the tabulation of bids.

IB-13 DESCRIPTIVE INFORMATION: Unless otherwise specifically provided in the specifications, all equipment, materials and articles incorporated in the work covered by the contract are to be new and of the most suitable grade for the purpose intended. Unless otherwise specifically provided in the specifications, reference to any equipment, material, article or patented process, by trade name, make or catalogue number, shall be regarded as establishing a standard of quality and shall not be construed as limiting competition. If the bidder wishes to make a substitution to the specifications, the bidder shall furnish to the County the name of the manufacturer, the model number, and other identifying data and information necessary to aid the County in evaluating the substitution, and such substitution shall be subject to County approval.

Substitutions shall be approved only if determined by the County to be equivalent to the specifications. A bid containing a substitution is subject to disqualification if the substitution is not approved by the County.

Specified items bid shall be identified by brand name, number, manufacturer and model, and shall include full descriptive information, brochures, or appropriate attachments.

IB-14 QUALITY GUARANTEE: If any product delivered does not meet applicable specifications, or if the product will not produce the effect that the successful bidder represents to the County, the successful bidder shall pick up the product from the County at no expense to the County. Also, the successful bidder shall refund to Charlotte County any money which has been paid for same. The successful bidder will be responsible for reasonable County attorney fees expended to obtain compliance with this provision in the event the successful bidder defaults under this provision.

IB-15 REGULATIONS:

A. It shall be the responsibility of each supplier to assure compliance with any OSHA, EPA, and/or other Federal or State of Florida rules, regulations or other requirements, as each may apply.

B. Bidder must be authorized to transact business and be properly licensed in the State of Florida. All applicable laws and regulations of the State of Florida and ordinances and regulations of Charlotte County will apply to any resulting contract.

IB-16 CODE OF ETHICS: With respect to this bid, if any bidder violates or is a party to a violation of the State of Florida/Florida Statutes, Chapter 112, Part III, Code of Ethics for Public Officers and Employees, such bidder may be disqualified from furnishing the goods or services for which the bid is submitted and shall be further disqualified from submitting any future bids for goods or services for Charlotte County.

IB-17 COLLUSION: By offering a submission to this invitation for bid, the bidder certifies the bidder has not divulged to, discussed or compared his bid with other bidders and has not colluded with any other bidder or parties to this bid whatsoever. Also, bidder certifies, and in the case of a joint bid each party thereto certifies as to his own organization, that in connection with this bid:

- any prices and/or cost data submitted have been arrived at independently, without consultation, communication, or agreement, for the purpose of restricting competition, as to any matter relating to such prices and or cost data, with any other bidder or with any competitor;
- any prices and/or cost data quoted for this bid have not been knowingly disclosed by the bidder and will not knowingly be disclosed by the bidder prior to the scheduled opening directly or indirectly to any other bidder or to any competitor;
- no attempt has been made or will be made by the bidder to induce any other person or firm to submit or not to submit a bid for the purpose of restricting competition;
- the only person or persons interested in this bid, principal or principals is/are named therein and that no person other than therein mentioned has any interest in this bid or in the contract to be entered into; and
- no person or agency has been employed or retained to solicit or secure the contract upon an agreement or understanding for a commission, percentage, brokerage, or contingent fee excepting bona fide employees or established commercial agencies maintained by the Purchaser for the purpose of doing business.

IB-18 SOURCE OF SUPPLY AND SUBCONTRACTORS: Bidders are to complete the attached Source of Supply and Subcontractors form. This form must be completed and included with the bid form. If bidder does not have a source of supply or subcontractor, insert "to be determined". When source or subcontractor is determined, selection will be subject to County approval.

IB-19 DRUG FREE WORKPLACE FORM: It is strongly suggested that the attached Drug Free Workplace Form be signed and returned to this office with the bid form. In the event of a tie bid, the presence of a valid and accurate form may be used as a basis for awarding the contract.

IB-20 PUBLIC ENTITY CRIMES: In accordance with Florida Statutes Sec. 287.133(2)(a), "A person or affiliate who has been placed on the convicted vendor list following a conviction for a public entity crime may not submit a bid on a contract to provide any goods/services to a public entity, may not submit a bid on a contract with a public entity for construction or repair of a public building or public work, may not submit bids on leases of real property to a public entity, may not be awarded or perform work as a contractor, supplier, subcontractor, or consultant under a contract with any public entity, and may not transact business with any public entity in excess of the threshold amount provided in Section 287.017, for Category Two, for a period of 36 months from the date of being placed on the convicted vendor list".

IB-21 CANCELLATION/TERMINATION OF CONTRACT: The County shall have the right to cancel, terminate or suspend the contract, in whole or in part, by providing the Contractor 30 days written notice by certified mail.

It is expressly understood by the County and the Contractor that funding for any successive fiscal years of the contract is contingent upon appropriation of monies by the Charlotte County Board of County Commissioners. In the event that funds are not available or are not appropriated, the County reserves the right to terminate the contract. The County will be responsible for payment of any outstanding invoices and work completed by the Contractor prior to such termination.

Pursuant to Section 287.135(3)(a)4 of the Florida Statutes, Charlotte County may, at its sole option, terminate any Agreement valued at $1,000,000 or more if the Contractor is found to have submitted a false certification, has been placed on the *Scrutinzed Companies with Activities in Sudan List*, or the *Scrutinized Companies with Activities in the Iran Petroleum Energy Sector List*, or has been engaged in business operations in Cuba or Syria or a boycott of Israel.

Pursuant to Section 287.135(3)(b) of the Florida Statutes, Charlotte County may, at its sole option, terminate any Agreement in any amount if the Contractor is found to have been placed on the *Scrutinized Companies that Boycott Israel List*, or is engaged in a boycott of Israel.

IB-22 INDEMNIFY: After notification of award, the successful bidder shall indemnify and hold harmless the County, its officers, employees, agents and volunteers, from action, including any court costs or attorneys' fees arising from, or as a result of, any act or omission by bidder, its officers, employees, licensees, invitees, contractors, agents or assignees, in the performance of the services and/or the delivery of goods for which the resulting agreement was entered into. Bidder agrees that the first ten dollars ($10.00) of compensation received under the resulting agreement represents specific consideration for the indemnification obligation. Nothing in the award, resulting agreement, contract or Purchase Order shall be deemed to affect the rights, privileges and immunities of the County as set forth in Florida Statute 768.28.

IB-23 TAXES: The Contractor shall assume liability for Local, State, or Federal Tax that is applicable to the work.

IB-24 ASSIGNMENT: This agreement, or any interest herein, shall not be assigned, transferred or otherwise encumbered, under any circumstances by Contractor without the prior written consent of the County.

IB-25 EQUAL EMPLOYMENT OPPORTUNITY: Charlotte County, Florida, in accordance with the provisions of Title VI of The Civil Rights Act of 1964 (78 Stat. 252) and the Regulations of the Department of Commerce (15 CFR, Part 8) issued pursuant to such Act, hereby notifies all bidders that it will affirmatively ensure that in any contract entered into pursuant to this advertisement, minority business enterprises will be afforded full opportunity to submit bids in response to this advertisement and will not be discriminated against on the grounds of race, color or national origin in consideration for an award.

All bidders are hereby notified that the successful bidder (Contractor) must and shall comply with the Civil Rights Act of 1964, the Age Discrimination in Employment Act, the Rehabilitation Act of 1973, the Americans with Disabilities Act and the Florida Civil Rights Act, all as amended. Specifically, Contractor agrees that:

- No person shall, on the grounds of race, color, sex, religion, age, disability, national origin or marital status, be excluded from participation in, be denied the benefits of, or be otherwise subjected to discrimination under any program, activity or service funded through the contract.
- Contractor will not discriminate against any employee or applicant for employment because of race, color, religion, sex, age, disability, national origin or marital status. Contractor agrees to post in a conspicuous place, available to employees and applicants for employment, notices setting forth the provisions of this non-discrimination clause.
- Contractor will, in all solicitations or advertisements regarding program activities, services provided or applications for employment, state that all qualified applicants will receive consideration for services or employment without regard to race, color, religion, sex, age, disability, national origin or marital status.
- County may require Contractor to submit reports as may be necessary to indicate non-discrimination. County officials will be permitted access to Contractor's books, records, accounts and other sources of information and its facilities as may be pertinent to ascertain compliance with non-discrimination laws.

It is expressly understood that County shall have the right to terminate the contract upon receipt of evidence of discrimination.

IB-26 UNAUTHORIZED ALIEN WORKERS: Charlotte County will not intentionally award publicly-funded contracts to any Contractor who knowingly employs unauthorized alien workers, constituting a violation of the employment provisions contains in 8 U.S.C. Section 1324a [Section 274A of the Immigration and Nationality Act (“INA”)]. The County shall consider employment by any Contractor of unauthorized aliens a violation of Section 274A of the INA. Such violation by the

Contractor of the employment provisions contained in Section 274A of the INA shall be grounds for termination of this Agreement by the County. In addition, pursuant to Section 448.095 of the Florida Statutes, all persons or firms entering into contracts with Charlotte County are required to register with, and use, the E-Verify system of the U.S. Department of Homeland Security to electronically verify the employment eligibility of all newly hired employees. The County may terminate this Agreement for failure on the part of the Contractor to use E-Verify. Contract termination for failure to use E-Verify is not considered a breach of contract pursuant to s. 448.095(2)(c)3, Fla. Stat.

IB-27 EMPLOYEE BACKGROUND CHECK: If an owner, except a stockholder in a publicly traded corporation, or an employee of the Contractor has been convicted of any offenses requiring registration as a sexual offender or sexual predator, regardless of the location of conviction, the Contractor shall ensure that the offender's or predator's work on the project is consistent with the terms of his probation and registry requirements.

IB-28 PUBLIC RECORDS CLAUSE TO CONTRACTORS "ACTING ON BEHALF OF THE COUNTY":

Pursuant to Section 119.0701 of the Florida Statutes, Contractors acting on behalf of the County must comply with the public records laws, specifically: a) keep and maintain public records required by the County to perform the contracted services; b) upon request from the County's custodian of public records, provide the County with a copy of the requested records or allow the records to be inspected or copied within a reasonable time at a cost that does not exceed the cost provided in Chapter 119 of the Florida Statutes or as otherwise provided by law; c) ensure that public records that are exempt or confidential from public records disclosure requirements are not disclosed except as authorized by law for the duration of the contract term and following completion of the contract; and d) upon completion of the contract, keep and maintain all public records required by the County to perform the service, and meet all applicable requirements for retaining public records.

IF THE CONTRACTOR HAS QUESTIONS REGARDING THE APPLICATION OF CHAPTER 119, FLORIDA STATUTES, TO THE CONTRACTOR'S DUTY TO RETAIN AND PROVIDE PUBLIC RECORDS RELATING TO THIS CONTRACT, CONTACT THE COUNTY'S CUSTODIAN OF PUBLIC RECORDS AT (941) 743-1441, E-MAIL TO RECORDS@CHARLOTTECOUNTYFL.GOV, 18500 MURDOCK CIRCLE, BLDG. B, Suite 109, PORT CHARLOTTE, FLORIDA 33948.

TECHNICAL SPECIFICATIONS & CONDITIONS
WATER AND WASTEWATER CHEMICALS - ANNUAL
BID NO. 2021000514

TS-01 PURPOSE: It is the intent of Charlotte County (hereinafter referred to as County) to purchase water and wastewater treatment chemicals on an "as required" basis. Chemicals shall be primarily utilized by the Utilities Department (hereinafter referred to as Utilities) and shall be delivered to various job sites within the County. Any water or wastewater system that Utilities acquires through contract operations or direct purchase shall receive the same price structure.

Name Brand specifications are offered as a guide only, and not a competitive limiting device. Other manufacturers (bidders of similar specified items) are encouraged to submit competitive bids. The County will accept an equivalent or better for all items listed. Equivalents are subject to verification by County prior to acceptance of same.

For purposes of this Bid, the term "bidder" shall be defined as the company submitting the proposal and shall include all subsidiaries, affiliates, and subcontractors. As such, any requested documentation shall apply to all subsidiaries and affiliated companies as well as any subcontractors. If a company is using a subcontractor to either manufacture or deliver the product, the requested items (e.g., references, terminations, and safety incidents) shall apply to the subcontractor as well.

TS-02 STANDARDS: It shall be the responsibility of each supplier to assure compliance with any Occupational Safety and Health Administration, (OSHA), Environmental Protection Agency (EPA), National Safety Foundation International (NSF) and other Federal, State, and/or Local rules, regulations, or other requirements, as each may apply. Where AWWA Standards are applicable to any chemical listed herein, the same shall be in compliance with the latest revisions thereof. Florida Statutes, Chapter 442 Right-To-Know Law, mandates on-site Material Safety Data Sheets (MSDS) for all toxic substances. All bidders are required to submit MSDS with their Bid Forms.

TS-03 BID PRICES/TERMS OF CONTRACT: The contract resulting from this bid request shall be valid from October 1, 2021 through and including September 30, 2022. If mutually agreed, this contract may be extended annually for up to two (2) additional one-year terms, at the same prices, terms and conditions.

Bidders shall bid unit prices, F.O.B. destination. These prices shall be considered firm for the duration of the contract and will be used for payment, including transportation, labor, equipment, and incidentals used in delivering supplies and materials to the point of delivery.

Storage tanks, when required for materials offered under this bid, shall be furnished by the successful bidder(s), on a no-cost-to-buyer loan basis. Charlotte County shall not pay a cylinder or container fee for late returns.

Estimated quantities are provided as a courtesy, cannot be guaranteed, and are not meant to imply actual quantities to be purchased. The County will not knowingly disclose an estimate disproportionate to what is anticipated or expected to be needed within a twelve-month period. Current contract prices can be obtained by accessing the Charlotte County Purchasing Division's website at https://purchasingbids.charlottecountyfl.gov under "Purchasing Bids Online", Search History. Historical searches can only be executed by keying in all or part of the project title. The previous Contract number for this project is **19-582** and is entitled **"WATER AND WASTEWATER CHEMICALS - ANNUAL".**

TS-04 DELIVERY: Successful bidder(s) shall be strictly held to delivery date. In the event chemicals are not delivered by date specified, the County reserves the right to withdraw from contracts of purchase, and either award to the next lowest bidder or re-bid the specific product.

All deliveries shall be made between 7:00 a.m. and 3:00 p.m., Monday through Friday, excluding legal holidays, unless otherwise agreed by the receiving department prior to attempting to make a delivery. No additional delivery charges may be imposed for additional delivery attempts resulting from the successful bidders' failure to make contact with the representative at delivery site. Bulk deliveries require two (2) hours' notice of arrival from the supplier prior to delivery.

Successful bidder(s) is advised to visit each delivery point without inconvenience to the County, to assure that his equipment is compatible with the County's unloading and storage facilities. Bidders shall indicate on the Bid Form their methods for off-loading the chemical at each location (example: pallet of chemical by use of a pallet jack or forklift). Such methods must be made known in advance as the County wishes to contract with suppliers that have safe, efficient techniques for off-loading established. It is the successful bidders' full responsibility to off-load all deliveries and place in County storage facilities.

Certified weight tickets are required for each delivery. Successful bidder(s) will assure separate delivery tickets for each delivery and will obtain authorized signatures from County's employees. At least one (1) copy of the delivery ticket and corresponding weight ticket shall be left with County Employee on each delivery.

The Contractor shall be responsible for any spills resulting from the failure of its or its subcontractor's delivery equipment or from failure of attendant delivery personnel in the proper performance of their duties. Proper performance shall require attendant delivery personnel's constant inspection and observation of unloading operations and knowledgeable response to problems or emergencies, which would most commonly be expected to occur. The County reserves the right to refuse any and all deliveries made with equipment that is poorly maintained.

The tanks or trailers shall be clean and free of residue that may contaminate the Contractor's product or impede the unloading process. It is the Contractor's responsibility to verify the cleanliness of the transporting equipment before loading. All appurtenant valves, pumps, and discharge hoses used for the delivery of sodium hypochlorite shall be supplied by the Contractor and shall be clean and free from contaminating material. The County may reject a load if the equipment is not properly cleaned. The Contractor shall furnish a County approved, leak-free connection device between the trailer and the County's intake receptacle. The Contractor shall observe the entire filling operation at each delivery site and shall immediately report any spills caused during the filling operations. The Contractor shall take immediate and appropriate actions to clean up any spilled liquid sodium hypochlorite. If the spill is not cleaned up, the County will hire a certified hazardous material handling company to clean up the spill, and the cost of such service will be charged to the Contractor and deducted from the amount due to the Contractor. If the County's unloading equipment such as pipe, valves or level indication and alarms should fail and the spillage is not the fault of the Contractor or its subcontractor, the Contractor shall be relieved of cleanup of the spill.

Each individual requirement will be covered by a Purchase Order. Separate invoicing reflecting Purchase Order Numbers will be required. Should successful bidder(s) become unable to perform due to breakdown, product scheduling, lack of product or equipment, County may, as needed, purchase from other sources. The successful bidder(s) shall be held liable for the difference of cost between awarded price and cost of the required purchase from another source. Deliveries shall be made in tank truckloads as called for in these specifications. Chemicals shall be delivered to the following various locations throughout the County: **(Sites marked with an asterisk (*) are not accessible with a large tanker and shall have delivery made by a truck no longer than 26 feet in length.**

*Gulf Cove Water Booster Station # 3
12050 Van Lenten Boulevard (Gillot & Van Lenten)
Port Charlotte, Florida 33953

*Walenda Water Booster Station #4
17180 Walenda Avenue
Port Charlotte, Florida 33954

Leachate Treatment Plant
29751 Zemel Road
Punta Gorda, Florida 33955

East Port Reclamation Facility
3100 Loveland Boulevard
Port Charlotte, Florida 33980

Rotonda Wastewater Plant
3740 Kendall Road
Rotonda West, Florida 33947

West Port Wastewater Plant
15005 Cattledock Point Road
Port Charlotte, Florida 33981

*Walenda Reclaimed Water Booster Station
17180 Walenda Avenue
Port Charlotte, Florida 33954

Angol Lift Station #321
Angol Street
Punta Gorda, Florida 33983

Tee View Lift Station # 857
Tee View Road & Tee view Terrace
Rotonda, Florida 33947

Rotonda Water Booster Station #6
46 Parade Circle
Rotonda, Florida 33946

*Ingraham Injection Station #7
14276 Ingraham Boulevard
Port Charlotte, Florida 33981

Utilities Service Center
25550 Harborview Road
Port Charlotte, Florida 33953

Burnt Store Wastewater Plant
17430 Burnt Store Road
Punta Gorda, Florida 33950

Burnt Store Reverse Osmosis Plant
17430 Burnt Store Road
Punta Gorda, Florida 33950

*Eagle Street Reclaimed Water Booster Station
Lorenzo Avenue & Eagle Street
Port Charlotte, Florida 33952

*Golf Course Water Booster Station #2
22339 Glen Eagles Drive
Port Charlotte, Florida 33952

Myakka Booster Station
4070 Railroad Avenue
Port Charlotte, Florida 33953

*Englewood Interconnect Booster
6369 Richledge Street
Englewood, Florida 34224

Successful bidder(s) must make deliveries within 96 hours after notification. If the successful bidder(s) cannot meet the requirements, the County shall purchase from another source until successful bidder(s) is able to meet the requirements. Successful bidder(s) shall be responsible for the difference of any costs incurred as a result.

TS-05 IDENTIFICATION: Each shipment shall exhibit a form of identification. Shipments shall be marked legibly with net weight of contents, manufacturer name, and brand name. Failure to comply may result in rejection of shipment at no cost to the County.

TS-06 SAFETY MEASURES: The successful bidder(s) shall provide an appropriate safe handling training course, within the first three (3) months of the contract, to all current Charlotte County user department personnel. Successful bidder(s) shall be available to conduct "refresher" courses or new employee training at six-month intervals throughout the duration of the contract.

Bidder(s) shall assure the County that each delivery truck will have the following (exceptions to these provisions must be noted on Bid Forms):

- A capable CDL licensed driver trained to properly handle chemical shipments and use and operation of equipment (if applicable).
- Self-Contained Breathing Apparatus (SCBA) (if applicable).
- Repair Kits for use on a 1-ton and/or 150-pound cylinder (if applicable).

Successful bidder(s) guarantees that when, in the opinion of the County, an emergency condition exists, trained emergency crew(s) and proper equipment will be immediately available on a 24-hour basis if the County places a telephone call to the number provided by the successful bidder(s).

Bidder(s) shall supply, in writing, an emergency spill response plan with emergency response personnel names and contact telephone numbers and 24-hour contact numbers. Emergency Response Plans must be detailed and proficient. Bidder(s) shall supply in writing, an updated Emergency Response Plan, at least once per year at the time of contract renewal. The County reserves the right to reject bidder(s) who fail to submit a comprehensive, emergency-spill response plan.

Proper spill response notifications procedure along with any forms as required by all local, state or federal regulatory agencies shall be supplied by the successful bidder(s) and any subcontracted delivery companies. This requirement in no way relieves the successful bidder(s) of his responsibility to notify the proper regulatory agencies of a spill incident. In the event of a spill or leak, the successful bidder(s) shall provide the necessary personnel to respond to and work with the Charlotte County Fire/Rescue or designated Hazardous Materials Response Team. The successful bidder(s) shall manage and oversee "After Event" clean-up efforts. Should a spill or leak caused by successful bidders' personnel, equipment, or method of delivery occur, successful bidder(s) shall immediately comply with all applicable terms and conditions of the Reauthorization Act of 1986, 42 USCG 11001, et. seq. (SARA) and the Florida Hazardous Materials Emergency Response and Community Right-to-Know Act of 1988, Chapter 252, Part II, Florida State Statutes. The responsibility of compliance with Federal, State, and/or County Rules and Regulations regarding vendor caused spills or releases shall rest with the successful bidder(s). Successful bidder(s) agrees to hold Charlotte County harmless for failure to properly report and/or comply with this provision.

TS-07 CALCIUM HYPOCHLORITE 65%: Calcium hypochlorite is used for the treatment of municipal water and wastewater, and shall be supplied in accordance with AWWA Standard B300-92 with the following specifics and additions:

- Chlorine shall be delivered in 100-pound sealed drums or palletized with six (6) drums per pallet. Pallets must consist of wooden slates on top and bottom and are to be loaded to 600 pounds per pallet. All pallets are to be

protected with shrink-wrap plastic when shipped to the County. Broken drums will not be accepted. Palletizing, shrink wraps, and associated labor involved in packing and delivery is considered incidental to the price of a palletized product. Therefore, costs involved with packaging and delivery of palletized products are to be included in the bid price as there will be no separate pay item for same.

- All granular chlorine shipping containers shall conform to applicable regulations of the Interstate Commerce Commission.

- The chemical must be white, free flowing, granular solid with a chlorinous odor. Chemical formula - $Ca(OC_1)2$ with a specific gravity of 0.98%. Affidavits of compliance to AWWA Standard B300-92 regarding Calcium Hypochlorite Chlorine is required.

Should samples be required for bid evaluation, Bidders will be required to furnish one (1) 100-pound sealed drum, as designated by the County, at no charge.

TS-08 SULFURIC ACID 93%: All Sulfuric Acid 93% ± 1% shall be delivered in quantities of at least 200 gallons with a maximum of 1,000 gallons, per delivery, at the Burnt Store RO Plant. All products shall meet NSF-60 requirements as appropriate. This chemical is intended specifically for use to lower the pH of well water prior to reverse osmosis water treatment systems.

- shall contain no more than 17ppm in Low Iron RO Grade Sulfuric Acid (H2SO4)
- provide a certification of the analysis of the load being delivered at the time of delivery
- provide a complete breakdown of the conversion formula required for liquid gallons to pounds
- provide MSDS documentation with the bid
- each load shall be accompanied by a certified weight ticket
- all costs incidental to delivery and off-loading of chemicals shall be included in bid price
- any deliveries not meeting chemical quality, regulatory, safety or delivery requirements shall be returned at no cost to County and shall be re-shipped and/or re-delivered by Supplier within 48 hours of the original unacceptable delivery
- supplier shall provide at the time of delivery a dated receipt, signed by the driver, identifying product and quantity
- receipts shall be signed by the on-site County personnel at the time of delivery and a copy of the receipt presented to him/her
- no delivery shall be made when a County representative is not on-site
- payment will not be made until defects are corrected and the Sulfuric Acid re-inspected and accepted
- provide certification of National Sanitation Foundation (NSF) NSF 60 registration and compliance
- Affidavit of Compliance to AWWA Standards regarding Sulfuric Acid is required

The Sulfuric Acid supplied under this specification shall contain no substances in quantities capable of producing deleterious or injurious effects on the health of those consuming the water that has been treated with it. Transport of the Sulfuric Acid shall conform to all applicable Federal, State, and local laws and regulations.

TS-09 PHOSPHORIC ACID 75%: All Phosphoric Acid 75% shall be delivered in 55-gallon poly drums. The chemical must be a viscous, colorless to straw-colored and odorless liquid with a specific gravity of 1.573% and a bulk density of 13.1 pounds per gallon with a chemical formula H_3PO_4. It does not need to be approved for drinking.

All Chemical shipping containers shall be in compliance with the regulations of the Interstate Commerce Commission.

TS-10 SODIUM HYDROXIDE SOLUTION NaOH & 50% (Caustic Soda): Sodium Hydroxide (Caustic Soda) is used in water treatment systems and wet scrubber odor control type systems. This chemical is intended specifically for use in the manipulation of pH for stability purposes in water treatment systems and wet scrubber odor-control systems. All specifications are to be in accordance with AWWA Standard B501-93 with the following specifics and additions:

- Caustic Soda 50% shall be available in bulk deliveries in quantities of at least 200 gallons and a maximum of 1,000 gallons per delivery to the Burnt Store Reverse Osmosis Plant location. Only liquid 50% solution is required at this location. All products shall meet NSF-60 or 61 requirements as appropriate. The estimated quantities for this item are one (1) delivery per year of 1,000-2,000 gallons per delivery.
- The Caustic Soda supplied under this specification shall contain no substances in quantities capable of producing deleterious or injurious effects on the health of those consuming the water that has been treated with it. Transport of the Caustic Soda shall conform to all applicable Federal, State, and local laws and regulations.

Should samples be required for bid evaluation, Bidders will be required to deliver 100 gallons to the County at a pre-determined site at no charge to the County for testing of product prior to awarding the bid.

TS-11 SODIUM HYPOCHLORITE SOLUTION $NaOC_1$ 12% (Chlorine Bleach): Sodium Hypochlorite (Chlorine Bleach) is used in water and wastewater treatment facilities. All specifications are to be in accordance with AWWA Standard B300-04 regarding Sodium Hypochlorite with the following specifics and additions: Sodium Hypochlorite (Chlorine Bleach) shall be available for bulk delivery in quantities of at least 1,800 gallons with a maximum of 4,200 gallons, per delivery, at the East Port Facility. Quantities of 1,500 gallons or less may be delivered to other Utilities water and wastewater treatment facilities as required.

Each prospective bidder shall submit a 1,500 ml "chilled" sample of their product representative of their manufacturing process to one of the approved testing laboratories listed below for analysis.

NovaChem Laboratories (formerly Novatek)
5172 College Corner Pike (PO Box 608)
Oxford, Ohio 45056
Ph: 513-523-3605
Fax: 513-523-4025

Thornton Laboratories
1145 East Cass Street
Tampa, Florida 33602
Ph: 813-223-9702
Fax: 813-223-9332

Envirodyne, Inc.
4805 N.W. 2nd Avenue
Boca Raton, Florida 33431
Ph. 800-713-7737

KSA Environmental Laboratory, Inc.
10200 USA Today Way
Miramar, Florida 33025

Note: Concentration testing for iron and transition metal ions for nickel and copper in sodium hypochlorite is a difficult test and requires high levels of knowledge and experience for accurate and repetitive test results.

Sampling and testing shall be in accordance with EPA and AWWA B300-04 standards and in accordance with the documents titled: "*The Weight Percent Determination of Sodium Hypochlorite, Sodium Hydroxide, And Sodium Chlorate in Liquid Bleach" and "Suspended Solids Quality Test for Bleach Using Vacuum Filtration",* distributed by Powell Fabrication and Manufacturing, Inc. Should Bidder request to use another laboratory, that laboratory must be certified by the National Environmental Laboratory Accreditation Conference (NELAC) and must be able to meet the following Minimum Detection Limits (MDL): (1) Metals .02 mg/L; (2) Bromate .1 mg/L; (3) Chlorate 20 mg/L; (4) Perchlorate 20 mg/L and (5) Chlorine/Excess Caustic 0.1%. Bidder shall provide proof of current NELAC certification and laboratory analysis shall specify the MDL if a non-approved laboratory is used.

The laboratory shall ascertain whether the bidder's product is in compliance with this specification for available chlorine, 12% sodium hypochlorite, excess caustic, iron, copper, nickel, chlorate, perchlorate, bromate and suspended solids (based on Filter Test time). The cost of the analysis shall be borne by bidder. Failure to submit a sample or meet the requirements of the Specification may result in rejection of bid. Bidders are to submit results of the sample tests with their bid.

Further, County reserves the right to take samples from bidder's other customers to ensure that the bidder's sample and delivery equipment is in compliance with all the requirements of this specification and such a sample shall be judged representative of the bidder's quality. In such event, County shall bear the cost of any analysis. Based on this compliance check, failure to meet the requirements of this specification may result in rejection of bid.

Each prospective bidder shall submit a list of at least three (3) references to include phone numbers that use or have used its sodium hypochlorite for water or wastewater treatment in the past two (2) years. The reference list shall list actual users at the water and wastewater plants along with purchasing agents. Additionally, each bidder shall provide the names of any customers where its contract was terminated early (e.g., debarred) for safety, quality or service issues for any product it supplies over the past five (5) years. The bidder shall also provide a detailed listing of all accidents, incidents, releases, spills, and National Response Center Notifications ("safety incidents") for all chemicals it delivers or manufacturers for the past five (5) years. Failure to disclose references, terminations or safety incidents may result in rejection of bid. For purposes of this bid, the term "Bidder" shall be defined as the company submitting the proposal and shall include all subsidiaries, affiliates, and subcontractors. As such, any requested documentation shall apply to all subsidiaries and affiliated companies as well as any subcontractors and all of its manufacturing or delivery points. In the event that a company is using a subcontractor to either manufacture or deliver the product, the requested items (e.g., references, terminations, and safety incidents) shall apply to the subcontractor as well.

At the sole discretion of the County, the Contractor's delivery personnel (driver) may be asked to collect a sample of hypochlorite before the shipment is unloaded. In this case, the County will supply the sample container and the driver shall collect the sample from the tank truck and turn it over to the County. The sample shall be considered representative of the lot.

The County reserves the right to subject samples of the hypochlorite to quick analyses to ensure that it meets basic conditions of the specification with respect to specific gravity, weight percent of sodium hypochlorite, sodium hydroxide, and suspended solids. Any lot tested by the County that fails to comply with the specifications shall constitute grounds for rejection of that lot. No payment shall be made for hypochlorite that is rejected. The Contractor or its subcontractors shall allow 45 minutes for this testing to be completed. If testing cannot be completed within the 45-minute period, the County shall allow the Contractor to unload the shipment.

Hypochlorite supplied under this contract shall be tested and certified as meeting these specifications and those of the American National Standards Institute/National Sanitation Foundation Standard 60 (ANSI/NSF Standard 60), Drinking Water Treatment Chemicals Health Effects.

It is the responsibility of the supplier to inform the County that NSF certification has been revoked or lapsed within 24 hours of the time the supplier receives verbal or written notification. Loss of certification shall constitute sufficient ground for immediate termination of the contract between County and Contractor.

Hypochlorite delivered under this contract shall have a minimum of 120 Grams per Liter (GPL) available chlorine equivalent to 10.85 percent sodium hypochlorite by weight. Product shall be a clear straw-colored liquid with no visible cloudiness, impurities, or sediment.

Hypochlorite delivered under this contract shall have a minimum of 0.15 percent by weight sodium hydroxide and a maximum of 0.4 weight percent sodium hydroxide.

Hypochlorite delivered under this contract shall meet the following containment concentration limits:

Iron	< 0.3 mg/L
Copper	< 0.03 mg/L
Nickel	< 0.03 mg/L
Chlorate	< 2,000 mg/L
Bromate	< 20 mg/L
Filter Test Time	<3 minutes
Perchlorate	<20 mg/L

The delivery time of the shipment shall not exceed 72 hours from the time of manufacture of the product.

The Contractor shall be responsible for any spills resulting from the failure of its or its subcontractor's delivery equipment or from failure of attendant delivery personnel in the proper performance of their duties. Proper performance shall require attendant delivery personnel's constant inspection and observation of unloading operations and knowledgeable response to problems or emergencies, which would most commonly be expected to occur.

The tanks or trailers shall be clean and free of residue that may contaminate the Contractor's product or impede the unloading process. It is the Contractor's responsibility to verify the cleanliness of the transporting equipment before loading. All appurtenant valves, pumps and discharge hoses used for the delivery of sodium hypochlorite shall be supplied by the Contractor and shall be clean and free from contaminating material.

The County may reject a load if the equipment is not properly cleaned. The Contractor shall furnish a County approved, leak-free connection device between the trailer and the County's intake receptacle. The Contractor shall observe the entire filling operation at each delivery site and shall immediately report any spills caused during the filling operations. The Contractor shall take immediate and appropriate actions to clean up any spilled liquid sodium hypochlorite. If the spill is not cleaned up, the County will hire a certified hazardous material handling company to clean up the spill, and the cost of such service will be charged to the Contractor and deducted from the amount due to the Contractor. If the County's unloading equipment such as pipe, valves or level indication and alarms should fail and the spillage is not the fault of the Contractor or its subcontractor, the Contractor shall be relieved of cleanup of the spill. The suspended solids in the sodium hypochlorite delivered under this contract shall be minimized and the shipments delivered shall achieve a filtration time of less than three (3) minutes for 1000 ml when applying the *"Suspended Solids Quality Test for Bleach Using the Vacuum Filtration"* Method developed by Novatek.

Because of security and safety concerns, all delivery vehicle drivers shall be U.S. citizens and have a proper commercial driver's license with a Hazardous Material endorsement. Contractor's drivers shall display its driver's license and whenever challenged by Purchaser during the delivery. In addition, Contractor shall supply purchaser a "CD" with digital photographs of all of its delivery drivers with names imposed and shall send out an updated CD within 24 hours of any changes to its drivers. Purchaser shall use the CD to verify whether driver is actually an employee of the Contractor. Failure to show proper license or failure of driver to be listed on the CD provided to Purchaser shall result in rejection of delivery and could result in termination of the Contractor's supply agreement.

Delivery Reports: A certified report from the manufacturer shall be submitted for each sodium hypochlorite delivery to the County. The report shall contain the following data:

- date and time of manufacture
- percent by weight
- sodium hypochlorite
- excess sodium hydroxide
- specific gravity (referenced to a temperature)
- suspended solids test time

No deliveries will be accepted by the County unless accompanied by said certified laboratory report for the specific batch of sodium hypochlorite delivered showing the above data and that it conforms to the required specifications.

Quarterly Reports: At the start of the contract and every 90 days, the Contractor shall utilize an outside testing agency acceptable to both the County and the Contractor to analyze a sample of the sodium hypochlorite delivered to the County. The Contractor shall supply the sample container and the driver shall collect the sample from the tank truck. This sample will be given to the County at the time of the sampling and the County will forward the sample to the approved authorized testing agency. Any failure to comply with the specifications shall constitute grounds for cancellation of the contract between County and Contractor.

The County reserves the right to subject samples of the hypochlorite to quick analyses to ensure that it meets basic conditions of the specification with respect to specific gravity, weight percent of sodium hypochlorite, sodium hydroxide, and suspended solids. Any lot tested by the County that fails to comply with the specifications shall constitute grounds for rejection of that lot. No payment shall be made for hypochlorite that is rejected. The Contractor or its subcontractors shall allow 45 minutes for this testing to be completed. If testing cannot be completed within the 45-minute period, the County shall allow the Contractor to unload the shipment.

Charges for the manufacturers certified report and all quarterly reports by outside testing agencies should be included in the bid price.

Should samples be required for bid evaluation, Bidders will be required to deliver 100 gallons to the County at a predetermined site at no charge to the County.

TS-12 HYDROGEN PEROXIDE (Liquid H_2O_2): To be a stabilized 50% solution, complete miscible with water or sewage, with the following chemical and physical properties:

Active Oxygen	23.5%
Specific Gravity	1.196 A 20°C
Density	9.98 lbs./gal. @ 20°C
Freezing Point	-52°C
Solubility	°°

A. Deliveries shall be made by trucks equipped with state certified printing meters. Printed meter tickets reflecting the amount of chemical delivered shall be submitted to the County.

B. At each of the two (2) lift station sites, #26 Hopkins and #857 Tee View equipment is to be furnished as follows:

1. Liquid Feeder System (Contractor responsibility)

a. MS-2000 Series – NEMA 4 totally enclosed system, HOA, wired for 110-volt. System shall contain two (2) electronic diaphragm pumps (Pulsafeeder series E), a 24-hour timer, calibration cylinder exhaust fan and related ⅜" 316 stainless steel piping, valves and appurtenances. System shall also contain anti-siphon/back pressure regulator, and be designed with leak containment.

b. Pumps - Provide two (2) electronic diaphragm pumps with an output range of at least 0.2 to 2.5 gph and a discharge pressure of 100 psi. Pumps shall be skid-mounted, portable, and capable of easy removal and transport. Piping shall include antisyphon valve, backflow presenter, and pressure gauge. Each pump shall be wired for 110V AC/5 AMP and provided with a separate operational control system. All wiring and electrical work shall be performed in accordance with the National Electrical Code. All motors and controls shall be rated for outdoor use and enclosed in adequately rated NEMA enclosures. The pump operation shall be automatic, based on operation of the lift station pumps. One (1) of the two (2) chemical pumps shall also be wired for timer operation.

c. Storage Tanks - capacities required for each lift station site are: #26 Hopkins - 500 gallons; #302 Mauritania - 500 gallons; #322 Rio de Janeiro – 1,100 gallons; and #857 Tee View - 500 gallons. Tanks shall be double wall constructed of polyethylene with special UV light stabilizers and no titanium or carbon-based pigments (Phillips resin or e.g.). High purity aluminum (5254) may also be used. Tanks are to be equipped with two-inch stainless-steel fill line, aluminum quick connects, and a 16-inch minimum combined manway and vent. Tanks to be rated for minimum 10 pounds/gallon density.

d. Tank Level – Ultrasonic transducer with LED display.

e. Piping, Valves, and Fittings - All materials shall be stainless steel with Teflon or Viton seals and O-rings. Vented ball valves are required to prevent internal pressure buildup. Pressure relief valves shall be used in lines where H_2O_2 could be trapped.

2. Equipment Maintenance - The Contractor shall maintain all the H_2O_2 storage and dosing equipment. Major and preventative maintenance shall be carried out on an on-going basis.

3. Emergency Response - Should an emergency exist at the pump station where the Contractor's equipment is in operation, the Contractor shall be notified by the Utility. In such an instance, the Contractor shall immediately take all necessary actions to help resolve the situation.

4. Safety Training - After the feeding equipment is in place, the Contractor shall hold a safety training session for the personnel designated by the Utility. The Contractor shall also conduct additional safety training of new personnel introduced into the work area on an as-needed basis. Safety equipment and training services shall meet all State and Federal government requirements.

C. Miscellaneous services as follows:
1. General - The Contractor shall be responsible for providing initial sulfide monitoring at sites determined by the Utility. Based on the results of the monitoring program, the Contractor may be asked to install feeding equipment and begin chemical feeding. After the feeding begins, the Contractor shall provide miscellaneous services as listed under the above #2. Equipment Maintenance.

2. Initial Sulfide Monitoring - Upon authorization by the County, the Contractor shall conduct an initial sulfide survey in the wetwell of the pump station in question and its' associated tributary area and the discharge force main.

Wet well monitoring shall consist of measurement of hydrogen sulfide (H_2S) gas in the air, and the total sulfide concentration in the wastewater. Wet well monitoring shall be performed for a minimum five-day period with total sulfide measurements taken every three (3) hours between 8:00 a.m. and 5:00 p.m. Total sulfide measurement will be performed at a minimum of two (2) and a maximum of four (4) selected locations in the tributary area of the pump station. At each location, a minimum of four (4) total measurements will be made on a daily basis for a 5-day period.

Total sulfide measurements will also be performed at the discharge end of the pump station force main with a minimum 5-day monitoring and H_2S measurements every three (3) hours between 8:00 a.m. and 5:00 p.m. The results of the Initial Sulfide Monitoring Program will be submitted to the Utility. The report shall summarize the results of the monitoring program and discuss the significance of the monitored parameters. Should sulfide control be necessary, the report shall recommend the dosing level for H_2O_2 addition, predict the % reduction in the sulfide level, and make recommendation for dry or liquid chemical feed.

Automated sampling equipment may be utilized in place of grab sampling. All samples collected will be analysis for parameters listed below:

PARAMETER	
Hydrogen sulfide, mg/l	Method 4500-S2-D as described in Standard Methods for the Analysis of Water and Wastewater, 21st Edition
Residual H_2O_2	H_2O_2 Residual as mg/L, Merck Quantofix Strips
Hydrogen sulfide in air, ppm	MSA mini-responder, or equal
Wastewater Temperature	NBS calibrated thermometer
pH	HACH portable meter, or equal

3. Equipment Installation, Start-Up, and Optimization - Equipment installation and start-up are the responsibility of the Contractor. Dosing levels are to be established that will provide the required level of sulfide control as discussed in the Initial Sulfide Monitoring Report.

4. Monthly Monitoring, Optimization, and Data Analysis - The initial sulfide survey cannot represent the changing conditions due to the seasonal variations or process changes within the system. Monthly monitoring and sulfide profiling provide the data necessary to adjust dosing levels to assure optimum H_2S control at minimum chemical costs. The Contractor shall monitor the Utility's system weekly by collecting data to determine H_2S levels, wastewater temperature, flow, pH, and residual peroxide. This data shall be evaluated and monthly reports charting trends and showing control levels shall be prepared and submitted to the County. Recommended changes in peroxide dosing rates to control changing conditions shall also be provided to the County.

After jointly reviewing the monthly monitoring data with County staff, the Contractor shall make the required chemical feed dosing changes to ensure that the system optimization is being achieved.

TS-13 ANTI-SCALANT: Anti-scalant is a food grade aqueous anionic polyelectrolyte solution for use in reverse osmosis (RO) applications, which inhibits the formation and growth of alkaline earth carbonate and sulfate scales. Anti-scalant also disperses suspended solids and colloids. The product meeting the minimum requirements of Charlotte County is the Noveon Aquafeed 1025 Anti-scalant. These specifications are the minimum that Charlotte County will accept. The County will be the sole judge of a products equivalency to the Aquafeed 1025 Anti-scalant. Bidders shall provide a specification sheet of the product in order to determine equivalency.

Compliance with Food Grade quality product for use in potable water Reverse Osmosis systems with the National Sanitation Foundation (NSF), United States Environmental Protection Agency (USEPA), Florida Department of Environmental Protection (FDEP), and American Water Works Association (AWWA) are required.

It shall be delivered in 55-gallon poly drums and palletized, four (4) drums per pallet. The pallets must be able to be off-loaded at the time of delivery by the supplier, using a fork-lift-type vehicle, a pallet jack, and/or lift-gate truck provided by the supplier.

TYPICAL PROPERTIES AND SPECIFICATIONS

Appearance	Water white to amber, slightly hazy liquid
Odor	Slightly acidic
Total solids (%)	36.5 $\pm$ 1
pH	3.5 $\pm$ 0.5
Brookfield viscosity (cP, 25ºC)	157.5 $\pm$ 142.5
Contamination	None by visual observation
Freezing Point (º C)	-1
Boiling Point (º C)	101
Specific Gravity	1.15
Shelf-Life	One (1) year

Bidders shall provide a Certificate of Analysis, as well as a current MSDS as required by law, that includes the values for each parameter with their Bid Forms. The estimated quantities for this item are five (5) deliveries per year, totaling 20 drums per year of 55-gallons, palletized, four (4) per pallet each.

Should samples be required for bid evaluation, bidders will be required to deliver 15 gallons to the County at a pre-determined site at no charge to the County for testing of product prior to awarding the bid.

The Anti-scalant supplied under this specification shall contain no substances in quantities capable of producing deleterious or injurious effects on the health of those consuming the water that has been treated with it. Transport of the Anti-scalant shall conform to all applicable Federal, State, and local laws and regulations.

TS-14 CORROSION INHIBITOR: Corrosion Inhibitor is utilized at the Burnt Store RO Plant. This is a liquid zinc orthophosphate to minimize corrosion in the County's distribution system. Bids shall be accepted from those bidding this product or a product with equivalent typical values.

Liquid zinc orthophosphate must be certified as meeting or exceeding Standard No. 60 as issued by the National Sanitation Foundation (NSF). The agency providing this certification must be accredited to provide such certification and does not have to be affiliated with NSF. A letter stating that the product bid meets NSF Standard 60 must be included in this bid package. Furthermore, since certification is issued for a specific production site, the bidder must specify where the supply of liquid zinc orthophosphate will be produced so that it can be confirmed that the certification submitted is valid for the product to be supplied.

Liquid zinc orthophosphate must provide effective corrosion inhibition on ferrous and non-ferrous surfaces and have the capability to complex with lead to form a chemical film on the pipe interior over a broad temperature and pH range.

It is the intention of the County to accept only liquid zinc orthophosphate. Any product that contains a blend of polyphosphates and/or orthophosphates with silicates or other compounds will not be considered and the bid will be rejected.

This product must have the capability to minimize corrosion without causing any deleterious effects to the drinking water supply when used in accordance with the manufacturer's recommendations.

A. SPECIFICATIONS: Specifications are as follows:

1. Liquid zinc orthophosphate must be Nalco C-9 or approved equal. Equality will be based upon total available orthophosphate and zinc content and is subject to independent laboratory evaluation prior to awarding of a contract. Fees associated with this testing must be borne by each individual bidder.

2. Zinc orthophosphate must be liquid in form and easily applied via metering pump.

3. Liquid zinc orthophosphate must be manufactured from raw materials bearing Food Grade quality assurances and be manufactured in the United States. The County from time to time will run a total metal scan of supplier's product to ensure compliance to this critical quality issue. Should it be determined that the product shipped was not manufactured from Food Grade raw materials, all liquid zinc orthophosphate on site must be removed by the Contractor within 48 hours of being notified and replaced with product produced from Food Grade raw materials. Supplier will be required to send Certificate of Analysis detailing levels of zinc, orthophosphate and trace metals in replacement material.

4. Liquid zinc orthophosphate must be manufactured in the United States by a producer certified for ISO 9002 quality standards and at the specific plant or site holding this certification. A copy of the valid certificate must be included with the bid. Certification for NSF Standard 60 assures the buyer against toxicological hazards only, while ISO 9002 Certification guarantees the buyer consistent conformance to stated product quality standards.

5. Liquid zinc orthophosphate must be available in bulk, returnable or disposable tote bins, and drums. All shipping containers other than returnable tote bins must be new and unused. Any reconditioned containers will be refused and the bidder will be declared in default of this bid.

6. All deliveries are to be made within five (5) working days after receipt of an order and during the normal business hours as established by the location.

7. Liquid zinc orthophosphate must be non-toxic to humans by meeting the RMCL'S (Recommended Maximum Contaminant Level) as listed in the Water Chemicals CODEX and a statement from the manufacturer stating such must be included with the bid package submitted.

8. Liquid zinc orthophosphate must be safe to handle by operating personnel and a Material Safety Data Sheet (MSDS) must accompany the bid.

9. Liquid zinc orthophosphate must conform to these additional specifications:

Product Name (NSF Std. 60 registration)	Nalco C-9
Maximum Dosage as per registration	15.6 mg/L
NSF Std. 60 Certified Manufacturing Site	Ellwood City, PA
Specific Gravity:	1.55 - 1.61
Weight: (lbs/gal)	12.9 - 13.4
Odor:	None
Appearance:	Water White To Yellow
pH (neat) @ 25˚ C:	<1.0
Solubility:	100%
Boiling Point:	>212˚ F
Freeze Point:	-40˚ F
Volatile: (% by weight)	37%
*Total PO_4: (c)	35.9 - 36.2%
*Total P: (c)	11.6 - 11.8%
*Polyphosphate expressed as PO_4: (c)	0.0%
*Zinc as Zn	13%

*Methods by which these values are obtained must be stated herein on a separate sheet and submitted with the bid. Should verification become necessary, samples will be sent to an independent laboratory and all costs incurred will be borne by the bidder. Analytical procedures for determining these values must be methods as approved by the U.S. E.P.A. and are found in **Standard Methods for the Examination of Water and Wastewater**. Any other test procedures are not acceptable and submittal of such will be cause for rejection of bid.

10. A critical issue regarding purity will also be a basis for an award. A certification guaranteeing that the level of lead (Pb) in the product will be less than 1.0 ppm must accompany the bid package. Failure to provide such a guarantee may be cause to consider the bidder as non-responsive. Should the product on site be tested at any time during the contract period and the amount of lead in the product is found to exceed 1.0 ppm, the bidder will be notified and be given 48 hours to remove all material from the site and replace it with product that meets all specifications.

11. A producer Certificate of Analysis showing the product name, manufacturing lot number, and product quality criteria must be provided with each and every delivery. Failure to provide a corresponding C of A with each delivery will be just cause to refuse delivery of product.

B. SERVICE: The following service will be required:

1. Successful bidder must provide a listing of customers presently or recently using the product bid herein for the purposes of verifying product performance, technical support, and overall supplier performance.

2. Successful bidder must perform periodic water quality analyses providing the following information as a minimum at the bidder's expense:

pH
Polyphosphate, ppm PO_4
Orthophosphate, ppm PO_4
Alkalinity, as $CaCO_3$
Conductivity, UMHOS/CM
Suspended Solids, ppm
Total Organic Carbon, ppm
Calcium, ppm Total & ppm Dissolved
Magnesium, ppm Total & ppm Dissolved
Sodium, ppm Total & ppm Dissolved
Potassium, ppm Total & ppm Dissolved
Iron, ppm Total & ppm Dissolved
Copper, ppm Total & ppm Dissolved
Manganese, ppm Total & ppm Dissolved
Aluminum, ppm Total & ppm Dissolved
Zinc, ppm Total & ppm Dissolved
Nickel, ppm Total & ppm Dissolved
Chrome, ppm Total & ppm Dissolved

These analyses should be provided by an independent laboratory and must be submitted to the County for review with any treatment recommendations. The samples should be taken from several points in the distribution system to ensure uniform and proper treatment. Each bidder must submit an example of a typical water analysis for review. In awarding the contract for liquid zinc orthophosphate the County will consider the extent and quality of the water analysis that will be provided with this contract when selecting the lowest qualified bidder.

3. Successful bidder must supply and analyze steel and copper corrosion coupons as requested by the County. It is anticipated that these coupons will be installed at selected sites throughout the distribution system for 30- and 90-day time periods. Each bidder must submit an example of a typical corrosion coupon analysis for review. The County will consider the extent and quality of the corrosion coupon analysis that will be provided with this contract when selecting the lowest qualified bidder.

4. The successful bidder must have their own technical support representatives familiar with the treatment objectives stated in this bid specification. These representatives must be available for assistance within twenty-four (24) hours of a call.

5. Each bidder must submit the names, office address and telephone number, home address and telephone number, and the resume for each of its technical representatives that meet this requirement with the bid package submitted.

6. Product shall be delivered in 55-gallon poly drums and palletized, four (4) drums per pallet. The pallets must be able to be off-loaded at the time of delivery by the supplier, using a fork-lift-type vehicle, a pallet jack, and/or lift-gate truck provided by the supplier.

TS-15 POLYMER: Polymer is utilized at the East Port WRF. Bids shall be accepted from those bidding this product or a product with equivalent typical values as listed below. The recommended product is Clarifloc SE-905 Polymer.

Appearance	Opaque Liquid
Ionic Character	Cationic
Charge Density	Medium
Molecular weight	Low
Approx. bulk density	8.57
Specific gravity	1.03
Active content (%)	42
Bulk viscosity (cps)	1200
Maximum concentration (g/l)	5
Stability of D.I. solution (days)	1
Dilution to obtain 5 g/l active content	85
Approx. viscosity @ 5 g/l active content (cps)	5000
Storage temperature (◦C)	0-35
Shelf life (months)	six (6)

TS-16 CITRIC ACID (50% CITRIC ACID and 50% WATER): This chemical is intended specifically for use to lower the pH of the MBR PLANT. The product shall be delivered in quantities of 55-gallon drums, approximately eight (8) per year to the Rotonda Water Reclamation Facility. The recommended product is from ARCHER DANIELS MIDLAND CO.

DOT proper shipping Corrosive Liquid NOS (Citric Acid) 8, UN1760
Boiling Point 212F
Specific Gravity (H2O = 1) 1.24-1.26
Appearance and Order: Clear, Colorless to Pale Yellow to Brown Liquid with characteristic odor.

TS-17 CRITERIA FOR AWARD: The award of this bid shall be to the lowest responsive, responsible bidder(s) meeting or exceeding all of the specifications. Award of this bid may be made in total or in part, whichever the County determines is in its best interest. Another consideration in the award of this bid will be the number of days required to deliver after receipt of purchase order.

In addition, the bid evaluation shall consider previous performance, safety, reliability and reference checks. Because of the hazardous nature of some products and the relatively short shelf-life of others, consideration shall be given to the bidder's safety record, reliability, and previous performance.

For TS-14, Corrosion Inhibitor, the example typical water analysis and typical corrosion coupon analysis submitted by the bidders will also be considered for evaluation of award.

In the interest of a successful bid evaluation, Charlotte County may require bidders to submit samples, free of charge, for the purpose of inspection and testing by County forces.

County reserves the right to reject the bid proposal of any bidder who has previously failed to perform properly, or on time, contracts of similar nature; or who is not in a position to satisfactorily perform the contract. If, after bid opening, the lowest bidder is deemed non-responsible by the County, such bidder shall receive written notice from the County of this determination. The bidder shall have five (5) business days from the date of this notice to dispute the determination and to provide to the County any additional information it deems relevant regarding the bidder's responsibility. The County shall make a final determination regarding the bidder's responsibility at the time of award of the contract.

INSURANCE REQUIREMENTS
WATER AND WASTEWATER CHEMICALS - ANNUAL
BID NO. 2021000514

Contractor and subcontractors shall procure and maintain until all of their obligations have been discharged, including any warranty periods under this Contract are satisfied, insurance against claims for injury to persons or damage to property which may arise from or in connection with the performance of the work hereunder by the Contractor, his agents, representatives, employees or subcontractors.

The insurance requirements herein are minimum requirements for this Contract and in no way limit the indemnity covenants contained in this Contract. The County in no way warrants that the minimum limits contained herein are sufficient to protect the Contractor from liabilities that might arise out of the performance of the work under this Contract by the Contractor, his agents, representatives, employees, or subcontractors. Contractor is free to purchase such additional insurance as may be determined necessary.

A. MINIMUM SCOPE AND LIMITS OF INSURANCE - Contractor shall provide coverage with limits of liability not less than those stated below. An excess liability policy or umbrella liability policy may be used to meet the minimum liability requirements provided that the coverage is written on a "following form" basis.

1. **Commercial General Liability – Occurrence Form (CG 00 01)**
   Policy shall include bodily injury, personal injury, property damage and broad form contractual liability.

   Minimum Requirements:
   - General Aggregate $2,000,000
   - Each Occurrence $1,000,000

   a. The policy shall be endorsed to include the following additional insured language: "Charlotte County a political subdivision of the state of Florida and it officers, employees, agents and volunteers" shall be named as an additional insured with respect to liability arising out of the activities performed by, or on behalf of the Contractor.
   b. Contractor's subcontractors shall be subject to the same minimum requirements identified above.
   c. Policy shall be endorsed for a waiver of subrogation against the Charlotte County.

2. **Automobile Liability**
   Bodily injury and property damage for any owned, hired, and non-owned vehicles used in the performance of this Contract. Automobile liability must be written on a standard ISO form (CA 00 01) covering any auto (Code 1), or if Contractor has no owned autos, hired (Code 8) and non-owned (Code 9) autos.

   Combined Single Limit (CSL) $1,000,000

   a. The policy shall be endorsed to include the following additional insured language: "Charlotte County a political subdivision of the state of Florida and it officers, employees, agents and volunteers" shall be named as an additional insured with respect to liability arising out of the activities performed by, or on behalf of the Contractor, including automobiles owned, leased, hired or borrowed by the Contractor"**.**
   b. Contractor's sub-contractors shall be subject to the same minimum requirements identified in this section.
   c. Policy shall contain a waiver of subrogation against the Charlotte County.

3. **Worker's Compensation and Employers' Liability**
   Workers' Compensation
   Employers' Liability
   Each Accident, bodily injury or disease $1,000,000

   a. Policy shall contain a waiver of subrogation against the Charlotte County.
   b. Projects on or along navigable waters an endorsement for US Longshoremen and Harbor Workers and Jones Act is required.
   c. Contractor's sub-contractors shall be subject to the same minimum requirements identified in this section.

d. If the contractor has no employees the contractor must submit to the County the Workers Compensation Exemption from the State of Florida.

Additional Insured – All policies, ***except*** for the Workers Compensation shall contain endorsements naming the County its officers, employees, agents and volunteers as additional insured with respect to liabilities arising out of the performance of services contained herein. The additional insured endorsements shall not limit the scope of coverage for the County to vicarious liability but shall allow coverage for the County to full extent provided by the policy, even if those limits exceed those required by this contract. Such additional insured coverage shall be at least as broad as Additional Insured (Form B) endorsement form ISO, CG 20 10 11 85 or both CG 20 10 and CG 20 37 if later revisions used.

Waiver of Subrogation Rights – The Contractor shall require the carriers of required coverages to waive all rights of subrogation against the County, its officers, employees, agents and volunteers. Contractor agrees to obtain any endorsement that may be necessary to affect this waiver of subrogation. All general or auto liability insurance coverage provided shall not prohibit the Contractor and Contractor's employees or agents from waiving the right of subrogation prior to a loss or claim. The Contractor hereby waives all rights of subrogation against the County.

Policies Primary and Non-Contributory – For any claims related to this contract, the Contractor's insurance coverage shall be primary insurance as respects the County, its officers, employees, agents and volunteers. Any insurance or self-insurance maintained by the County, its officers, employees, agents or volunteers shall be excess of the Contractor's insurance and shall not contribute with it.

Severability of Interests – The Contractor agrees to ensure that coverage provided to meet these requirements is applicable separately to each insured and there will be no cross liability exclusions that preclude coverage for suits between the Contractor and the County or between the County and any other insured or additional insured under the policy.

Proof of Coverage - Prior to the commencement of performance of services the Contractor shall furnish to the County Purchasing Division Certificates of Insurance and amendatory endorsements or copies of the applicable policies. These certificates shall provide that such insurance shall not be terminated or expire without notice thereof in accordance with the policy provisions and Contractor shall maintain such insurance from the time the Contractor commences performance of services until completion of such services.

Acceptability of insurance carrier – Unless otherwise approved by Risk Management, Insurance shall be written by insurers authorized to do business in the State of Florida and with a minimum Best Insurance Guide rating of "A:VII".

Deductibles and Self-Insured Retention – Any and all deductibles or self-insured retentions in excess of $10,000 shall be declared to and approved by Risk Management. The County may require the Contractor to purchase coverage with a lower deductible or retention or provide proof of ability to pay losses and related investigations, claim administration and defense expenses within the deductible or retention.

Failure to Procure Coverage – In the event that any policy of insurance required under this contract does not comply with the requirements, is not procured or is cancelled and not replaced, the County has the right but not the obligation or duty to terminate the contract or obtain insurance if it deems necessary and any premiums paid by the County will be promptly reimbursed by the Contractor or County payments to the Contractor will be reduced to pay for County purchased insurance.

Insurance Review – Insurance requirements are subject to periodic review by the County. The Risk Manager or designee is authorized, but not required, to reduce, waive, or suspend any insurance requirements whenever Risk Management determines that any of the required insurance is not available, is unreasonably priced or is not needed to protect the interests of the County. In addition, if Risk Management determines that heretofore, unreasonably or unavailable types of insurance coverage or coverage limits become reasonably priced or available, the Risk Manager or designee is authorized, but not required, to change the above insurance requirements to require additional types of insurance coverage or higher coverage limits, provided that any such change is reasonable in light of past claims against the County, inflation, or any other item reasonably related to the County's risk. Any change requiring additional types of insurance coverage or higher coverage limits must be made by amendment to this contract. Contractor agrees to execute any such amendment within thirty (30) days of receipt.

Any failure, actual, or alleged, on part of the County to monitor or enforce compliance with any of the insurance and indemnification requirements will not be deemed as a waiver of any rights on the par to the County.

SAFETY AND HEALTH REQUIREMENTS
WATER AND WASTEWATER CHEMICALS - ANNUAL
BID NO. 2021000514

SH-01 HEALTH AND SAFETY PLAN: It shall be the responsibility of the Contractor to comply with OSHA, EPA, DOT and other applicable Federal and State of Florida laws, rules, regulations or other requirements. This includes, but is not limited to, 29 CFR 1926 (Safety and Health Regulations for Construction) and 1910 (Safety and Health Regulations for General Industry). Contractors are required to have a written Health and Safety Program that is jobsite specific. The elements of this written program shall be in accordance with OSHA 1926 and 1910. A list of program elements can be obtained from Charlotte County Risk Management.

The Contractor will designate a responsible member of his organization whose duty shall be the prevention of accidents at the site. This person shall be the Contractor's superintendent unless otherwise designated in writing by the Contractor to the Project Manager.

A copy of the Contractor's Health and Safety Plan will be submitted to Charlotte County at least 10 days prior to commencement of work. Contractor shall provide documentation that his employees and subcontractors received training (been informed of) on the Contractor's Health and Safety Plan. The Contractor will be responsible for conducting a site safety briefing for all visitors to the site. Documentation of these site safety briefings are to be maintained by the Contractor and made available to Charlotte County upon request.

Contractor will post, where appropriate, all necessary job-site Health and Safety notices. The Loss Control Coordinator will conduct unannounced job-site inspections during the course of the project. Minor safety violations may be addressed immediately with the onsite supervisor and Project Manager. Major safety violations will result in written notification to the Contractor and Charlotte County Department Director under which the project is being performed. Hazardous conditions that are considered by the Loss Control Coordinator to be immediately dangerous to life or limb will result in immediate stoppage of work until the hazardous conditions are corrected.

SH-02 ACCIDENTAL SPILLS: In the event of an accidental release or spill of chemicals or other hazardous materials the Contractor shall:

- Immediately take action as appropriate to contain the spill if this action can be taken without jeopardizing the health or safety of employees,
- Notify the Fire/EMS, or other entities as needed or required,
- Contact the Project Manager/Coordinator, and
- Contact Charlotte County Risk Management and Loss Control Coordinator.

The following phone numbers may be used in the event of an emergency:

Risk Management	941.764.4191
Loss Control Coordinator	941.743.1381 (or Cell 941.223.5535)

SH-03 CONTROL OF FUGITIVE EMISSIONS: The Contractor shall take all reasonable precautions necessary to control fugitive emissions from the job site. Fugitive emissions include, but are not limited to: nuisance dust, chemical odors/vapors/gases, hazardous materials such as lead or asbestos, and noise. Where the product(s) or material(s) to be used by the Contractor has a permissible exposure limit (PEL) established by OSHA the Contractor shall take all reasonable steps to maintain emissions of the product(s) or materials below the OSHA PEL. To verify that emissions are maintained below the OSHA PEL, the Contractor shall monitor, or shall contract to have monitored, work area exposure conditions. Monitoring shall occur, at a minimum, during the start of work and whenever there is a change in procedure, process, or chemical or material used. If it is deemed not practical to maintain exposures below the PEL, the Contractor shall restrict access to all areas where exposures exceed the PEL to authorized personnel only.

A. ASBESTOS AND SUSPECT ASBESTOS CONTAINING BUILDING MATERIALS: Contractors shall, under no circumstances, damage or disturb suspect or known asbestos containing material (ACM) unless they are a licensed Florida Asbestos Abatement Contractor and have been specifically employed to perform asbestos repair or removal. It is the responsibility of the Contractor to provide his or her own asbestos awareness program in accordance with 29 CFR 1926.1101. Where required by Federal and State regulations, the Contractor is required to have asbestos surveys performed

prior to any work that includes, but is not limited to, renovation, and demolition. The asbestos survey must be performed by a firm that is licensed in the State of Florida to perform such surveys. A copy of the asbestos survey shall be submitted to the County's project manager. Asbestos materials may not be used or installed in any Charlotte County facilities.

B. LEAD-CONTAINING BUILDING MATERIALS: Contractors that will disturb lead-containing building materials during the course of work shall take all necessary precautions to protect Charlotte County employees and the public from exposure to lead dust or contamination. These measures shall conform, at a minimum, to the OSHA requirements detailed in 29 CFR 1926.62 and applicable local, state and federal regulations. Where the Contractor is engaged in work in child-occupied facilities, such work shall be performed in accordance with 40 CFR 745, and clearance testing shall be performed by the Loss Control Coordinator or a licensed consultant at the conclusion of the project in accordance with the requirements of this regulation.

C. SAMPLING AND MONITORING RESULTS: The results of all personal and area monitoring and or other samples collected for health and safety compliance required by OSHA or any other state or federal regulatory agency shall be provided to Charlotte County.

BID FORM
WATER AND WASTEWATER CHEMICALS - ANNUAL
BID NO. 2021000514

TO: Senior Division Manager - Purchasing
Board of County Commissioners
Charlotte County Administration Center
18500 Murdock Circle
Port Charlotte, FL 33948-1094

The undersigned, as bidder, does hereby declare that he has read the Request for Bids, Instructions to Bidders, Technical Specifications & Conditions, Safety & Health Requirements, Bid Form, Drawings, and any other documentation for

WATER AND WASTEWATER CHEMICALS - ANNUAL

and further agrees to furnish all items listed on the attached Bid Form in accordance with the unit price(s) submitted. The above specified documents are herein incorporated into the Bid Form and shall be defined as the contract documents.

Please indicate by (√) that you have included the following documentation with your bid:

( ) MSDS Forms (where required)
( ) TS-11-Sample Test Results, References, & NELAC Certification
( ) TS-14, Methods of Values & Level of Lead Certification
( ) TS-14, Corrosion Coupon Analysis & Typical Water Analysis

NOTE: In accordance with Florida Statues, Section 119.071(1)(b)2: Sealed bids, proposals, or replies received by an agency pursuant to a competitive solicitation are exempt from s. 119.071(1)(b)2 and s. 24(a), Art. I of the State Constitution, except as provided by Florida Statutes 255.0518, until such time as the agency provides notice of an intended decision or until 30 days after opening the bids, proposals, or final replies, whichever is earlier. Upon release of the intended decision, if you wish to obtain the quote results, you may do so by visiting our Website at https://purchasingbids.charlottecountyfl.gov/ under "Purchasing Bids Online", document number 215144. No information regarding the submittal will be divulged over the telephone.

Name of Bidder:_____

(This form to be returned)

ITEM	BID DESCRIPTION	UNIT	EST. QTY	UNIT PRICE	EXT. PRICE
TS-07	**Calcium Hypochlorite 65%**				
	Eastport WRF	100# drum	300		
	West Port WRF	100# drum	200		
	Rotonda WRF	100# drum	200		
	Burnt Store WRF	100# drum	100		
		Total Drums -	**800**	$_____	$_____

Method of off-loading – Power Tailgate Vehicle w/Pallet Jack Delivery _____ calendar days

NOTE: Furnish a "per pallet" price and indicate the number of 100# drums within the pallet.
Drums per pallet _____ Per Pallet price $_____

TS-08	**Sulfuric Acid 93%**				
	Burnt Store RO	gal	**4,500**	$_____	$_____

Method of off-loading - Tank Truck w/Pumping Capabilities Delivery _____ calendar days

TS-09	**Phosphoric Acid 75%**				
	Leachate	55 gal. drum	**18**	$_____	$_____

Method of off-loading – Power Tailgate Vehicle w/Pallet Jack Delivery _____ calendar days

TS-10	**Sodium Hydroxide Solution (Caustic Soda 50%)**				
	Burnt Store RO Plant	55 gal. drum	**6**	$_____	$_____

Method of off-loading - Tank Truck w/Pumping Capabilities Delivery _____ calendar days

TS-11	**Sodium Hypochlorite Solution (Chlorine Bleach)**				
	East Port WRF	gal	185,000		
	West Port WRF	gal	50,000		
	Rotonda WRF	gal	80,000		
	Burnt Store WRF	gal	35,000		
	Myakka Booster Station (1) 500 gal tank	gal	20,000		
	Golf Course WBS #2- (2) 800 gal tanks	gal	35,000		
	Gulf Cove WBS #3 - (2) 550-gal tanks	gal	20,000		
	Walenda WBS #4 - (2) 1,000-gal tanks	gal	50,000		
	Rotonda WBS #6 – (2) 900-gal tanks	gal	75,000		
	Ingraham Inj. Sta. #7 – 350-gal tank	gal	7,000		
	Burnt Store RO Plant	gal	8,000		
	Englewood Interconnect Booster	gal	15,000		
		Total Gallons	**580,000**	$_____	$_____

Method of off-loading – Tank Truck w/Pumping Capability & 50-60 foot hose
Delivery _____ calendar days

TS-12	**Hydrogen Peroxide**				
	Lift Station #321Angol – 1,550-gal tank	gal	10,000		
	Lift Station #857Tee View– 550-gal tank	gal	4,000		
		Total Gallons	**14,000**	$_____	$_____

Method of off-loading_____ Delivery _____ calendar days

TS-13	**Anti-scalant**	55-gal drum	**20**	$_____	$_____

Method of off-loading – Vehicle w/Power Tailgate & Power Jack Delivery _____ calendar days

NAME OF BIDDER: _____

(This form to be returned)

ITEM	BID DESCRIPTION	UNIT	EST. QTY	UNIT PRICE	EXT. PRICE
TS-14	**Corrosion Inhibitor**	55-gal drum	**10**	$_____	$_____
	Method of off-loading – Vehicle w/Power Tailgate w/Power Jack			Delivery _____ calendar days	
	***Corrosion Inhibitor**	_____	**8**	$_____	$_____
	*Alternate containers Method of off-loading – _____			Delivery _____ calendar days	
TS-15	**Polymer**	250-gal totes	**24**	$_____	$_____
	Method of off-loading - _____			Delivery _____ calendar days	
TS-16	**Citric Acid Rotonda WRF**	55-gal drum	**8**	$_____	$_____
	Method of off-loading – Vehicle w/Power Tailgate w/Power Jack			Delivery _____ calendar days	
TS-17	**Powdered Activated Carbon** Leachate Plant **40 or 50 lb. bags**	per/lb.	**40,000 lb.**	$_____	$_____
	Method of off-loading - _____			Delivery _____ calendar days	

NAME OF BIDDER:_____

(This form to be returned)

If notified of the acceptance of this bid form, the undersigned agrees to execute a Contract for the stated compensation in the form as prescribed by the County, within the time constraints outlined in Instructions to Bidders.

The signature below is a guarantee that the Bidder will not withdraw his/her bid for a period of sixty (60) days after the scheduled time for opening the bids.

In accordance with section 287.135, Florida Statutes, the undersigned certifies that the company is not on the Scrutinized Companies with Activities in Sudan List, the Scrutinized Companies with Activities in the Iran Petroleum Energy Sector List, and does not have business operations in Cuba or Syria (if applicable) or the Scrutinized Companies that Boycott Israel List, or is not participating in a boycott of Israel.

The undersigned acknowledges receipt of the following addenda, and the cost, if any, of such revisions has been included in the price bid.

Addendum No. _____, Dated_____; Addendum No. _____, Dated_____ ; Addendum No. _____, Dated _____

Addendum No. _____, Dated_____; Addendum No. _____, Dated_____ ; Addendum No. _____, Dated _____

HOLD HARMLESS AGREEMENT: The bidding firm as indicated below, through the signing of this document by any authorized party or agent, indemnify, hold harmless and defend Charlotte County, a political subdivision of the State of Florida, its officers, agents, employees, and volunteers from all suits and actions, including attorney's fees and all costs of litigation and judgment of every name and description brought against the County as a result of loss, damage or injury to person or property by reason of any act or failure to act by the bidding firm, its agents, servants or employees.

Type of Organization (Please Check One): **Individual Ownership** _____ **Joint Venture** _____
Partnership _____ **Corporation** _____

Name of Bidding Firm _____

Mailing Address _____

Location Address _____

City & State _____ **ZIP**_____

Telephone _____ **Fax Number** _____

E-mail _____

Signature of person authorized to bind the Company: _____

Print Name/Title of person authorized to bind the Company: _____

Date: _____

(This form to be returned)

SOURCE OF SUPPLY AND SUBCONTRACTORS

The following sources of supply and subcontractors shall be used for the **WATER AND WASTEWATER CHEMICALS – ANNUAL** project. If bidder does not have a source of supply or subcontractor, insert "to be determined". When a source or subcontractor is determined, selection will be subject to County approval. (If not applicable, state N/A).

Source of Supply	Subcontractor(s)
1._____	1._____
2._____	2._____
3._____	3._____
4._____	4._____
5._____	5._____

DRUG FREE WORKPLACE FORM

The undersigned vendor in accordance with Florida Statute 287.087 hereby certifies that _____ (name of business) does:

1. Publish a statement notifying employees that the unlawful manufacture, distribution, dispensing, possession, or use of a controlled substance is prohibited in the workplace and specifying the actions that will be taken against employees for violations of such prohibition.

2. Inform employees about the dangers of drug abuse in the workplace, the business's policy of maintaining a drug-free workplace, any available drug counseling, rehabilitation, and employee assistance programs, and the penalties that may be imposed upon employees for drug abuse violations.

3. Give each employee engaged in providing the commodities or contractual services that are under bid a copy of the statement specified in subsection (1).

4. In the statement specified in subsection (1), notify the employees that, as a condition of working on the commodities or contractual services that are under bid, the employee will abide by the terms of the statement and will notify the employer of any conviction of, or plea of guilty or nolo contendere to, any violation of Chapter 893 or of any controlled substance law of the United States or any state, for a violation occurring in the workplace no later than five (5) days after such conviction.

5. Impose a sanction on, or require the satisfactory participation in a drug abuse assistance or rehabilitation program if such is available in the employee's community, by any employee who is so convicted.

6. Make a good faith effort to continue to maintain a drug-free workplace through implementation of this section.

As the person authorized to sign the statement, I certify that this firm complies fully with the above requirements.

Signature _____

Dated _____

Name of Bidder:_____

(This form to be returned)

REFERENCES – WATER AND WASTEWATER CHEMICALS - ANNUAL

Contractor shall submit a minimum of three (3) recent (within the past five (5) years) references of projects of similar size and scope. Each reference shall include a project description, project location, name and phone number of a contact person, total project amount, and completion date. The County reserves the right to contact references.

1. Project Owner / Company:_____

Name of Contact Person:_____ Telephone #_____

Address:_____

City & State:_____ Zip Code:_____

Project Description:_____

_____

_____

Total Project Amount: $_____ Completion Date:_____

2. Project Owner / Company:_____

Name of Contact Person:_____ Telephone #_____

Address:_____

City & State:_____ Zip Code:_____

Project Description:_____

_____

_____

Total Project Amount: $_____ Completion Date:_____

3. Project Owner / Company:_____

Name of Contact Person:_____ Telephone #_____

Address:_____

City & State:_____ Zip Code:_____

Project Description:_____

_____

_____

Total Project Amount: $_____ Completion Date:_____

4. Project Owner / Company:_____

Name of Contact Person:_____ Telephone #_____

Address:_____

City & State:_____ Zip Code:_____

Project Description:_____

_____

_____

Total Project Amount: $_____ Completion Date:_____

Name of Bidder:_____

(This form to be returned)

Village of Palm Springs

Executive Brief

AGENDA DATE: October 14, 2021

DEPARTMENT: Parks & Recreation

ITEM 6.4: Approve Irrigation Pump Conversion at Foxtail Palm Park (Task Order No. 299) - Piggyback - Parks and Recreation Department (FY 2022 Budget - General Fund) - A Cut Above Landscape & Irrigation

SUMMARY:

The Parks and Recreation Department needs to convert the existing well system at Foxtail Palm Park, currently utilized to irrigate the park, to a system that will recharge the lake to maintain a consistent adequate level of water. This conversion requires the installation of a three (3) horse-power submersible pump, pump station, and all required materials and piping to recharge the lake. This is essential to maintain the lake's water level during the dry season. This proposed installation will provide the Village with a means of keeping the lake at its desired level and complying with the South Florida Water Management District's permit requirements.

To ensure the lowest possible price, staff is recommending that the Village piggyback off the current Palm Beach County Engineering Contract that was awarded to various vendors (including A Cut Above Landscape & Irrigation, Inc). This selection by Palm Beach County was completed through a competitive selection process – Annual Roadway Landscaping Contract Palm Beach County Project No. 2020053, (Invitation to Bid, March 3, 2020).

If approved, the Village would accept A Cut Above Landscape & Irrigation's pricing by piggybacking the Palm Beach County Engineering contract, including all terms, conditions, and pricing therein. The term of the contract will expire on July 7, 2023.

Note: This cost is not budgeted in the Village's Fiscal Year 2022 Budget - General Fund, however, this cost can be absorbed within the Parks and Recreation capital budget as the Park Connector Pathway Sub-phase IIB project expenditure for FY 2022 is less than

anticipated.

The Village's Purchasing Code, Section 58-9, Accessing contracts of other government agencies, provides that the Village may award a contract by piggybacking or accessing the goods and/or services from any State of Florida contract; contracts of any Florida political subdivision; or from any other governmental entity (other than the Federal government); provided that the same or substantially similar goods and/or services were competitively solicited.

If approved, the proposed work is expected to be completed within 60 days of the authorization to purchase from the Village (December 2021/January 2022). The lead time on receiving the submersible pump and materials has been affected by the pandemic.

The proposed service was reviewed by the Village Attorney, the Parks and Recreation Director, Assistant Village Manager, Public Services Project Manager, and the Finance Director.

This vendor was used in the installation of the existing irrigation at Foxtail Palm Park and the Village has had no issues with that portion of the project.

Note: Following the initial installation of the lake liner, a "bubbling" of the liner in multiple places began to occur. After review and inspection of the situation by both the Village and the Engineer, it was established that the liner installation was done improperly and not per plans. It was also determined that the Engineer did not perform adequate quality control and inspections on the installation and was also found to be at fault. Thus, the Engineer, Engenuity Group, Inc., and contractor, Hatcher Construction, Inc., were directed to correctly install the liner at no cost to the Village, with sufficient slope to the shaping of the lake and an appropriate amount of compacted fill to hold the liner in place. These issues need to be remedied for the recharge of the lake to be effective.

FISCAL IMPACT:

This project is not funded within the Village's Fiscal Year 2022 Budget - General Fund, however, this cost can be absorbed within the Parks and Recreation capital budget as the Park Connector Pathway Sub-phase 2B project expenditure for FY 2022 is expected to cost less than was budgeted.

Allocated/Estimated Project Funding:	
FY 2022 Approved Funding - General Fund - Parks & Recreation (Sub-phase 2B Carryover)	$303,039.30
Total Available Funding/Revenues:	**$303,039.30**
Estimated Project Costs:	**Amount**
Sub-Phase 2B Estimated Construction - FY22	$166,963.09

Proposed Project Cost - Foxtail Palm Park Lake Recharge with Three (3) Horse-Power Submersible Pump (Task Order No. 299)	$ 31,969.00
Total Expected Project Costs:	**$198,932.09**

The Village will not expend more than the amount within the approved budgets as they may be adopted / amended each year for these goods and services over the term of this contract.

ATTACHMENTS:

Proposed Piggyback Agreement - A Cut Above Landscape & Irrigation, Inc.
Proposal - A Cut Above Landscape & Irrigation
Foxtail Palm Park Recharge Well Diagram
Approval to Piggyback - A Cut Above Landscape & Irrigation, Inc.
A Cut Above Landscape & Irrigation, Inc. - Bid Response (Pricing)
Palm Beach County Project Number 20200053 - Executed Contract
Palm Beach County, Florida - Engineering Annual Roadway Landscape Contract - Award Notice
Palm Beach County, Florida - Project Number 2020053 - Bid Tab Summary
Palm Beach County - Invitation to Bid - Annual Landscaping
Palm Beach County Project Number 20200053 - Bid Advertisement
State of Florida Irrigation License - A Cut Above Landscape & Irrigation, Inc.

AGREEMENT FOR PURCHASE AND INSTALLATION OF IRRIGATION PUMP

This Agreement for the purchase and installation of an irrigation pump and related equipment at Foxtail Palm Park hereafter ("Agreement") is made as of the _____ day of _____, 2021, by and between the **Village of Palm Springs**, 226 Cypress Lane, Palm Springs, Florida 33416-0075, a municipal corporation organized and existing under the laws of the State of Florida, hereinafter referred to as the VILLAGE, and A Cut Above Landscape & Maintenance, Inc., 1686 D Road, Loxahatchee, Florida 33470, , a corporation authorized to do business in the State of Florida, hereinafter referred to as the VENDOR.

RECITALS

WHEREAS, the VILLAGE wishes to engage the VENDOR to furnish and install a submersible pump and complete pump station at Foxtail Palm Park; and,

WHEREAS, Palm Beach County, Florida, through its competitive selection process awarded a contract for Annual Roadway Landscaping (Project Number 20200053)) (hereafter, "Palm Beach County Contract") to the VENDOR which included substantially the services sought by the VILLAGE; and,

WHEREAS, the VILLAGE requested and the VENDOR has executed this Agreement with the VILLAGE for furnishing and installation of a submersible pump and complete pump station for Foxtail Palm Park based on the pricing and terms and conditions of the Palm Beach County Contract; and,

WHEREAS, the VILLAGE desires to accept VENDOR's pricing by piggy-backing the Palm Beach County Contract including all terms, conditions and pricing therein.

NOW THEREFORE, in consideration of the mutual promises set forth herein, the receipt and sufficiency of which are hereby acknowledged, the parties hereto agree as follows:

1. Recitals. The parties agree that the recitals set forth above are true and correct and are fully incorporated herein by reference.

2. Palm Beach County Contract. The Palm Beach County Contract with the VENDOR is hereby expressly made a part of this Agreement as fully as if set forth at length herein. The VILLAGE shall have all rights, obligations and remedies authorized to the City under the Palm Beach County Contract and all associated and applicable Contract Documents as defined therein.

3. VENDOR's Proposal. In accordance with the terms and conditions in the Palm Beach County Contract and pricing therein, the VENDOR shall provide for the furnishing and installation of a submersible pump and complete pump station at Foxtail Palm Park as requested by the VILLAGE. The goods and services to be provided by the VENDOR shall be commenced subsequent to the execution and approval of this Agreement by the VILLAGE in accordance with the terms of the Palm Beach County Contract.

4. Contract Documents and Conflict of Terms and Conditions. The Contract Documents for this Agreement are compromised of the following:

A. All written modifications and amendments hereto;
B. This Agreement (including all exhibits);
C. Palm Beach County Contract (including all Contract Documents as defined therein).

The Contract Documents of this Agreement are intended to be complementary and interpreted in harmony so as to avoid conflict with the words and phrases interpreted in a manner consistent with construction and design industry standards. In the event of any inconsistency, conflict or ambiguity between or among the Contract Documents of this Agreement, the Contract Documents of this Agreement shall take precedence in the following order:

A. All written modifications and amendments hereto;
B. This Agreement;
C. The Palm Beach County Contract.

5. Compensation to VENDOR. Payments by the VILLAGE to the VENDOR under this Agreement shall not exceed the amount of compensation stated in the VENDOR's proposal to the VILLAGE and shall be based on the unit prices found in the Palm Beach County Contract, which shall be considered the "Contract price". VENDOR waives consequential or incidental damages for claims, disputes or other matters in question arising out of or relating to this Agreement. Payments made to VENDOR shall not be in excess of the amount provided in an approved budget of the VILLAGE.

6. Miscellaneous Provisions.

6.1 The VILLAGE and VENDOR each binds itself, its partners, its successors, assigns and legal representatives to the other party hereto, its partners, successors, assigns and legal representatives in respect of all covenants, agreements and obligations contained in the Contract Documents.

6.2 VENDOR shall maintain the insurance as required in the Palm Beach County Contract applicable to the goods and services being delivered hereunder. Said insurance will name the VILLAGE as an additional insured.

6.3 Headings and References & Exhibits: The headings contained in this Contract are inserted for convenience of reference only and shall not be a part or control or affect the meaning hereof. All references herein to Exhibits are to the exhibits hereto, each of which shall be incorporated into and deemed to be a part of this Contract.

6.4 Counterparts: This Contract may be executed in two or more counterparts, each of which shall be deemed to be an original, but all of which shall be deemed to be an original, but each of which together shall constitute one and the same instrument.

6.5 Entire Contract; Amendment and Waiver: This Contract (together with the Exhibits hereto) supersedes any and all prior negotiations and oral or written agreements

heretofore made relating to the subject matter hereof and, except for written agreements, if any, executed and delivered simultaneously with or subsequent to the date of this Contract, constitutes the entire agreement of the parties relating to the subject matter hereof. This Contract may not be altered or amended except by a writing signed by the parties hereto. No waiver of any of the terms or conditions of this Contract shall be effective unless in writing and executed by the party to be changed therewith. No waiver of any condition or of the breach of any term, covenant, representation, warranty or other provision hereof shall be deemed to be construed as a further or continuing waiver of any such condition or breach or a waiver of any other condition or of any breach of any other term, covenant, representation, warranty or other provision contained in this Contract.

6.6 Successors and Assigns: This Contract shall be binding upon, and shall inure to the benefit of the parties hereto and their respective successors and assigns.

6.7 Governing Law; Consent to Jurisdiction: This Contract shall be governed by and construed and interpreted in accordance with the laws of the State of Florida. Each of the parties hereto (a) irrevocably submit itself to the exclusive jurisdiction of the Fifteenth Judicial Circuit Court in and for Palm Beach County, Florida for state actions and jurisdiction of the United States District Court for the Southern District of Florida, Palm Beach Division, for the purposes of any suit, action or other proceeding arising out of, or relating to, this Contract; (b) waives and agrees not to assert against any party hereto, by way of motion, as a defense of otherwise, in any suit, action or other proceeding, any claim that it is not personally subject to the jurisdiction of the above-named courts for any reason whatsoever; and (ii) to the extent permitted by applicable law, any claim that such suit, action or proceeding by any part hereto is brought in an inconvenient forum or that the venue of such suit, action or proceeding is improper or that this Contract or the subject matter hereof may not be enforced in or by such courts.

6.8 Third Party Beneficiary rights: This Contract shall create no rights or claims whatsoever in any person other than a party herein.

6.9 Severability: If any one or more of the provisions of the Contract shall be held to be invalid, illegal or unenforceable in any respect, the validity, legality and enforceability of the remaining provisions hereof shall not in any way be affected or impaired thereby.

6.10 Effective date and Term: The effective date of this Contract is the date the Contract is approved by the Village Council. The term shall be the same as the current City of Palm Beach Gardens Contract. Any renewals shall be based on the renewal of the City of Palm Beach Gardens Contract.

6.11 Public Records**:** VENDOR shall comply with Florida's Public Records Act, Chapter 119, Florida Statutes, and, if determined to be acting on behalf of the VILLAGE as provided under section 119.011(2), Florida Statutes, specifically agrees to:

A. Keep and maintain public records required by the VILLAGE to perform the service.

B. Upon request from the VILLAGE's custodian of public records or designee, provide the VILLAGE with a copy of the requested records or allow the records to be inspected or copied within a reasonable time at a cost that does not exceed the cost provided in Chapter 119, Florida Statutes, or as otherwise provided by law.

C. Ensure that public records that are exempt or confidential and exempt from public records disclosure requirements are not disclosed except as authorized by law for the duration of this Contract and following completion of this Contract if the VENDOR does not transfer the records to the VILLAGE.

D. Upon completion of this Contract, transfer, at no cost, to the VILLAGE all public records in possession of the VENDOR or keep and maintain public records required by the VILLAGE to perform the service. If the VENDOR transfers all public records to the VILLAGE upon completion of the Contract, the VENDOR shall destroy any duplicate public records that are exempt or confidential and exempt from public records disclosure requirements. If the VENDOR keeps and maintains public records upon completion of the Contract, the VENDOR shall meet all applicable requirements for retaining public records. All records stored electronically must be provided to the VILLAGE, upon request from the VILLAGE's custodian of public records or designee, in a format that is compatible with the information technology systems of the VILLAGE.

IF THE VENDOR HAS QUESTIONS REGARDING THE APPLICATION OF CHAPTER 119, FLORIDA STATUTES, TO THE VENDOR'S DUTY TO PROVIDE PUBLIC RECORDS RELATING TO THIS CONTRACT, CONTACT THE CUSTODIAN OF PUBLIC RECORDS OR DESIGNEE AT 561-434-5084, kwynn@vpsfl.org, OR BY MAIL AT VILLAGE OF PALM SPRINGS, 226 CYPRESS LANE, PALM SPRINGS, FL 33461.

6.12 Preparation: This Contract shall not be construed more strongly against either party regardless of who was more responsible for its preparation.

6.13 PALM BEACH COUNTY IG: In accordance with Palm Beach County ordinance number 2011-009, the VENDOR acknowledges that this Agreement may be subject to investigation and/or audit by the Palm Beach County Inspector General. The VENDOR has reviewed Palm Beach County ordinance number 2011-009 and is aware of its rights and/or obligations under such ordinance.

6.14 All notices required in this Agreement shall be sent by certified mail, return receipt requested, and sent to the addresses appearing on the first page of this Agreement.

6.15 The VILLAGE is exempt from payment of Florida State Sales and Use Tax. The VENDOR shall not be exempted from paying sales tax to its suppliers for materials used to fill contractual obligations with the VILLAGE, nor is the VENDOR authorized to use the VILLAGE'S Tax Exemption Number in securing such materials.

7. Indemnity and Warranty.

Shall be as set forth in the Palm Beach County Contract.

8. Defaults; Termination of Agreement.

A. If the Village Manager deems that the VENDOR is in default for failure to supply the requested goods or has failed in any other respect to satisfactorily perform the services specified in this Agreement, the Village Manager may give written notice to the VENDOR specifying defaults to be remedied within fifteen (15) days.

If the VENDOR does not remedy defaults within fifteen (15) days or commence steps to remedy default to the reasonable satisfaction of the Village Manager, the VILLAGE may secure such services from another VENDOR; or

If after thirty (30) days the VENDOR has not remedied defaults or commenced steps to remedy defaults to the satisfaction of the Village Manager, the VILLAGE may elect to terminate this Agreement.

B. Notwithstanding paragraph A, the VILLAGE reserves the right and may elect to terminate this Agreement, without cause, upon thirty (30) days written notice. At such time, the VENDOR would be compensated only for the goods purchased to the date of termination and any other amounts due and owing to VENDOR at the time of termination. No compensation shall be paid for disengagement, wind-down or other costs incurred due to termination of this Agreement.

9. Public Entity Crimes.

VENDOR acknowledges and agrees that a person or affiliate who has been placed on the convicted vendor list following a conviction for a public entity crime may not submit a bid, proposal, or reply on a contract to provide any goods or services to a public entity; may not submit a bid, proposal, or reply on a contract with a public entity for the construction or repair of a public building or public work; may not submit bids, proposals, or replies on leases of real property to a public entity; may not be awarded or perform work as a contractor, supplier or sub-contractor under a contract with any public entity; and may not transact business with any public entity in excess of the threshold amount provided in Section 287.017, Florida Statutes, for CATEGORY TWO for a period of 36 months following the date of being placed on the convicted vendor list. VENDOR will advise the VILLAGE immediately if it becomes aware of any violation of this statute. As provided in Section 287.135, Florida Statutes, as amended from time to time, by entering into the Contract Documents, VENDOR certifies that it is not participating in a boycott of Israel. The VILLAGE and VENDOR agree that the VILLAGE will

have the right to terminate the Contract Documents if VENDOR is found to have been placed on the Scrutinized Companies that Boycott Israel List or is engaged in a boycott of Israel.

10. Fiscal Non-funding.

In the event sufficient budgeted funds are not available for a new fiscal period, the VILLAGE shall notify the VENDOR of such occurrence and this Agreement shall terminate on the last day of the current fiscal period without penalty or expense to the VILLAGE. The VENDOR will be paid for all services rendered through the date of termination.

11. Scrutinized Companies.

As provided in F.S. 287.135, by entering into any agreement with the VILLAGE, or performing any work in furtherance hereof, the VENDOR certifies that VENDOR and VENDOR's affiliates, suppliers, subcontractors and consultants that will perform hereunder that at the time the VENDOR submits a bid or proposal for a contract or before the VENDOR enters into or renews a contract with an agency or local governmental entity for goods or services of $1 million or more, the company must certify that the VENDOR is not on the Scrutinized Companies with Activities in Sudan List or the Scrutinized Companies with Activities in the Iran Petroleum Energy Sector List and that it does not have business operations in Cuba or Syria. Also, at the time a VENDOR submits a bid or proposal for a contract or before the VENDOR enters into or renews a contract with an agency or local governmental entity for goods or services of any amount, the VENDOR must certify that it is not participating in a boycott of Israel. If the VILLAGE determines, using credible information available to the public, that a false certification has been submitted by the VENDOR, the VILLAGE's Agreement may be terminated and a civil penalty equal to the greater of $2 million or twice the amount of the Agreement shall be imposed, pursuant to Section 287.135, Florida Statutes.

12. E-Verify.

Pursuant to Section 448.095(2), Florida Statutes, beginning on January 1, 2021, the CONTRACTOR shall:

A. Register with and use the E-Verify system to verify the work authorization status of all newly hired employees and require all subcontractors (providing services or receiving funding under this Agreement) to register with and use the E-Verify system to verify the work authorization status of all the subcontractors' newly hired employees;

B. Secure an affidavit from all subcontractors (providing services or receiving funding under this Agreement) stating that the subcontractor does not employ, contract with, or subcontract with an "unauthorized alien" as defined in Section 448.095(1)(k), Florida Statutes;

C. Maintain copies of all subcontractor affidavits for the duration of this Agreement and provide the same to the Owner upon request;

Comply fully, and ensure all of its subcontractors comply fully, with Section 448.095, Florida Statutes;

D. Be aware that a violation of Section 448.09, Florida Statutes (Unauthorized aliens; employment prohibited) shall be grounds for termination of this Agreement; and,

E. Be aware that if the VILLAGE terminates this Agreement under Section 448.095(2)(c), Florida Statutes, the CONTRACTOR may not be awarded a contract for at least one (1) year after the date on which the Agreement is terminated and will be liable for any additional costs incurred by the VILLAGE as a result of the termination of the Agreement.

IN WITNESS WHEREOF, the VILLAGE and VENDOR have caused this Agreement to be executed the day and year shown above.

VILLAGE OF PALM SPRINGS, FLORIDA

By: _____
Bev Smith, Mayor

ATTEST

_____
Kimberly Wynn, Village Clerk

Approved as to form and legal sufficiency:

_____
Glen J. Torcivia, Village Attorney

[Signatures continue on next page]

VENDOR:

A CUT ABOVE LANDSCAPE & MAINTENANCE, INC.

By: _____

Print Name: _____

Title: _____

[Corporate Seal]

STATE OF FLORIDA)
COUNTY OF _____)

The foregoing instrument was acknowledged before me this _____ day of _____, 2021 by_____, as _____ of A Cut Above Landscape &Maintenance, Inc., a corporation authorized to do business in the State of Florida, and who is personally known to me or who has produced the following _____ as identification.

Notary Public

_____
Print Name: _____
My commission expires:_____

A CUT ABOVE
LANDSCAPE & IRRIGATION
Design · Installation · Maintenance

1686 D ROAD
LOXAHATCHEE, FL 33470
561.795.1995 - PH
561.795.8898 - FX

NAME/ADDRESS
Village of Palm Springs Attn: Walt Sanchez 226 Cypress Lane Palm Springs, FL 33461

PBC SBE Vendor #VC0000009701

PROPOSAL

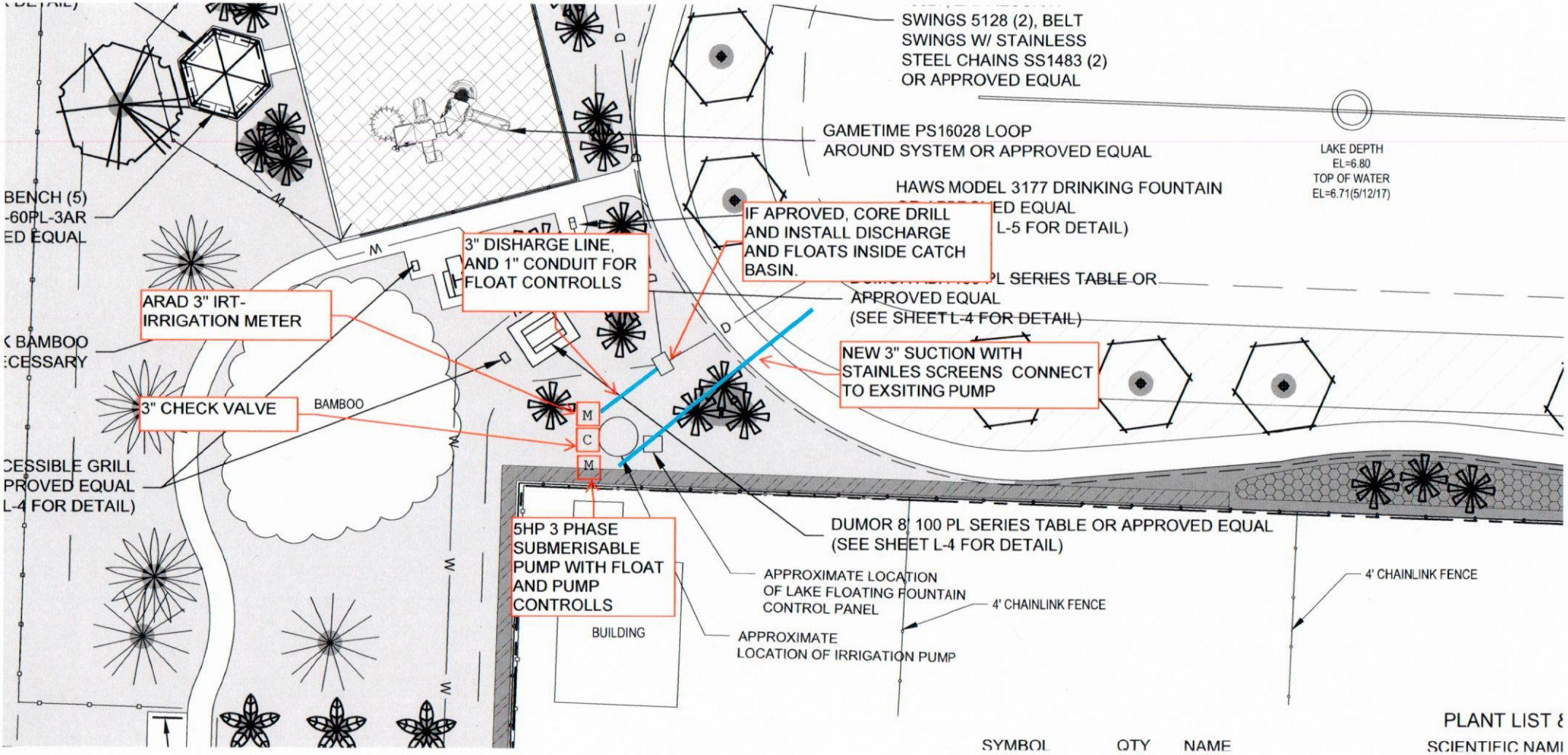
DATE	PROPOSAL #
8/31/2021	14963

DESCRIPTION	QTY	COST	TOTAL
RE: FOXTAIL PALM PARK (LAKE RE-CHARGE) *Revised w/ 3-HP Pump			
ACA to provide any/all necessary equipment, labor, supervision, materials and supplies to complete the following:			
Admin / Mobilization		500.00	500.00
ACA TO PROVIDE & INSTALL THE FOLLOWING:			
Item #246: Furnish & Install 3 HP Submersible Pump & Complete Pump Station for Obtaining Water from Well	1	24,100.00	24,100.00
Item #229: 3" HDPE PVC- Provide Transition Fitting (Per L.F.) *See Pay Item #18: Include all transition fittings and all apparatuses that are needed to complete the transition to PVC	140	20.00	2,800.00
Item #330: Two-Wire Control Wire (Buried in its own Conduit) (Per L.F.)	60	2.65	159.00
Item #313: 2-1/2" Gate Valve in Traffic Rated Valve Box	1	960.00	960.00
Item #318: 1-1/2" Flow Sensor in Traffic Rated Valve Box (Tier 15)	1	900.00	900.00
Item #271: 1/4 Sump Pump w/ Discharge Piping & Pop-Up Discharge Blow Off	1	1,200.00	1,200.00
Item #315: Furnish & Install 2" Air Relief Valve in Traffic rated Valve Box	1	450.00	450.00
Item #272: Injector Pump	1	900.00	900.00
*NOTE: Pricing based on PBC Engineering Contract			
**EXCLUSIONS: Permit Fees (if applicable)			

CUSTOMER AUTHORIZATION: X_____

TOTAL $31,969.00

ALL LANDSCAPING SHALL BE INSTALLED ACCORDING TO SOUND NURSERY PRACTICES AND SHALL BE FLORIDA NO. 1 OR BETTER AS GIVEN IN GRADES AND STANDARDS FOR NURSERY "PLANTS", STATE OF FLORIDA, DEPARTMENT OF AGRICULTURE. THERE WILL BE A CHARGE OF 1.5% ON ANY BALANCE REMAINING AFTER 30 DAYS PAST THE DUE DATE WHICH SHALL BE ASSESSED MONTHLY. SHOULD ACA BE REQUIRED TO PURSUE COLLECTIONS IN THE ABOVE ACCOUNT, CUSTOMER SHALL BE LIABLE FOR COSTS OF COLLECTION AND REASONABLE ATTORNEY'S FEES THEREIN. YOUR SIGNATURE ABOVE CONFIRMS YOUR UNDERSTANDING OF ACA'S COLLECTION POLICY AND GRANTS PERMISSION TO ACA TO COMMENCE PROPOSED WORK.


SWINGS 5128 (2), BELT SWINGS W/ STAINLESS STEEL CHAINS SS1483 (2) OR APPROVED EQUAL
GAMETIME PS16028 LOOP AROUND SYSTEM OR APPROVED EQUAL
LAKE DEPTH EL=6.80 TOP OF WATER EL=6.71(5/12/17)
HAWS MODEL 3177 DRINKING FOUNTAIN
IF APROVED, CORE DRILL AND INSTALL DISCHARGE AND FLOATS INSIDE CATCH BASIN.
3" DISHARGE LINE, AND 1" CONDUIT FOR FLOAT CONTROLLS
ARAD 3" IRT- IRRIGATION METER
APPROVED EQUAL
(SEE SHEET L-4 FOR DETAIL)
NEW 3" SUCTION WITH STAINLES SCREENS CONNECT TO EXSITING PUMP
3" CHECK VALVE
BAMBOO
5HP 3 PHASE SUBMERISABLE PUMP WITH FLOAT AND PUMP CONTROLLS
DUMOR 8' 100 PL SERIES TABLE OR APPROVED EQUAL
(SEE SHEET L-4 FOR DETAIL)
APPROXIMATE LOCATION OF LAKE FLOATING FOUNTAIN CONTROL PANEL
4' CHAINLINK FENCE
BUILDING
APPROXIMATE LOCATION OF IRRIGATION PUMP
PLANT LIST &
SYMBOL
QTY
NAME
SCIENTIFIC NAMI

A CUT ABOVE
LANDSCAPE & IRRIGATION
Design · Installation · Maintenance

1686 D Road
Loxahatchee, FL 33470
PH: 561.795.1995
FX: 561.795.8898

10/04/2021

Village of Palm Springs
226 Cypress Lane
Palm Springs, FL 33461
Attention Justin Lucas

RE: Contract Prices

Mr. Lucas-

A Cut Above Landscape & Maintenance, Inc. approves the use of Palm Beach County Engineering Contact #20200053 pricing for Village of Palm Springs to contract like or as services.

Thank you,

Damon Rockett
President

Department of Engineering and Public Works
P.O. Box 21229
West Palm Beach, FL 33416-1229
(561) 684-4000
FAX: (561) 684-4050
www.pbcgov.com

Palm Beach County Board of County Commissioners
Dave Kerner, Mayor
Robert S. Weinroth, Vice Mayor
Hal R. Valeche
Gregg K. Weiss
Mary Lou Berger
Melissa McKinlay
Mack Bernard

County Administrator
Verdenia C. Baker

"An Equal Opportunity Affirmative Action Employer"

August 4, 2020

A Cut Above Landscape & Maintenance, Inc.
1686 D Road
Loxahatchee, FL 33470

RE: ANNUAL ROADWAY LANDSCAPING CONTRACT
PALM BEACH COUNTY PROJECT NUMBER 2020053
EXECUTED JULY 7, 2020: R2020-0749

Dear Mr. Rockett:

Attached please find the above referenced Annual Contract, which was approved by the Board of County Commissioners on July 7, 2020 (R2020-0749). for your records.

If you have any questions, please feel free to contact me, at 561-684-4122.

Sincerely,

Holly B. Knight, P.E.
Contracts Section Manager

Attachment: Executed Contract R2020-0749

pc: Tanya McConnell, P.E., Deputy County Engineer

ec: Steve Carrier, P.E., Assistant County Engineer
Morton Rose, P.E., Director, Roadway Production Division
Holly B. Knight, P.E., Contracts Section Manager, Roadway Production
Kathleen Farrell, P.E., Thoroughfare Roads Manager, Roadway Production
Carl Bengtson, Manager, Streetscape

printed on sustainable and recycled paper

CONTRACT

STATE OF FLORIDA)

) ss.

COUNTY OF PALM BEACH) R2020 0749

This Contract, made this ____ day of JUL 0 7 2020, A.D. 20___, by and between PALM BEACH COUNTY, a Political Subdivision of the State of Florida, by and through its Board of County Commissioners (hereinafter "County"), and A Cut Above Landscape & Maintenance, Inc., Florida,and its heirs, executors, administrators and assigns, (hereinafter "Contractor"):

WITNESSETH: The Contractor agrees with the County, for the consideration herein mentioned at its own proper cost and expense to do all the Work and furnish all necessary labor, Materials, Equipment, machinery, tools, apparatus, services, state Workers' Compensation and unemployment compensation taxes incurred in the performance of the Contract, and means of transportation for the complete construction of:

PROJECT NAME: **ANNUAL ROADWAY LANDSCAPING CONTRACT**

PROJECT NO.: **2020053**

IN THE AMOUNTS specified in Work Orders which may be issued by the County. The County is not required to issue any Work Orders hereunder. The total value of Work Orders issued under this Contract shall not exceed **One Million Dollars ($1,000,000.00)**, except as may be increased according to Section 9-11 of the Contract Specifications.

The Contractor further agrees for the consideration herein mentioned to commence Work with adequate forces and Equipment within five (5) Working Days of the Work Order being issued for a specific project and to fully complete all contracted Word under the same in accordance with Contract Documents. After commencement of the Work, the Work Order shall be properly dispatched toward completion, to the satisfaction of the Engineer, and shall be fully complete within the time limit specified in the Work Order. Should the time limit for completion of the Work Order exceed the expiration date of the Contract, the Work Order Work will continue to completion and the Contractor shall ensure that Bonding and Insurance coverage do not expire until all Work Orders issued prior to the expiration of this Contract are complete and accepted. It is understood and agreed that the time limit for completion of said Work is the essence of the Contract. If Contractor fails to complete the Work within the time limit, it is agreed that for such Calendar Day that any Work provided for in these Contract Documents remain incomplete after the time limit has expired, including any official extension of the time limit, the sum per day given in the contained schedules shall be deducted from monies due the Contractor, not as a penalty, but as liquidated damages and added expense for supervision.

CONTRACT

The Contractor shall take into account all contingent Work which has to be done by other parties arising from any cause whatsoever, and shall not plead its want of knowledge of such contingent Work as an excuse for Delay in a Contractor's Work, or for its non-performance.

IN WITNESS WHEREOF, the Parties have caused this Contract for Annual Roadway Landscaping Contract, Project No. 2020053 to be executed and sealed the day and year first written above.

ATTEST:

R2020 0749
JUL 07 2020

SHARON R. BOCK,
Clerk & Comptroller

PALM BEACH COUNTY, FLORIDA, a
Political Subdivision of the
State of Florida

BOARD OF COUNTY COMMISSIONERS

By: _____
Deputy Clerk

By: _____
Dave Kerner, Mayor

APPROVED AS TO FORM
AND LEGAL SUFFICIENCY

APPROVED AS TO TERMS
AND CONDITIONS

_____
(witness signature)

A Cut Above Landscape & Maintenance, Inc.
(Corporate Name)

_____
(witness name printed)

a Florida corporation
(insert state of incorporation)

_____
(witness signature)

By: _____
(signature)

_____
(witness name printed)

Damon Rockett
(print signatory's name)

Its President
(print title)

4/21/2020
(date)

(Corporate Seal)

BID PROPOSAL

ANNUAL ROADWAY LANDSCAPING

CONTRACT

PBC PROJECT #2020053

ITEM #	ITEM DESCRIPTION	QTY	UNITS	UNIT PRICE	AMOUNT
1	Agave (Agave Americana) 2' X 2', 7 Gal. Cont.	10	EA	55.00	$ 550.00
2	Agave (Agave Americana) 30" X 30", 15 Gal. Cont.	10	EA	140.00	$ 1,400.00
3	Agave (Agave Americana) 36" X 36", 25 Gal. Cont.	10	EA	235.00	$ 2,350.00
4	False Agave (Furcraea foetida) 30"x 24" O.A, 7 Gal Cont.	10	EA	86.00	$ 860.00
5	False Agave (Furcraea foetida) 3 x 3, 15 Gal Container	10	EA	129.00	$ 1,290.00
6	False Agave (Furcraea foetida) 4 x 3, 25 Gal Container	10	EA	261.00	$ 2,610.00
7	Alexander Palm (Ptychosperma Elegans) 4" Cal. Max., 14' - 16' OA, Single Trunk, Dense Canopy, B&B	50	EA	450.00	$ 22,500.00
8	Alexander Palm (Ptychosperma Elegans) 4" Cal. Max., 14'-16' OA, Double Trunk, Dense Canopy, B&B	50	EA	550.00	$ 27,500.00
9	Alexander Palm (Ptychosperma Elegans) 4" Cal. Max., 14' - 16' OA, Triple Trunk, Dense Canopy, B&B	50	EA	600.00	$ 30,000.00
10	Areca Palm (Dypsis Lutescens) 6' - 8' OA, 5-7 Cane Min., 25 Gal. Container, Full to base	25	EA	185.00	$ 4,625.00
11	Areca Palm (Dypsis Lutescens) 12' OA, Multi-Stem, 7-9 Cane Min., B&B, Full to Base	20	EA	250.00	$ 5,000.00
12	Apple Blossom Shower (Cassis Javanica) 3" Cal., 14' OA X 5' Spr., 7' C.T., B&B	4	EA	1,000.00	$ 4,000.00
13	Bald Cypress (Taxodium Distichum) 3" Cal., 12' OA X 4' Spr., 5' C.T., B&B	4	EA	425.00	$ 1,700.00
14	Bald Cypress (Taxodium Distichum) 4" Cal., 16' OA X 5' Spr., 8' C.T., B&B	4	EA	500.00	$ 2,000.00
15	Beauty Leaf (Calophyllum Brasiliense) 2.5-3" Cal., 12' OA X 5' Spr., 4'-5' C.T., B&B	4	EA	550.00	$ 2,200.00
16	Beauty Leaf (Calophyllum Brasiliense) 3-4" Cal., 14' OA X 5' Spr., 5' -6' C.T., B&B	4	EA	725.00	$ 2,900.00
17	Beauty Leaf (Calophyllum Brasiliense) 4-5" Cal., 16' OA X 6' Spr., 8' C.T., B&B	4	EA	1,200.00	$ 4,800.00
18	Black Olive (Shady Lady-Bucida Buceras) 3" Cal., 14' OA X 5' Spr.,6' C.T., B&B	3	EA	500.00	$ 1,500.00
19	Black Olive (Shady Lady- Bucida Buceras) 4" Cal., 16' OA X 8' Spr., 6'-8' C.T., B&B	4	EA	550.00	$ 2,200.00
20	Cabbage Palm (Sabal Palmetto) >12" Cal.,10' C.T., Hurricane Cut , No Boots, B&B	30	EA	300.00	$ 9,000.00
21	Cabbage Palm (Sabal Palmetto) >12" Cal., 14' C.T., Hurricane Cut, No Boots B&B	30	EA	300.00	$ 9,000.00
22	Cabbage Palm (Sabal Palmetto) >12" Cal., 16' C.T., Hurricane Cut, No Boots, B&B	25	EA	300.00	$ 7,500.00
23	Cabbage Palm (Sabal Palmetto) >12" Cal., 18' C.T., Hurricane Cut, No Boots, B&B	20	EA	300.00	$ 6,000.00
24	Cabbage Palm (Sabal Palmetto) >12" Cal. Min., 10' C.T., Hurricane Cut, Booted, B&B,	30	EA	320.00	$ 9,600.00
25	Cabbage Palm (Sabal Palmetto) >12" Cal. Min., 14' C.T., Hurricane Cut, Booted, B&B	30	EA	320.00	$ 9,600.00
26	Cabbage Palm (Sabal Palmetto) >12" Cal. Min., 16' C.T., Hurricane Cut, Booted, B&B	25	EA	320.00	$ 8,000.00
27	Cabbage Palm (Sabal Palmetto) >12" Cal. Min., 18' C.T., Hurricane Cut, Booted, B&B	20	EA	320.00	$ 6,400.00
28	Chinese Fan Palm (Livistonia Chinesis) 12-16" Cal. Min., 10'OA, Dense Canopy, B&B	2	EA	450.00	$ 900.00
29	Chinese Fan Palm (Livistonia Chinesis) 12 -16" Cal. Min., 12' OA, Dense Canopy, B&B	6	EA	500.00	$ 3,000.00
30	Chinese Fan Palm (Livistonia Chinesis) 12"-16 Cal. Min., 14' OA, Dense Canopy, B&B	6	EA	600.00	$ 3,600.00
31	Chinese Fan Palm (Livistonia Chinesis) 12-16" Cal. Min., 16' OA, Dense Canopy, B&B	6	EA	650.00	$ 3,900.00
32	Coconut Palm (Cocos Nucifera "Maypan") 10" Cal Min., 6' G.W., B&B	6	EA	800.00	$ 4,800.00
33	Coconut Palm (Cocos Nucifera "Maypan") 10" Cal. Min, 8' G.W., B&B	6	EA	900.00	$ 5,400.00
34	Coconut Palm (Cocos Nucifera "Maypan") 10" Cal. Min., 10' G.W., B&B	6	EA	1,050.00	$ 6,300.00
35	Coconut Palm (Cocos Nucifera "Maypan") 12" Cal. Min., 12' G.W., B&B	5	EA	1,150.00	$ 5,750.00
36	Crape Myrtle (Lagerstroemia Indica) 2.5" Cal., 12' OA X 4' Spr., 5' C.T., B&B, Std.	6	EA	625.00	$ 3,750.00
37	Crape Myrtle (Lagerstroemia Indica) 3" Cal., 14' OA X 6' Spr., 5' C.T., B&B, Std.	6	EA	775.00	$ 4,650.00
38	Crape Myrtle (Lagerstroemia Indica) 2.5" Cal., 12' OA X 4' Spr., 5' C.T., B&B, Multi Stem, Min. 4-5	6	EA	575.00	$ 3,450.00
39	Crape Myrtle (Lagerstroemia Indica) 3" Cal., 14' OA X 6' Spr., 5' C.T., B&B, Multi Stem, Min. 4-5	6	EA	725.00	$ 4,350.00
40	Dahoon Holly (Ilex Cassine) 2" Cal., 10' OA X 3' Spr., 4' C.T., B&B	6	EA	350.00	$ 2,100.00
41	Dahoon Holly (Ilex Cassine) 2.5" - 3" Cal., 12' OA X 3.5 -4' Spr., 5' C.T., B&B	5	EA	625.00	$ 3,125.00

BID PROPOSAL

ANNUAL ROADWAY LANDSCAPING

CONTRACT

PBC PROJECT #2020053

ITEM #	ITEM DESCRIPTION	QTY	UNITS	UNIT PRICE	AMOUNT
42	Dahoon Holly (Ilex Cassine) 3.5" Cal., 14' OA X 4-5' Spr., 5' C.T., B&B	5	EA	950.00	$ 4,750.00
43	Dahoon Nativa (Ilex Nativa) 2" Cal., 10' OA X 3' Spr., 4' C.T., 45 Gal Cont.	5	EA	550.00	$ 2,750.00
44	Dahoon Nativa (Ilex Nativa) 2.5" Cal., 12' OA X 4' Spr., 6' C.T., 45 Gal Cont.	5	EA	875.00	$ 4,375.00
45	East Palatka Holly (Ilex X Attenuata) 3" Cal., 14' OA X 4-5' Spr., 6' C.T., B&B	5	EA	950.00	$ 4,750.00
46	East Palatka Holly (Ilex X Attenuata) 3.5"-4" Cal., 16' OA X 5-6' Spr., 7' C.T., B&B	5	EA	1,100.00	$ 5,500.00
47	East Palatka Holly (Ilex X Attenuata) 4.5"-5" Cal., 18' OA X 6-8' Spr., 8' C.T., B&B	5	EA	1,250.00	$ 6,250.00
48	Drake Elm (Ulmus Parvifolia "Drake) 3.5" Cal., 14' OA X 6' Spr., 8' C.T., B&B	4	EA	1,000.00	$ 4,000.00
49	Drake Elm (Ulmus Parvifolia "Drake) 4"- 4.5" Cal., 16' OA X 8' Spr., 8½' C.T., B&B	4	EA	1,100.00	$ 4,400.00
50	Foxtail Palm (Wodyetia Bifurcata) 8" Cal. Min., 6' GW, Dense Canopy, B&B	4	EA	700.00	$ 2,800.00
51	Foxtail Palm (Wodyetia Bifurcata) 8" Cal. Min., 8' GW, Dense Canopy, B&B	4	EA	775.00	$ 3,100.00
52	Foxtail Palm (Wodyetia Bifurcata) 10" Cal. Min., 10' GW, Dense Canopy, B&B	4	EA	850.00	$ 3,400.00
53	Geiger (Cordia Sebestena) 1" Cal, 8' OA X 1.5' Spr., B&B	4	EA	300.00	$ 1,200.00
54	Geiger (Cordia Sebestena) 1½" Cal., 10' OA X 2.5' Spr., B&B	4	EA	400.00	$ 1,600.00
55	Glaucous Cassia (Senna Surattensis) 2.5" Cal., 12' OA X 4' Spr., 5' C.T., B&B	15	EA	600.00	$ 9,000.00
56	Green Buttonwood (Conocarpus Erectus) 2" Cal., 10' OA X 3-4' Spr., 4' C.T., B&B	15	EA	300.00	$ 4,500.00
57	Green Buttonwood (Conocarpus Erectus) 2.5" Cal., 12' OA X 4-5' Spr., 5' C.T., B&B	15	EA	625.00	$ 9,375.00
58	Green Buttonwood (Conocarpus Erectus) 3" Cal., 14' OA X 6 -7' Spr. ,6' C.T., B&B	15	EA	875.00	$ 13,125.00
59	Green Buttonwood (Conocarpus Erectus) 4" Cal., 16' OA X 7-8' Spr., 8' C.T., B&B	15	EA	1,250.00	$ 18,750.00
60	Green Buttonwood (Conocarpus Erectus) 4.5" Cal., 20' OA X 8-10' Spr., 9' C.T., B&B	15	EA	2,100.00	$ 31,500.00
61	Gumbo Limbo (Bursera Simaruba) 3" Cal., 12' OA X 4' Spr., 5' C.T., B&B	5	EA	600.00	$ 3,000.00
62	Gumbo Limbo (Bursera Simaruba) 5" Cal., 18'OA X 6-7' Spr., 8' C.T., B&B	5	EA	1,750.00	$ 8,750.00
63	Japanese Blueberry (Elaeocarpus Decipiens) 2.5" Cal., 10' OA X 3' Spr., 45 Gal. Std, 5' ct.	4	EA	650.00	$ 2,600.00
64	Japanese Blueberry (Elaeocarpus Decipiens) 3" Cal., 12' OA X 4' Spr., 65 Gal Std. 5' ct.	4	EA	800.00	$ 3,200.00
65	Jathropia, Standard, 4-5' OA, 25 Gal. Cont.	5	EA	200.00	$ 1,000.00
66	Jathropia, Standard, 6-7' OA, 45 Gal Cont./B&B	5	EA	325.00	$ 1,625.00
67	Jathropia, Multi-Stem, 6' Oa. Min., 45 Gal. Container/B&B	4	EA	320.00	$ 1,280.00
68	Kopsia (Ochrosia Eliptica) ¾" Cal., 3-4' OA X 2-3' Spr., 2' C.T., 15 Gal. Cont.	4	EA	300.00	$ 1,200.00
69	Kopsia (Ochrosia Eliptica) 1" Cal., 5-6' OA X 3-4' Spr., 3' C.T., 25 Gal. Cont.	4	EA	400.00	$ 1,600.00
70	Laurel Oak (Quercus Laurifolia) 3" Cal. Min., 14' OA X 4½' Spr. Min., 6' C.T., B&B	6	EA	850.00	$ 5,100.00
71	Laurel Oak (Quercus Laurifolia) 3.5"-4" Cal. Min., 16' OA X 5' Spr. Min., 8' C.T., B&B	6	EA	1,250.00	$ 7,500.00
72	Laurel Oak (Quercus Laurifolia) 5"-6" Cal. Min., 18' OA X 5.5' Spr., 8' C.T., B&B	6	EA	1,650.00	$ 9,900.00
73	Laurel Oak (Quercus Laurifolia) 6"- 8" Cal. Min., 20' OA X 6' Spr., 9' C.T., B&B	6	EA	2,750.00	$ 16,500.00
74	Ligustrum (Ligustrum Japonicum) 8' hgt. x 8' spd. Multi Stem, Min 4-5 stems, B&B	10	EA	850.00	$ 8,500.00
75	Ligustrum (Ligustrum Japonicum) 10 Hgt. x 10' Spd.' Multi Stem, 5' Ct. Min.4-5 stems B&B	10	EA	1,200.00	$ 12,000.00
76	Live Oak (Quercus Virginiana) 3" Cal. Min., 14' OA X 4.5'-5' Spr., 6' C.T., B&B	5	EA	900.00	$ 4,500.00
77	Live Oak (Quercus Virginiana) 3.5" Cal., Min., 16' OA X 5'-6' Spr., 8' C.T., B&B	5	EA	1,300.00	$ 6,500.00
78	Live Oak (Quercus Virginiana) 4.5" Cal. Min., 18' OA X 6-7" Spr., 8' C.T., B&B	5	EA	1,700.00	$ 8,500.00
79	Live Oak (Quercus Virginiana) 6" Cal. Min., 20' OA X 6' Spr., 9' C.T., B&B	5	EA	2,750.00	$ 13,750.00
80	Madagascar Olive (Noronhia Emarginata) 1" Cal. Min., 8' OA X 4' Spr., 3' C.T., B&B	5	EA	300.00	$ 1,500.00
81	Madagascar Olive (Noronhia Emarginata) 2" Cal. Min., 10' OA X 5' Spr., 4' C.T., B&B	5	EA	450.00	$ 2,250.00
82	Madagascar Olive (Noronhia Emarginata) 2.5" Cal. Min., 12' OA X 5" Spr., 5' C.T., B&B	5	EA	700.00	$ 3,500.00
83	Mahogany (Swietenia Mahogani) 4" Cal. Min., 16' OA X 8'-10' Spr., 8' C.T., B&B	5	EA	1,450.00	$ 7,250.00
84	Mahogany (Swietenia Mahogani) 4.5" Cal. Min., 18' OA X 8' - 10' Spr., 8' C.T., B&B	5	EA	2,125.00	$ 10,625.00
85	Montgomery Palm (Veitchia Montgomeryana) 8-10" Cal. Min., 12-14' OA, Sgl Stem, B&B	5	EA	600.00	$ 3,000.00

BID PROPOSAL

ANNUAL ROADWAY LANDSCAPING

CONTRACT

PBC PROJECT #2020053

ITEM #	ITEM DESCRIPTION	QTY	UNITS	UNIT PRICE	AMOUNT
86	Montgomery Palm (Veitchia Montgomeryana) 8-10" Cal. Min., 14-16' OA, Dbl Stem, B&B	5	EA	700.00	$ 3,500.00
87	Montgomery Palm (Veitchia Montgomeryana) 8-10" Cal. Min., 16-18' OA, Tpl. Stem, B&B	5	EA	800.00	$ 4,000.00
88	Oleander (Nerium Oleander) Standard, 1¼" Cal., 8' OA X 2.5' Spr., 3' C.T., B&B	10	EA	250.00	$ 2,500.00
89	Oleander (Nerium Oleander) Standard, 2" Cal., 10' OA X 3.5' Spr., 4' C.T., 25 Gal Cont. or B&B	10	EA	400.00	$ 4,000.00
90	Oleander (Nerium Oleander) Standard, 2.5" Cal., 12' OA X 4' Spr., 5' C.T., 65 Gal Cont. or B&B	10	EA	550.00	$ 5,500.00
91	Orchid Tree (Bauhinia Blakeana) 2½" Cal., 14' OA X 4½' Spr., 6' C.T., B&B	5	EA	550.00	$ 2,750.00
92	Paurotis Palm (Acoelrrhaphe Wrightii) 10-12' OA X 6' SPR, Min. 6-7 Main Trunks, Dense Canopy, B&B	10	EA	1,050.00	$ 10,500.00
93	Paurotis Palm (Acoelrrhaphe Wrightii) 14-16' OA X 7' SPR, Min. 8-10 Main Trunks, Dense Canopy, B&B	10	EA	1,200.00	$ 12,000.00
94	Pigeon Plum (Coccoloba Diversifolia) 2" Cal., 10' - 12' OA X 3.5' Spr., 4' C.T., B&B	10	EA	400.00	$ 4,000.00
95	Pigeon Plum (Coccoloba Diversifolia) 2½" Cal., 12' - 14' OA X 4' Spr., 5' C.T., B&B	10	EA	600.00	$ 6,000.00
96	Pitch Apple (Clusia Rosea) 2" Cal., 8-10' OA X 4-5' Spr., 3-4' C.T., 45 Gal.Cont.	10	EA	450.00	$ 4,500.00
97	Pitch Apple (Clusia Rosea) 2.5" Cal., 12-14' OA X 4-5' Spr., 4-5' C.T., B&B	10	EA	1,000.00	$ 10,000.00
98	Pond Apple (Annona glabra) 2" Cal; 6-7' OA, 3' C.T. 25 Gal.	10	EA	300.00	$ 3,000.00
99	Pond Apple (Annona glabra) 2.5" Cal; 8-10' OA, 3-4' C.T. B&B	10	EA	350.00	$ 3,500.00
100	Pygmy Date Palm (Phoenix Roebelenii) 5-6' OA , Sgl., B&B	5	EA	225.00	$ 1,125.00
101	Pygmy Date Palm (Phoenix Roebelenii) 5-6' OA , Dbl., B&B, Matched Stems	5	EA	275.00	$ 1,375.00
102	Pygmy Date Palm (Phoenix Roebelenii) 6-8' OA , Tpl. B&B, Matched Stems	5	EA	325.00	$ 1,625.00
103	Redbay (Persea Borbonia) 2" Cal., 8-10' OA X 4' Spr., 3-4' C.T., 45 gal. Cont.	10	EA	550.00	$ 5,500.00
104	Red Maple (Acer Rubrum) 2.5-3" Cal., 12' OA X 4-5' Spr., 4-5' C.T., 65gal. Cont./B&B	10	EA	550.00	$ 5,500.00
105	Red Maple (Acer Rubrum) 3" Cal., 14' OA X 5' Spr., 6' C.T., B&B	10	EA	600.00	$ 6,000.00
106	Red Maple (Acer Rubrum) 3.5 -4" Cal., 16' OA X 6' Spr., 6' C.T., B&B	10	EA	900.00	$ 9,000.00
107	Red Maple (Acer Rubrum) 4" Cal.,18' OA X 8' Spr., 8' C.T., B&B	10	EA	1,250.00	$ 12,500.00
108	Royal Palm (Roystonea Elata) 24" Cal. Min., 10' G.W., Dense Canopy, B&B	4	EA	2,000.00	$ 8,000.00
109	Royal Palm (Roystonea Elata) 30" Cal. Min., 12' G.W., Dense Canopy, B&B	4	EA	2,500.00	$ 10,000.00
110	Sea Grape (Coccoloba Uvifera) 1½" Cal., 6-8' OA , Bush, 45 Gal. Container,	5	EA	180.00	$ 900.00
111	Sea Grape (Coccoloba Uvifera) 2½" Cal., 10'-12 OA , Bush, B&B	5	EA	400.00	$ 2,000.00
112	Silver Buttonwood (Conocarpus Erectus Sericeus) 2" Cal., 10' OA X 3.5' Spr., 4' C.T., 45 gal. Cont	10	EA	450.00	$ 4,500.00
113	Silver Buttonwood (Conocarpus Erectus Sericeus) 2-2.5" Cal., 12' OA X 4' Spr., 6' C.T., B&B or 65 GAL. Cont.	10	EA	700.00	$ 7,000.00
114	Silver Buttonwood (Conocarpus Erectus Sericeus) 2.5-3" Cal., 14' OA X 5' Spr., 8' C.T., B&B	10	EA	1,200.00	$ 12,000.00
115	Simpson's Stopper (Myrclanthes Fragrans) 1" Cal., 6' OA X 14" Spr., 2' C.T., 45 gal Cont.	6	EA	175.00	$ 1,050.00
116	Simpson's Stopper (Myrclanthes Fragrans) 1.5" Cal., 8' OA X 22" Spr., 3' C.T., 65 gal Cont. or B&B	6	EA	350.00	$ 2,100.00
117	Simpson's Stopper (Myrclanthes Fragrans) 2.5" Cal., 10' OA X 3' Spr., 4' C.T., B&B	6	EA	625.00	$ 3,750.00
118	South Florida Slash Pine (Pinus Elliotti 'Densa') 2" Cal., 8' OA X 30" Spr., 2' C.T., 30 Gal. Container	6	EA	325.00	$ 1,950.00
119	South Florida Slash Pine (Pinus Elliotti 'Densa') 2.5" Cal., 10' OA X 3' Spr., 3' C.T., 45 Gal. Container	6	EA	450.00	$ 2,700.00
120	South Florida Slash Pine (Pinus Elliotti 'Densa') 3" Cal., 12' OA X 3' Spr., 4' C.T., 65 Gal. Container	6	EA	550.00	$ 3,300.00
121	South Florida Slash Pine (Pinus Elliotti 'Densa') 4" Cal., 14'-16' OA X 4' Spr., 5' C.T., 65 Gal. Container or B&B	6	EA	650.00	$ 3,900.00
122	Spanish Stopper (Eugenia Foetida) 1" Cal., 6' OA X 2' Spr., 2' C.T., 25 gal Cont.	4	EA	225.00	$ 900.00

BID PROPOSAL

ANNUAL ROADWAY LANDSCAPING

CONTRACT

PBC PROJECT #2020053

ITEM #	ITEM DESCRIPTION	QTY	UNITS	UNIT PRICE	AMOUNT
123	Spanish Stopper (Eugenia Foetida) 1½" Cal., 8' OA X 30" Spr., 3' C.T., B&B	4	EA	325.00	$ 1,300.00
124	Spanish Stopper (Eugenia Foetida) 2½" Cal., 10' OA X 36" Spr., 4' C.T., B&B	4	EA	425.00	$ 1,700.00
125	Thatch Palm (Thrinax Radiata) 4" Cal. Min., 6' OA, Dense Canopy, B&B	6	EA	500.00	$ 3,000.00
126	Thatch Palm (Thrinax Radiata) 4" Cal. Min., 8' OA, Dense Canopy, B&B	6	EA	700.00	$ 4,200.00
127	Thatch Palm (Thrinax Radiata) 3" Cal. Min., 10' OA, Dense Canopy, B&B	6	EA	900.00	$ 5,400.00
128	Thatch Palm (Thrinax Radiata) 4" Cal. Min., 12' OA, Dense Canopy, B&B	6	EA	1,100.00	$ 6,600.00
129	Thatch Palm (Thrinax Radiata) 4" Cal. Min., 14' OA, Dense Canopy, B&B	6	EA	1,300.00	$ 7,800.00
130	Washington Palm (Washingtonia Robusta) 18" Cal. Min., 14' 0A, Dense Canopy, B&B	6	EA	500.00	$ 3,000.00
131	Washington Palm (Washingtonia Robusta) 18" Cal. Min., 16' 0A, Dense Canopy, B&B	6	EA	600.00	$ 3,600.00
132	Washington Palm (Washingtonia Robusta) 24" Cal. Min., 18' 0A, Dense Canopy, B&B	6	EA	700.00	$ 4,200.00
133	Washington Palm (Washingtonia Robusta) 30" Cal. Min., 20' 0A, Dense Canopy, B&B	6	EA	800.00	$ 4,800.00
134	Wax Myrtle (Myrica Cerifera) 1¼" Cal., 8' OA X 4' Spr., 3' C.T., 30 Gal. Container, Multi Stem	5	EA	250.00	$ 1,250.00
135	Wax Myrtle (Myrica Cerifera) 2" Cal., 10' OA X5' Spr., 4' C.T., 45 Gal. Cont. Multi Stem	5	EA	375.00	$ 1,875.00
136	Wax Myrtle (Myrica Cerifera) 2½" Cal., 12' OA X 6' Spr., 5' C.T., B&B, Mult Stem	5	EA	500.00	$ 2,500.00
137	Weeping Fig (Ficus Benjamina) 4-5' Hgt X 30" Spr., 15 Gal. Container	4	EA	150.00	$ 600.00
138	Weeping Fig (Ficus Benjamina) 6'-7' Hgt X 36" spr., 25 Gal. Container	4	EA	275.00	$ 1,100.00
139	Weeping Fig (Ficus Benjamina) 8 Hgt' X 4' Spr, Full to Base, 45 Gal Cont.	4	EA	400.00	$ 1,600.00
140	White Stopper (Eugenia Axcillaris) 1" Cal., 6' OA X 14" Spr., 3' C.T., 25 Gal Cont.	4	EA	325.00	$ 1,300.00
141	White Stopper (Eugenia Axcillaris) 1½" Cal., 8' OA X 30" Spr., 3' C.T., 45 Gal. Cont.	4	EA	425.00	$ 1,700.00
142	White Stopper (Eugenia Axcillaris) 2½" Cal., 10' OA X 34" Spr., 4' C.T., B&B	4	EA	525.00	$ 2,100.00
143	Wild Tamarind (Lysiloma Latisliqua) 3" Cal., 16' OA X 5 Spr., 8' C.T., B&B	10	EA	1,150.00	$ 11,500.00
144	Winin Palm (Veitchia Winin) 8" Cal. Min., 12-14' OA, Dense Canopy, B&B	10	EA	850.00	$ 8,500.00
145	Winin Palm (Veitchia Winin) 10" Cal. Min., 14-16' OA, Dense Canopy, B&B	10	EA	1,000.00	$ 10,000.00
146	White Tabeuia (Tabebuia bahamensis) 2,5" - 3" Cal., 12' OA X 4' Spr., 6' C.T., 45 Gal. Cont./ B&B	10	EA	900.00	$ 9,000.00
147	Yellow Tabeuia (Tabebuia Caraiba) 3½" Cal., 16' OA X 5 Spr., 8' C.T., B&B	10	EA	750.00	$ 7,500.00
148	Verawood (Bulnesia Arborea) 2.5"-3" Cal., 12' OA X 5' Spr., 6' C.T., B&B,	10	EA	825.00	$ 8,250.00
149	Vines: Coral Honeysuckel Vine (Lonicera Sempervirens) 3' OA X 16" Spr., on Trellis, 7 Gal. Container, Native Flower	10	EA	45.00	$ 450.00
150	Vines: Confederate Jasmine (Trachelospermum Jasminoides) 3' OA X 16" Spr., on Trellis, 7 Gal. Container	10	EA	45.00	$ 450.00
151	Vines: Skyblue Cluster Vine(Jacquemontia pentanthos) 3' OA X 16" Spr., on Trellis, 7 Gal. Container, Native Flower	10	EA	50.00	$ 500.00
152	Vines: Flame Vine (Pyrostegia venusta) 3' OA X 16" Spr., on Trellis, 7 Gal. Container	10	EA	50.00	$ 500.00
153	Accent Plants, 1 Gal. Container; See example plant list	250	EA	10.00	$ 2,500.00
154	Accent Plants, 3 Gal. Container, See example plant list	250	EA	30.00	$ 7,500.00
155	Groundcovers, 1 Gal. Container, See example plant list	200	EA	10.00	$ 2,000.00
156	Woody Ornamentals, 3 Gal. Container, See example plant list	200	EA	30.00	$ 6,000.00
157	Woody Ornamentals, 7 Gal. Container, See example plant list	200	EA	65.00	$ 13,000.00
158	Root pruning of Palms, See Specification	25	HR	75.00	$ 1,875.00
159	Root Pruning of Hardwoods, See specification	25	HR	75.00	$ 1,875.00
160	Tree Trimming - Large; Over 18' in height	100	HR	100.00	$ 10,000.00
161	Tree Trimming - Small; 18' or less in height	200	HR	100.00	$ 20,000.00
162	Palm Trimming - Large; Over 18' in height	500	HR	100.00	$ 50,000.00
163	Palm Trimming - Small; 18' or less in height	100	HR	100.00	$ 10,000.00

BID PROPOSAL

ANNUAL ROADWAY LANDSCAPING

CONTRACT

PBC PROJECT #2020053

ITEM #	ITEM DESCRIPTION	QTY	UNITS	UNIT PRICE	AMOUNT
164	Tree Removal - Large; over 40' wide canopy "Include dump Charges"	10	HR	100.00	$ 1,000.00
165	Tree Removal - Medium; 20' - 40' wide canopy "Include dump Charges"	10	HR	100.00	$ 1,000.00
166	Tree Removal - Small; Less than 20' wide canopy "Include dump Charges"	10	HR	100.00	$ 1,000.00
167	Remove Tree (Less Than 12" Caliper) "Include dump Charges"	25	HR	100.00	$ 2,500.00
168	Remove Tree (12" - 24" Caliper) "Include dump Charges"	25	HR	100.00	$ 2,500.00
169	Remove Palm (All Sizes) "Include dump Charges"	25	HR	100.00	$ 2,500.00
170	Stump Removal 12-60" Dia "Include dump Charges"	10	HR	100.00	$ 1,000.00
171	Palm Relocation by 90" Mounted Tree Spade - farther than 5 miles	10	HR	500.00	$ 5,000.00
172	Palm Relocation by 90" Mounted Tree Spade - within 5 miles	10	HR	450.00	$ 4,500.00
173	Palm Relocation by Crane - farther than 5 miles	10	HR	500.00	$ 5,000.00
174	Palm Relocation by Crane - within 5 miles	10	HR	450.00	$ 4,500.00
175	Tree Relocation by 90" Tree Mounted Spade within 5 miles	10	HR	450.00	$ 4,500.00
176	Tree Relocation by 90" Tree Mounted Spade further than 5 miles	10	HR	500.00	$ 5,000.00
177	Tree Relocation by Crane - Farther than 5 miles	10	HR	500.00	$ 5,000.00
178	Tree Relocation by Crane - Within 5 miles	10	HR	450.00	$ 4,500.00
	Furnish and Install Sod:				
179	Site Preparation and Installation of St. Augustine "Floratam" Sod	80,000	SF	0.85	$ 68,000.00
180	Site Preparation and Installation of Bahia "Argentine" Sod	12,000	SF	0.60	$ 7,200.00
181	Site Preparation and Installation of Bahia "Argentine" Seed	11,000	SY	1.00	$ 11,000.00
182	Furnish and Install Topsoil	275	CY	50.00	$ 13,750.00
183	Furnish and Install #2 Fill Soil	275	CY	50.00	$ 13,750.00
184	Furnish and Install Mulch -Bulk	275	CY	50.00	$ 13,750.00
185	Furnish and Install Mulch - 3 Cu. Ft. Bag	275	BAG	4.00	$ 1,100.00
186	Furnish and Apply Fertilizer - Irrigated Sod	5	BAG	50.00	$ 250.00
187	Furnish and Apply Fertilizer - un-Irrigated Sod	5	BAG	50.00	$ 250.00
188	Furnish and Apply Weed & Feed Fertilizer - Irrigated Sod	5	BAG	60.00	$ 300.00
189	Furnish and Apply Weed & Feed Fertilizer - un-Irrigated Sod	5	BAG	60.00	$ 300.00
190	Furnish and Install Rigid Root Barrier	275	LF	45.00	$ 12,375.00
191	Furnish and Install Flexible Root Barrier	275	LF	55.00	$ 15,125.00
192	Excavation of Existing/Dead Material (incl. Removal/Disposal)	10	HR	100.00	$ 1,000.00
193	50/50 Backfill (Furnish and Install)	10	CY	60.00	$ 600.00
194	Painting of Three (3) Vertical Stake System (as Specified)	150	EA	60.00	$ 9,000.00
195	Painting of Four (4) Vertical Stake System (as Specified)	75	EA	80.00	$ 6,000.00
196	Painting of Four (4) Brace System (as Specified)	175	EA	80.00	$ 14,000.00
197	Re-Staking of Three (3) Vertical Stake System (per Stake)	10	EA	100.00	$ 1,000.00
198	Re-Staking of Four (4) Vertical Stake System (per Stake)	6	EA	125.00	$ 750.00
199	Re-Staking of Four (4) Brace System (per Stake)	5	EA	150.00	$ 750.00
200	Watering (as Specified)	350	HR	60.00	$ 21,000.00
	Turf Maintenance				
201	Small Machine (Riding or Walk-behind Turf Equipment) Turf Maintenance, Including Mowing, Edging, Trimming, Litter Collection and Disposal	10	AC	250.00	$ 2,500.00
202	Large Machine (i.e. Trackor PTO, or Bellie Tracker) Turf Maintenance, Including Mowing, Edging, Trimming, Litter Collection and Disposal	6	AC	250.00	$ 1,500.00

BID PROPOSAL

ANNUAL ROADWAY LANDSCAPING

CONTRACT

PBC PROJECT #2020053

ITEM #	ITEM DESCRIPTION	QTY	UNITS	UNIT PRICE	AMOUNT
	County Wide Irrigation Products and Services - See Pay Item Footnote #15				
203	2" HDPE Directional Bore Irrigation Sleeve ***(See Pay Item Footnote #15)***	75	LF	30.00	$ 2,250.00
204	2-1/2" HDPE Directional Bore Irrigation Sleeve ***(See Pay Item Footnote #15)***	75	LF	32.00	$ 2,400.00
205	3" HDPE Directional Bore Irrigation Sleeve ***(See pay Item Footnote #15)***	75	LF	40.00	$ 3,000.00
206	4" HDPE Directional Bore Irrigation Sleeve ***(See Pay Item Footnote #15)***	75	LF	45.00	$ 3,375.00
207	6" HDPE Directional Bore Irrigation Sleeve ***(See pay Item Footnote #15)***	75	LF	55.00	$ 4,125.00
208	8" HDPE Directional Bore Irrigation Sleeve ***(See Pay Item Footnote #15)***	75	LF	68.00	$ 5,100.00
209	10" HDPE Directional Bore Irrigation Sleeve ***(See Pay Item Footnote #15)***	75	LF	80.00	$ 6,000.00
	Furnish and Install Scheule 40 Irrigation Lines (Complete) - See Pay Item Footnote #16				
210	3/4" PVC ***(See Pay Item Footnote #16)***	100	LF	1.75	$ 175.00
211	1" PVC **(See Pay Item Footnote #16)**	650	LF	2.25	$ 1,462.50
212	1¼" PVC ***(See Pay Item Footnote #16)***	275	LF	2.75	$ 756.25
213	1½" PVC ***(See Pay Item Footnote #16)***	275	LF	3.00	$ 825.00
214	2" PVC ***(See Pay Item Footnote #16)***	275	LF	3.25	$ 893.75
215	2-1/2" PVC ***(See Pay Item Footnote #16)***	75	LF	4.00	$ 300.00
	Furnish and Install Schedule 40 "Purple" Re-Use Irrigation Lines (Complete) - See Pay Item Footnote #16				
216	3/4" PVC ***(See Pay Item Footnote #16)***	250	LF	1.80	$ 450.00
217	1" PVC ***(See Pay Item Footnote #16)***	625	LF	2.30	$ 1,437.50
218	1¼" PVC ***(See Pay Item Footnote #16)***	215	LF	2.80	$ 602.00
219	1½" PVC ***(See Pay Item Footnote #16)***	215	LF	3.05	$ 655.75
220	2" PVC ***(See Pay Item Footnote #16)***	215	LF	3.30	$ 709.50
221	2-1/2" PVC ***(See Pay Item Footnote #16)***	80	LF	4.05	$ 324.00
	Furnish and Install Class 200 Irrigation Lines (Complete) - See Pay Item Footnote #17				
222	2½" O-Ring PVC Main w/Restraints - *(See TSP's, SP's, and GP's for Installation)* ***(See Pay Item Footnote #17)***	100	LF	6.00	$ 600.00
223	3" O-Ring PVC Main W/Restraints - *(See TSP's, SP's, and GP's for Installation)* ***(See Pay Item Footnote #17)***	100	LF	7.50	$ 750.00
224	4" O-Ring PVC Main W/Restraints - *(See TSP's, SP's, and GP's for Installation)* ***(See Pay Item Footnote #17)***	100	LF	9.00	$ 900.00
225	6" O-Ring PVC Main W/Restraints - *(See TSP's, SP's, and GP's for Installation)* ***(See Pay Item Footnote #17)***	100	LF	18.00	$ 1,800.00
	Furnish and Install HDPE Irrigation Lines (Complete) - See Pay Item Footnotes #18 & 19				
226	1" HDPE PVC (Provide transition fittings to PVC) ***(See Pay Item Footnote #18)***	75	LF	10.00	$ 750.00
227	2" HDPE PVC (Provide transition fittings to PVC) ***(See Pay Item Footnote #18)***	75	LF	16.50	$ 1,237.50
228	2-1/2" HDPE PVC (Provide transition fittings to PVC) ***(See Pay Item Footnote #18)***	75	LF	18.00	$ 1,350.00
229	3" HDPE PVC (Provide transition fittings to PVC) ***(See Pay Item Footnote #18)***	115	LF	20.00	$ 2,300.00
230	4" HDPE PVC (Provide transition fittings to PVC) ***(See Pay Item Footnote #18)***	115	LF	24.00	$ 2,760.00
231	6" HDPE PVC (Provide transition fittings to PVC) ***(See Pay Item Footnote #18)***	115	LF	32.00	$ 3,680.00
232	Provide Connection to Existing Irrigation System ***(See Pay Item Footnote #19)***	2	LF	1,500.00	$ 3,000.00
233	Provide Connection to Ex. Potable Water Line ***(See Pay Item Footnote #19)***	3	LF	2,000.00	$ 6,000.00
234	Provide Connection to Exist. Re-Use Water Line ***(See Pay Item Footnote #19)***	2	LF	2,000.00	$ 4,000.00

BID PROPOSAL

ANNUAL ROADWAY LANDSCAPING

CONTRACT

PBC PROJECT #2020053

ITEM #	ITEM DESCRIPTION	QTY	UNITS	UNIT PRICE	AMOUNT
	Furnish and Install Pump and Complete Pump Station - See Pay Item Footnotes #20, 21 & 32				
235	Furnish & Install 2 HP Centrifugal Pump and Complete Pump Station For Obtaining Water from an Adjacent Water Body ***(See Pay Item Footnotes #20 & 32)***	2	EA	8,600.00	$ 17,200.00
236	Furnish & Install 3 HP Centrifugal Pump and Complete Pump Station For Obtaining Water from an Adjacent Water Body ***(See Pay Item Footnotes #20 & 32)***	1	EA	10,100.00	$ 10,100.00
237	Furnish & Install 5 HP Centrifugal Pump and Complete Pump Station For Obtaining Water from an Adjacent Water Body ***(See Pay Item Footnotes #20 & 32)***	1	EA	13,100.00	$ 13,100.00
238	Furnish & Install 7½ HP Centrifugal Pump and Complete Pump Station For Obtaining Water from an Adjacent Water Body ***(See Pay Item Footnotes #20 & 32)***	1	EA	19,100.00	$ 19,100.00
239	Furnish & Install 10 HP Centrifugal Pump and Complete Pump Station For Obtaining Water from an Adjacent Water Body ***(See Pay Item Footnotes #20 & 32)***	1	EA	25,100.00	$ 25,100.00
240	Furnish & Install 2 HP Centrifugal Pump and Complete Pump Station For Obtaining Water from Well ***(See Pay Item Footnotes #21 & 32)***	2	EA	22,600.00	$ 45,200.00
241	Furnish & Install 3 HP Centrifugal Pump and Complete Pump Station For Obtaining Water from Well ***(See Pay Item Footnotes #21 & 32)***	1	EA	23,900.00	$ 23,900.00
242	Furnish & Install 5 HP Centrifugal Pump and Complete Pump Station For Obtaining Water from Well ***(See Pay Item Footnotes #21 & 32)***	1	EA	26,600.00	$ 26,600.00
243	Furnish & Install 7½ HP Centrifugal Pump and Complete Pump Station For Obtaining Water from Well ***(See Pay Item Footnotes #21 & 32)***	1	EA	32,400.00	$ 32,400.00
244	Furnish & Install 10 HP Centrifugal Pump and Complete Pump Station For Obtaining Water from Well ***(See Pay Item Footnotes #21 & 32)***	1	EA	38,100.00	$ 38,100.00
245	Furnish & Install 2 HP Submersible Pump and Complete Pump Station For Obtaining Water from Well ***(See Pay Item Footnotes #21 & 32)***	2	EA	23,100.00	$ 46,200.00
246	Furnish & Install 3 HP Submersible Pump and Complete Pump Station For Obtaining Water from Well ***(See Pay Item Footnotes #21 & 32)***	1	EA	24,100.00	$ 24,100.00
247	Furnish & Install 5 HP Submersible Pump and Complete Pump Station For Obtaining Water from Well ***(See Pay Item Footnotes #21 & 32)***	1	EA	31,000.00	$ 31,000.00
248	Furnish & Install 7½ HP Submersible Pump and Complete Pump Station For Obtaining Water from Well ***(See Pay Item Footnotes #21 & 32)***	1	EA	34,100.00	$ 34,100.00
	Furnish and Install Pump and Complete Pump Station without vaults - See Pay Item Footnotes #20 & 21 &32				
249	Furnish & Install 2 HP Centrifugal Pump and Complete Pump Station For Obtaining Water from an Adjacent Water Body ***(See Pay Item Footnote #20 & 32)***	2	EA	8,600.00	$ 17,200.00
250	Furnish & Install 3 HP Centrifugal Pump and Complete Pump Station For Obtaining Water from an Adjacent Water Body ***(See Pay Item Footnote #20 & 32)***	1	EA	10,100.00	$ 10,100.00
251	Furnish & Install 5 HP Centrifugal Pump and Complete Pump Station For Obtaining Water from an Adjacent Water Body ***(See Pay Item Footnote #20 & 32)***	1	EA	13,100.00	$ 13,100.00
252	Furnish & Install 7½ HP Centrifugal Pump and Complete Pump Station For Obtaining Water from an Adjacent Water Body ***(See Pay Item Footnote #20 & 32)***	1	EA	19,100.00	$ 19,100.00
253	Furnish & Install 10 HP Centrifugal Pump and Complete Pump Station For Obtaining Water from an Adjacent Water Body ***(See Pay Item Footnote #20 &32)***	1	EA	25,100.00	$ 25,100.00
254	Furnish & Install 2 HP Centrifugal Pump and Complete Pump Station For Obtaining Water from Well ***(See Pay Item Footnote #21 &32)***	2	EA	17,600.00	$ 35,200.00
255	Furnish & Install 3 HP Centrifugal Pump and Complete Pump Station For Obtaining Water from Well ***(See Pay Item Footnote #21 &32)***	1	EA	18,900.00	$ 18,900.00
256	Furnish & Install 5 HP Centrifugal Pump and Complete Pump Station For Obtaining Water from Well ***(See Pay Item Footnote #21 &32)***	1	EA	21,600.00	$ 21,600.00
257	Furnish & Install 7½ HP Centrifugal Pump and Complete Pump Station For Obtaining Water from Well ***(See Pay Item Footnote #21 &32)***	1	EA	27,400.00	$ 27,400.00
258	Furnish & Install 10 HP Centrifugal Pump and Complete Pump Station For Obtaining Water from Well ***(See Pay Item Footnote #21 &32)***	1	EA	33,100.00	$ 33,100.00
259	Furnish & Install 2 HP Submersible Pump and Complete Pump Station For Obtaining Water from Well ***(See Pay Item Footnote #21 &32)***	2	EA	18,100.00	$ 36,200.00

BID PROPOSAL

ANNUAL ROADWAY LANDSCAPING

CONTRACT

PBC PROJECT #2020053

ITEM #	ITEM DESCRIPTION	QTY	UNITS	UNIT PRICE	AMOUNT
260	Furnish & Install 3 HP Submersible Pump and Complete Pump Station For Obtaining Water from Well ***(See Pay Item Footnote #21 &32)***	1	EA	19,100.00	$ 19,100.00
261	Furnish & Install 5 HP Submersible Pump and Complete Pump Station For Obtaining Water from Well ***(See Pay Item Footnote #21 &32)***	1	EA	26,100.00	$ 26,100.00
262	Furnish & Install 7½ HP Submersible Pump and Complete Pump Station For Obtaining Water from Well ***(See Pay Item Footnote #21 &32)***	1	EA	29,100.00	$ 29,100.00
	Furnish Only - Pump (Delivered as Directed) - See Pay Item Footnote #22				
263	Furnish Only - 2 HP Centrifugal Pump (Delivered as Directed) - Complete ***(See Pay Item Footnote #22)***	1	EA	1,500.00	$ 1,500.00
264	Furnish Only - 3 HP Centrifugal Pump (Delivered as Directed) - Complete ***(See Pay Item Footnote #22)***	1	EA	2,450.00	$ 2,450.00
265	Furnish Only - 5 HP Centrifugal Pump (Delivered as Directed) - Complete ***(See Pay Item Footnote #22)***	1	EA	3,000.00	$ 3,000.00
266	Furnish Only - 71/2 HP Centrifugal Pump (Delivered as Directed) - Complete ***(See Pay Item Footnote #22)***	1	EA	4,400.00	$ 4,400.00
267	Furnish Only - 10 HP Centrifugal Pump (Delivered as Directed) - Complete ***(See Pay Item Footnote #22)***	1	EA	5,500.00	$ 5,500.00
	Miscellanoeus Irrigation Pump and Pump Station Items Furnish and Install - Complete				
268	Concrete Vault, 48" X 48" X 36", with Drainage	2	EA	3,750.00	$ 7,500.00
269	Aluminum Vault Lid	2	EA	1,600.00	$ 3,200.00
270	Pastic Tank, 55 Gal.	2	EA	750.00	$ 1,500.00
271	1/4 HP Sump Pump with Discharge Piping and Pop-up Discharge Blow Off	2	EA	1,200.00	$ 2,400.00
272	Injector Pump	2	EA	900.00	$ 1,800.00
273	Fused Main Disconnect, with Meter - 2 HP Pump Station	1	EA	2,800.00	$ 2,800.00
274	Fused Main Disconnect, with Meter - 3HP Pump Station	1	EA	2,900.00	$ 2,900.00
275	Fused Main Disconnect, with Meter - 5HP Pump Station	1	EA	4,500.00	$ 4,500.00
276	Fused Main Disconnect, with Meter - 7½ HP Pump Station	1	EA	5,500.00	$ 5,500.00
277	Fused Main Disconnect, with Meter - 10 HP Pump Station	1	EA	6,250.00	$ 6,250.00
278	1" Grey PVC Sch 40 - in Addition to 200' Base Length (Installed in Trench) ***(See Pay Item Footnote #25)***	75	LF	2.00	$ 150.00
279	1" Grey PVC Sch 80 - in Addition to 200' Base Length (Installed Above Ground or Under Pavement) ***(See Pay Item Footnote #25)***	70	LF	4.00	$ 280.00
280	1½" Grey PVC Sch 40 - in Addition to 200' Base Length (Installed in Trench) ***(See Pay Item Footnote #25)***	70	LF	4.00	$ 280.00
281	1½" Grey PVC Sch 80 - in Addition to 200' Base Length (Installed Above Ground or Under Pavement) ***(See Pay Item Footnote #25)***	70	LF	8.00	$ 560.00
282	2" Grey PVC Sch 40 - in Addition to 200' Base Length (Installed in Trench) ***(See Pay Item Footnote #25)***	65	LF	6.00	$ 390.00
283	2" Grey PVC Sch 80 - in Addition to 200' Base Length (Installed Above Ground or Under Pavement) ***(See Pay Item Footnote #25)***	65	LF	9.00	$ 585.00
284	#12 THWN Copper Wire Service (Installed in Conduit in Excess of 200' Base Length) ***(See Payitem Footnote #26)***	60	LF	2.25	$ 135.00
285	#10 THWN Copper Wire Service (Installed in Conduit in Excess of 200' Base Length) ***(See Payitem Footnote #26)***	60	LF	3.50	$ 210.00
286	#8 THWN Copper Wire Service (Installed in Conduit in Excess of 200' Base Length) ***(See Payitem Footnote #26)***	60	LF	5.50	$ 330.00
287	#6 THWN Copper Wire Service (Installed in Conduit in Excess of 200' Base Length) ***(See Payitem Footnote #26)***	60	LF	6.50	$ 390.00

BID PROPOSAL

ANNUAL ROADWAY LANDSCAPING

CONTRACT

PBC PROJECT #2020053

ITEM #	ITEM DESCRIPTION	QTY	UNITS	UNIT PRICE	AMOUNT
288	#4 THWN Copper Wire Service (Installed in Conduit in Excess of 200' Base Length) ***(See Payitem Footnote #26)***	60	LF	5.00	$ 300.00
289	#3 THWN Copper Wire Service (Installed in Conduit in Excess of 200' Base Length) ***(See Payitem Footnote #26)***	60	LF	5.25	$ 315.00
290	#2 THWN Copper Wire Service (Installed in Conduit in Excess of 200' Base Length) ***(See Payitem Footnote #26)***	60	LF	7.00	$ 420.00
291	#1 THWN Copper Wire Service (Installed in Conduit in Excess of 200' Base Length) ***(See Payitem Footnote #26)***	60	LF	8.25	$ 495.00
292	#1/0 THWN Copper Wire Service (Installed in Conduit in Excess of 200' Base Length) ***(See Payitem Footnote #26)***	60	LF	10.00	$ 600.00
	Irrigation Well Construction:				
293	4" Open-End Well	2	EA	5,000.00	$ 10,000.00
294	6" Open-End Well	1	EA	8,000.00	$ 8,000.00
295	8" Open-End Well	1	EA	10,200.00	$ 10,200.00
296	Additional Well Depth in Excess of 100' Base Depth for 4" well	10	FT	50.00	$ 500.00
297	Additional Well Depth in Excess of 100' Base Depth for 6" well	10	FT	80.00	$ 800.00
298	Additional Well Depth in Excess of 100' Base Depth for 8" well	10	FT	102.00	$ 1,020.00
	Irrigation Well Refurbishment/Restoration				
299	4" Open-End Well ***(See Pay Item Footnote #27)***	2	EA	3,500.00	$ 7,000.00
300	6" Open-End Well ***(See Pay Item Footnote #27)***	1	EA	4,500.00	$ 4,500.00
301	Irrigation Well Abandonment - All Sizes, All Depths ***(See Pay Item Footnote #28)***	1	EA	2,500.00	$ 2,500.00
	Furnish and Install Irrigation Heads:				
302	6" Pop-up Sprayhead Including Flexible Pipe	65	EA	25.00	$ 1,625.00
303	12" Pop-up Sprayhead Including Flexible Pipe	65	EA	35.00	$ 2,275.00
304	12" Pop-up Sprayhead with Side inlet Body Including Flexible Pipe	65	EA	38.00	$ 2,470.00
305	Turf Rotor Including Swing Joint	65	EA	48.00	$ 3,120.00
306	Flood Bubbler Including Flexible Pipe	65	EA	18.00	$ 1,170.00
	Furnish and Install Isolation Valves:				
307	1" Gate Valve in Traffic Rated Valve Box (Tier 15)	2	EA	380.00	$ 760.00
308	1" Gate Valve in Existing Valve Box	2	EA	120.00	$ 240.00
309	1½" Gate Valve in Traffic Rated Valve Box (Tier 15)	2	EA	480.00	$ 960.00
310	1½" Gate Valve in Existing Valve Box	2	EA	220.00	$ 440.00
311	2" Gate Valve in Traffic Rated Valve Box (Tier 15)	2	EA	520.00	$ 1,040.00
312	2" Gate Valve in Existing Valve Box	2	EA	260.00	$ 520.00
313	2 ½" Gate Valve in Traffic Rated Valve Box (Tier 15)	2	EA	960.00	$ 1,920.00
314	2 ½" Gate Valve in Existing Valve Box	2	EA	700.00	$ 1,400.00
315	Furnish and Install 2" Air Relief Valve in Traffic Rated Valve Box (Tier 15)	2	EA	450.00	$ 900.00
316	Furnish and Install 3/4" Pressure Relief Valve	2	EA	150.00	$ 300.00
317	Furnish and Install 1" Pressure Relief Valve	2	EA	175.00	$ 350.00
	Furnish and Install Flow Sensors:				
318	1½" Sensor in Traffic Rated Valve Box (Tier 15)	2	EA	900.00	$ 1,800.00
319	1½" Sensor in Existing Valve Box	2	EA	700.00	$ 1,400.00
320	2" Sensor in Traffic Rated Valve Box (Tier 15)	2	EA	1,100.00	$ 2,200.00
321	2" Sensor in Existing Valve Box	2	EA	850.00	$ 1,700.00

BID PROPOSAL

ANNUAL ROADWAY LANDSCAPING

CONTRACT

PBC PROJECT #2020053

ITEM #	ITEM DESCRIPTION	QTY	UNITS	UNIT PRICE	AMOUNT
	Furnish and Install Zone Valves:				
322	1" Zone Valve with 1" Gate Valve, Including Valve Box and Piping - Complete ***(See Pay Item Footnote #29)***	2	EA	500.00	$ 1,000.00
323	1½" Zone Valve with 1½" Gate Valve, Including Valve Box and Piping - Complete ***(See Pay Item Footnote #29)***	2	EA	600.00	$ 1,200.00
324	2" Zone Valve with 2" Gate Valve, Including Valve Box and Piping - Complete ***(See Pay Item Footnote #29)***	2	EA	700.00	$ 1,400.00
325	2½" Zone Valve with 2½" Gate Valve, Including Valve Box and Piping - Complete **(See Pay Item Footnote #29)**	2	EA	700.00	$ 1,400.00
326	Brass Hose Bib on Control Valve	2	EA	100.00	$ 200.00
327	Control Wire (Direct Burial) Installed w/Main Line	4,000	LF	0.30	$ 1,200.00
328	Control Wire (Direct Burial) Buried in Its Own Conduit	2,500	LF	2.30	$ 5,750.00
329	Two-Wire Control Wire (Direct Burial) installed w/Main Line	2,500	LF	0.65	$ 1,625.00
330	Two-Wire Control Wire (Buried in Its Own Conduit)	2,500	LF	2.65	$ 6,625.00
331	Two-Wire Control Wire Decoder Unit w/ grounding units	10	EA	200.00	$ 2,000.00
	Furnish and Install Controller and Replacement Valve Boxes				
332	12 Station "Sentinel Field Satellite" Controller with Hydrometer	2	EA	9,620.00	$ 19,240.00
333	24 Station "Sentinel Field Satellite" Controller with Hydrometer	2	EA	10,530.00	$ 21,060.00
334	36 Station "Sentinel Field Satellite" Controller with Hydrometer	1	EA	12,180.00	$ 12,180.00
335	48 Station "Sentinel Field Satellite" Controller with Hydrometer	1	EA	14,100.00	$ 14,100.00
336	12 Station Sentinel Controller Expansion Module	2	EA	750.00	$ 1,500.00
337	Air Card	2	EA	1,275.00	$ 2,550.00
338	Communication Tower	2	EA	3,500.00	$ 7,000.00
339	4 Station Rainbird ESP	2	EA	200.00	$ 400.00
340	6 Station Rainbird ESP	1	EA	300.00	$ 300.00
341	8 Station Rainbird ESP	1	EA	400.00	$ 400.00
342	Surcharge For MOT in FDOT R/W	1	Day	750.00	$ 750.00
343	18" x 18" x 12" Fibercrete Valve Box w/Lid	1	EA	200.00	$ 200.00
344	18" x 24" x 12" Fibercrete Valve Box w/Lid	1	EA	320.00	$ 320.00
345	Tier 15 Traffic Rated Replacement Valve Box w/Lid	1	EA	260.00	$ 260.00
346	Tier 22 Traffic Rated Replacement Valve Box w/Lid	1	EA	320.00	$ 320.00
				TOTAL BID	**$ 2,224,813.75**

THE COUNTY DOES NOT GUARANTEE THE ACCURACY OF THE FORMULAS AND EXTENSIONS USED IN THIS SPREADSHEET.

THE ITEMS AND QUANTITIES ABOVE, SHALL GOVERN OVER THE PLANS.

PAY ITEM FOOTNOTES IN CONSTRUCTION PLANS SHALL ALSO BE INCLUDED IN ITEM UNIT PRICE.

Note #	PAY ITEM FOOTNOTES
1	All costs for **Maintenance of Traffic (MOT) and mobilization** shall be considered incidental to, and shall be included in, unit prices for the pay items.
2	All items shall include cost to furnish, install and guarantee unless otherwise noted.
3	Trunk caliper (diameter) is measured 6 inches from the ground on trees up to and including 4 inches in caliper, and 12 inches above the ground for larger trees. The caliper (diameter) of a palm tree is taken at the widest portion, measured between 1 and 3 feet from the soil line.
4	All B&B to be natural burlap; no synthetic fabric allowed,no nylon allowed, as per specifications.
5	C.T. (Clear Trunk) heights specify required minimum height of bottom of tree foliage (excluding palms) for clear sight & maintenance purposes, not the minimum height of first major branch (as per Florida Grades & Standards definition). As per this alternate definition of C.T., some branches without foliage may be allowed within the required 8.0' or 8.5' clear sight window as specified. No leaf foliage, including palm fronds, may encroach into a required clear sight window.

BID PROPOSAL

ANNUAL ROADWAY LANDSCAPING

CONTRACT

PBC PROJECT #2020053

ITEM #	ITEM DESCRIPTION	QTY	UNITS	UNIT PRICE	AMOUNT
Note #	PAY ITEM FOOTNOTES				
6	All trees & palms shall meet or exceed minimum requirements of "Florida Grade No. 1" as per the current Grades & Standards for Nursery Plants by the Florida Department of Agriculture & Consumer Services.				
7	No more than 2" of soil shall be above the top root of a rootball.				
8	The above plant counts are estimated quantities before the actual design of various pending road projects is completed. Previous typical projects have ranged from 10 to 350 trees.				
9	All costs associated with the performance of work under this contract including but not limited to all materials, labor, & equipment shall be included in the unit bid item cost for each tree.				
10	Tree and Palm Trimming items - Trim to Florida Grades and Standards and ANSI A300 Standards by or under the supervision of an Arborist certified by the International Society of Arboriculture. Shall include MOT and disposal.				
11	Tree, Palm, and Stump Removal Items - Includes stump extraction, disposal and filling of hole to finish grade with suitable fill.				
12	Relocation Items - include filling of holes to finish grade with suitable fill.				
13	The work for tree and palm removal shall include all costs associated with tree removal including MOT (if required), reduction of canopy, felling of trunk, stump removal, debris disposal and backfilling of hole with suitable material to provide a uniform grade.				
14	**Notes On Irrigation:**				
15	Items 203 through 209 - Contractor shall provide all boring logs, boring profiles, GPS per state planar and permits to the County.				
16	Items 210 through 221 - Schedule 80 fittings shall be used.				
17	Items 222 through 225 - Include all ductile iron fittings, thrust blocking, line guard tape and testing.				
18	Items 226 through 231 - Include all transition fittings and all apparatuses that are needed to complete the transition.				
19	Items 232 through 234 - Include all costs associated with plumbing codes compliance and installation of owner provided meter/hydrant as applicable.				
20	Items 235 through 239 and 249 through 253 - Include all costs associated with electrical connection (200' base length), furnish and install primary (with meter) and secondary (with station) fused disconnects, enclosure, intake screen, Hot Stop, pressure/air relief valve in approved valve box, flow meter in approved valve box, Ames Cla-Valve (if applicable), all permits and all items specified in item ISC 2.08 Pump Station and Footnote #32.. Base suction line shall be 200'. Note that the South Florida Water Management District General Water Use Permit will be provided to the Contractor. Irrigation Controller is not included. See Pay Item #340 throgh 349				
21	Items 240 through 248 and Items 254 through 262 - Include all costs associated with electrical connection (200' base length, "Inclusive of 60 L.F.of 4" Directional Bore for Electrical service, if required"),(Additional boring beyond 60 L.F. would be be Itemized as per Pay Item #298) furnish and install primary (with meter) and secondary (with station) fused disconnects, 6" Steel Cased well construction (100' base depth), (Any additional depth beyond base depth, if required, would be Itemized as per Pay Item #305), Hot Stop, pressure/air relief valve in approved valve box or strut mounted (as directed by the Engineer), Ames Cla-Valve, if applicable, flow meter in approved valve box, Ames Cla-Valve (if applicable), all permits and all items specified in item ISC 2.08 Pump Station, Footnote #32 and all permits. Note that the South Florida Water Management District General Water Use Permit will be provided to the Contractor. (Irrigation Controller is not included. See Pay Item #340 through 349).				
22	Items 263 through 267 - Furnish Only - Pump (Delivered) - Each complete unit shall be delivered to Streetscape Field Operations Office.				
23	Streetscape Field Operations Office 2555 Vista Parkway West Palm Beach, FL 33411 Phone: 561-233-3990				
24	Contractor will contact Streetscape Field Operations Office prior to delivery to coordinate delivery times and to confirm that staff will be available to receive the item(s).				
25	Items 278 through 283 - Grey PVC Conduit (Sch 40 and 80) is for conduit Only. Conductors are to be paid under THWN Copper Service.				
26	Items 284 through 292 - THWN Copper Wire Service (Installed in conduit in excess of 200' base length) is for four (4) conductors. Price does not include cost of the conduit. Conduit to be paid under Grey PVC Conduit.				
27	Items 299 through 300. The work for Well Refurbishment/Restoration shall include removal of concrete around the well head, removal of the pump station from the work area, removal of well liner pipe, installation of seat drive shoe with drill rig or installation of additional casing as required. Upon determination of satisfactory performance as specified in the Special Provisions (Section IWC - Irrigation Open End Well Construction Specifications), completion of the task shall include replacement of pump station, priming pump, patching concrete, flushing mainline and demonstrating satisfactory operation.				
28	Item 301 - The work for Well Abandonment shall include removal of the pump station from the work area and delivery to a local location specified by the County, sealing of the well head with concrete, removal of service and filing of necessary permits and reports with jurisdictional agencies with copies of all such documents supplied to the County.				
29	Items 322 through 325 - Shall include installation of a gate valve for maintenance isolation, sized to match the zone control valve, placed upstream at the time of installation of the zone valve in the same single valve box.				

BID PROPOSAL

ANNUAL ROADWAY LANDSCAPING

CONTRACT

PBC PROJECT #2020053

ITEM #	ITEM DESCRIPTION	QTY	UNITS	UNIT PRICE	AMOUNT
Note #	PAY ITEM FOOTNOTES				
30	All electrical service, fuses, motor feeder wire, conduit, etc., required for providing power to the pump station shall comply with the current editions of the National Electric Code, the Florida Building Code and the Palm Beach County Building Code, with all current addenda. Contractor shall be required to acquire all electrical permits and provide all required permit drawings.				
31	Notes On Pumps - both Furnish and Install and Furnish Only.				
32	Items 235 through 239 and 240 through 267 - All pumps shall include the following hardware:				
	2 - 2" galv. unions				
	2 - 2" 90° galv. elbows				
	1 - 2" galv. tee				
	1 - 3/4" galv. tee				
	1 - 3/4"x2" galv. nipple				
	2 - 2"x4" galv. nipple				
	2 - 2"x6" galv. nipple				
	1 - 2"x3/4" galv. Bushing				
	2 - 2"x1½" galv. Bushing				
	1 - 3/4" hose bib				
	1 - hot stop				
	1 - liquid filled pressure gauge, min. 150 psi rated				
	1 - 2" strataflow check valve				
	1 - pressure relief valve. Size shall be 1" (including 1 - 1"x2" galvanized tee) for 2 HP and 3 HP pumps and 1½" (including 1 - 1½"x2" galv. tee) for 5 HP pumps and larger				

CONTRACT

STATE OF FLORIDA)

) ss.

COUNTY OF PALM BEACH) R2020 0749

This Contract, made this ____ day of JUL 0 7 2020, A.D. 20___, by and between PALM BEACH COUNTY, a Political Subdivision of the State of Florida, by and through its Board of County Commissioners (hereinafter "County"), and A Cut Above Landscape & Maintenance, Inc., Florida,and its heirs, executors, administrators and assigns, (hereinafter "Contractor"):

WITNESSETH: The Contractor agrees with the County, for the consideration herein mentioned at its own proper cost and expense to do all the Work and furnish all necessary labor, Materials, Equipment, machinery, tools, apparatus, services, state Workers' Compensation and unemployment compensation taxes incurred in the performance of the Contract, and means of transportation for the complete construction of:

PROJECT NAME: **ANNUAL ROADWAY LANDSCAPING CONTRACT**

PROJECT NO.: **2020053**

IN THE AMOUNTS specified in Work Orders which may be issued by the County. The County is not required to issue any Work Orders hereunder. The total value of Work Orders issued under this Contract shall not exceed **One Million Dollars ($1,000,000.00)**, except as may be increased according to Section 9-11 of the Contract Specifications.

The Contractor further agrees for the consideration herein mentioned to commence Work with adequate forces and Equipment within five (5) Working Days of the Work Order being issued for a specific project and to fully complete all contracted Word under the same in accordance with Contract Documents. After commencement of the Work, the Work Order shall be properly dispatched toward completion, to the satisfaction of the Engineer, and shall be fully complete within the time limit specified in the Work Order. Should the time limit for completion of the Work Order exceed the expiration date of the Contract, the Work Order Work will continue to completion and the Contractor shall ensure that Bonding and Insurance coverage do not expire until all Work Orders issued prior to the expiration of this Contract are complete and accepted. It is understood and agreed that the time limit for completion of said Work is the essence of the Contract. If Contractor fails to complete the Work within the time limit, it is agreed that for such Calendar Day that any Work provided for in these Contract Documents remain incomplete after the time limit has expired, including any official extension of the time limit, the sum per day given in the contained schedules shall be deducted from monies due the Contractor, not as a penalty, but as liquidated damages and added expense for supervision.

CONTRACT

The Contractor shall take into account all contingent Work which has to be done by other parties arising from any cause whatsoever, and shall not plead its want of knowledge of such contingent Work as an excuse for Delay in a Contractor's Work, or for its non-performance.

IN WITNESS WHEREOF, the Parties have caused this Contract for Annual Roadway Landscaping Contract, Project No. 2020053 to be executed and sealed the day and year first written above.

ATTEST:

R2020 0749 JUL 07 2020

SHARON R. BOCK,
Clerk & Comptroller

PALM BEACH COUNTY, FLORIDA, a
Political Subdivision of the
State of Florida

BOARD OF COUNTY COMMISSIONERS

By: _____
Deputy Clerk

By: _____
Dave Kerner, Mayor

_____
APPROVED AS TO FORM
AND LEGAL SUFFICIENCY

_____
APPROVED AS TO TERMS
AND CONDITIONS

_____
(witness signature)

A Cut Above Landscape & Maintenance, Inc.
(Corporate Name)

_____
(witness name printed)

a Florida corporation
(insert state of incorporation)

_____
(witness signature)

By: _____
(signature)

_____
(witness name printed)

Damon Rockett
(print signatory's name)

Its President
(print title)

4/21/2020
(date)

(Corporate Seal)

SUBMITTALS REQUESTED WITH BID

At a minimum, submit one original package containing the following:
(see contract documents to determine of other requirements apply)

- ✓ EBO Schedules 1 & 2 (pages EBO-1, EBO-2)
- ✓ All Proposal Pages (P Pages)
- ✓ Signed Contractor's Certification (Last P Page)
- ✓ Signed/Sealed Local Preference (Page LP-2)
  with Copy of Bidder's Palm Beach County Tax Receipt (If Eligible)
- ✓ Signed/Sealed Living Wage (Pages LW-2, LW-3, LW-4)
- ✓ Scrutinized Companies (Page SC-1)
- ✓ Acknowledged/Sealed Bid Bond and Bid Bond forms pages BB-1 and BB-2
- ✓ Certificate of Resolution (Page CC-1)
- ✓ Copy of Firm's Active License to Conduct Business in the State of Florida
- ✓ FDOT Pre-qualification Letter or Similar Project Experience
  (see General Provisions Section 2-1)

EBO FORMS

OEBO SCHEDULE 1

LIST OF PROPOSED CONTRACTOR/CONSULTANT AND SUBCONTRACTOR/SUBCONSULTANT PARTICIPATION

SOLICITATION/PROJECT/BID NAME: Annual Roadway Landscape Contract
SOLICITATION/PROJECT/BID No.: 2020053
NAME OF PRIME RESPONDENT/BIDDER: A Cut Above Landscape & Maintenance, Inc.
ADDRESS: 1686 D Road Loxahatchee, Fl 33470
CONTACT PERSON: Eneyda Gomez
PHONE NO.: 561-795-1995 E-MAIL: eneyda@acalandscape.net
SOLICITATION OPENING/SUBMITTAL DATE: 02/18/2020
DEPARTMENT: Landscape & Irrigation

PLEASE LIST THE DOLLAR AMOUNT OR PERCENTAGE OF WORK TO BE COMPLETED BY THE PRIME CONTRACTOR/CONSULTANT ON THIS PROJECT. PLEASE ALSO LIST THE DOLLAR AMOUNT OR PERCENTAGE OF WORK TO BE COMPLETED BY ALL SUBCONTRACTORS/SUBCONSULTANTS ON THE PROJECT.

	Name, Address and Phone Number	(Check all Applicable Categories) Non-SBE	M/WBE Minority/Women Business	SBE Small Business	DOLLAR AMOUNT OR PERCENTAGE OF WORK Black	Hispanic	Women	Caucasian	Other (Please Specify)
1.	A Cut Above Landscape & Maintenance, Inc. 1686 D Road Loxahatchee, Fl 33470 561-795-1995	☐	☐	☒				86.3%	
2.	Wooster Well Drilling 8936 112th Terrace North, Palm Beach Gardens, FL 33412 561-775-9855	☒	☐	☐				4.8%	
3.	Advanced Boring, Inc. 290 Truck & Trailer Way West Palm Beach, FL 33413 561-791-2590	☒	☐	☐				3.7%	
4.	Gerhold Electric Inc. 10036 NW 46th St Sunrise, FL 33351	☒	☐	☐				5.2%	
5.		☐	☐	☐					
	Total							100%	

(Please use additional sheets if necessary)

Total Bid Price $ $2,224,813.75

Total SBE - M/WBE Participation 1,920,014.27

I hereby certify that the above information is accurate to the best of my knowledge: _____ Signature

President Title

Note:
1. The amount listed on this form for a Subcontractor/subconsultant must be supported by price or percentage listed on the properly executed Schedule 2 or attached signed proposal.
2. Firms may be certified by Palm Beach County as an SBE and/or an M/WBE. If firms are certified as both an SBE and/or M/WBE, please indicate the dollar amount under the appropriate category.
3. Modification of this form is not permitted and will be rejected upon submittal.

http://discover.pbcgov.org/oebo/Pages/Compliance-Programs.aspx

REVISED 02/28/2019

EBO-1

EBO FORMS

OEBO LETTER OF INTENT – SCHEDULE 2

A completed Schedule 2 is a binding document between the Prime Contractor/consultant and a Subcontractor/subconsultant (for any tier) and should be treated as such. The Schedule 2 shall contain bolded language indicating that by signing the Schedule 2, both parties recognize this Schedule as a binding document. All Subcontractors/subconsultants, including any tiered Subcontractors/subconsultants, must properly execute this document. Each properly executed Schedule 2 must be submitted with the bid/proposal.

SOLICITATION/PROJECT NUMBER: 2020053

SOLICITATION/PROJECT NAME: Annual Roadway Landscape Contract

Prime Contractor: A Cut Above Landscape & Maintenance, Inc. Subcontractor: A Cut Above Landscape & Maintenance, Inc.

(Check box(s) that apply)

☒ SBE ☐ WBE ☐ MBE ☐ M/WBE ☐ Non-S/M/WBE Date of Palm Beach County Certification (if applicable): 07/07/2020

The undersigned affirms they are the following (select one from each column **if applicable**):

Column 1	Column 2				Column 3
☒ Male ☐ Female	☐ African-American/Black	☐ Asian American	☒ Caucasian American	☐ Hispanic American	☐ Native American	☐ Supplier

S/M/WBE PARTICIPATION – S/M/WBE Primes must document all work to be performed by their own work force on this form. Failure to submit a properly executed Schedule 2 for any **S/M/WBE** participation may result in that participation not being counted. Specify in detail, the scope of work to be performed or items supplied with the dollar amount and/or percentage for each work item. S/M/WBE credit will only be given for the areas in which the S/M/WBE is certified. A detailed proposal may be attached to a properly executed Schedule 2.

Line Item	Item Description	Unit Price	Quantity/ Units	Contingencies/ Allowances	Total Price/Percentage
	See bid tab for line items: 1-202, 210-248				86.3%

The undersigned Subcontractor/subconsultant is prepared to self-perform the above-described work in conjunction with the aforementioned project at the following total price or percentage: 86.3%

If the undersigned intends to subcontract any portion of this work to another Subcontractor/subconsultant, please list the business name and the amount below accompanied by a separate properly executed Schedule 2.

Name of 2nd/3rd tier Subcontractor/subconsultant

Price or Percentage:

A Cut Above Landscape & Maintenance, Inc.
Print Name of Prime

By: _____
Authorized Signature

Damon Rockett
Print Name

President
Title

Date: 03-02-2020

A Cut Above Landscape & Maintenance, Inc.
Print Name of Subcontractor/subconsultant

By: _____
Authorized Signature

Damon Rockett
Print Name

President
Title

Date: 03-02-2020

http://discover.pbcgov.org/oebo/Pages/Compliance-Programs.aspx

Revised 09/17/2019

EBO FORMS

OEBO LETTER OF INTENT – SCHEDULE 2

A completed Schedule 2 is a binding document between the Prime Contractor/consultant and a Subcontractor/subconsultant (for any tier) and should be treated as such. The Schedule 2 shall contain bolded language indicating that by signing the Schedule 2, both parties recognize this Schedule as a binding document. All Subcontractors/subconsultants, including any tiered Subcontractors/subconsultants, must properly execute this document. Each properly executed Schedule 2 must be submitted with the bid/proposal.

SOLICITATION/PROJECT NUMBER: 2020053

SOLICITATION/PROJECT NAME: Annual Roadway Landscape Contract

Prime Contractor: A Cut Above Landscape & Maintenance, Inc. Subcontractor: Wooster Well Drilling, Inc.

(Check box(s) that apply)

☐SBE ☐WBE ☐MBE ☐M/WBE ☒Non-S/M/WBE Date of Palm Beach County Certification (if applicable):

The undersigned affirms they are the following (select one from each column if applicable):

Column 1

☒Male ☐Female

Column 2

☐African-American/Black ☐Asian American ☒Caucasian American
☐Hispanic American ☐Native American

Column 3

☐Supplier

S/M/WBE PARTICIPATION – S/M/WBE Primes must document all work to be performed by their own work force on this form. Failure to submit a properly executed Schedule 2 for any **S/M/WBE** participation may result in that participation not being counted. Specify in detail, the scope of work to be performed or items supplied with the dollar amount and/or percentage for each work item. S/M/WBE credit will only be given for the areas in which the S/M/WBE is certified. A detailed proposal may be attached to a properly executed Schedule 2.

Line Item	Item Description	Unit Price	Quantity/ Units	Contingencies/ Allowances	Total Price/Percentage
	See bid tab for line items: 240-248, 254-262				4.8%

The undersigned Subcontractor/subconsultant is prepared to self-perform the above-described work in conjunction with the aforementioned project at the following total price or percentage: 4.8%

If the undersigned intends to subcontract any portion of this work to another Subcontractor/subconsultant, please list the business name and the amount below accompanied by a separate properly executed Schedule 2.

Name of 2nd/3rd tier Subcontractor/subconsultant

Price or Percentage:

A Cut Above Landscape & Maintenance, Inc.
Print Name of Prime

By: _____
Authorized Signature

Damon Rockett
Print Name

President
Title

Date: 03-02-2020

Wooster Well Drilling, Inc.
Print Name of Subcontractor/subconsultant

By: _____
Authorized Signature

V. Ruth Wooster
Print Name

Secretary
Title

Date: 03/03/2020

http://discover.pbcgov.org/oebo/Pages/Compliance-Programs.aspx

Revised 09/17/2019

EBO FORMS

OEBO LETTER OF INTENT – SCHEDULE 2

A completed Schedule 2 is a binding document between the Prime Contractor/consultant and a Subcontractor/subconsultant (for any tier) and should be treated as such. The Schedule 2 shall contain bolded language indicating that by signing the Schedule 2, both parties recognize this Schedule as a binding document. All Subcontractors/subconsultants, including any tiered Subcontractors/subconsultants, must properly execute this document. Each properly executed Schedule 2 must be submitted with the bid/proposal.

SOLICITATION/PROJECT NUMBER: 2020053

SOLICITATION/PROJECT NAME: Annual Roadway Landscape Contract

Prime Contractor: A Cut Above Landscape & Maintenance, Inc. Subcontractor: Advanced Boring, Inc.

(Check box(s) that apply)

☐SBE ☐WBE ☐MBE ☐M/WBE ☒Non-S/M/WBE Date of Palm Beach County Certification (if applicable): _____

The undersigned affirms they are the following (select one from each column **if applicable**):

Column 1

☒Male ☐Female

Column 2

☐African-American/Black ☐Asian American ☒Caucasian American ☐Hispanic American ☐Native American

Column 3

☐Supplier

S/M/WBE PARTICIPATION – S/M/WBE Primes must document all work to be performed by their own work force on this form. Failure to submit a properly executed Schedule 2 for any **S/M/WBE** participation may result in that participation not being counted. Specify in detail, the scope of work to be performed or items supplied with the dollar amount and/or percentage for each work item. S/M/WBE credit will only be given for the areas in which the S/M/WBE is certified. A detailed proposal may be attached to a properly executed Schedule 2.

Line Item	Item Description	Unit Price	Quantity/ Units	Contingencies/ Allowances	Total Price/Percentage
	See bid tab for line items: 203-209, 240-248, 254-262				3.7%

The undersigned Subcontractor/subconsultant is prepared to self-perform the above-described work in conjunction with the aforementioned project at the following total price or percentage: 3.7%

If the undersigned intends to subcontract any portion of this work to another Subcontractor/subconsultant, please list the business name and the amount below accompanied by a separate properly executed Schedule 2.

_____ Price or Percentage: _____

Name of 2nd/3rd tier Subcontractor/subconsultant

A Cut Above Landscape & Maintenance, Inc.
Print Name of Prime

By: _____
Authorized Signature

Damon Rockett
Print Name

President
Title

Date: 03-02-2020

Advanced Boring, Inc.
Print Name of Subcontractor/subconsultant

By: _____
Authorized Signature

Eduardo Monroy
Print Name

President
Title

Date: 03/03/2020

http://discover.pbcgov.org/oebo/Pages/Compliance-Programs.aspx

Revised 09/17/2019

EBO-2

EBO FORMS

OEBO LETTER OF INTENT – SCHEDULE 2

A completed Schedule 2 is a binding document between the Prime Contractor/consultant and a Subcontractor/subconsultant (for any tier) and should be treated as such. The Schedule 2 shall contain bolded language indicating that by signing the Schedule 2, both parties recognize this Schedule as a binding document. All Subcontractors/subconsultants, including any tiered Subcontractors/subconsultants, must properly execute this document. Each properly executed Schedule 2 must be submitted with the bid/proposal.

SOLICITATION/PROJECT NUMBER: 2020053

SOLICITATION/PROJECT NAME: Annual Roadway Landscape Contract

Prime Contractor: A Cut Above Landscape & Maintenance, Inc. Subcontractor: Gerhold Electric, Inc.

(Check box(s) that apply)

☐SBE ☐WBE ☐MBE ☐M/WBE ☒Non-S/M/WBE Date of Palm Beach County Certification (if applicable): _____

The undersigned affirms they are the following (select one from each column **if applicable**):

Column 1

☒Male ☐Female

Column 2

☐African-American/Black ☐Asian American ☒Caucasian American ☐Hispanic American ☐Native American

Column 3

☐Supplier

S/M/WBE PARTICIPATION – S/M/WBE Primes must document all work to be performed by their own work force on this form. Failure to submit a properly executed Schedule 2 for any **S/M/WBE** participation may result in that participation not being counted. Specify in detail, the scope of work to be performed or items supplied with the dollar amount and/or percentage for each work item. S/M/WBE credit will only be given for the areas in which the S/M/WBE is certified. A detailed proposal may be attached to a properly executed Schedule 2.

Line Item	Item Description	Unit Price	Quantity/ Units	Contingencies/ Allowances	Total Price/Percentage
	See bid tab items: 240-248, 254-262				5.2%

The undersigned Subcontractor/subconsultant is prepared to self-perform the above-described work in conjunction with the aforementioned project at the following total price or percentage: 5.2%

If the undersigned intends to subcontract any portion of this work to another Subcontractor/subconsultant, please list the business name and the amount below accompanied by a separate properly executed Schedule 2.

Gerhold Electric Inc.
Name of 2nd/3rd tier Subcontractor/subconsultant

Price or Percentage: _____

A Cut Above Landscape & Maintenance, Inc.
Print Name of Prime

By: _____
Authorized Signature

Damon Rockett
Print Name

President
Title

Date: 03-02-2020

Gerhold Electric, Inc.
Print Name of Subcontractor/subconsultant

By: _____
Authorized Signature

Clayton Gerhold
Print Name

President
Title

Date: 03/03/2020

http://discover.pbcgov.org/oebo/Pages/Compliance-Programs.aspx

Revised 09/17/2019

PROPOSAL FORM

A Cut Above Landscape & Maintenance, Inc.
(COMPANY NAME)

1686 D Road
(COMPANY ADDRESS)

Loxahatchee, Florida
(COMPANY CITY & STATE)

33470
(COMPANY ZIP CODE)

CONTACT NAME Eneyda Gomez

PHONE NUMBER 561-795-1995

FACSIMILE NUMBER 561-795-8898

EMAIL ADDRESS eneyda@acalandscape.net

65-0884353
FEDERAL TAX I.D. #

03/03/2020
DATE SUBMITTED

FOR THE CONSTRUCTION OF: **ANNUAL ROADWAY LANDSCAPING CONTRACT**
PALM BEACH COUNTY PROJECT NO. 2020053

TO THE BOARD OF COUNTY COMMISSIONERS OF
PALM BEACH COUNTY, FLORIDA:

We, the undersigned (Contractor), hereby declare that no person or persons, firm or corporation, other than the undersigned, are interested in this Proposal as principals, and that this Proposal is made without collusion with any person, firm, or corporation, and that we are not on the Scrutinized Companies List as stated on page SC-1, and we have carefully and to our full satisfaction examined the Contract Documents, and that we have made a full examination of the location of the proposed Work and the source of supply of Materials, and we hereby agree to furnish and pay for all necessary labor, Equipment, Materials and services, fully understanding that the quantities shown herein are approximate only and that we will fully complete all necessary Work in accordance with the Contract Documents and the requirements under them of the Engineer, within the time limit specified in this Proposal for the following unit prices, to wit:

BID PROPOSAL

ANNUAL ROADWAY LANDSCAPING

CONTRACT

PBC PROJECT #2020053

ITEM #	ITEM DESCRIPTION	QTY	UNITS	UNIT PRICE	AMOUNT
1	Agave (Agave Americana) 2' X 2', 7 Gal. Cont.	10	EA	55.00	$ 550.00
2	Agave (Agave Americana) 30" X 30", 15 Gal. Cont.	10	EA	140.00	$ 1,400.00
3	Agave (Agave Americana) 36" X 36", 25 Gal. Cont.	10	EA	235.00	$ 2,350.00
4	False Agave (Furcraea foetida) 30"x 24" O.A, 7 Gal Cont.	10	EA	86.00	$ 860.00
5	False Agave (Furcraea foetida) 3 x 3, 15 Gal Container	10	EA	129.00	$ 1,290.00
6	False Agave (Furcraea foetida) 4 x 3, 25 Gal Container	10	EA	261.00	$ 2,610.00
7	Alexander Palm (Ptychosperma Elegans) 4" Cal. Max., 14' - 16' OA, Single Trunk, Dense Canopy, B&B	50	EA	450.00	$ 22,500.00
8	Alexander Palm (Ptychosperma Elegans) 4" Cal. Max., 14'-16' OA, Double Trunk, Dense Canopy, B&B	50	EA	550.00	$ 27,500.00
9	Alexander Palm (Ptychosperma Elegans) 4" Cal. Max., 14' - 16' OA, Triple Trunk, Dense Canopy, B&B	50	EA	600.00	$ 30,000.00
10	Areca Palm (Dypsis Lutescens) 6' - 8' OA, 5-7 Cane Min., 25 Gal. Container, Full to base	25	EA	185.00	$ 4,625.00
11	Areca Palm (Dypsis Lutescens) 12' OA, Multi-Stem, 7-9 Cane Min., B&B, Full to Base	20	EA	250.00	$ 5,000.00
12	Apple Blossom Shower (Cassis Javanica) 3" Cal., 14' OA X 5' Spr., 7' C.T., B&B	4	EA	1,000.00	$ 4,000.00
13	Bald Cypress (Taxodium Distichum) 3" Cal., 12' OA X 4' Spr., 5' C.T., B&B	4	EA	425.00	$ 1,700.00
14	Bald Cypress (Taxodium Distichum) 4" Cal., 16' OA X 5' Spr., 8' C.T., B&B	4	EA	500.00	$ 2,000.00
15	Beauty Leaf (Calophyllum Brasiliense) 2.5-3" Cal., 12' OA X 5' Spr., 4'-5' C.T., B&B	4	EA	550.00	$ 2,200.00
16	Beauty Leaf (Calophyllum Brasiliense) 3-4" Cal., 14' OA X 5' Spr., 5' -6' C.T., B&B	4	EA	725.00	$ 2,900.00
17	Beauty Leaf (Calophyllum Brasiliense) 4-5" Cal., 16' OA X 6' Spr., 8' C.T., B&B	4	EA	1,200.00	$ 4,800.00
18	Black Olive (Shady Lady-Bucida Buceras) 3" Cal., 14' OA X 5' Spr.,6' C.T., B&B	3	EA	500.00	$ 1,500.00
19	Black Olive (Shady Lady- Bucida Buceras) 4" Cal., 16' OA X 8' Spr., 6'-8' C.T., B&B	4	EA	550.00	$ 2,200.00
20	Cabbage Palm (Sabal Palmetto) >12" Cal.,10' C.T., Hurricane Cut , No Boots, B&B	30	EA	300.00	$ 9,000.00
21	Cabbage Palm (Sabal Palmetto) >12" Cal., 14' C.T., Hurricane Cut, No Boots B&B	30	EA	300.00	$ 9,000.00
22	Cabbage Palm (Sabal Palmetto) >12" Cal., 16' C.T., Hurricane Cut, No Boots, B&B	25	EA	300.00	$ 7,500.00
23	Cabbage Palm (Sabal Palmetto) >12" Cal., 18' C.T., Hurricane Cut, No Boots, B&B	20	EA	300.00	$ 6,000.00
24	Cabbage Palm (Sabal Palmetto) >12" Cal. Min., 10' C.T., Hurricane Cut, Booted, B&B,	30	EA	320.00	$ 9,600.00
25	Cabbage Palm (Sabal Palmetto) >12" Cal. Min., 14' C.T., Hurricane Cut, Booted, B&B	30	EA	320.00	$ 9,600.00
26	Cabbage Palm (Sabal Palmetto) >12" Cal. Min., 16' C.T., Hurricane Cut, Booted, B&B	25	EA	320.00	$ 8,000.00
27	Cabbage Palm (Sabal Palmetto) >12" Cal. Min., 18' C.T., Hurricane Cut, Booted, B&B	20	EA	320.00	$ 6,400.00
28	Chinese Fan Palm (Livistonia Chinesis) 12-16" Cal. Min., 10'OA, Dense Canopy, B&B	2	EA	450.00	$ 900.00
29	Chinese Fan Palm (Livistonia Chinesis) 12 -16" Cal. Min., 12' OA, Dense Canopy, B&B	6	EA	500.00	$ 3,000.00
30	Chinese Fan Palm (Livistonia Chinesis) 12"-16 Cal. Min., 14' OA, Dense Canopy, B&B	6	EA	600.00	$ 3,600.00
31	Chinese Fan Palm (Livistonia Chinesis) 12-16" Cal. Min., 16' OA, Dense Canopy, B&B	6	EA	650.00	$ 3,900.00
32	Coconut Palm (Cocos Nucifera "Maypan") 10" Cal Min., 6' G.W., B&B	6	EA	800.00	$ 4,800.00
33	Coconut Palm (Cocos Nucifera "Maypan") 10" Cal. Min, 8' G.W., B&B	6	EA	900.00	$ 5,400.00
34	Coconut Palm (Cocos Nucifera "Maypan") 10" Cal. Min., 10' G.W., B&B	6	EA	1,050.00	$ 6,300.00
35	Coconut Palm (Cocos Nucifera "Maypan") 12" Cal. Min., 12' G.W., B&B	5	EA	1,150.00	$ 5,750.00
36	Crape Myrtle (Lagerstroemia Indica) 2.5" Cal., 12' OA X 4' Spr., 5' C.T., B&B, Std.	6	EA	625.00	$ 3,750.00
37	Crape Myrtle (Lagerstroemia Indica) 3" Cal., 14' OA X 6' Spr., 5' C.T., B&B, Std.	6	EA	775.00	$ 4,650.00
38	Crape Myrtle (Lagerstroemia Indica) 2.5" Cal., 12' OA X 4' Spr., 5' C.T., B&B, Multi Stem, Min. 4-5	6	EA	575.00	$ 3,450.00
39	Crape Myrtle (Lagerstroemia Indica) 3" Cal., 14' OA X 6' Spr., 5' C.T., B&B, Multi Stem, Min. 4-5	6	EA	725.00	$ 4,350.00
40	Dahoon Holly (Ilex Cassine) 2" Cal., 10' OA X 3' Spr., 4' C.T., B&B	6	EA	350.00	$ 2,100.00
41	Dahoon Holly (Ilex Cassine) 2.5" - 3" Cal., 12' OA X 3.5 -4' Spr., 5' C.T., B&B	5	EA	625.00	$ 3,125.00

BID PROPOSAL

ANNUAL ROADWAY LANDSCAPING

CONTRACT

PBC PROJECT #2020053

ITEM #	ITEM DESCRIPTION	QTY	UNITS	UNIT PRICE	AMOUNT
42	Dahoon Holly (Ilex Cassine) 3.5" Cal., 14' OA X 4-5' Spr., 5' C.T., B&B	5	EA	950.00	$ 4,750.00
43	Dahoon Nativa (Ilex Nativa) 2" Cal., 10' OA X 3' Spr., 4' C.T., 45 Gal Cont.	5	EA	550.00	$ 2,750.00
44	Dahoon Nativa (Ilex Nativa) 2.5" Cal., 12' OA X 4' Spr., 6' C.T., 45 Gal Cont.	5	EA	875.00	$ 4,375.00
45	East Palatka Holly (Ilex X Attenuata) 3" Cal., 14' OA X 4-5' Spr., 6' C.T., B&B	5	EA	950.00	$ 4,750.00
46	East Palatka Holly (Ilex X Attenuata) 3.5"-4" Cal., 16' OA X 5-6' Spr., 7' C.T., B&B	5	EA	1,100.00	$ 5,500.00
47	East Palatka Holly (Ilex X Attenuata) 4.5"-5" Cal., 18' OA X 6-8' Spr., 8' C.T., B&B	5	EA	1,250.00	$ 6,250.00
48	Drake Elm (Ulmus Parvifolia "Drake) 3.5" Cal., 14' OA X 6' Spr., 8' C.T., B&B	4	EA	1,000.00	$ 4,000.00
49	Drake Elm (Ulmus Parvifolia "Drake) 4"- 4.5" Cal., 16' OA X 8' Spr., 8½' C.T., B&B	4	EA	1,100.00	$ 4,400.00
50	Foxtail Palm (Wodyetia Bifurcata) 8" Cal. Min., 6' GW, Dense Canopy, B&B	4	EA	700.00	$ 2,800.00
51	Foxtail Palm (Wodyetia Bifurcata) 8" Cal. Min., 8' GW, Dense Canopy, B&B	4	EA	775.00	$ 3,100.00
52	Foxtail Palm (Wodyetia Bifurcata) 10" Cal. Min., 10' GW, Dense Canopy, B&B	4	EA	850.00	$ 3,400.00
53	Geiger (Cordia Sebestena) 1" Cal, 8' OA X 1.5' Spr., B&B	4	EA	300.00	$ 1,200.00
54	Geiger (Cordia Sebestena) 1½" Cal., 10' OA X 2.5' Spr., B&B	4	EA	400.00	$ 1,600.00
55	Glaucous Cassia (Senna Surattensis) 2.5" Cal., 12' OA X 4' Spr., 5' C.T., B&B	15	EA	600.00	$ 9,000.00
56	Green Buttonwood (Conocarpus Erectus) 2" Cal., 10' OA X 3-4' Spr., 4' C.T., B&B	15	EA	300.00	$ 4,500.00
57	Green Buttonwood (Conocarpus Erectus) 2.5" Cal., 12' OA X 4-5' Spr., 5' C.T., B&B	15	EA	625.00	$ 9,375.00
58	Green Buttonwood (Conocarpus Erectus) 3" Cal., 14' OA X 6 -7' Spr. ,6' C.T., B&B	15	EA	875.00	$ 13,125.00
59	Green Buttonwood (Conocarpus Erectus) 4" Cal., 16' OA X 7-8' Spr., 8' C.T., B&B	15	EA	1,250.00	$ 18,750.00
60	Green Buttonwood (Conocarpus Erectus) 4.5" Cal., 20' OA X 8-10' Spr., 9' C.T., B&B	15	EA	2,100.00	$ 31,500.00
61	Gumbo Limbo (Bursera Simaruba) 3" Cal., 12' OA X 4' Spr., 5' C.T., B&B	5	EA	600.00	$ 3,000.00
62	Gumbo Limbo (Bursera Simaruba) 5" Cal., 18'OA X 6-7' Spr., 8' C.T., B&B	5	EA	1,750.00	$ 8,750.00
63	Japanese Blueberry (Elaeocarpus Decipiens) 2.5" Cal., 10' OA X 3' Spr., 45 Gal. Std, 5' ct.	4	EA	650.00	$ 2,600.00
64	Japanese Blueberry (Elaeocarpus Decipiens) 3" Cal., 12' OA X 4' Spr., 65 Gal Std. 5' ct.	4	EA	800.00	$ 3,200.00
65	Jathropia, Standard, 4-5' OA, 25 Gal. Cont.	5	EA	200.00	$ 1,000.00
66	Jathropia, Standard, 6-7' OA, 45 Gal Cont./B&B	5	EA	325.00	$ 1,625.00
67	Jathropia, Multi-Stem, 6' Oa. Min., 45 Gal. Container/B&B	4	EA	320.00	$ 1,280.00
68	Kopsia (Ochrosia Eliptica) ¾" Cal., 3-4' OA X 2-3' Spr., 2' C.T., 15 Gal. Cont.	4	EA	300.00	$ 1,200.00
69	Kopsia (Ochrosia Eliptica) 1" Cal., 5-6' OA X 3-4' Spr., 3' C.T., 25 Gal. Cont.	4	EA	400.00	$ 1,600.00
70	Laurel Oak (Quercus Laurifolia) 3" Cal. Min., 14' OA X 4½' Spr. Min., 6' C.T., B&B	6	EA	850.00	$ 5,100.00
71	Laurel Oak (Quercus Laurifolia) 3.5"-4" Cal. Min., 16' OA X 5' Spr. Min., 8' C.T., B&B	6	EA	1,250.00	$ 7,500.00
72	Laurel Oak (Quercus Laurifolia) 5"-6" Cal. Min., 18' OA X 5.5' Spr., 8' C.T., B&B	6	EA	1,650.00	$ 9,900.00
73	Laurel Oak (Quercus Laurifolia) 6"- 8" Cal. Min., 20' OA X 6' Spr., 9' C.T., B&B	6	EA	2,750.00	$ 16,500.00
74	Ligustrum (Ligustrum Japonicum) 8' hgt. x 8' spd. Multi Stem, Min 4-5 stems, B&B	10	EA	850.00	$ 8,500.00
75	Ligustrum (Ligustrum Japonicum) 10 Hgt. x 10' Spd.' Multi Stem, 5' Ct. Min.4-5 stems B&B	10	EA	1,200.00	$ 12,000.00
76	Live Oak (Quercus Virginiana) 3" Cal. Min., 14' OA X 4.5'-5' Spr., 6' C.T., B&B	5	EA	900.00	$ 4,500.00
77	Live Oak (Quercus Virginiana) 3.5" Cal., Min., 16' OA X 5'-6' Spr., 8' C.T., B&B	5	EA	1,300.00	$ 6,500.00
78	Live Oak (Quercus Virginiana) 4.5" Cal. Min., 18' OA X 6-7" Spr., 8' C.T., B&B	5	EA	1,700.00	$ 8,500.00
79	Live Oak (Quercus Virginiana) 6" Cal. Min., 20' OA X 6' Spr., 9' C.T., B&B	5	EA	2,750.00	$ 13,750.00
80	Madagascar Olive (Noronhia Emarginata) 1" Cal. Min., 8' OA X 4' Spr., 3' C.T., B&B	5	EA	300.00	$ 1,500.00
81	Madagascar Olive (Noronhia Emarginata) 2" Cal. Min., 10' OA X 5' Spr., 4' C.T., B&B	5	EA	450.00	$ 2,250.00
82	Madagascar Olive (Noronhia Emarginata) 2.5" Cal. Min., 12' OA X 5" Spr., 5' C.T., B&B	5	EA	700.00	$ 3,500.00
83	Mahogany (Swietenia Mahogani) 4" Cal. Min., 16' OA X 8'-10' Spr., 8' C.T., B&B	5	EA	1,450.00	$ 7,250.00
84	Mahogany (Swietenia Mahogani) 4.5" Cal. Min., 18' OA X 8' - 10' Spr., 8' C.T., B&B	5	EA	2,125.00	$ 10,625.00
85	Montgomery Palm (Veitchia Montgomeryana) 8-10" Cal. Min., 12-14' OA, Sgl Stem, B&B	5	EA	600.00	$ 3,000.00

BID PROPOSAL

ANNUAL ROADWAY LANDSCAPING

CONTRACT

PBC PROJECT #2020053

ITEM #	ITEM DESCRIPTION	QTY	UNITS	UNIT PRICE	AMOUNT
86	Montgomery Palm (Veitchia Montgomeryana) 8-10" Cal. Min., 14-16' OA, Dbl Stem, B&B	5	EA	700.00	$ 3,500.00
87	Montgomery Palm (Veitchia Montgomeryana) 8-10" Cal. Min., 16-18' OA, Tpl. Stem, B&B	5	EA	800.00	$ 4,000.00
88	Oleander (Nerium Oleander) Standard, 1¼" Cal., 8' OA X 2.5' Spr., 3' C.T., B&B	10	EA	250.00	$ 2,500.00
89	Oleander (Nerium Oleander) Standard, 2" Cal., 10' OA X 3.5' Spr., 4' C.T., 25 Gal Cont. or B&B	10	EA	400.00	$ 4,000.00
90	Oleander (Nerium Oleander) Standard, 2.5" Cal., 12' OA X 4' Spr., 5' C.T., 65 Gal Cont. or B&B	10	EA	550.00	$ 5,500.00
91	Orchid Tree (Bauhinia Blakeana) 2½" Cal., 14' OA X 4½' Spr., 6' C.T., B&B	5	EA	550.00	$ 2,750.00
92	Paurotis Palm (Acoelrrhaphe Wrightii) 10-12' OA X 6' SPR, Min. 6-7 Main Trunks, Dense Canopy, B&B	10	EA	1,050.00	$ 10,500.00
93	Paurotis Palm (Acoelrrhaphe Wrightii) 14-16' OA X 7' SPR, Min. 8-10 Main Trunks, Dense Canopy, B&B	10	EA	1,200.00	$ 12,000.00
94	Pigeon Plum (Coccoloba Diversifolia) 2" Cal., 10' - 12' OA X 3.5' Spr., 4' C.T., B&B	10	EA	400.00	$ 4,000.00
95	Pigeon Plum (Coccoloba Diversifolia) 2½" Cal., 12' - 14' OA X 4' Spr., 5' C.T., B&B	10	EA	600.00	$ 6,000.00
96	Pitch Apple (Clusia Rosea) 2" Cal., 8-10' OA X 4-5' Spr., 3-4' C.T., 45 Gal.Cont.	10	EA	450.00	$ 4,500.00
97	Pitch Apple (Clusia Rosea) 2.5" Cal., 12-14' OA X 4-5' Spr., 4-5' C.T., B&B	10	EA	1,000.00	$ 10,000.00
98	Pond Apple (Annona glabra) 2" Cal; 6-7' OA, 3' C.T. 25 Gal.	10	EA	300.00	$ 3,000.00
99	Pond Apple (Annona glabra) 2.5" Cal; 8-10' OA, 3-4' C.T. B&B	10	EA	350.00	$ 3,500.00
100	Pygmy Date Palm (Phoenix Roebelenii) 5-6' OA , Sgl., B&B	5	EA	225.00	$ 1,125.00
101	Pygmy Date Palm (Phoenix Roebelenii) 5-6' OA , Dbl., B&B, Matched Stems	5	EA	275.00	$ 1,375.00
102	Pygmy Date Palm (Phoenix Roebelenii) 6-8' OA , Tpl. B&B, Matched Stems	5	EA	325.00	$ 1,625.00
103	Redbay (Persea Borbonia) 2" Cal., 8-10' OA X 4' Spr., 3-4' C.T., 45 gal. Cont.	10	EA	550.00	$ 5,500.00
104	Red Maple (Acer Rubrum) 2.5-3" Cal., 12' OA X 4-5' Spr., 4-5' C.T., 65gal. Cont./B&B	10	EA	550.00	$ 5,500.00
105	Red Maple (Acer Rubrum) 3" Cal., 14' OA X 5' Spr., 6' C.T., B&B	10	EA	600.00	$ 6,000.00
106	Red Maple (Acer Rubrum) 3.5 -4" Cal., 16' OA X 6' Spr., 6' C.T., B&B	10	EA	900.00	$ 9,000.00
107	Red Maple (Acer Rubrum) 4" Cal.,18' OA X 8' Spr., 8' C.T., B&B	10	EA	1,250.00	$ 12,500.00
108	Royal Palm (Roystonea Elata) 24" Cal. Min., 10' G.W., Dense Canopy, B&B	4	EA	2,000.00	$ 8,000.00
109	Royal Palm (Roystonea Elata) 30" Cal. Min., 12' G.W., Dense Canopy, B&B	4	EA	2,500.00	$ 10,000.00
110	Sea Grape (Coccoloba Uvifera) 1½" Cal., 6-8' OA , Bush, 45 Gal. Container,	5	EA	180.00	$ 900.00
111	Sea Grape (Coccoloba Uvifera) 2½" Cal., 10'-12 OA , Bush, B&B	5	EA	400.00	$ 2,000.00
112	Silver Buttonwood (Conocarpus Erectus Sericeus) 2" Cal., 10' OA X 3.5' Spr., 4' C.T., 45 gal. Cont	10	EA	450.00	$ 4,500.00
113	Silver Buttonwood (Conocarpus Erectus Sericeus) 2-2.5" Cal., 12' OA X 4' Spr., 6' C.T., B&B or 65 GAL. Cont.	10	EA	700.00	$ 7,000.00
114	Silver Buttonwood (Conocarpus Erectus Sericeus) 2.5-3" Cal., 14' OA X 5' Spr., 8' C.T., B&B	10	EA	1,200.00	$ 12,000.00
115	Simpson's Stopper (Myrclanthes Fragrans) 1" Cal., 6' OA X 14" Spr., 2' C.T., 45 gal Cont.	6	EA	175.00	$ 1,050.00
116	Simpson's Stopper (Myrclanthes Fragrans) 1.5" Cal., 8' OA X 22" Spr., 3' C.T., 65 gal Cont. or B&B	6	EA	350.00	$ 2,100.00
117	Simpson's Stopper (Myrclanthes Fragrans) 2.5" Cal., 10' OA X 3' Spr., 4' C.T., B&B	6	EA	625.00	$ 3,750.00
118	South Florida Slash Pine (Pinus Elliotti 'Densa') 2" Cal., 8' OA X 30" Spr., 2' C.T., 30 Gal. Container	6	EA	325.00	$ 1,950.00
119	South Florida Slash Pine (Pinus Elliotti 'Densa') 2.5" Cal., 10' OA X 3' Spr., 3' C.T., 45 Gal. Container	6	EA	450.00	$ 2,700.00
120	South Florida Slash Pine (Pinus Elliotti 'Densa') 3" Cal., 12' OA X 3' Spr., 4' C.T., 65 Gal. Container	6	EA	550.00	$ 3,300.00
121	South Florida Slash Pine (Pinus Elliotti 'Densa') 4" Cal., 14'-16' OA X 4' Spr., 5' C.T., 65 Gal. Container or B&B	6	EA	650.00	$ 3,900.00
122	Spanish Stopper (Eugenia Foetida) 1" Cal., 6' OA X 2' Spr., 2' C.T., 25 gal Cont.	4	EA	225.00	$ 900.00

BID PROPOSAL

ANNUAL ROADWAY LANDSCAPING

CONTRACT

PBC PROJECT #2020053

ITEM #	ITEM DESCRIPTION	QTY	UNITS	UNIT PRICE	AMOUNT
123	Spanish Stopper (Eugenia Foetida) 1½" Cal., 8' OA X 30" Spr., 3' C.T., B&B	4	EA	325.00	$ 1,300.00
124	Spanish Stopper (Eugenia Foetida) 2½" Cal., 10' OA X 36" Spr., 4' C.T., B&B	4	EA	425.00	$ 1,700.00
125	Thatch Palm (Thrinax Radiata) 4" Cal. Min., 6' OA, Dense Canopy, B&B	6	EA	500.00	$ 3,000.00
126	Thatch Palm (Thrinax Radiata) 4" Cal. Min., 8' OA, Dense Canopy, B&B	6	EA	700.00	$ 4,200.00
127	Thatch Palm (Thrinax Radiata) 3" Cal. Min., 10' OA, Dense Canopy, B&B	6	EA	900.00	$ 5,400.00
128	Thatch Palm (Thrinax Radiata) 4" Cal. Min., 12' OA, Dense Canopy, B&B	6	EA	1,100.00	$ 6,600.00
129	Thatch Palm (Thrinax Radiata) 4" Cal. Min., 14' OA, Dense Canopy, B&B	6	EA	1,300.00	$ 7,800.00
130	Washington Palm (Washingtonia Robusta) 18" Cal. Min., 14' 0A, Dense Canopy, B&B	6	EA	500.00	$ 3,000.00
131	Washington Palm (Washingtonia Robusta) 18" Cal. Min., 16' 0A, Dense Canopy, B&B	6	EA	600.00	$ 3,600.00
132	Washington Palm (Washingtonia Robusta) 24" Cal. Min., 18' 0A, Dense Canopy, B&B	6	EA	700.00	$ 4,200.00
133	Washington Palm (Washingtonia Robusta) 30" Cal. Min., 20' 0A, Dense Canopy, B&B	6	EA	800.00	$ 4,800.00
134	Wax Myrtle (Myrica Cerifera) 1¼" Cal., 8' OA X 4' Spr., 3' C.T., 30 Gal. Container, Multi Stem	5	EA	250.00	$ 1,250.00
135	Wax Myrtle (Myrica Cerifera) 2" Cal., 10' OA X5' Spr., 4' C.T., 45 Gal. Cont. Multi Stem	5	EA	375.00	$ 1,875.00
136	Wax Myrtle (Myrica Cerifera) 2½" Cal., 12' OA X 6' Spr., 5' C.T., B&B, Mult Stem	5	EA	500.00	$ 2,500.00
137	Weeping Fig (Ficus Benjamina) 4-5' Hgt X 30" Spr., 15 Gal. Container	4	EA	150.00	$ 600.00
138	Weeping Fig (Ficus Benjamina) 6'-7' Hgt X 36" spr., 25 Gal. Container	4	EA	275.00	$ 1,100.00
139	Weeping Fig (Ficus Benjamina) 8 Hgt' X 4' Spr, Full to Base, 45 Gal Cont.	4	EA	400.00	$ 1,600.00
140	White Stopper (Eugenia Axcillaris) 1" Cal., 6' OA X 14" Spr., 3' C.T., 25 Gal Cont.	4	EA	325.00	$ 1,300.00
141	White Stopper (Eugenia Axcillaris) 1½" Cal., 8' OA X 30" Spr., 3' C.T., 45 Gal. Cont.	4	EA	425.00	$ 1,700.00
142	White Stopper (Eugenia Axcillaris) 2½" Cal., 10' OA X 34" Spr., 4' C.T., B&B	4	EA	525.00	$ 2,100.00
143	Wild Tamarind (Lysiloma Latisliqua) 3" Cal., 16' OA X 5 Spr., 8' C.T., B&B	10	EA	1,150.00	$ 11,500.00
144	Winin Palm (Veitchia Winin) 8" Cal. Min., 12-14' OA, Dense Canopy, B&B	10	EA	850.00	$ 8,500.00
145	Winin Palm (Veitchia Winin) 10" Cal. Min., 14-16' OA, Dense Canopy, B&B	10	EA	1,000.00	$ 10,000.00
146	White Tabeuia (Tabebuia bahamensis) 2,5" - 3" Cal., 12' OA X 4' Spr., 6' C.T., 45 Gal. Cont./ B&B	10	EA	900.00	$ 9,000.00
147	Yellow Tabeuia (Tabebuia Caraiba) 3½" Cal., 16' OA X 5 Spr., 8' C.T., B&B	10	EA	750.00	$ 7,500.00
148	Verawood (Bulnesia Arborea) 2.5"-3" Cal., 12' OA X 5' Spr., 6' C.T., B&B,	10	EA	825.00	$ 8,250.00
149	Vines: Coral Honeysuckel Vine (Lonicera Sempervirens) 3' OA X 16" Spr., on Trellis, 7 Gal. Container, Native Flower	10	EA	45.00	$ 450.00
150	Vines: Confederate Jasmine (Trachelospermum Jasminoides) 3' OA X 16" Spr., on Trellis, 7 Gal. Container	10	EA	45.00	$ 450.00
151	Vines: Skyblue Cluster Vine(Jacquemontia pentanthos) 3' OA X 16" Spr., on Trellis, 7 Gal. Container, Native Flower	10	EA	50.00	$ 500.00
152	Vines: Flame Vine (Pyrostegia venusta) 3' OA X 16" Spr., on Trellis, 7 Gal. Container	10	EA	50.00	$ 500.00
153	Accent Plants, 1 Gal. Container; See example plant list	250	EA	10.00	$ 2,500.00
154	Accent Plants, 3 Gal. Container, See example plant list	250	EA	30.00	$ 7,500.00
155	Groundcovers, 1 Gal. Container, See example plant list	200	EA	10.00	$ 2,000.00
156	Woody Ornamentals, 3 Gal. Container, See example plant list	200	EA	30.00	$ 6,000.00
157	Woody Ornamentals, 7 Gal. Container, See example plant list	200	EA	65.00	$ 13,000.00
158	Root pruning of Palms, See Specification	25	HR	75.00	$ 1,875.00
159	Root Pruning of Hardwoods, See specification	25	HR	75.00	$ 1,875.00
160	Tree Trimming - Large; Over 18' in height	100	HR	100.00	$ 10,000.00
161	Tree Trimming - Small; 18' or less in height	200	HR	100.00	$ 20,000.00
162	Palm Trimming - Large; Over 18' in height	500	HR	100.00	$ 50,000.00
163	Palm Trimming - Small; 18' or less in height	100	HR	100.00	$ 10,000.00

BID PROPOSAL

ANNUAL ROADWAY LANDSCAPING

CONTRACT

PBC PROJECT #2020053

ITEM #	ITEM DESCRIPTION	QTY	UNITS	UNIT PRICE	AMOUNT
164	Tree Removal - Large; over 40' wide canopy "Include dump Charges"	10	HR	100.00	$ 1,000.00
165	Tree Removal - Medium; 20' - 40' wide canopy "Include dump Charges"	10	HR	100.00	$ 1,000.00
166	Tree Removal - Small; Less than 20' wide canopy "Include dump Charges"	10	HR	100.00	$ 1,000.00
167	Remove Tree (Less Than 12" Caliper) "Include dump Charges"	25	HR	100.00	$ 2,500.00
168	Remove Tree (12" - 24" Caliper) "Include dump Charges"	25	HR	100.00	$ 2,500.00
169	Remove Palm (All Sizes) "Include dump Charges"	25	HR	100.00	$ 2,500.00
170	Stump Removal 12-60" Dia "Include dump Charges"	10	HR	100.00	$ 1,000.00
171	Palm Relocation by 90" Mounted Tree Spade - farther than 5 miles	10	HR	500.00	$ 5,000.00
172	Palm Relocation by 90" Mounted Tree Spade - within 5 miles	10	HR	450.00	$ 4,500.00
173	Palm Relocation by Crane - farther than 5 miles	10	HR	500.00	$ 5,000.00
174	Palm Relocation by Crane - within 5 miles	10	HR	450.00	$ 4,500.00
175	Tree Relocation by 90" Tree Mounted Spade within 5 miles	10	HR	450.00	$ 4,500.00
176	Tree Relocation by 90" Tree Mounted Spade further than 5 miles	10	HR	500.00	$ 5,000.00
177	Tree Relocation by Crane - Farther than 5 miles	10	HR	500.00	$ 5,000.00
178	Tree Relocation by Crane - Within 5 miles	10	HR	450.00	$ 4,500.00
	Furnish and Install Sod:				
179	Site Preparation and Installation of St. Augustine "Floratam" Sod	80,000	SF	0.85	$ 68,000.00
180	Site Preparation and Installation of Bahia "Argentine" Sod	12,000	SF	0.60	$ 7,200.00
181	Site Preparation and Installation of Bahia "Argentine" Seed	11,000	SY	1.00	$ 11,000.00
182	Furnish and Install Topsoil	275	CY	50.00	$ 13,750.00
183	Furnish and Install #2 Fill Soil	275	CY	50.00	$ 13,750.00
184	Furnish and Install Mulch -Bulk	275	CY	50.00	$ 13,750.00
185	Furnish and Install Mulch - 3 Cu. Ft. Bag	275	BAG	4.00	$ 1,100.00
186	Furnish and Apply Fertilizer - Irrigated Sod	5	BAG	50.00	$ 250.00
187	Furnish and Apply Fertilizer - un-Irrigated Sod	5	BAG	50.00	$ 250.00
188	Furnish and Apply Weed & Feed Fertilizer - Irrigated Sod	5	BAG	60.00	$ 300.00
189	Furnish and Apply Weed & Feed Fertilizer - un-Irrigated Sod	5	BAG	60.00	$ 300.00
190	Furnish and Install Rigid Root Barrier	275	LF	45.00	$ 12,375.00
191	Furnish and Install Flexible Root Barrier	275	LF	55.00	$ 15,125.00
192	Excavation of Existing/Dead Material (incl. Removal/Disposal)	10	HR	100.00	$ 1,000.00
193	50/50 Backfill (Furnish and Install)	10	CY	60.00	$ 600.00
194	Painting of Three (3) Vertical Stake System (as Specified)	150	EA	60.00	$ 9,000.00
195	Painting of Four (4) Vertical Stake System (as Specified)	75	EA	80.00	$ 6,000.00
196	Painting of Four (4) Brace System (as Specified)	175	EA	80.00	$ 14,000.00
197	Re-Staking of Three (3) Vertical Stake System (per Stake)	10	EA	100.00	$ 1,000.00
198	Re-Staking of Four (4) Vertical Stake System (per Stake)	6	EA	125.00	$ 750.00
199	Re-Staking of Four (4) Brace System (per Stake)	5	EA	150.00	$ 750.00
200	Watering (as Specified)	350	HR	60.00	$ 21,000.00
	Turf Maintenance				
201	Small Machine (Riding or Walk-behind Turf Equipment) Turf Maintenance, Including Mowing, Edging, Trimming, Litter Collection and Disposal	10	AC	250.00	$ 2,500.00
202	Large Machine (i.e. Trackor PTO, or Bellie Tracker) Turf Maintenance, Including Mowing, Edging, Trimming, Litter Collection and Disposal	6	AC	250.00	$ 1,500.00

BID PROPOSAL

ANNUAL ROADWAY LANDSCAPING

CONTRACT

PBC PROJECT #2020053

ITEM #	ITEM DESCRIPTION	QTY	UNITS	UNIT PRICE	AMOUNT
	County Wide Irrigation Products and Services - See Pay Item Footnote #15				
203	2" HDPE Directional Bore Irrigation Sleeve ***(See Pay Item Footnote #15)***	75	LF	30.00	$ 2,250.00
204	2-1/2" HDPE Directional Bore Irrigation Sleeve ***(See Pay Item Footnote #15)***	75	LF	32.00	$ 2,400.00
205	3" HDPE Directional Bore Irrigation Sleeve ***(See pay Item Footnote #15)***	75	LF	40.00	$ 3,000.00
206	4" HDPE Directional Bore Irrigation Sleeve ***(See Pay Item Footnote #15)***	75	LF	45.00	$ 3,375.00
207	6" HDPE Directional Bore Irrigation Sleeve ***(See pay Item Footnote #15)***	75	LF	55.00	$ 4,125.00
208	8" HDPE Directional Bore Irrigation Sleeve ***(See Pay Item Footnote #15)***	75	LF	68.00	$ 5,100.00
209	10" HDPE Directional Bore Irrigation Sleeve ***(See Pay Item Footnote #15)***	75	LF	80.00	$ 6,000.00
	Furnish and Install Scheule 40 Irrigation Lines (Complete) - See Pay Item Footnote #16				
210	3/4" PVC ***(See Pay Item Footnote #16)***	100	LF	1.75	$ 175.00
211	1" PVC **(See Pay Item Footnote #16)**	650	LF	2.25	$ 1,462.50
212	1¼" PVC ***(See Pay Item Footnote #16)***	275	LF	2.75	$ 756.25
213	1½" PVC ***(See Pay Item Footnote #16)***	275	LF	3.00	$ 825.00
214	2" PVC ***(See Pay Item Footnote #16)***	275	LF	3.25	$ 893.75
215	2-1/2" PVC ***(See Pay Item Footnote #16)***	75	LF	4.00	$ 300.00
	Furnish and Install Schedule 40 "Purple" Re-Use Irrigation Lines (Complete) - See Pay Item Footnote #16				
216	3/4" PVC ***(See Pay Item Footnote #16)***	250	LF	1.80	$ 450.00
217	1" PVC ***(See Pay Item Footnote #16)***	625	LF	2.30	$ 1,437.50
218	1¼" PVC ***(See Pay Item Footnote #16)***	215	LF	2.80	$ 602.00
219	1½" PVC ***(See Pay Item Footnote #16)***	215	LF	3.05	$ 655.75
220	2" PVC ***(See Pay Item Footnote #16)***	215	LF	3.30	$ 709.50
221	2-1/2" PVC ***(See Pay Item Footnote #16)***	80	LF	4.05	$ 324.00
	Furnish and Install Class 200 Irrigation Lines (Complete) - See Pay Item Footnote #17				
222	2½" O-Ring PVC Main w/Restraints - *(See TSP's, SP's, and GP's for Installation)* ***(See Pay Item Footnote #17)***	100	LF	6.00	$ 600.00
223	3" O-Ring PVC Main W/Restraints - *(See TSP's, SP's, and GP's for Installation)* ***(See Pay Item Footnote #17)***	100	LF	7.50	$ 750.00
224	4" O-Ring PVC Main W/Restraints - *(See TSP's, SP's, and GP's for Installation)* ***(See Pay Item Footnote #17)***	100	LF	9.00	$ 900.00
225	6" O-Ring PVC Main W/Restraints - *(See TSP's, SP's, and GP's for Installation)* ***(See Pay Item Footnote #17)***	100	LF	18.00	$ 1,800.00
	Furnish and Install HDPE Irrigation Lines (Complete) - See Pay Item Footnotes #18 & 19				
226	1" HDPE PVC (Provide transition fittings to PVC) ***(See Pay Item Footnote #18)***	75	LF	10.00	$ 750.00
227	2" HDPE PVC (Provide transition fittings to PVC) ***(See Pay Item Footnote #18)***	75	LF	16.50	$ 1,237.50
228	2-1/2" HDPE PVC (Provide transition fittings to PVC) ***(See Pay Item Footnote #18)***	75	LF	18.00	$ 1,350.00
229	3" HDPE PVC (Provide transition fittings to PVC) ***(See Pay Item Footnote #18)***	115	LF	20.00	$ 2,300.00
230	4" HDPE PVC (Provide transition fittings to PVC) ***(See Pay Item Footnote #18)***	115	LF	24.00	$ 2,760.00
231	6" HDPE PVC (Provide transition fittings to PVC) ***(See Pay Item Footnote #18)***	115	LF	32.00	$ 3,680.00
232	Provide Connection to Existing Irrigation System ***(See Pay Item Footnote #19)***	2	LF	1,500.00	$ 3,000.00
233	Provide Connection to Ex. Potable Water Line ***(See Pay Item Footnote #19)***	3	LF	2,000.00	$ 6,000.00
234	Provide Connection to Exist. Re-Use Water Line ***(See Pay Item Footnote #19)***	2	LF	2,000.00	$ 4,000.00

BID PROPOSAL

ANNUAL ROADWAY LANDSCAPING

CONTRACT

PBC PROJECT #2020053

ITEM #	ITEM DESCRIPTION	QTY	UNITS	UNIT PRICE	AMOUNT
	Furnish and Install Pump and Complete Pump Station - See Pay Item Footnotes #20, 21 & 32				
235	Furnish & Install 2 HP Centrifugal Pump and Complete Pump Station For Obtaining Water from an Adjacent Water Body ***(See Pay Item Footnotes #20 & 32)***	2	EA	8,600.00	$ 17,200.00
236	Furnish & Install 3 HP Centrifugal Pump and Complete Pump Station For Obtaining Water from an Adjacent Water Body ***(See Pay Item Footnotes #20 & 32)***	1	EA	10,100.00	$ 10,100.00
237	Furnish & Install 5 HP Centrifugal Pump and Complete Pump Station For Obtaining Water from an Adjacent Water Body ***(See Pay Item Footnotes #20 & 32)***	1	EA	13,100.00	$ 13,100.00
238	Furnish & Install 7½ HP Centrifugal Pump and Complete Pump Station For Obtaining Water from an Adjacent Water Body ***(See Pay Item Footnotes #20 & 32)***	1	EA	19,100.00	$ 19,100.00
239	Furnish & Install 10 HP Centrifugal Pump and Complete Pump Station For Obtaining Water from an Adjacent Water Body ***(See Pay Item Footnotes #20 & 32)***	1	EA	25,100.00	$ 25,100.00
240	Furnish & Install 2 HP Centrifugal Pump and Complete Pump Station For Obtaining Water from Well ***(See Pay Item Footnotes #21 & 32)***	2	EA	22,600.00	$ 45,200.00
241	Furnish & Install 3 HP Centrifugal Pump and Complete Pump Station For Obtaining Water from Well ***(See Pay Item Footnotes #21 & 32)***	1	EA	23,900.00	$ 23,900.00
242	Furnish & Install 5 HP Centrifugal Pump and Complete Pump Station For Obtaining Water from Well ***(See Pay Item Footnotes #21 & 32)***	1	EA	26,600.00	$ 26,600.00
243	Furnish & Install 7½ HP Centrifugal Pump and Complete Pump Station For Obtaining Water from Well ***(See Pay Item Footnotes #21 & 32)***	1	EA	32,400.00	$ 32,400.00
244	Furnish & Install 10 HP Centrifugal Pump and Complete Pump Station For Obtaining Water from Well ***(See Pay Item Footnotes #21 & 32)***	1	EA	38,100.00	$ 38,100.00
245	Furnish & Install 2 HP Submersible Pump and Complete Pump Station For Obtaining Water from Well ***(See Pay Item Footnotes #21 & 32)***	2	EA	23,100.00	$ 46,200.00
246	Furnish & Install 3 HP Submersible Pump and Complete Pump Station For Obtaining Water from Well ***(See Pay Item Footnotes #21 & 32)***	1	EA	24,100.00	$ 24,100.00
247	Furnish & Install 5 HP Submersible Pump and Complete Pump Station For Obtaining Water from Well ***(See Pay Item Footnotes #21 & 32)***	1	EA	31,000.00	$ 31,000.00
248	Furnish & Install 7½ HP Submersible Pump and Complete Pump Station For Obtaining Water from Well ***(See Pay Item Footnotes #21 & 32)***	1	EA	34,100.00	$ 34,100.00
	Furnish and Install Pump and Complete Pump Station without vaults - See Pay Item Footnotes #20 & 21 &32				
249	Furnish & Install 2 HP Centrifugal Pump and Complete Pump Station For Obtaining Water from an Adjacent Water Body ***(See Pay Item Footnote #20 & 32)***	2	EA	8,600.00	$ 17,200.00
250	Furnish & Install 3 HP Centrifugal Pump and Complete Pump Station For Obtaining Water from an Adjacent Water Body ***(See Pay Item Footnote #20 & 32)***	1	EA	10,100.00	$ 10,100.00
251	Furnish & Install 5 HP Centrifugal Pump and Complete Pump Station For Obtaining Water from an Adjacent Water Body ***(See Pay Item Footnote #20 & 32)***	1	EA	13,100.00	$ 13,100.00
252	Furnish & Install 7½ HP Centrifugal Pump and Complete Pump Station For Obtaining Water from an Adjacent Water Body ***(See Pay Item Footnote #20 & 32)***	1	EA	19,100.00	$ 19,100.00
253	Furnish & Install 10 HP Centrifugal Pump and Complete Pump Station For Obtaining Water from an Adjacent Water Body ***(See Pay Item Footnote #20 &32)***	1	EA	25,100.00	$ 25,100.00
254	Furnish & Install 2 HP Centrifugal Pump and Complete Pump Station For Obtaining Water from Well ***(See Pay Item Footnote #21 &32)***	2	EA	17,600.00	$ 35,200.00
255	Furnish & Install 3 HP Centrifugal Pump and Complete Pump Station For Obtaining Water from Well ***(See Pay Item Footnote #21 &32)***	1	EA	18,900.00	$ 18,900.00
256	Furnish & Install 5 HP Centrifugal Pump and Complete Pump Station For Obtaining Water from Well ***(See Pay Item Footnote #21 &32)***	1	EA	21,600.00	$ 21,600.00
257	Furnish & Install 7½ HP Centrifugal Pump and Complete Pump Station For Obtaining Water from Well ***(See Pay Item Footnote #21 &32)***	1	EA	27,400.00	$ 27,400.00
258	Furnish & Install 10 HP Centrifugal Pump and Complete Pump Station For Obtaining Water from Well ***(See Pay Item Footnote #21 &32)***	1	EA	33,100.00	$ 33,100.00
259	Furnish & Install 2 HP Submersible Pump and Complete Pump Station For Obtaining Water from Well ***(See Pay Item Footnote #21 &32)***	2	EA	18,100.00	$ 36,200.00

BID PROPOSAL

ANNUAL ROADWAY LANDSCAPING

CONTRACT

PBC PROJECT #2020053

ITEM #	ITEM DESCRIPTION	QTY	UNITS	UNIT PRICE	AMOUNT
260	Furnish & Install 3 HP Submersible Pump and Complete Pump Station For Obtaining Water from Well ***(See Pay Item Footnote #21 &32)***	1	EA	19,100.00	$ 19,100.00
261	Furnish & Install 5 HP Submersible Pump and Complete Pump Station For Obtaining Water from Well ***(See Pay Item Footnote #21 &32)***	1	EA	26,100.00	$ 26,100.00
262	Furnish & Install 7½ HP Submersible Pump and Complete Pump Station For Obtaining Water from Well ***(See Pay Item Footnote #21 &32)***	1	EA	29,100.00	$ 29,100.00
	Furnish Only - Pump (Delivered as Directed) - See Pay Item Footnote #22				
263	Furnish Only - 2 HP Centrifugal Pump (Delivered as Directed) - Complete ***(See Pay Item Footnote #22)***	1	EA	1,500.00	$ 1,500.00
264	Furnish Only - 3 HP Centrifugal Pump (Delivered as Directed) - Complete ***(See Pay Item Footnote #22)***	1	EA	2,450.00	$ 2,450.00
265	Furnish Only - 5 HP Centrifugal Pump (Delivered as Directed) - Complete ***(See Pay Item Footnote #22)***	1	EA	3,000.00	$ 3,000.00
266	Furnish Only - 71/2 HP Centrifugal Pump (Delivered as Directed) - Complete ***(See Pay Item Footnote #22)***	1	EA	4,400.00	$ 4,400.00
267	Furnish Only - 10 HP Centrifugal Pump (Delivered as Directed) - Complete ***(See Pay Item Footnote #22)***	1	EA	5,500.00	$ 5,500.00
	Miscellanoeus Irrigation Pump and Pump Station Items Furnish and Install - Complete				
268	Concrete Vault, 48" X 48" X 36", with Drainage	2	EA	3,750.00	$ 7,500.00
269	Aluminum Vault Lid	2	EA	1,600.00	$ 3,200.00
270	Pastic Tank, 55 Gal.	2	EA	750.00	$ 1,500.00
271	1/4 HP Sump Pump with Discharge Piping and Pop-up Discharge Blow Off	2	EA	1,200.00	$ 2,400.00
272	Injector Pump	2	EA	900.00	$ 1,800.00
273	Fused Main Disconnect, with Meter - 2 HP Pump Station	1	EA	2,800.00	$ 2,800.00
274	Fused Main Disconnect, with Meter - 3HP Pump Station	1	EA	2,900.00	$ 2,900.00
275	Fused Main Disconnect, with Meter - 5HP Pump Station	1	EA	4,500.00	$ 4,500.00
276	Fused Main Disconnect, with Meter - 7½ HP Pump Station	1	EA	5,500.00	$ 5,500.00
277	Fused Main Disconnect, with Meter - 10 HP Pump Station	1	EA	6,250.00	$ 6,250.00
278	1" Grey PVC Sch 40 - in Addition to 200' Base Length (Installed in Trench) ***(See Pay Item Footnote #25)***	75	LF	2.00	$ 150.00
279	1" Grey PVC Sch 80 - in Addition to 200' Base Length (Installed Above Ground or Under Pavement) ***(See Pay Item Footnote #25)***	70	LF	4.00	$ 280.00
280	1½" Grey PVC Sch 40 - in Addition to 200' Base Length (Installed in Trench) ***(See Pay Item Footnote #25)***	70	LF	4.00	$ 280.00
281	1½" Grey PVC Sch 80 - in Addition to 200' Base Length (Installed Above Ground or Under Pavement) ***(See Pay Item Footnote #25)***	70	LF	8.00	$ 560.00
282	2" Grey PVC Sch 40 - in Addition to 200' Base Length (Installed in Trench) ***(See Pay Item Footnote #25)***	65	LF	6.00	$ 390.00
283	2" Grey PVC Sch 80 - in Addition to 200' Base Length (Installed Above Ground or Under Pavement) ***(See Pay Item Footnote #25)***	65	LF	9.00	$ 585.00
284	#12 THWN Copper Wire Service (Installed in Conduit in Excess of 200' Base Length) ***(See Payitem Footnote #26)***	60	LF	2.25	$ 135.00
285	#10 THWN Copper Wire Service (Installed in Conduit in Excess of 200' Base Length) ***(See Payitem Footnote #26)***	60	LF	3.50	$ 210.00
286	#8 THWN Copper Wire Service (Installed in Conduit in Excess of 200' Base Length) ***(See Payitem Footnote #26)***	60	LF	5.50	$ 330.00
287	#6 THWN Copper Wire Service (Installed in Conduit in Excess of 200' Base Length) ***(See Payitem Footnote #26)***	60	LF	6.50	$ 390.00

BID PROPOSAL

ANNUAL ROADWAY LANDSCAPING

CONTRACT

PBC PROJECT #2020053

ITEM #	ITEM DESCRIPTION	QTY	UNITS	UNIT PRICE	AMOUNT
288	#4 THWN Copper Wire Service (Installed in Conduit in Excess of 200' Base Length) ***(See Payitem Footnote #26)***	60	LF	5.00	$ 300.00
289	#3 THWN Copper Wire Service (Installed in Conduit in Excess of 200' Base Length) ***(See Payitem Footnote #26)***	60	LF	5.25	$ 315.00
290	#2 THWN Copper Wire Service (Installed in Conduit in Excess of 200' Base Length) ***(See Payitem Footnote #26)***	60	LF	7.00	$ 420.00
291	#1 THWN Copper Wire Service (Installed in Conduit in Excess of 200' Base Length) ***(See Payitem Footnote #26)***	60	LF	8.25	$ 495.00
292	#1/0 THWN Copper Wire Service (Installed in Conduit in Excess of 200' Base Length) ***(See Payitem Footnote #26)***	60	LF	10.00	$ 600.00
	Irrigation Well Construction:				
293	4" Open-End Well	2	EA	5,000.00	$ 10,000.00
294	6" Open-End Well	1	EA	8,000.00	$ 8,000.00
295	8" Open-End Well	1	EA	10,200.00	$ 10,200.00
296	Additional Well Depth in Excess of 100' Base Depth for 4" well	10	FT	50.00	$ 500.00
297	Additional Well Depth in Excess of 100' Base Depth for 6" well	10	FT	80.00	$ 800.00
298	Additional Well Depth in Excess of 100' Base Depth for 8" well	10	FT	102.00	$ 1,020.00
	Irrigation Well Refurbishment/Restoration				
299	4" Open-End Well ***(See Pay Item Footnote #27)***	2	EA	3,500.00	$ 7,000.00
300	6" Open-End Well ***(See Pay Item Footnote #27)***	1	EA	4,500.00	$ 4,500.00
301	Irrigation Well Abandonment - All Sizes, All Depths ***(See Pay Item Footnote #28)***	1	EA	2,500.00	$ 2,500.00
	Furnish and Install Irrigation Heads:				
302	6" Pop-up Sprayhead Including Flexible Pipe	65	EA	25.00	$ 1,625.00
303	12" Pop-up Sprayhead Including Flexible Pipe	65	EA	35.00	$ 2,275.00
304	12" Pop-up Sprayhead with Side inlet Body Including Flexible Pipe	65	EA	38.00	$ 2,470.00
305	Turf Rotor Including Swing Joint	65	EA	48.00	$ 3,120.00
306	Flood Bubbler Including Flexible Pipe	65	EA	18.00	$ 1,170.00
	Furnish and Install Isolation Valves:				
307	1" Gate Valve in Traffic Rated Valve Box (Tier 15)	2	EA	380.00	$ 760.00
308	1" Gate Valve in Existing Valve Box	2	EA	120.00	$ 240.00
309	1½" Gate Valve in Traffic Rated Valve Box (Tier 15)	2	EA	480.00	$ 960.00
310	1½" Gate Valve in Existing Valve Box	2	EA	220.00	$ 440.00
311	2" Gate Valve in Traffic Rated Valve Box (Tier 15)	2	EA	520.00	$ 1,040.00
312	2" Gate Valve in Existing Valve Box	2	EA	260.00	$ 520.00
313	2 ½" Gate Valve in Traffic Rated Valve Box (Tier 15)	2	EA	960.00	$ 1,920.00
314	2 ½" Gate Valve in Existing Valve Box	2	EA	700.00	$ 1,400.00
315	Furnish and Install 2" Air Relief Valve in Traffic Rated Valve Box (Tier 15)	2	EA	450.00	$ 900.00
316	Furnish and Install 3/4" Pressure Relief Valve	2	EA	150.00	$ 300.00
317	Furnish and Install 1" Pressure Relief Valve	2	EA	175.00	$ 350.00
	Furnish and Install Flow Sensors:				
318	1½" Sensor in Traffic Rated Valve Box (Tier 15)	2	EA	900.00	$ 1,800.00
319	1½" Sensor in Existing Valve Box	2	EA	700.00	$ 1,400.00
320	2" Sensor in Traffic Rated Valve Box (Tier 15)	2	EA	1,100.00	$ 2,200.00
321	2" Sensor in Existing Valve Box	2	EA	850.00	$ 1,700.00

BID PROPOSAL

ANNUAL ROADWAY LANDSCAPING

CONTRACT

PBC PROJECT #2020053

ITEM #	ITEM DESCRIPTION	QTY	UNITS	UNIT PRICE	AMOUNT
	Furnish and Install Zone Valves:				
322	1" Zone Valve with 1" Gate Valve, Including Valve Box and Piping - Complete ***(See Pay Item Footnote #29)***	2	EA	500.00	$ 1,000.00
323	1½" Zone Valve with 1½" Gate Valve, Including Valve Box and Piping - Complete ***(See Pay Item Footnote #29)***	2	EA	600.00	$ 1,200.00
324	2" Zone Valve with 2" Gate Valve, Including Valve Box and Piping - Complete ***(See Pay Item Footnote #29)***	2	EA	700.00	$ 1,400.00
325	2½" Zone Valve with 2½" Gate Valve, Including Valve Box and Piping - Complete **(See Pay Item Footnote #29)**	2	EA	700.00	$ 1,400.00
326	Brass Hose Bib on Control Valve	2	EA	100.00	$ 200.00
327	Control Wire (Direct Burial) Installed w/Main Line	4,000	LF	0.30	$ 1,200.00
328	Control Wire (Direct Burial) Buried in Its Own Conduit	2,500	LF	2.30	$ 5,750.00
329	Two-Wire Control Wire (Direct Burial) installed w/Main Line	2,500	LF	0.65	$ 1,625.00
330	Two-Wire Control Wire (Buried in Its Own Conduit)	2,500	LF	2.65	$ 6,625.00
331	Two-Wire Control Wire Decoder Unit w/ grounding units	10	EA	200.00	$ 2,000.00
	Furnish and Install Controller and Replacement Valve Boxes				
332	12 Station "Sentinel Field Satellite" Controller with Hydrometer	2	EA	9,620.00	$ 19,240.00
333	24 Station "Sentinel Field Satellite" Controller with Hydrometer	2	EA	10,530.00	$ 21,060.00
334	36 Station "Sentinel Field Satellite" Controller with Hydrometer	1	EA	12,180.00	$ 12,180.00
335	48 Station "Sentinel Field Satellite" Controller with Hydrometer	1	EA	14,100.00	$ 14,100.00
336	12 Station Sentinel Controller Expansion Module	2	EA	750.00	$ 1,500.00
337	Air Card	2	EA	1,275.00	$ 2,550.00
338	Communication Tower	2	EA	3,500.00	$ 7,000.00
339	4 Station Rainbird ESP	2	EA	200.00	$ 400.00
340	6 Station Rainbird ESP	1	EA	300.00	$ 300.00
341	8 Station Rainbird ESP	1	EA	400.00	$ 400.00
342	Surcharge For MOT in FDOT R/W	1	Day	750.00	$ 750.00
343	18" x 18" x 12" Fibercrete Valve Box w/Lid	1	EA	200.00	$ 200.00
344	18" x 24" x 12" Fibercrete Valve Box w/Lid	1	EA	320.00	$ 320.00
345	Tier 15 Traffic Rated Replacement Valve Box w/Lid	1	EA	260.00	$ 260.00
346	Tier 22 Traffic Rated Replacement Valve Box w/Lid	1	EA	320.00	$ 320.00
				TOTAL BID	**$ 2,224,813.75**

THE COUNTY DOES NOT GUARANTEE THE ACCURACY OF THE FORMULAS AND EXTENSIONS USED IN THIS SPREADSHEET.

THE ITEMS AND QUANTITIES ABOVE, SHALL GOVERN OVER THE PLANS.

PAY ITEM FOOTNOTES IN CONSTRUCTION PLANS SHALL ALSO BE INCLUDED IN ITEM UNIT PRICE.

Note #	PAY ITEM FOOTNOTES
1	All costs for **Maintenance of Traffic (MOT) and mobilization** shall be considered incidental to, and shall be included in, unit prices for the pay items.
2	All items shall include cost to furnish, install and guarantee unless otherwise noted.
3	Trunk caliper (diameter) is measured 6 inches from the ground on trees up to and including 4 inches in caliper, and 12 inches above the ground for larger trees. The caliper (diameter) of a palm tree is taken at the widest portion, measured between 1 and 3 feet from the soil line.
4	All B&B to be natural burlap; no synthetic fabric allowed,no nylon allowed, as per specifications.
5	C.T. (Clear Trunk) heights specify required minimum height of bottom of tree foliage (excluding palms) for clear sight & maintenance purposes, not the minimum height of first major branch (as per Florida Grades & Standards definition). As per this alternate definition of C.T., some branches without foliage may be allowed within the required 8.0' or 8.5' clear sight window as specified. No leaf foliage, including palm fronds, may encroach into a required clear sight window.

BID PROPOSAL

ANNUAL ROADWAY LANDSCAPING

CONTRACT

PBC PROJECT #2020053

ITEM #	ITEM DESCRIPTION	QTY	UNITS	UNIT PRICE	AMOUNT
Note #	PAY ITEM FOOTNOTES				
6	All trees & palms shall meet or exceed minimum requirements of "Florida Grade No. 1" as per the current Grades & Standards for Nursery Plants by the Florida Department of Agriculture & Consumer Services.				
7	No more than 2" of soil shall be above the top root of a rootball.				
8	The above plant counts are estimated quantities before the actual design of various pending road projects is completed. Previous typical projects have ranged from 10 to 350 trees.				
9	All costs associated with the performance of work under this contract including but not limited to all materials, labor, & equipment shall be included in the unit bid item cost for each tree.				
10	Tree and Palm Trimming items - Trim to Florida Grades and Standards and ANSI A300 Standards by or under the supervision of an Arborist certified by the International Society of Arboriculture. Shall include MOT and disposal.				
11	Tree, Palm, and Stump Removal Items - Includes stump extraction, disposal and filling of hole to finish grade with suitable fill.				
12	Relocation Items - include filling of holes to finish grade with suitable fill.				
13	The work for tree and palm removal shall include all costs associated with tree removal including MOT (if required), reduction of canopy, felling of trunk, stump removal, debris disposal and backfilling of hole with suitable material to provide a uniform grade.				
14	**Notes On Irrigation:**				
15	Items 203 through 209 - Contractor shall provide all boring logs, boring profiles, GPS per state planar and permits to the County.				
16	Items 210 through 221 - Schedule 80 fittings shall be used.				
17	Items 222 through 225 - Include all ductile iron fittings, thrust blocking, line guard tape and testing.				
18	Items 226 through 231 - Include all transition fittings and all apparatuses that are needed to complete the transition.				
19	Items 232 through 234 - Include all costs associated with plumbing codes compliance and installation of owner provided meter/hydrant as applicable.				
20	Items 235 through 239 and 249 through 253 - Include all costs associated with electrical connection (200' base length), furnish and install primary (with meter) and secondary (with station) fused disconnects, enclosure, intake screen, Hot Stop, pressure/air relief valve in approved valve box, flow meter in approved valve box, Ames Cla-Valve (if applicable), all permits and all items specified in item ISC 2.08 Pump Station and Footnote #32.. Base suction line shall be 200'. Note that the South Florida Water Management District General Water Use Permit will be provided to the Contractor. Irrigation Controller is not included. See Pay Item #340 throgh 349				
21	Items 240 through 248 and Items 254 through 262 - Include all costs associated with electrical connection (200' base length, "Inclusive of 60 L.F.of 4" Directional Bore for Electrical service, if required"),(Additional boring beyond 60 L.F. would be be Itemized as per Pay Item #298) furnish and install primary (with meter) and secondary (with station) fused disconnects, 6" Steel Cased well construction (100' base depth), (Any additional depth beyond base depth, if required, would be Itemized as per Pay Item #305), Hot Stop, pressure/air relief valve in approved valve box or strut mounted (as directed by the Engineer), Ames Cla-Valve, if applicable, flow meter in approved valve box, Ames Cla-Valve (if applicable), all permits and all items specified in item ISC 2.08 Pump Station, Footnote #32 and all permits. Note that the South Florida Water Management District General Water Use Permit will be provided to the Contractor. (Irrigation Controller is not included. See Pay Item #340 through 349).				
22	Items 263 through 267 - Furnish Only - Pump (Delivered) - Each complete unit shall be delivered to Streetscape Field Operations Office.				
23	Streetscape Field Operations Office 2555 Vista Parkway West Palm Beach, FL 33411 Phone: 561-233-3990				
24	Contractor will contact Streetscape Field Operations Office prior to delivery to coordinate delivery times and to confirm that staff will be available to receive the item(s).				
25	Items 278 through 283 - Grey PVC Conduit (Sch 40 and 80) is for conduit Only. Conductors are to be paid under THWN Copper Service.				
26	Items 284 through 292 - THWN Copper Wire Service (Installed in conduit in excess of 200' base length) is for four (4) conductors. Price does not include cost of the conduit. Conduit to be paid under Grey PVC Conduit.				
27	Items 299 through 300. The work for Well Refurbishment/Restoration shall include removal of concrete around the well head, removal of the pump station from the work area, removal of well liner pipe, installation of seat drive shoe with drill rig or installation of additional casing as required. Upon determination of satisfactory performance as specified in the Special Provisions (Section IWC - Irrigation Open End Well Construction Specifications), completion of the task shall include replacement of pump station, priming pump, patching concrete, flushing mainline and demonstrating satisfactory operation.				
28	Item 301 - The work for Well Abandonment shall include removal of the pump station from the work area and delivery to a local location specified by the County, sealing of the well head with concrete, removal of service and filing of necessary permits and reports with jurisdictional agencies with copies of all such documents supplied to the County.				
29	Items 322 through 325 - Shall include installation of a gate valve for maintenance isolation, sized to match the zone control valve, placed upstream at the time of installation of the zone valve in the same single valve box.				

BID PROPOSAL

ANNUAL ROADWAY LANDSCAPING

CONTRACT

PBC PROJECT #2020053

ITEM #	ITEM DESCRIPTION	QTY	UNITS	UNIT PRICE	AMOUNT
Note #	PAY ITEM FOOTNOTES				
30	All electrical service, fuses, motor feeder wire, conduit, etc., required for providing power to the pump station shall comply with the current editions of the National Electric Code, the Florida Building Code and the Palm Beach County Building Code, with all current addenda. Contractor shall be required to acquire all electrical permits and provide all required permit drawings.				
31	Notes On Pumps - both Furnish and Install and Furnish Only.				
32	Items 235 through 239 and 240 through 267 - All pumps shall include the following hardware:				
	2 - 2" galv. unions				
	2 - 2" 90° galv. elbows				
	1 - 2" galv. tee				
	1 - 3/4" galv. tee				
	1 - 3/4"x2" galv. nipple				
	2 - 2"x4" galv. nipple				
	2 - 2"x6" galv. nipple				
	1 - 2"x3/4" galv. Bushing				
	2 - 2"x1½" galv. Bushing				
	1 - 3/4" hose bib				
	1 - hot stop				
	1 - liquid filled pressure gauge, min. 150 psi rated				
	1 - 2" strataflow check valve				
	1 - pressure relief valve. Size shall be 1" (including 1 - 1"x2" galvanized tee) for 2 HP and 3 HP pumps and 1½" (including 1 - 1½"x2" galv. tee) for 5 HP pumps and larger				

PROPOSAL FORM

PROJECT NO. **2020053**

TOTAL BID
$2,224,813.75
IN FIGURES

The Contractor acknowledges that Addenda 1 thru 2 have been received and that related costs are reflected in the submitted bid. Contractor has committed to ***goal of*** 86.3***% SBE participation*** as set forth on the Schedule 1 and Schedule 2 that are completed and submitted by Contractor. Contractor shall comply with said goal if awarded the Contract.

The Contractor hereby certifies and agrees that the following information is correct: In preparing its response to the Solicitation, the Contractor has considered all proposals submitted from qualified, potential Subcontractors and suppliers, and has not engaged in "discrimination" as defined in the County's Commercial Nondiscrimination Policy as set forth in Resolution 2017-1770 as amended, to wit: discrimination in the solicitation, selection or commercial treatment of any Subcontractor, vendor, supplier or commercial customer on the basis of race, color, national origin, religion, ancestry, sex, age, marital status, familial status, sexual orientation, gender identity or expression, disability, or genetic information, or on the basis of any otherwise unlawful use of characteristics regarding the vendor's, supplier's or commercial customer's employees or owners; provided that nothing in this policy shall be construed to prohibit or limit otherwise lawful efforts to remedy the effects of discrimination that have occurred or are occurring in the County's relevant marketplace of Palm Beach County. Without limiting the foregoing, "discrimination" also includes retaliating against any person or other entity for reporting any incident of "discrimination." Without limiting any other provision of the solicitation, it is understood and agreed that, if this certification is false, such false certification will constitute grounds for the County to reject the proposal submitted by the Contractor for this Solicitation, and to terminate any contract awarded based on the response. As part of its proposal, the Contractor shall provide to the County a list of all instances within the immediate past four (4) years where there has been a final adjudicated determination in a legal or administrative proceeding in the State of Florida that the Contractor discriminated against its Subcontractors, vendors, suppliers or commercial customers, and a description of the status or resolution of that complaint, including any remedial action taken. As a condition of submitting a proposal to the County, the Contractor agrees to comply with the County's Commercial Nondiscrimination Policy as described in Resolution 2017-1770, as amended.

The Contractor further agrees to perform all necessary force account Work, as provided for in the General Provisions, and to execute the Contract and return to the County, along with a Contract Bond and Certificate of Insurance within fourteen (14) Working Days of the date of the Letter of Intent to Award and to commence Work with adequate forces and Equipment within fourteen (14) Calendar Days of the date set forth in the Notice to Proceed and to fully complete all contracted Work under the same in accordance with Contract Documents within the Contract Time.

PROPOSAL FORM

THE TIMELY COMPLETION OF THIS PROJECT IS CRITICAL TO THE HEALTH, SAFETY AND WELFARE OF THE TRAVELING PUBLIC. It is the desire of Palm Beach County to expedite the construction and opening to traffic of the project. The Contractor shall be required to work such hours, weekends and/or Holidays to meet the required Contract schedules.

The Contractor shall complete in full all necessary Work under this Contract in accordance with the Special Provisions. It is further agreed that should the Contractor fail to complete all necessary Work under this Contract within the above referenced time; then, due to the criticalness of the timely completion of this project, liquidated damages for failure to meet these provisions shall be in accordance with Section 8 of the Standard Specifications.

The Contractor further agrees to furnish a sufficient and satisfactory Bond, on the form herein provided, in accordance with Section 3 of the General Provisions.

The Contractor further agrees to bear the full cost of maintaining all Work until the final acceptance, as provided in the Contract Documents.

Accompanying this Proposal is a Proposal Guaranty (Bid Bond) made payable to Palm Beach County, a Political Subdivision of the State of Florida, in the sum of 5% of amount Bid which is to be forfeited as liquidated damages if, in case this Proposal is accepted, the undersigned should fail to execute the attached Contract under the conditions of this Proposal. Otherwise, the Bid Bond is to be returned to the Contractor upon the delivery of a satisfactory Contract Bond.

Company Name: A Cut Above Landscape & Maintenance, Inc. Authorized Officer: Damon Rockett
(Print)

Address: 1686 D Road
Loxahatchee, Fl 33470

Signature: _____

PROPOSAL FORM

CONTRACTOR CERTIFICATION

PALM BEACH COUNTY

ENGINEERING AND PUBLIC WORKS DEPARTMENT

NPDES GENERAL PERMIT FOR STORM WATER DISCHARGES

FROM

ROADWAY CONSTRUCTION SITES

ANNUAL ROADWAY LANDSCAPING CONTRACT

PALM BEACH COUNTY PROJECT NO. 2020053

"I certify under penalty of law that I understand the terms and conditions of the general National Pollutant Discharge Elimination System (NPDES) permit that authorizes the storm water discharges associated with industrial activity from the construction site identified as part of this certification."

Name of Contracting Firm: A Cut Above Landscape & Maintenance, Inc.

By: _____ Date: 03-02-2020

Name and Title: Damon Rocket- President

Address or P.O. Box: 1686 D Road

Loxahatchee	Florida	33470
City	State	Zip Code

Telephone: 561 795-1995

Area Code Number

CERTIFICATION OF BUSINESS LOCATION

In accordance with the Palm Beach County Local Preference Ordinance, as amended, a preference will be given to: (1) those Bidders having a permanent place of business in Palm Beach County (County); and (2) those Bidders having a permanent place of business in the Glades providing goods or services to be utilized in the Glades. To receive a local preference, an interested Bidder must have a permanent place of business in the County or in the Glades, as applicable, prior to the County's issuance of an invitation for Bid. A Business Tax Receipt issued by the Palm Beach County Tax Collector is required, unless specifically exempted by law, and will be used to verify the Bidders' permanent place of business. The Bidder must submit this Certification of Business Location at the time of Bid submission. This Certification of Business Location is the sole determinant of local preference eligibility. Errors in the completion of this Certification or failure to submit this completed Certification will cause the Bidder to not receive a local preference. Please note that in order to receive a local preference, the name and address on the Business Tax Receipt must be the same name and address that is included in the Bid or Proposal submitted by the Bidder to the County.

1) Bidder is a:

__X__ **Local Business** (A local business has a permanent place of business in Palm Beach County**)

(Please indicate):
__X__ Headquarters located in Palm Beach County.
_____ Permanent office or other site located in Palm Beach County from which a vendor will produce a substantial portion of the goods or services to be purchased.

_____ **Glades Business** (a Glades business has a permanent place of business in the Glades**)

(Please indicate):
_____ Headquarters located in the Glades.
_____ Permanent office or other site located in the Glades from which a vendor will produce a substantial portion of the goods or services to be purchased.

_____ **Regional Business** (A regional business is one that has a permanent place of business in Martin, Broward, or Miami Dade County.)

****A post office box or location at a postal service center is not acceptable.**

2) The attached copy of the Bidder's Palm Beach County Business Tax Receipt verifies the Bidder's permanent place of business.

THIS CERTIFICATION is submitted by Damon Rockett
(Name of Individual)

President, of A Cut Above Landscape & Maintenance, Inc.
(Title/Position) (Firm Name of Bidder/Proposer)

who hereby certifies that the information stated above is true and correct, and that the Bidder has a permanent place of business in Palm Beach County. Further it is hereby acknowledged that any misrepresentation by the Bidder on this Certification will be considered an unethical business practice and be grounds for sanctions against future County business with the Bidder.

Signature

03-02-2020
Date

ANNE M. GANNON
CONSTITUTIONAL TAX COLLECTOR
Serving Palm Beach County
Serving *you.*

P.O. Box 3353, West Palm Beach, FL 33402-3353
www.pbctax.com Tel: (561) 355-2264

****LOCATED AT****
14095 43RD RD
LOXAHATCHEE, FL 33470-4607

TYPE OF BUSINESS	OWNER	CERTIFICATION #	RECEIPT #/DATE PAID	AMT PAID	BILL #
56-0027 LANDSCAPING	ROCKETT DAMON C		B19.571091 - 08/13/19	$33.00	B40138742

This document is valid only when receipted by the Tax Collector's Office.

STATE OF FLORIDA
PALM BEACH COUNTY
2019/2020 LOCAL BUSINESS TAX RECEIPT

B1 - 852
A CUT ABOVE LANDSCAPE AND MAINTENANCE INC
A CUT ABOVE LANDSCAPE AND MAINTENANCE INC
1686 D RD
LOXAHATCHEE, FL 33470

LBTR Number: 199604540
EXPIRES: SEPTEMBER 30, 2020

This receipt grants the privilege of engaging in or managing any business profession or occupation within its jurisdiction and MUST be conspicuously displayed at the place of business and in such a manner as to be open to the view of the public.

ANNE M. GANNON
CONSTITUTIONAL TAX COLLECTOR
Serving Palm Beach County
Serving *you.*

P.O. Box 3353, West Palm Beach, FL 33402-3353
www.pbctax.com Tel: (561) 355-2264

****LOCATED AT****
14095 43RD RD
LOXAHATCHEE, FL 33470-4607

TYPE OF BUSINESS	OWNER	CERTIFICATION #	RECEIPT #/DATE PAID	AMT PAID	BILL #
23-0157 CERTIFIED SPECIALTY CONTR	TYSON BRIAN M	SCC131152097	B19.571281 - 08/13/19	$99.00	B40181377

This document is valid only when receipted by the Tax Collector's Office.

STATE OF FLORIDA
PALM BEACH COUNTY
2019/2020 LOCAL BUSINESS TAX RECEIPT

B2 - 525

A CUT ABOVE LANDSCAPE AND MAINTENANCE INC
A CUT ABOVE LANDSCAPE AND MAINTENANCE INC
1686 D RD
LOXAHATCHEE, FL 33470

LBTR Number: 2019113314
EXPIRES: SEPTEMBER 30, 2020

This receipt grants the privilege of engaging in or managing any business profession or occupation within its jurisdiction and MUST be conspicuously displayed at the place of business and in such a manner as to be open to the view of the public.

LIVING WAGE CERTIFICATION

Project: Annual Roadway Landscaping Contract

Contractor Name: A Cut Above Landscape & Maintenance, Inc.

Contact Person: Eneyda Gomez

Contractor Address: 1686 D Road
Loxahatchee, Fl 33470

Contractor Phone: 561-795-1995

Amount of Contract: $1,000,000

Please include the following with the Bid submission:

1. Brief description of the service provided under the construction Contract.

2. A statement of wage levels for prospective non-county employees.

3. A commitment to pay each non-county employee the living wage, as adjusted, in accordance with the Palm Beach County Living Wage Ordinance. According to Section 3(B)(2), of the Palm Beach County Living Wage Ordinance, the living wage must be adjusted annually for inflation, and this adjustment must take effect each October 1st. (See Palm Beach County Code Section 2-149(b)(2).)

The living wage for October 1, 2019, through September 30, 2020, is $12.62/hour.

The Contractor/subcontractor(s) shall post a copy of the following Notice to Employees (LW-3) at the Work site in a prominent place where it can easily be seen by the employees, or provide a copy with the employee's first paycheck and at least every six (6) months thereafter.

The undersigned hereby certifies that the above and attached information is true and correct.

IN WITNESS THEREOF, the undersigned has set his hand and affixed the Corporate Seal this 2nd day of March, 20 20.

(Authorized Signature)

(Corporate Seal)

Damon Rockett- President
(Print Name and Title)

LIVING WAGE ORDINANCE AND CERTIFICATIONS

Notice and Posting

Non-county employers shall post a copy of the following statement at the Work site in a prominent place where it can easily be seen by the employees: "NOTICE TO EMPLOYEES: If you are employed to provide certain services to Palm Beach County, your employer may be required by Palm Beach County law to pay you at least **$12.62** per hour. If you are not paid this hourly rate, contact your supervisor or a lawyer." The following statement shall be printed in English, Spanish, and Creole, and shall be printed with black lettering on letter-size, white paper using a Times New Roman 14-point font, Courier New 14-point font, or Arial 14-point font. Posting requirement will not be required if the non-county employer attaches a copy of the following statement to the employee's first paycheck, and to subsequent paychecks at least every six (6) months thereafter. Non-county employers shall supply a copy of the following statement to any employee upon request within a reasonable time. Non-county employers shall forward a copy of the requirements of this ordinance to any person or business submitting a Bid for a subcontract on any Contract covered by this ordinance.

This notice is provided pursuant to the Palm Beach County Living Wage Ordinance, Section 3 (E), (as amended through January 2004), and reflects the adjusted living wage effective October 1, 2019, through September 30, 2020.

NOTICE TO EMPLOYEES (ENGLISH)

If you are employed to provide certain services to Palm Beach County, your employer may be required by Palm Beach County law to pay you at least $12.62 per hour. If you are not paid this hourly rate, contact your supervisor or Palm Beach County.

NOTIFICACIÓN A PATRONES (ESPAÑOL)

Si usted tiene un empleo por el cual provee ciertos servicios al Condado de Palm Beach, el Condado de Palm Beach puede requerir de su patrón que le pague a usted por lo menos $12.62 por hora. Si a usted no se le paga esta cantidad por hora, póngase en contacto con su supervisor o el Condado de Palm Beach.

AVI POU ENPLWAYE-YO (CREOLE)

Si ke ou enplwaye pou bay kek sévis pou Komin-n Palm Beach-la, Dapré la Lwa, Bos travay-la sipoze peye-w o mwen $12.62 pa lé. Si yo pa peye-w valé sa-a, se pou-w kontakte sipévize-w la o byen Komin-n Palm Beach-la.

(Authorized Signature)

Damon Rockett- President
(Print Name and Title)

CERTIFICATION OF COMPLIANCE WITH THE LIVING WAGE ORDINANCE

The Ordinance states: "Every six (6) months the non-county employer shall certify and file with the Construction Coordination Division if the non-county employer is a general Contractor, or with the general Contractor if the non-county employer is a subcontractor, certification that all non-county employees who worked on each construction Contract during the preceding six (6) month period were paid the living wage in compliance with the Living Wage Ordinance. Upon the County's request, the non-county employer shall produce for inspection and copying the payroll records for any or all of its employees for the prior three (3) year period."

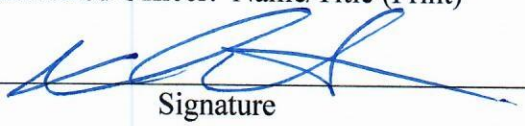
The County further requires that the Contractor submit this certification statement with each pay application, including the final, on company letterhead.

The undersigned authorized person hereby certifies that the above requirements are adhered to and that payroll records are being maintained in accordance with the requirements of LW-1 "Maintenance of Payroll Records".

03-02-2020
Date

A Cut Above Landscape & Maintenance, Inc.
Company Name (Print)

Damon Rockett- President
Authorized Officer: Name/Title (Print)


Signature

SCRUTINIZED COMPANIES

As provided in F.S. 287.135, by entering into this Contract or performing any Work in furtherance hereof, the CONTRACTOR certifies that it, its affiliates, suppliers, subcontractors and consultants who will perform hereunder, have not been placed on the Scrutinized Companies that boycott Israel List, or is engaged in a boycott of Israel, pursuant to F.S. 215.4725. Pursuant to F.S. 287.135(3)(b), if CONTRACTOR is found to have been placed on the Scrutinized Companies that Boycott Israel List or is engaged in a boycott of Israel, this Contract may be terminated at the option of the COUNTY.

When Contract value is greater than $1 million: As provided in F.S. 287.135, by entering into this Contract or performing any Work in furtherance hereof, the CONTRACTOR certifies that it, its affiliates, suppliers, subcontractors and consultants who will perform hereunder, have not been placed on the Scrutinized Companies With Activities in Sudan List or Scrutinized Companies With Activities in The Iran Petroleum Energy Sector List created pursuant to F.S. 215.473 or is engaged in business operations in Cuba or Syria.

If the County determines, using credible information available to the public, that a false certification has been submitted by CONTRACTOR, this Contract may be terminated and a civil penalty equal to the greater of $2 million or twice the amount of this Contract shall be imposed, pursuant to F.S. 287.135. Said certification must also be submitted at the time of Contract renewal, if applicable.

The undersigned authorized person hereby has read and certifies that the above is adhered to.

03-02-2020
Date

A Cut Above Landscape & Maintenance, Inc.
Company Name (Print)

Damon Rockett- President
Authorized Officer: Name/Title (Print)

Signature

BID BOND

STATE OF FLORIDA)

) ss.

COUNTY OF PALM BEACH)

KNOW ALL MEN BY THESE PRESENTS: That we, A Cut Above Landscape & Maintenance, Inc. ("Principal"), and Philadelphia Indemnity Insurance Company as Surety ("Surety") are held and firmly bound unto Palm Beach County, a Political Subdivision of the State of Florida, ("County") in the amount of Five (5%) percent of bid, lawful money of the United States of America, for the payment of which sum will and truly to be made, we bind ourselves, our heirs, executors, administrators and successors, jointly and severally, firmly by these presents;

WHEREAS, the Principal contemplates submitting or has submitted a bid to the Board of County Commissioners, Palm Beach County, Florida, for furnishing and paying for all necessary labor Materials, Equipment, machinery, tools, apparatus, services, all State Workers' Compensation and unemployment compensation taxes incurred in the performance of the Contract, means of transportation for and complete Construction of:

ANNUAL ROADWAY LANDSCAPING CONTRACT, PROJECT NO. 2020053, in the County of Palm Beach, State of Florida; and

WHEREAS, it was a condition precedent to the submission of said bid that a cashier's check or bid bond in the amount of five percent (5%) of the total bid amount be submitted with said bid as a guarantee that the Bidder would, if given a letter of Intent to Award the Contract, enter into a written contract with the County, and furnish a Public Construction Bond in an amount equal to one hundred per cent (100%) of the total contract, within fourteen (14) consecutive business days of the date of the letter of the Intent to Award Contract.

BID BOND

NOW, THEREFORE, THE CONDITIONS OF THIS OBLIGATION ARE SUCH, that, if the bid of the Principal be accepted and Principal, within fourteen (14) consecutive business days after the date of the Letter of Intent to Award, the letter being written notice of such acceptance, enter into a written contract with Palm Beach County, a Political Subdivision of the State of Florida, and furnish a Certificate of Insurance, and a Public Construction Bond in the form included in the Bid Documents and in an amount equal to One Hundred Per Cent (100%) of the total contract amount satisfactory, to Palm Beach County, a Political Subdivision of the State of Florida, then this obligation shall be void, otherwise the sum herein stated shall be due and payable to the County, and the Surety agrees to pay said sum immediately upon demand of the County, in good and lawful money of the United States of America, as liquidated damages for failure of the Principal.

IN WITNESS WHEREOF, A Cut Above Landscape & Maintenance, Inc. as Principal herein, has caused these presents to be signed in its name, by its president, and attested by its Witness, under its corporate seal, and Philadelphia Indemnity Insurance Company as Surety herein, has caused these presents to be signed in its name, by its Attorney-in-Fact, under its corporate seal, this 3rd day of March, A.D., 20 20.

ATTEST:

Eneyda Gomez
(Signature)

Eneyda Gomez
(Print Name)

Witness
(Title)

A Cut Above Landscape & Maintenance, Inc.
(Seal)

By: _____
(Principal)

ATTEST:

Rita Lazarides
(Signature)

Rita Lazarides
(Print Name)

Witness
(Title)

Philadelphia Indemnity Insurance Company
(Seal)

By: _____
Brett Rosenhaus (Surety) Attorney-in-Fact

PHILADELPHIA INDEMNITY INSURANCE COMPANY
One Bala Plaza, Suite 100
Bala Cynwyd, PA 19004-0950

Power of Attorney

KNOW ALL PERSONS BY THESE PRESENTS: That **PHILADELPHIA INDEMNITY INSURANCE COMPANY** (the Company), a corporation organized and existing under the laws of the Commonwealth of Pennsylvania, does hereby constitute and appoint **Brett Rosenhaus, Richard Zimmerman and Dale Allison Belis of Nielson,Rosenhaus & Associates**, its true and lawful Attorney-in-fact with full authority to execute on its behalf bonds, undertakings, recognizances and other contracts of indemnity and writings obligatory in the nature thereof, issued in the course of its business and to bind the Company thereby, in an amount not to exceed **$50,000,000**.

This Power of Attorney is granted and is signed and sealed by facsimile under and by the authority of the following Resolution adopted by the Board of Directors of PHILADELPHIA INDEMNITY INSURANCE COMPANY on the 14th of November, 2016.

RESOLVED: That the Board of Directors hereby authorizes the President or any Vice President of the Company: (1) Appoint Attorney(s) in Fact and authorize the Attorney(s) in Fact to execute on behalf of the Company bonds and undertakings, contracts of indemnity and other writings obligatory in the nature thereof and to attach the seal of the Company thereto; and (2) to remove, at any time, any such Attorney-in-Fact and revoke the authority given. And, be it

FURTHER RESOLVED: That the signatures of such officers and the seal of the Company may be affixed to any such Power of Attorney or certificate relating thereto by facsimile, and any such Power of Attorney so executed and certified by facsimile signatures and facsimile seal shall be valid and binding upon the Company in the future with respect to any bond or undertaking to which it is attached.

IN TESTIMONY WHEREOF, PHILADELPHIA INDEMNITY INSURANCE COMPANY HAS CAUSED THIS INSTRUMENT TO BE SIGNED AND ITS CORPORATE SEALTO BE AFFIXED BY ITS AUTHORIZED OFFICE THIS 27TH DAY OF OCTOBER, 2017.

(Seal)

Robert D. O'Leary Jr., President & CEO
Philadelphia Indemnity Insurance Company

On this 27th day of October, 2017, before me came the individual who executed the preceding instrument, to me personally known, and being by me duly sworn said that he is the therein described and authorized officer of the **PHILADELPHIA INDEMNITY INSURANCE COMPANY**; that the seal affixed to said instrument is the Corporate seal of said Company; that the said Corporate Seal and his signature were duly affixed.

COMMONWEALTH OF PENNSYLVANIA
NOTARIAL SEAL
Morgan Knapp, Notary Public
Lower Merion Twp., Montgomery County
My Commission Expires Sept. 25, 2021
MEMBER, PENNSYLVANIA ASSOCIATION OF NOTARIES

(Notary Seal)

Notary Public: Morgan Knapp

residing at: Bala Cynwyd, PA

My commission expires: September 25, 2021

I, Edward Sayago, Corporate Secretary of PHILADELPHIA INDEMNITY INSURANCE COMPANY, do hereby certify that the foregoing resolution of the Board of Directors and the Power of Attorney issued pursuant thereto on the 27th day of October, 2017 are true and correct and are still in full force and effect. I do further certify that Robert D. O'Leary Jr., who executed the Power of Attorney as President, was on the date of execution of the attached Power of Attorney the duly elected President of PHILADELPHIA INDEMNITY INSURANCE COMPANY.

In Testimony Whereof I have subscribed my name and affixed the facsimile seal of each Company this 3rd day of March, 20 20.

Edward Sayago, Corporate Secretary
PHILADELPHIA INDEMNITY INSURANCE COMPANY

CERTIFICATE OF RESOLUTION

The undersigned hereby certifies that the following are true and correct statements:

1. That the undersigned is the President *(insert title)* of A Cut Above Landscape & Maintenance, Inc. *(insert business name)* a Corporation *(insert business organization, i.e. corporation, LLC, LLP)*, organized and existing in good standing under the laws of the State of Florida ("Firm"), and that the following Resolutions are true and correct Resolutions adopted by the President *(insert form of management)* of the Firm on the day of February 12, 20 20, in accordance with the laws of the State of Florida *(where Firm is organized)* of the Firm, and Articles of Incorporation *(governing documents)* of the Firm.

RESOLVED, that the Firm shall enter into that certain Agreement between Palm Beach County, a political subdivision of the State of Florida, and the Firm, a copy of which is attached hereto, and be it

FURTHER RESOLVED, that Damon Rockett, the President of the Firm, is hereby authorized and instructed to execute such Agreement and such other instruments as may be necessary and appropriate for the Firm to fulfill its obligations under the Agreement.

2. That the foregoing Resolutions have not been modified, amended, rescinded, revoked or otherwise changed and remain in full force and effect as of the date hereof.

3. That the Firm is in good standing under the laws of the State of Florida or its state of formation, as provided above, and has qualified, if legally required, to do business in the State of Florida and has the full power and authority to enter into such Agreement.

IN WITNESS WHEREOF, the undersigned has set his/her hand and affixed the Seal of the Firm the day of Feb 12, 20 20.

Signature

(SEAL) Damon Rockett - President
Print Name and Title

STATE OF Florida
COUNTY OF Palm Beach

The foregoing instrument was acknowledged before me by means of ☑ physical presence or ☐ online notarization, this 12th day of February, 20 20, by Damon Rockett *(name)* as President *(title)* for A Cut Above Landscape & Maintenance, Inc. *(firm)*, on behalf of the *(choose one)* corporation / company / partnership, who is ☑ personally known to me or has produced _____ (type of identification) as identification.

Notary Signature
Notary Public, State of Florida

(Stamp/Seal)

SUNNIE HUFFMAN
Notary Public - State of Florida
Commission # GG 936151
My Comm. Expires Jan 24, 2024
Bonded through National Notary Assn.

Print Notary Name
Commission Number GG 936151
My Commission Expires 1/24/24

CC-1A

Palm Beach County
Office of Small Business Assistance

Certifies That

A Cut Above Landscaping & Maintenance, Inc.

Vendor # VC0000009701

is a Small Business Enterprise as prescribed by section 2-80.21 – 2-80.35 of the Palm Beach County Code for a three year period from July 8, 2017 - July 7, 2020

The following Services and/or Products are covered under this certification:

Grounds and Roadside Maintenance: Mowing, Edging, Plant, Not Tree Trimming, etc.; Irrigation Systems Installation, Maintenance and Repair; Landscaping, Including Design, Fertilizing, Planting, etc., Not Grounds Maintenance or Tree Trimming Services; Tree and Shrub Removal Services

Allen F. Gray, Manager

May 22, 2017

Palm Beach County Board of County Commissioners

Paulette Burdick, Mayor
Melissa McKinlay, Vice Mayor
Hal Valeche
Dave Kerner
Steven L. Abrams
Mary Lou Berger
Mack Bernard

County Administrator
Verdenia C. Baker

RICK SCOTT, GOVERNOR

JONATHAN ZACHEM, SECRETARY

Florida dbpr

STATE OF FLORIDA
DEPARTMENT OF BUSINESS AND PROFESSIONAL REGULATION

CONSTRUCTION INDUSTRY LICENSING BOARD

THE IRRIGATION SPECIALTY CONTRACTOR HEREIN IS CERTIFIED UNDER THE PROVISIONS OF CHAPTER 489, FLORIDA STATUTES

TYSON, BRIAN M

A CUT ABOVE LANDSCAPE AND MAINTENANCE, INC.
9180 NICKELS BLVD
BOYNTON BEACH FL 33436

LICENSE NUMBER: SCC131152097

EXPIRATION DATE: AUGUST 31, 2020

Always verify licenses online at MyFloridaLicense.com

Do not alter this document in any form.

This is your license. It is unlawful for anyone other than the licensee to use this document.

Florida dbpr

STATE OF FLORIDA DEPARTMENT OF BUSINESS AND PROFESSIONAL REGULATION

SCC131152097 ISSUED: 11/09/2018

IRRIGATION SPECIALTY CONTRACTOR

TYSON, BRIAN M

A CUT ABOVE LANDSCAPE AND MAINTENA

Signature

LICENSED UNDER CHAPTER 489, FLORIDA STATUTES

EXPIRATION DATE: AUGUST 31, 2020

A CUT ABOVE
LANDSCAPE & IRRIGATION
Design · Installation · Maintenance

1686 D Road
Loxahatchee, FL 33470
PH: 561.795.1995
FX: 561.795.8898

Similar Projects Information

(complete the following for each similar project)

Similar Project Experience	Name	K- Park
	Location	Wellington, Fl
	Total Construction Cost	$401,516.00
	Description	Installation of Landscape & Irrigation
Client/ Owner	Firm / Agency	Village of Wellington
	Contact person	Brian Hopper
	Phone number	561-791-4126
	Email	bhopper@wellingtonfl.gov
Bidder's Role (prime/subcontractor):		Prime
Portion of Project Completed by Bidder:		100%- Landscape & Irrigation
Construction Cost of Portion of Project Completed by Bidder:		100%

Similar Project Experience	Name	Clintmoore Road Beautification
	Location	Boca Raton, Fl
	Total Construction Cost	$412,551.86
	Description	Installation of Landscape & Irrigation
Client/ Owner	Firm / Agency	City of Boca Raton
	Contact person	Curtis Cahoon
	Phone number	561-416-3415
	Email	CCahoon@ci.boca-raton.fl.us
Bidder's Role (prime/subcontractor):		Prime
Portion of Project Completed by Bidder:		100%- Landscape & Irrigation
Construction Cost of Portion of Project Completed by Bidder:		100%

Similar Project Experience	Name	Landscape Improvements for Alt A1A
	Location	Jupiter, Fl
	Total Construction Cost	$521,490.11
	Description	Installation of Landscape & Irrigation
Client/ Owner	Firm / Agency	
	Contact person	Town of Jupiter
	Phone number	Scott Isberner
	Email	561-741-2215
Bidder's Role (prime/subcontractor):		ScottI@jupiter.fl.us Prime
Portion of Project Completed by Bidder:		100%- Landscape & Irrigation
Construction Cost of Portion of Project Completed by Bidder:		100%

Client#: 70769 CUTAB

ACORD™ CERTIFICATE OF LIABILITY INSURANCE

DATE (MM/DD/YYYY) 2/07/2020

THIS CERTIFICATE IS ISSUED AS A MATTER OF INFORMATION ONLY AND CONFERS NO RIGHTS UPON THE CERTIFICATE HOLDER. THIS CERTIFICATE DOES NOT AFFIRMATIVELY OR NEGATIVELY AMEND, EXTEND OR ALTER THE COVERAGE AFFORDED BY THE POLICIES BELOW. THIS CERTIFICATE OF INSURANCE DOES NOT CONSTITUTE A CONTRACT BETWEEN THE ISSUING INSURER(S), AUTHORIZED REPRESENTATIVE OR PRODUCER, AND THE CERTIFICATE HOLDER.

IMPORTANT: If the certificate holder is an ADDITIONAL INSURED, the policy(ies) must be endorsed. If SUBROGATION IS WAIVED, subject to the terms and conditions of the policy, certain policies may require an endorsement. A statement on this certificate does not confer rights to the certificate holder in lieu of such endorsement(s).

PRODUCER	CONTACT NAME: Karla Castro
Gulfshore Insurance - SFL 4100 Goodlette Rd N Naples, FL 34103 239 261-3646	PHONE (A/C, No, Ext): 239 263-4527 FAX (A/C, No): 239 213-2803 E-MAIL ADDRESS: kcastro@gulfshoreinsurance.com

INSURER(S) AFFORDING COVERAGE	NAIC #
INSURER A : Amerisure Insurance Company	19488
INSURER B : Commerce & Industry	19410
INSURER C : Federal Insurance Company	20281
INSURER D : Allstate Business Insurance	37907
INSURER E :	
INSURER F :	

INSURED
A Cut Above Landscape & Maintenance Inc
1686 D Road
Loxahatchee, FL 33470

COVERAGES CERTIFICATE NUMBER: REVISION NUMBER:

THIS IS TO CERTIFY THAT THE POLICIES OF INSURANCE LISTED BELOW HAVE BEEN ISSUED TO THE INSURED NAMED ABOVE FOR THE POLICY PERIOD INDICATED. NOTWITHSTANDING ANY REQUIREMENT, TERM OR CONDITION OF ANY CONTRACT OR OTHER DOCUMENT WITH RESPECT TO WHICH THIS CERTIFICATE MAY BE ISSUED OR MAY PERTAIN, THE INSURANCE AFFORDED BY THE POLICIES DESCRIBED HEREIN IS SUBJECT TO ALL THE TERMS, EXCLUSIONS AND CONDITIONS OF SUCH POLICIES. LIMITS SHOWN MAY HAVE BEEN REDUCED BY PAID CLAIMS.

INSR LTR	TYPE OF INSURANCE	ADDL INSR	SUBR WVD	POLICY NUMBER	POLICY EFF (MM/DD/YYYY)	POLICY EXP (MM/DD/YYYY)	LIMITS	
A	GENERAL LIABILITY	X	X	CPP20878670602	06/07/2019	06/07/2020	EACH OCCURRENCE	$1,000,000
	[X] COMMERCIAL GENERAL LIABILITY						DAMAGE TO RENTED PREMISES (Ea occurrence)	$1,000,000
	[ ] CLAIMS-MADE [X] OCCUR						MED EXP (Any one person)	$10,000
							PERSONAL & ADV INJURY	$1,000,000
							GENERAL AGGREGATE	$2,000,000
	GEN'L AGGREGATE LIMIT APPLIES PER:						PRODUCTS - COMP/OP AGG	$2,000,000
	[ ] POLICY [X] PRO-JECT [ ] LOC							$
D	AUTOMOBILE LIABILITY	X	X	648854694	06/07/2019	06/07/2020	COMBINED SINGLE LIMIT (Ea accident)	$1,000,000
	[ ] ANY AUTO						BODILY INJURY (Per person)	$
	[X] ALL OWNED AUTOS [ ] SCHEDULED AUTOS						BODILY INJURY (Per accident)	$
	[X] HIRED AUTOS [X] NON-OWNED AUTOS						PROPERTY DAMAGE (Per accident)	$
								$
B	[X] UMBRELLA LIAB [X] OCCUR			021369916	06/07/2019	06/07/2020	EACH OCCURRENCE	$2,000,000
	EXCESS LIAB [ ] CLAIMS-MADE						AGGREGATE	$2,000,000
	DED [X] RETENTION $0							$
A	WORKERS COMPENSATION AND EMPLOYERS' LIABILITY Y / N	N / A	X	WC21122500001	06/07/2019	06/07/2020	[X] WC STATU-TORY LIMITS [ ] OTH-ER	
	ANY PROPRIETOR/PARTNER/EXECUTIVE OFFICER/MEMBER EXCLUDED? [Y]						E.L. EACH ACCIDENT	$1,000,000
	(Mandatory in NH) If yes, describe under DESCRIPTION OF OPERATIONS below						E.L. DISEASE - EA EMPLOYEE	$1,000,000
							E.L. DISEASE - POLICY LIMIT	$1,000,000
C	Leased/Rented Equipment			45467076	06/07/2019	06/07/2020	$100,000 Limit $1,000 Deductible	

DESCRIPTION OF OPERATIONS / LOCATIONS / VEHICLES (Attach ACORD 101, Additional Remarks Schedule, if more space is required)

Project #2020053; Project Description: Annual Roadway Landscape
Palm Beach County Board of County Commissioners, a Political Subdivision of the State of Florida, its Officers, Employees and Agents are included as Additional Insured on a Primary and Non-Contributory basis with regard to General Liability only as required by written contract per form CG7048 1015, including Ongoing and Completed Operations. Waiver of Subrogation in regard to General Liability on form CG7289 0417. (See Attached Descriptions)

CERTIFICATE HOLDER

Palm Beach County Board of County Commissioners
c/o Engineering Department
Roadway Production Division
2300 N. Jog Road 3rd Floor West
West Palm Beach, FL 33411

CANCELLATION

SHOULD ANY OF THE ABOVE DESCRIBED POLICIES BE CANCELLED BEFORE THE EXPIRATION DATE THEREOF, NOTICE WILL BE DELIVERED IN ACCORDANCE WITH THE POLICY PROVISIONS.

AUTHORIZED REPRESENTATIVE

© 1988-2010 ACORD CORPORATION. All rights reserved.

DESCRIPTIONS (Continued from Page 1)

Additional Insured in regard to Auto Liability only as required by contract per form AAFL20 1117, including Waiver of Subrogation in favor of the Additional Insured. Waiver of Subrogation in regard to Workers Compensation only as required by written contract per form WC000313 0484.

BID TABULATIONS

ANNUAL ROADWAY LANDSCAPING CONTRACT

PBC PROJECT #2020053

ITEM #	ITEM DESCRIPTION	QTY	UNITS	ENGINEERS ESTIMATE	AVERAGE BID AMOUNT	A CUT ABOVE LANDSCAPE & MAINTENANCE, INC.		SUPERIOR LANDSCAPING & LAWN SERVICE, INC.	
				UNIT PRICE	UNIT PRICE	UNIT PRICE	TOTAL	UNIT PRICE	TOTAL
1	Agave (Agave Americana) 2' X 2', 7 Gal. Cont.	10	EA	$ 450.00	$ 71.25	$ 55.00	$ 550.00	$ 87.50	$ 875.00
2	Agave (Agave Americana) 30" X 30", 15 Gal. Cont.	10	EA	$ 125.00	$ 157.50	$ 140.00	$ 1,400.00	$ 175.00	$ 1,750.00
3	Agave (Agave Americana) 36" X 36", 25 Gal. Cont.	10	EA	$ 275.00	$ 336.25	$ 235.00	$ 2,350.00	$ 437.50	$ 4,375.00
4	False Agave (Furcraea foetida) 30"x 24" O.A, 7 Gal Cont.	10	EA	$ 100.00	$ 86.75	$ 86.00	$ 860.00	$ 87.50	$ 875.00
5	False Agave (Furcraea foetida) 3 x 3, 15 Gal Container	10	EA	$ 150.00	$ 152.00	$ 129.00	$ 1,290.00	$ 175.00	$ 1,750.00
6	False Agave (Furcraea foetida) 4 x 3, 25 Gal Container	10	EA	$ 250.00	$ 349.25	$ 261.00	$ 2,610.00	$ 437.50	$ 4,375.00
7	Alexander Palm (Ptychosperma Elegans) 4" Cal. Max., 14' - 16' OA, Single Trunk, Dense Canopy, B&B	50	EA	$ 425.00	$ 522.50	$ 450.00	$ 22,500.00	$ 595.00	$ 29,750.00
8	Alexander Palm (Ptychosperma Elegans) 4" Cal. Max., 14'-16' OA, Double Trunk, Dense Canopy, B&B	50	EA	$ 525.00	$ 695.00	$ 550.00	$ 27,500.00	$ 840.00	$ 42,000.00
9	Alexander Palm (Ptychosperma Elegans) 4" Cal. Max., 14' - 16' OA, Triple Trunk, Dense Canopy, B&B	50	EA	$ 625.00	$ 772.50	$ 600.00	$ 30,000.00	$ 945.00	$ 47,250.00
10	Areca Palm (Dypsis Lutescens) 6' - 8' OA, 5-7 Cane Min., 25 Gal. Container, Full to base	25	EA	$ 190.00	$ 206.25	$ 185.00	$ 4,625.00	$ 227.50	$ 5,687.50
11	Areca Palm (Dypsis Lutescens) 12' OA, Multi-Stem, 7-9 Cane Min., B&B, Full to Base	20	EA	$ 400.00	$ 335.00	$ 250.00	$ 5,000.00	$ 420.00	$ 8,400.00
12	Apple Blossom Shower (Cassis Javanica) 3" Cal., 14' OA X 5' Spr., 7' C.T., B&B	4	EA	$ 1,650.00	$ 1,506.25	$ 1,000.00	$ 4,000.00	$ 2,012.50	$ 8,050.00
13	Bald Cypress (Taxodium Distichum) 3" Cal., 12' OA X 4' Spr., 5' C.T., B&B	4	EA	$ 450.00	$ 536.25	$ 425.00	$ 1,700.00	$ 647.50	$ 2,590.00
14	Bald Cypress (Taxodium Distichum) 4" Cal., 16' OA X 5' Spr., 8' C.T., B&B	4	EA	$ 800.00	$ 687.50	$ 500.00	$ 2,000.00	$ 875.00	$ 3,500.00
15	Beauty Leaf (Calophyllum Brasiliense) 2.5-3" Cal., 12' OA X 5' Spr., 4'-5' C.T., B&B	4	EA	$ 500.00	$ 887.50	$ 550.00	$ 2,200.00	$ 1,225.00	$ 4,900.00
16	Beauty Leaf (Calophyllum Brasiliense) 3-4" Cal., 14' OA X 5' Spr., 5' -6' C.T., B&B	4	EA	$ 600.00	$ 1,193.75	$ 725.00	$ 2,900.00	$ 1,662.50	$ 6,650.00
17	Beauty Leaf (Calophyllum Brasiliense) 4-5" Cal., 16' OA X 6' Spr., 8' C.T., B&B	4	EA	$ 800.00	$ 1,606.25	$ 1,200.00	$ 4,800.00	$ 2,012.50	$ 8,050.00
18	Black Olive (Shady Lady-Bucida Buceras) 3" Cal., 14' OA X 5' Spr.,6' C.T., B&B	3	EA	$ 550.00	$ 643.75	$ 500.00	$ 1,500.00	$ 787.50	$ 2,362.50
19	Black Olive (Shady Lady- Bucida Buceras) 4" Cal., 16' OA X 8' Spr., 6'-8' C.T., B&B	4	EA	$ 750.00	$ 1,281.25	$ 550.00	$ 2,200.00	$ 2,012.50	$ 8,050.00
20	Cabbage Palm (Sabal Palmetto) >12" Cal.,10' C.T., Hurricane Cut , No Boots, B&B	30	EA	$ 300.00	$ 290.00	$ 300.00	$ 9,000.00	$ 280.00	$ 8,400.00
21	Cabbage Palm (Sabal Palmetto) >12" Cal., 14' C.T., Hurricane Cut, No Boots B&B	30	EA	$ 300.00	$ 290.00	$ 300.00	$ 9,000.00	$ 280.00	$ 8,400.00
22	Cabbage Palm (Sabal Palmetto) >12" Cal., 16' C.T., Hurricane Cut, No Boots, B&B	25	EA	$ 300.00	$ 290.00	$ 300.00	$ 7,500.00	$ 280.00	$ 7,000.00
23	Cabbage Palm (Sabal Palmetto) >12" Cal., 18' C.T., Hurricane Cut, No Boots, B&B	20	EA	$ 300.00	$ 290.00	$ 300.00	$ 6,000.00	$ 280.00	$ 5,600.00
24	Cabbage Palm (Sabal Palmetto) >12" Cal. Min., 10' C.T., Hurricane Cut, Booted, B&B,	30	EA	$ 300.00	$ 300.00	$ 320.00	$ 9,600.00	$ 280.00	$ 8,400.00
25	Cabbage Palm (Sabal Palmetto) >12" Cal. Min., 14' C.T., Hurricane Cut, Booted, B&B	30	EA	$ 300.00	$ 300.00	$ 320.00	$ 9,600.00	$ 280.00	$ 8,400.00
26	Cabbage Palm (Sabal Palmetto) >12" Cal. Min., 16' C.T., Hurricane Cut, Booted, B&B	25	EA	$ 300.00	$ 300.00	$ 320.00	$ 8,000.00	$ 280.00	$ 7,000.00
27	Cabbage Palm (Sabal Palmetto) >12" Cal. Min., 18' C.T., Hurricane Cut, Booted, B&B	20	EA	$ 300.00	$ 300.00	$ 320.00	$ 6,400.00	$ 280.00	$ 5,600.00
28	Chinese Fan Palm (Livistonia Chinesis) 12-16" Cal. Min., 10'OA, Dense Canopy, B&B	2	EA	$ 400.00	$ 487.50	$ 450.00	$ 900.00	$ 525.00	$ 1,050.00
29	Chinese Fan Palm (Livistonia Chinesis) 12 -16" Cal. Min., 12' OA, Dense Canopy, B&B	6	EA	$ 500.00	$ 565.00	$ 500.00	$ 3,000.00	$ 630.00	$ 3,780.00
30	Chinese Fan Palm (Livistonia Chinesis) 12"-16 Cal. Min., 14' OA, Dense Canopy, B&B	6	EA	$ 600.00	$ 667.50	$ 600.00	$ 3,600.00	$ 735.00	$ 4,410.00
31	Chinese Fan Palm (Livistonia Chinesis) 12-16" Cal. Min., 16' OA, Dense Canopy, B&B	6	EA	$ 700.00	$ 762.50	$ 650.00	$ 3,900.00	$ 875.00	$ 5,250.00
32	Coconut Palm (Cocos Nucifera "Maypan") 10" Cal Min., 6' G.W., B&B	6	EA	$ 1,500.00	$ 1,100.00	$ 800.00	$ 4,800.00	$ 1,400.00	$ 8,400.00
33	Coconut Palm (Cocos Nucifera "Maypan") 10" Cal. Min, 8' G.W., B&B	6	EA	$ 2,000.00	$ 1,360.00	$ 900.00	$ 5,400.00	$ 1,820.00	$ 10,920.00
34	Coconut Palm (Cocos Nucifera "Maypan") 10" Cal. Min., 10' G.W., B&B	6	EA	$ 2,500.00	$ 1,662.50	$ 1,050.00	$ 6,300.00	$ 2,275.00	$ 13,650.00

BID TABULATIONS

ANNUAL ROADWAY LANDSCAPING CONTRACT

PBC PROJECT #2020053

ITEM #	ITEM DESCRIPTION	QTY	UNITS	ENGINEERS ESTIMATE	AVERAGE BID AMOUNT	A CUT ABOVE LANDSCAPE & MAINTENANCE, INC.		SUPERIOR LANDSCAPING & LAWN SERVICE, INC.	
				UNIT PRICE	UNIT PRICE	UNIT PRICE	TOTAL	UNIT PRICE	TOTAL
35	Coconut Palm (Cocos Nucifera "Maypan") 12" Cal. Min., 12' G.W., B&B	5	EA	$ 3,000.00	$ 1,940.00	$ 1,150.00	$ 5,750.00	$ 2,730.00	$ 13,650.00
36	Crape Myrtle (Lagerstroemia Indica) 2.5" Cal., 12' OA X 4' Spr., 5' C.T., B&B, Std.	6	EA	$ 500.00	$ 575.00	$ 625.00	$ 3,750.00	$ 525.00	$ 3,150.00
37	Crape Myrtle (Lagerstroemia Indica) 3" Cal., 14' OA X 6' Spr., 5' C.T., B&B, Std.	6	EA	$ 600.00	$ 903.75	$ 775.00	$ 4,650.00	$ 1,032.50	$ 6,195.00
38	Crape Myrtle (Lagerstroemia Indica) 2.5" Cal., 12' OA X 4' Spr., 5' C.T., B&B, Multi Stem, Min. 4-5	6	EA	$ 500.00	$ 550.00	$ 575.00	$ 3,450.00	$ 525.00	$ 3,150.00
39	Crape Myrtle (Lagerstroemia Indica) 3" Cal., 14' OA X 6' Spr., 5' C.T., B&B, Multi Stem, Min. 4-5	6	EA	$ 600.00	$ 668.75	$ 725.00	$ 4,350.00	$ 612.50	$ 3,675.00
40	Dahoon Holly (Ilex Cassine) 2" Cal., 10' OA X 3' Spr., 4' C.T., B&B	6	EA	$ 400.00	$ 437.50	$ 350.00	$ 2,100.00	$ 525.00	$ 3,150.00
41	Dahoon Holly (Ilex Cassine) 2.5" - 3" Cal., 12' OA X 3.5 -4' Spr., 5' C.T., B&B	5	EA	$ 500.00	$ 793.75	$ 625.00	$ 3,125.00	$ 962.50	$ 4,812.50
42	Dahoon Holly (Ilex Cassine) 3.5" Cal., 14' OA X 4-5' Spr., 5' C.T., B&B	5	EA	$ 550.00	$ 1,481.25	$ 950.00	$ 4,750.00	$ 2,012.50	$ 10,062.50
43	Dahoon Nativa (Ilex Nativa) 2" Cal., 10' OA X 3' Spr., 4' C.T., 45 Gal Cont.	5	EA	$ 400.00	$ 660.00	$ 550.00	$ 2,750.00	$ 770.00	$ 3,850.00
44	Dahoon Nativa (Ilex Nativa) 2.5" Cal., 12' OA X 4' Spr., 6' C.T., 45 Gal Cont.	5	EA	$ 450.00	$ 822.50	$ 875.00	$ 4,375.00	$ 770.00	$ 3,850.00
45	East Palatka Holly (Ilex X Attenuata) 3" Cal., 14' OA X 4-5' Spr., 6' C.T., B&B	5	EA	$ 750.00	$ 1,043.75	$ 950.00	$ 4,750.00	$ 1,137.50	$ 5,687.50
46	East Palatka Holly (Ilex X Attenuata) 3.5"-4" Cal., 16' OA X 5-6' Spr., 7' C.T., B&B	5	EA	$ 900.00	$ 1,293.75	$ 1,100.00	$ 5,500.00	$ 1,487.50	$ 7,437.50
47	East Palatka Holly (Ilex X Attenuata) 4.5"-5" Cal., 18' OA X 6-8' Spr., 8' C.T., B&B	5	EA	$ 1,050.00	$ 1,500.00	$ 1,250.00	$ 6,250.00	$ 1,750.00	$ 8,750.00
48	Drake Elm (Ulmus Parvifolia "Drake) 3.5" Cal., 14' OA X 6' Spr., 8' C.T., B&B	4	EA	$ 525.00	$ 1,156.25	$ 1,000.00	$ 4,000.00	$ 1,312.50	$ 5,250.00
49	Drake Elm (Ulmus Parvifolia "Drake) 4"- 4.5" Cal., 16' OA X 8' Spr., 8½' C.T., B&B	4	EA	$ 600.00	$ 1,337.50	$ 1,100.00	$ 4,400.00	$ 1,575.00	$ 6,300.00
50	Foxtail Palm (Wodyetia Bifurcata) 8" Cal. Min., 6' GW, Dense Canopy, B&B	4	EA	$ 750.00	$ 787.50	$ 700.00	$ 2,800.00	$ 875.00	$ 3,500.00
51	Foxtail Palm (Wodyetia Bifurcata) 8" Cal. Min., 8' GW, Dense Canopy, B&B	4	EA	$ 900.00	$ 912.50	$ 775.00	$ 3,100.00	$ 1,050.00	$ 4,200.00
52	Foxtail Palm (Wodyetia Bifurcata) 10" Cal. Min., 10' GW, Dense Canopy, B&B	4	EA	$ 1,000.00	$ 1,037.50	$ 850.00	$ 3,400.00	$ 1,225.00	$ 4,900.00
53	Geiger (Cordia Sebestena) 1" Cal, 8' OA X 1.5' Spr., B&B	4	EA	$ 300.00	$ 412.50	$ 300.00	$ 1,200.00	$ 525.00	$ 2,100.00
54	Geiger (Cordia Sebestena) 1½" Cal., 10' OA X 2.5' Spr., B&B	4	EA	$ 400.00	$ 506.25	$ 400.00	$ 1,600.00	$ 612.50	$ 2,450.00
55	Glaucous Cassia (Senna Surattensis) 2.5" Cal., 12' OA X 4' Spr., 5' C.T., B&B	15	EA	$ 450.00	$ 781.25	$ 600.00	$ 9,000.00	$ 962.50	$ 14,437.50
56	Green Buttonwood (Conocarpus Erectus) 2" Cal., 10' OA X 3-4' Spr., 4' C.T., B&B	15	EA	$ 350.00	$ 412.50	$ 300.00	$ 4,500.00	$ 525.00	$ 7,875.00
57	Green Buttonwood (Conocarpus Erectus) 2.5" Cal., 12' OA X 4-5' Spr., 5' C.T., B&B	15	EA	$ 425.00	$ 793.75	$ 625.00	$ 9,375.00	$ 962.50	$ 14,437.50
58	Green Buttonwood (Conocarpus Erectus) 3" Cal., 14' OA X 6 -7' Spr. ,6' C.T., B&B	15	EA	$ 500.00	$ 918.75	$ 875.00	$ 13,125.00	$ 962.50	$ 14,437.50
59	Green Buttonwood (Conocarpus Erectus) 4" Cal., 16' OA X 7-8' Spr., 8' C.T., B&B	15	EA	$ 600.00	$ 1,281.25	$ 1,250.00	$ 18,750.00	$ 1,312.50	$ 19,687.50
60	Green Buttonwood (Conocarpus Erectus) 4.5" Cal., 20' OA X 8-10' Spr., 9' C.T., B&B	15	EA	$ 750.00	$ 2,056.25	$ 2,100.00	$ 31,500.00	$ 2,012.50	$ 30,187.50
61	Gumbo Limbo (Bursera Simaruba) 3" Cal., 12' OA X 4' Spr., 5' C.T., B&B	5	EA	$ 450.00	$ 781.25	$ 600.00	$ 3,000.00	$ 962.50	$ 4,812.50
62	Gumbo Limbo (Bursera Simaruba) 5" Cal., 18'OA X 6-7' Spr., 8' C.T., B&B	5	EA	$ 850.00	$ 1,881.25	$ 1,750.00	$ 8,750.00	$ 2,012.50	$ 10,062.50
63	Japanese Blueberry (Elaeocarpus Decipiens) 2.5" Cal., 10' OA X 3' Spr., 45 Gal. Std, 5' ct.	4	EA	$ 750.00	$ 806.25	$ 650.00	$ 2,600.00	$ 962.50	$ 3,850.00
64	Japanese Blueberry (Elaeocarpus Decipiens) 3" Cal., 12' OA X 4' Spr., 65 Gal Std. 5' ct.	4	EA	$ 1,000.00	$ 1,073.75	$ 800.00	$ 3,200.00	$ 1,347.50	$ 5,390.00
65	Jathropia, Standard, 4-5' OA, 25 Gal. Cont.	5	EA	$ 225.00	$ 275.00	$ 200.00	$ 1,000.00	$ 350.00	$ 1,750.00
66	Jathropia, Standard, 6-7' OA, 45 Gal Cont./B&B	5	EA	$ 300.00	$ 643.75	$ 325.00	$ 1,625.00	$ 962.50	$ 4,812.50
67	Jathropia, Multi-Stem, 6' Oa. Min., 45 Gal. Container/B&B	4	EA	$ 225.00	$ 641.25	$ 320.00	$ 1,280.00	$ 962.50	$ 3,850.00
68	Kopsia (Ochrosia Eliptica) ¾" Cal., 3-4' OA X 2-3' Spr., 2' C.T., 15 Gal. Cont.	4	EA	$ 200.00	$ 263.75	$ 300.00	$ 1,200.00	$ 227.50	$ 910.00

BID TABULATIONS ANNUAL ROADWAY LANDSCAPING CONTRACT PBC PROJECT #2020053				ENGINEERS ESTIMATE	AVERAGE BID AMOUNT	A CUT ABOVE LANDSCAPE & MAINTENANCE, INC.		SUPERIOR LANDSCAPING & LAWN SERVICE, INC.	
ITEM #	ITEM DESCRIPTION	QTY	UNITS	UNIT PRICE	UNIT PRICE	UNIT PRICE	TOTAL	UNIT PRICE	TOTAL
69	Kopsia (Ochrosia Eliptica) 1" Cal., 5-6' OA X 3-4' Spr., 3' C.T., 25 Gal. Cont.	4	EA	$ 325.00	$ 348.75	$ 400.00	$ 1,600.00	$ 297.50	$ 1,190.00
70	Laurel Oak (Quercus Laurifolia) 3" Cal. Min., 14' OA X 4½' Spr. Min., 6' C.T., B&B	6	EA	$ 700.00	$ 906.25	$ 850.00	$ 5,100.00	$ 962.50	$ 5,775.00
71	Laurel Oak (Quercus Laurifolia) 3.5"-4" Cal. Min., 16' OA X 5' Spr. Min., 8' C.T., B&B	6	EA	$ 800.00	$ 1,456.25	$ 1,250.00	$ 7,500.00	$ 1,662.50	$ 9,975.00
72	Laurel Oak (Quercus Laurifolia) 5"-6" Cal. Min., 18' OA X 5.5' Spr., 8' C.T., B&B	6	EA	$ 900.00	$ 2,006.25	$ 1,650.00	$ 9,900.00	$ 2,362.50	$ 14,175.00
73	Laurel Oak (Quercus Laurifolia) 6"- 8" Cal. Min., 20' OA X 6' Spr., 9' C.T., B&B	6	EA	$ 1,500.00	$ 2,862.50	$ 2,750.00	$ 16,500.00	$ 2,975.00	$ 17,850.00
74	Ligustrum (Ligustrum Japonicum) 8' hgt. x 8' spd. Multi Stem, Min 4-5 stems, B&B	10	EA	$ 625.00	$ 1,212.50	$ 850.00	$ 8,500.00	$ 1,575.00	$ 15,750.00
75	Ligustrum (Ligustrum Japonicum) 10 Hgt. x 10' Spd.' Multi Stem, 5' Ct. Min.4-5 stems B&B	10	EA	$ 1,025.00	$ 1,562.50	$ 1,200.00	$ 12,000.00	$ 1,925.00	$ 19,250.00
76	Live Oak (Quercus Virginiana) 3" Cal. Min., 14' OA X 4.5'-5' Spr., 6' C.T., B&B	5	EA	$ 875.00	$ 1,106.25	$ 900.00	$ 4,500.00	$ 1,312.50	$ 6,562.50
77	Live Oak (Quercus Virginiana) 3.5" Cal., Min., 16' OA X 5'-6' Spr., 8' C.T., B&B	5	EA	$ 1,000.00	$ 1,393.75	$ 1,300.00	$ 6,500.00	$ 1,487.50	$ 7,437.50
78	Live Oak (Quercus Virginiana) 4.5" Cal. Min., 18' OA X 6-7" Spr., 8' C.T., B&B	5	EA	$ 1,500.00	$ 1,812.50	$ 1,700.00	$ 8,500.00	$ 1,925.00	$ 9,625.00
79	Live Oak (Quercus Virginiana) 6" Cal. Min., 20' OA X 6' Spr., 9' C.T., B&B	5	EA	$ 2,000.00	$ 3,300.00	$ 2,750.00	$ 13,750.00	$ 3,850.00	$ 19,250.00
80	Madagascar Olive (Noronhia Emarginata) 1" Cal. Min., 8' OA X 4' Spr., 3' C.T., B&B	5	EA	$ 350.00	$ 412.50	$ 300.00	$ 1,500.00	$ 525.00	$ 2,625.00
81	Madagascar Olive (Noronhia Emarginata) 2" Cal. Min., 10' OA X 5' Spr., 4' C.T., B&B	5	EA	$ 450.00	$ 837.50	$ 450.00	$ 2,250.00	$ 1,225.00	$ 6,125.00
82	Madagascar Olive (Noronhia Emarginata) 2.5" Cal. Min., 12' OA X 5" Spr., 5' C.T., B&B	5	EA	$ 600.00	$ 1,137.50	$ 700.00	$ 3,500.00	$ 1,575.00	$ 7,875.00
83	Mahogany (Swietenia Mahogani) 4" Cal. Min., 16' OA X 8'-10' Spr., 8' C.T., B&B	5	EA	$ 650.00	$ 1,687.50	$ 1,450.00	$ 7,250.00	$ 1,925.00	$ 9,625.00
84	Mahogany (Swietenia Mahogani) 4.5" Cal. Min., 18' OA X 8' - 10' Spr., 8' C.T., B&B	5	EA	$ 800.00	$ 2,375.00	$ 2,125.00	$ 10,625.00	$ 2,625.00	$ 13,125.00
85	Montgomery Palm (Veitchia Montgomeryana) 8-10" Cal. Min., 12-14' OA, Sgl Stem, B&B	5	EA	$ 450.00	$ 562.50	$ 600.00	$ 3,000.00	$ 525.00	$ 2,625.00
86	Montgomery Palm (Veitchia Montgomeryana) 8-10" Cal. Min., 14-16' OA, Dbl Stem, B&B	5	EA	$ 600.00	$ 743.75	$ 700.00	$ 3,500.00	$ 787.50	$ 3,937.50
87	Montgomery Palm (Veitchia Montgomeryana) 8-10" Cal. Min., 16-18' OA, Tpl. Stem, B&B	5	EA	$ 750.00	$ 968.75	$ 800.00	$ 4,000.00	$ 1,137.50	$ 5,687.50
88	Oleander (Nerium Oleander) Standard, 1¼" Cal., 8' OA X 2.5' Spr., 3' C.T., B&B	10	EA	$ 200.00	$ 300.00	$ 250.00	$ 2,500.00	$ 350.00	$ 3,500.00
89	Oleander (Nerium Oleander) Standard, 2" Cal., 10' OA X 3.5' Spr., 4' C.T., 25 Gal Cont. or B&B	10	EA	$ 300.00	$ 506.25	$ 400.00	$ 4,000.00	$ 612.50	$ 6,125.00
90	Oleander (Nerium Oleander) Standard, 2.5" Cal., 12' OA X 4' Spr., 5' C.T., 65 Gal Cont. or B&B	10	EA	$ 400.00	$ 668.75	$ 550.00	$ 5,500.00	$ 787.50	$ 7,875.00
91	Orchid Tree (Bauhinia Blakeana) 2½" Cal., 14' OA X 4½' Spr., 6' C.T., B&B	5	EA	$ 600.00	$ 695.00	$ 550.00	$ 2,750.00	$ 840.00	$ 4,200.00
92	Paurotis Palm (Acoelrrhaphe Wrightii) 10-12' OA X 6' SPR, Min. 6-7 Main Trunks, Dense Canopy, B&B	10	EA	$ 600.00	$ 1,050.00	$ 1,050.00	$ 10,500.00	$ 1,050.00	$ 10,500.00
93	Paurotis Palm (Acoelrrhaphe Wrightii) 14-16' OA X 7' SPR, Min. 8-10 Main Trunks, Dense Canopy, B&B	10	EA	$ 750.00	$ 1,300.00	$ 1,200.00	$ 12,000.00	$ 1,400.00	$ 14,000.00
94	Pigeon Plum (Coccoloba Diversifolia) 2" Cal., 10' - 12' OA X 3.5' Spr., 4' C.T., B&B	10	EA	$ 600.00	$ 515.00	$ 400.00	$ 4,000.00	$ 630.00	$ 6,300.00
95	Pigeon Plum (Coccoloba Diversifolia) 2½" Cal., 12' - 14' OA X 4' Spr., 5' C.T., B&B	10	EA	$ 700.00	$ 737.50	$ 600.00	$ 6,000.00	$ 875.00	$ 8,750.00
96	Pitch Apple (Clusia Rosea) 2" Cal., 8-10' OA X 4-5' Spr., 3-4' C.T., 45 Gal.Cont.	10	EA	$ 750.00	$ 706.25	$ 450.00	$ 4,500.00	$ 962.50	$ 9,625.00
97	Pitch Apple (Clusia Rosea) 2.5" Cal., 12-14' OA X 4-5' Spr., 4-5' C.T., B&B	10	EA	$ 900.00	$ 1,025.00	$ 1,000.00	$ 10,000.00	$ 1,050.00	$ 10,500.00
98	Pond Apple (Annona glabra) 2" Cal; 6-7' OA, 3' C.T. 25 Gal.	10	EA	$ 200.00	$ 386.25	$ 300.00	$ 3,000.00	$ 472.50	$ 4,725.00
99	Pond Apple (Annona glabra) 2.5" Cal; 8-10' OA, 3-4' C.T. B&B	10	EA	$ 300.00	$ 525.00	$ 350.00	$ 3,500.00	$ 700.00	$ 7,000.00
100	Pygmy Date Palm (Phoenix Roebelenii) 5-6' OA , Sgl., B&B	5	EA	$ 175.00	$ 208.75	$ 225.00	$ 1,125.00	$ 192.50	$ 962.50
101	Pygmy Date Palm (Phoenix Roebelenii) 5-6' OA , Dbl., B&B, Matched Stems	5	EA	$ 225.00	$ 242.50	$ 275.00	$ 1,375.00	$ 210.00	$ 1,050.00
102	Pygmy Date Palm (Phoenix Roebelenii) 6-8' OA , Tpl. B&B, Matched Stems	5	EA	$ 350.00	$ 372.50	$ 325.00	$ 1,625.00	$ 420.00	$ 2,100.00

BID TABULATIONS

ANNUAL ROADWAY LANDSCAPING CONTRACT

PBC PROJECT #2020053

ITEM #	ITEM DESCRIPTION	QTY	UNITS	ENGINEERS ESTIMATE	AVERAGE BID AMOUNT	A CUT ABOVE LANDSCAPE & MAINTENANCE, INC.		SUPERIOR LANDSCAPING & LAWN SERVICE, INC.	
				UNIT PRICE	UNIT PRICE	UNIT PRICE	TOTAL	UNIT PRICE	TOTAL
103	Redbay (Persea Borbonia) 2" Cal., 8-10' OA X 4' Spr., 3-4' C.T., 45 gal. Cont.	10	EA	$ 200.00	$ 537.50	$ 550.00	$ 5,500.00	$ 525.00	$ 5,250.00
104	Red Maple (Acer Rubrum) 2.5-3" Cal., 12' OA X 4-5' Spr., 4-5' C.T., 65gal. Cont./B&B	10	EA	$ 300.00	$ 800.00	$ 550.00	$ 5,500.00	$ 1,050.00	$ 10,500.00
105	Red Maple (Acer Rubrum) 3" Cal., 14' OA X 5' Spr., 6' C.T., B&B	10	EA	$ 350.00	$ 1,017.50	$ 600.00	$ 6,000.00	$ 1,435.00	$ 14,350.00
106	Red Maple (Acer Rubrum) 3.5 -4" Cal., 16' OA X 6' Spr., 6' C.T., B&B	10	EA	$ 450.00	$ 1,272.50	$ 900.00	$ 9,000.00	$ 1,645.00	$ 16,450.00
107	Red Maple (Acer Rubrum) 4" Cal.,18' OA X 8' Spr., 8' C.T., B&B	10	EA	$ 675.00	$ 1,832.50	$ 1,250.00	$ 12,500.00	$ 2,415.00	$ 24,150.00
108	Royal Palm (Roystonea Elata) 24" Cal. Min., 10' G.W., Dense Canopy, B&B	4	EA	$ 1,500.00	$ 1,875.00	$ 2,000.00	$ 8,000.00	$ 1,750.00	$ 7,000.00
109	Royal Palm (Roystonea Elata) 30" Cal. Min., 12' G.W., Dense Canopy, B&B	4	EA	$ 2,000.00	$ 2,300.00	$ 2,500.00	$ 10,000.00	$ 2,100.00	$ 8,400.00
110	Sea Grape (Coccoloba Uvifera) 1½" Cal., 6-8' OA , Bush, 45 Gal. Container,	5	EA	$ 225.00	$ 352.50	$ 180.00	$ 900.00	$ 525.00	$ 2,625.00
111	Sea Grape (Coccoloba Uvifera) 2½" Cal., 10'-12 OA , Bush, B&B	5	EA	$ 600.00	$ 515.00	$ 400.00	$ 2,000.00	$ 630.00	$ 3,150.00
112	Silver Buttonwood (Conocarpus Erectus Sericeus) 2" Cal., 10' OA X 3.5' Spr., 4' C.T., 45 gal. Cont	10	EA	$ 400.00	$ 706.25	$ 450.00	$ 4,500.00	$ 962.50	$ 9,625.00
113	Silver Buttonwood (Conocarpus Erectus Sericeus) 2-2.5" Cal., 12' OA X 4' Spr., 6' C.T., B&B or 65 GAL. Cont.	10	EA	$ 600.00	$ 962.50	$ 700.00	$ 7,000.00	$ 1,225.00	$ 12,250.00
114	Silver Buttonwood (Conocarpus Erectus Sericeus) 2.5-3" Cal., 14' OA X 5' Spr., 8' C.T., B&B	10	EA	$ 700.00	$ 1,212.50	$ 1,200.00	$ 12,000.00	$ 1,225.00	$ 12,250.00
115	Simpson's Stopper (MyrcIanthes Fragrans) 1" Cal., 6' OA X 14" Spr., 2' C.T., 45 gal Cont.	6	EA	$ 360.00	$ 481.25	$ 175.00	$ 1,050.00	$ 787.50	$ 4,725.00
116	Simpson's Stopper (MyrcIanthes Fragrans) 1.5" Cal., 8' OA X 22" Spr., 3' C.T., 65 gal Cont. or B&B	6	EA	$ 450.00	$ 743.75	$ 350.00	$ 2,100.00	$ 1,137.50	$ 6,825.00
117	Simpson's Stopper (Myrclanthes Fragrans) 2.5" Cal., 10' OA X 3' Spr., 4' C.T., B&B	6	EA	$ 375.00	$ 1,143.75	$ 625.00	$ 3,750.00	$ 1,662.50	$ 9,975.00
118	South Florida Slash Pine (Pinus Elliotti 'Densa') 2" Cal., 8' OA X 30" Spr., 2' C.T., 30 Gal. Container	6	EA	$ 300.00	$ 381.25	$ 325.00	$ 1,950.00	$ 437.50	$ 2,625.00
119	South Florida Slash Pine (Pinus Elliotti 'Densa') 2.5" Cal., 10' OA X 3' Spr., 3' C.T., 45 Gal. Container	6	EA	$ 400.00	$ 557.50	$ 450.00	$ 2,700.00	$ 665.00	$ 3,990.00
120	South Florida Slash Pine (Pinus Elliotti 'Densa') 3" Cal., 12' OA X 3' Spr., 4' C.T., 65 Gal. Container	6	EA	$ 500.00	$ 712.50	$ 550.00	$ 3,300.00	$ 875.00	$ 5,250.00
121	South Florida Slash Pine (Pinus Elliotti 'Densa') 4" Cal., 14'-16' OA X 4' Spr., 5' C.T., 65 Gal. Container or B&B	6	EA	$ 550.00	$ 893.75	$ 650.00	$ 3,900.00	$ 1,137.50	$ 6,825.00
122	Spanish Stopper (Eugenia Foetida) 1" Cal., 6' OA X 2' Spr., 2' C.T., 25 gal Cont.	4	EA	$ 250.00	$ 287.50	$ 225.00	$ 900.00	$ 350.00	$ 1,400.00
123	Spanish Stopper (Eugenia Foetida) 1½" Cal., 8' OA X 30" Spr., 3' C.T., B&B	4	EA	$ 375.00	$ 468.75	$ 325.00	$ 1,300.00	$ 612.50	$ 2,450.00
124	Spanish Stopper (Eugenia Foetida) 2½" Cal., 10' OA X 36" Spr., 4' C.T., B&B	4	EA	$ 450.00	$ 1,043.75	$ 425.00	$ 1,700.00	$ 1,662.50	$ 6,650.00
125	Thatch Palm (Thrinax Radiata) 4" Cal. Min., 6' OA, Dense Canopy, B&B	6	EA	$ 450.00	$ 565.00	$ 500.00	$ 3,000.00	$ 630.00	$ 3,780.00
126	Thatch Palm (Thrinax Radiata) 4" Cal. Min., 8' OA, Dense Canopy, B&B	6	EA	$ 500.00	$ 735.00	$ 700.00	$ 4,200.00	$ 770.00	$ 4,620.00
127	Thatch Palm (Thrinax Radiata) 3" Cal. Min., 10' OA, Dense Canopy, B&B	6	EA	$ 625.00	$ 975.00	$ 900.00	$ 5,400.00	$ 1,050.00	$ 6,300.00
128	Thatch Palm (Thrinax Radiata) 4" Cal. Min., 12' OA, Dense Canopy, B&B	6	EA	$ 700.00	$ 1,162.50	$ 1,100.00	$ 6,600.00	$ 1,225.00	$ 7,350.00
129	Thatch Palm (Thrinax Radiata) 4" Cal. Min., 14' OA, Dense Canopy, B&B	6	EA	$ 800.00	$ 1,350.00	$ 1,300.00	$ 7,800.00	$ 1,400.00	$ 8,400.00
130	Washington Palm (Washingtonia Robusta) 18" Cal. Min., 14' 0A, Dense Canopy, B&B	6	EA	$ 525.00	$ 495.00	$ 500.00	$ 3,000.00	$ 490.00	$ 2,940.00
131	Washington Palm (Washingtonia Robusta) 18" Cal. Min., 16' 0A, Dense Canopy, B&B	6	EA	$ 600.00	$ 580.00	$ 600.00	$ 3,600.00	$ 560.00	$ 3,360.00
132	Washington Palm (Washingtonia Robusta) 24" Cal. Min., 18' 0A, Dense Canopy, B&B	6	EA	$ 675.00	$ 665.00	$ 700.00	$ 4,200.00	$ 630.00	$ 3,780.00
133	Washington Palm (Washingtonia Robusta) 30" Cal. Min., 20' 0A, Dense Canopy, B&B	6	EA	$ 750.00	$ 750.00	$ 800.00	$ 4,800.00	$ 700.00	$ 4,200.00
134	Wax Myrtle (Myrica Cerifera) 1¼" Cal., 8' OA X 4' Spr., 3' C.T., 30 Gal. Container, Multi Stem	5	EA	$ 250.00	$ 300.00	$ 250.00	$ 1,250.00	$ 350.00	$ 1,750.00
135	Wax Myrtle (Myrica Cerifera) 2" Cal., 10' OA X5' Spr., 4' C.T., 45 Gal. Cont. Multi Stem	5	EA	$ 400.00	$ 450.00	$ 375.00	$ 1,875.00	$ 525.00	$ 2,625.00

BID TABULATIONS ANNUAL ROADWAY LANDSCAPING CONTRACT PBC PROJECT #2020053				ENGINEERS ESTIMATE	AVERAGE BID AMOUNT	A CUT ABOVE LANDSCAPE & MAINTENANCE, INC.		SUPERIOR LANDSCAPING & LAWN SERVICE, INC.	
ITEM #	ITEM DESCRIPTION	QTY	UNITS	UNIT PRICE	UNIT PRICE	UNIT PRICE	TOTAL	UNIT PRICE	TOTAL
136	Wax Myrtle (Myrica Cerifera) 2½" Cal., 12' OA X 6' Spr., 5' C.T., B&B, Mult Stem	5	EA	$ 550.00	$ 600.00	$ 500.00	$ 2,500.00	$ 700.00	$ 3,500.00
137	Weeping Fig (Ficus Benjamina) 4-5' Hgt X 30" Spr., 15 Gal. Container	4	EA	$ 90.00	$ 153.75	$ 150.00	$ 600.00	$ 157.50	$ 630.00
138	Weeping Fig (Ficus Benjamina) 6'-7' Hgt X 36" spr., 25 Gal. Container	4	EA	$ 200.00	$ 277.50	$ 275.00	$ 1,100.00	$ 280.00	$ 1,120.00
139	Weeping Fig (Ficus Benjamina) 8 Hgt' X 4' Spr, Full to Base, 45 Gal Cont.	4	EA	$ 450.00	$ 506.25	$ 400.00	$ 1,600.00	$ 612.50	$ 2,450.00
140	White Stopper (Eugenia Axcillaris) 1" Cal., 6' OA X 14" Spr., 3' C.T., 25 Gal Cont.	4	EA	$ 300.00	$ 337.50	$ 325.00	$ 1,300.00	$ 350.00	$ 1,400.00
141	White Stopper (Eugenia Axcillaris) 1½" Cal., 8' OA X 30" Spr., 3' C.T., 45 Gal. Cont.	4	EA	$ 600.00	$ 518.75	$ 425.00	$ 1,700.00	$ 612.50	$ 2,450.00
142	White Stopper (Eugenia Axcillaris) 2½" Cal., 10' OA X 34" Spr., 4' C.T., B&B	4	EA	$ 600.00	$ 1,093.75	$ 525.00	$ 2,100.00	$ 1,662.50	$ 6,650.00
143	Wild Tamarind (Lysiloma Latisliqua) 3" Cal., 16' OA X 5 Spr., 8' C.T., B&B	10	EA	$ 600.00	$ 1,406.25	$ 1,150.00	$ 11,500.00	$ 1,662.50	$ 16,625.00
144	Winin Palm (Veitchia Winin) 8" Cal. Min., 12-14' OA, Dense Canopy, B&B	10	EA	$ 450.00	$ 792.50	$ 850.00	$ 8,500.00	$ 735.00	$ 7,350.00
145	Winin Palm (Veitchia Winin) 10" Cal. Min., 14-16' OA, Dense Canopy, B&B	10	EA	$ 650.00	$ 920.00	$ 1,000.00	$ 10,000.00	$ 840.00	$ 8,400.00
146	White Tabeuia (Tabebuia bahamensis) 2,5" - 3" Cal., 12' OA X 4' Spr., 6' C.T., 45 Gal. Cont./ B&B	10	EA	$ 450.00	$ 975.00	$ 900.00	$ 9,000.00	$ 1,050.00	$ 10,500.00
147	Yellow Tabeuia (Tabebuia Caraiba) 3½" Cal., 16' OA X 5 Spr., 8' C.T., B&B	10	EA	$ 500.00	$ 900.00	$ 750.00	$ 7,500.00	$ 1,050.00	$ 10,500.00
148	Verawood (Bulnesia Arborea) 2.5"-3" Cal., 12' OA X 5' Spr., 6' C.T., B&B,	10	EA	$ 700.00	$ 1,068.75	$ 825.00	$ 8,250.00	$ 1,312.50	$ 13,125.00
149	Vines: Coral Honeysuckel Vine (Lonicera Sempervirens) 3' OA X 16" Spr., on Trellis, 7 Gal. Container, Native Flower	10	EA	$ 75.00	$ 75.00	$ 45.00	$ 450.00	$ 105.00	$ 1,050.00
150	Vines: Confederate Jasmine (Trachelospermum Jasminoides) 3' OA X 16" Spr., on Trellis, 7 Gal. Container	10	EA	$ 75.00	$ 75.00	$ 45.00	$ 450.00	$ 105.00	$ 1,050.00
151	Vines: Skyblue Cluster Vine(Jacquemontia pentanthos) 3' OA X 16" Spr., on Trellis, 7 Gal. Container, Native Flower	10	EA	$ 75.00	$ 77.50	$ 50.00	$ 500.00	$ 105.00	$ 1,050.00
152	Vines: Flame Vine (Pyrostegia venusta) 3' OA X 16" Spr., on Trellis, 7 Gal. Container	10	EA	$ 75.00	$ 77.50	$ 50.00	$ 500.00	$ 105.00	$ 1,050.00
153	Accent Plants, 1 Gal. Container; See example plant list	250	EA	$ 20.00	$ 9.38	$ 10.00	$ 2,500.00	$ 8.75	$ 2,187.50
154	Accent Plants, 3 Gal. Container, See example plant list	250	EA	$ 30.00	$ 22.00	$ 30.00	$ 7,500.00	$ 14.00	$ 3,500.00
155	Groundcovers, 1 Gal. Container, See example plant list	200	EA	$ 20.00	$ 9.38	$ 10.00	$ 2,000.00	$ 8.75	$ 1,750.00
156	Woody Ornamentals, 3 Gal. Container, See example plant list	200	EA	$ 30.00	$ 28.13	$ 30.00	$ 6,000.00	$ 26.25	$ 5,250.00
157	Woody Ornamentals, 7 Gal. Container, See example plant list	200	EA	$ 75.00	$ 83.25	$ 65.00	$ 13,000.00	$ 101.50	$ 20,300.00
158	Root pruning of Palms, See Specification	25	HR	$ 125.00	$ 87.50	$ 75.00	$ 1,875.00	$ 100.00	$ 2,500.00
159	Root Pruning of Hardwoods, See specification	25	HR	$ 125.00	$ 87.50	$ 75.00	$ 1,875.00	$ 100.00	$ 2,500.00
160	Tree Trimming - Large; Over 18' in height	100	HR	$ 140.00	$ 100.00	$ 100.00	$ 10,000.00	$ 100.00	$ 10,000.00
161	Tree Trimming - Small; 18' or less in height	200	HR	$ 140.00	$ 90.00	$ 100.00	$ 20,000.00	$ 80.00	$ 16,000.00
162	Palm Trimming - Large; Over 18' in height	500	HR	$ 140.00	$ 82.50	$ 100.00	$ 50,000.00	$ 65.00	$ 32,500.00
163	Palm Trimming - Small; 18' or less in height	100	HR	$ 140.00	$ 72.50	$ 100.00	$ 10,000.00	$ 45.00	$ 4,500.00
164	Tree Removal - Large; over 40' wide canopy "Include dump Charges"	10	HR	$ 200.00	$ 111.00	$ 100.00	$ 1,000.00	$ 122.00	$ 1,220.00
165	Tree Removal - Medium; 20' - 40' wide canopy "Include dump Charges"	10	HR	$ 150.00	$ 100.00	$ 100.00	$ 1,000.00	$ 100.00	$ 1,000.00
166	Tree Removal - Small; Less than 20' wide canopy "Include dump Charges"	10	HR	$ 125.00	$ 92.50	$ 100.00	$ 1,000.00	$ 85.00	$ 850.00
167	Remove Tree (Less Than 12" Caliper) "Include dump Charges"	25	HR	$ 150.00	$ 92.50	$ 100.00	$ 2,500.00	$ 85.00	$ 2,125.00
168	Remove Tree (12" - 24" Caliper) "Include dump Charges"	25	HR	$ 175.00	$ 100.00	$ 100.00	$ 2,500.00	$ 100.00	$ 2,500.00

BID TABULATIONS

ANNUAL ROADWAY LANDSCAPING CONTRACT

PBC PROJECT #2020053

ITEM #	ITEM DESCRIPTION	QTY	UNITS	ENGINEERS ESTIMATE	AVERAGE BID AMOUNT	A CUT ABOVE LANDSCAPE & MAINTENANCE, INC.		SUPERIOR LANDSCAPING & LAWN SERVICE, INC.	
				UNIT PRICE	UNIT PRICE	UNIT PRICE	TOTAL	UNIT PRICE	TOTAL
169	Remove Palm (All Sizes) "Include dump Charges"	25	HR	$ 150.00	$ 111.00	$ 100.00	$ 2,500.00	$ 122.00	$ 3,050.00
170	Stump Removal 12-60" Dia "Include dump Charges"	10	HR	$ 250.00	$ 111.00	$ 100.00	$ 1,000.00	$ 122.00	$ 1,220.00
171	Palm Relocation by 90" Mounted Tree Spade - farther than 5 miles	10	HR	$ 200.00	$ 390.00	$ 500.00	$ 5,000.00	$ 280.00	$ 2,800.00
172	Palm Relocation by 90" Mounted Tree Spade - within 5 miles	10	HR	$ 175.00	$ 365.00	$ 450.00	$ 4,500.00	$ 280.00	$ 2,800.00
173	Palm Relocation by Crane - farther than 5 miles	10	HR	$ 400.00	$ 447.50	$ 500.00	$ 5,000.00	$ 395.00	$ 3,950.00
174	Palm Relocation by Crane - within 5 miles	10	HR	$ 325.00	$ 422.50	$ 450.00	$ 4,500.00	$ 395.00	$ 3,950.00
175	Tree Relocation by 90" Tree Mounted Spade within 5 miles	10	HR	$ 225.00	$ 372.50	$ 450.00	$ 4,500.00	$ 295.00	$ 2,950.00
176	Tree Relocation by 90" Tree Mounted Spade further than 5 miles	10	HR	$ 275.00	$ 397.50	$ 500.00	$ 5,000.00	$ 295.00	$ 2,950.00
177	Tree Relocation by Crane - Farther than 5 miles	10	HR	$ 500.00	$ 447.50	$ 500.00	$ 5,000.00	$ 395.00	$ 3,950.00
178	Tree Relocation by Crane - Within 5 miles	10	HR	$ 450.00	$ 422.50	$ 450.00	$ 4,500.00	$ 395.00	$ 3,950.00
Furnish and Install Sod									
179	Site Preparation and Installation of St. Augustine "Floratam" Sod	80,000	SF	$ 0.70	$ 0.92	$ 0.85	$ 68,000.00	$ 0.98	$ 78,400.00
180	Site Preparation and Installation of Bahia "Argentine" Sod	12,000	SF	$ 0.60	$ 0.75	$ 0.60	$ 7,200.00	$ 0.90	$ 10,800.00
181	Site Preparation and Installation of Bahia "Argentine" Seed	11,000	SY	$ 3.00	$ 2.95	$ 1.00	$ 11,000.00	$ 4.90	$ 53,900.00
182	Furnish and Install Topsoil	275	CY	$ 36.00	$ 59.50	$ 50.00	$ 13,750.00	$ 69.00	$ 18,975.00
183	Furnish and Install #2 Fill Soil	275	CY	$ 45.00	$ 55.00	$ 50.00	$ 13,750.00	$ 60.00	$ 16,500.00
184	Furnish and Install Mulch -Bulk	275	CY	$ 9.00	$ 58.00	$ 50.00	$ 13,750.00	$ 66.00	$ 18,150.00
185	Furnish and Install Mulch - 3 Cu. Ft. Bag	275	BAG	$ 8.00	$ 5.50	$ 4.00	$ 1,100.00	$ 7.00	$ 1,925.00
186	Furnish and Apply Fertilizer - Irrigated Sod	5	BAG	$ 50.00	$ 57.50	$ 50.00	$ 250.00	$ 65.00	$ 325.00
187	Furnish and Apply Fertilizer - un-Irrigated Sod	5	BAG	$ 50.00	$ 57.50	$ 50.00	$ 250.00	$ 65.00	$ 325.00
188	Furnish and Apply Weed & Feed Fertilizer - Irrigated Sod	5	BAG	$ 75.00	$ 65.00	$ 60.00	$ 300.00	$ 70.00	$ 350.00
189	Furnish and Apply Weed & Feed Fertilizer - un-Irrigated Sod	5	BAG	$ 75.00	$ 65.00	$ 60.00	$ 300.00	$ 70.00	$ 350.00
190	Furnish and Install Rigid Root Barrier	275	LF	$ 45.00	$ 37.00	$ 45.00	$ 12,375.00	$ 29.00	$ 7,975.00
191	Furnish and Install Flexible Root Barrier	275	LF	$ 55.00	$ 42.00	$ 55.00	$ 15,125.00	$ 29.00	$ 7,975.00
192	Excavation of Existing/Dead Material (incl. Removal/Disposal)	10	HR	$ 100.00	$ 144.00	$ 100.00	$ 1,000.00	$ 188.00	$ 1,880.00
193	50/50 Backfill (Furnish and Install)	10	CY	$ 35.00	$ 60.00	$ 60.00	$ 600.00	$ 60.00	$ 600.00
194	Painting of Three (3) Vertical Stake System (as Specified)	150	EA	$ 25.00	$ 50.00	$ 60.00	$ 9,000.00	$ 40.00	$ 6,000.00
195	Painting of Four (4) Vertical Stake System (as Specified)	75	EA	$ 25.00	$ 65.00	$ 80.00	$ 6,000.00	$ 50.00	$ 3,750.00
196	Painting of Four (4) Brace System (as Specified)	175	EA	$ 25.00	$ 67.50	$ 80.00	$ 14,000.00	$ 55.00	$ 9,625.00
197	Re-Staking of Three (3) Vertical Stake System (per Stake)	10	EA	$ 35.00	$ 95.00	$ 100.00	$ 1,000.00	$ 90.00	$ 900.00
198	Re-Staking of Four (4) Vertical Stake System (per Stake)	6	EA	$ 35.00	$ 110.00	$ 125.00	$ 750.00	$ 95.00	$ 570.00
199	Re-Staking of Four (4) Brace System (per Stake)	5	EA	$ 35.00	$ 122.50	$ 150.00	$ 750.00	$ 95.00	$ 475.00
200	Watering (as Specified)	350	HR	$ 35.00	$ 72.50	$ 60.00	$ 21,000.00	$ 85.00	$ 29,750.00

BID TABULATIONS ANNUAL ROADWAY LANDSCAPING CONTRACT PBC PROJECT #2020053				ENGINEERS ESTIMATE	AVERAGE BID AMOUNT	A CUT ABOVE LANDSCAPE & MAINTENANCE, INC.		SUPERIOR LANDSCAPING & LAWN SERVICE, INC.	
ITEM #	ITEM DESCRIPTION	QTY	UNITS	UNIT PRICE	UNIT PRICE	UNIT PRICE	TOTAL	UNIT PRICE	TOTAL
Turf Maintenance									
201	Small Machine (Riding or Walk-behind Turf Equipment) Turf Maintenance, Including Mowing, Edging, Trimming, Litter Collection and Disposal	10	AC	$ 125.00	$ 269.00	$ 250.00	$ 2,500.00	$ 288.00	$ 2,880.00
202	Large Machine (i.e. Trackor PTO, or Bellie Tracker) Turf Maintenance, Including Mowing, Edging, Trimming, Litter Collection and Disposal	6	AC	$ 150.00	$ 159.00	$ 250.00	$ 1,500.00	$ 68.00	$ 408.00
County Wide Irrigation Products and Services - See Pay Item Footnote #15									
203	2" HDPE Directional Bore Irrigation Sleeve (See Pay Item Footnote #15)	75	LF	$ 40.00	$ 39.75	$ 30.00	$ 2,250.00	$ 49.50	$ 3,712.50
204	2-1/2" HDPE Directional Bore Irrigation Sleeve (See Pay Item Footnote #15)	75	LF	$ 45.00	$ 42.40	$ 32.00	$ 2,400.00	$ 52.80	$ 3,960.00
205	3" HDPE Directional Bore Irrigation Sleeve (See pay Item Footnote #15)	75	LF	$ 50.00	$ 51.35	$ 40.00	$ 3,000.00	$ 62.70	$ 4,702.50
206	4" HDPE Directional Bore Irrigation Sleeve (See Pay Item Footnote #15)	75	LF	$ 60.00	$ 57.15	$ 45.00	$ 3,375.00	$ 69.30	$ 5,197.50
207	6" HDPE Directional Bore Irrigation Sleeve (See pay Item Footnote #15)	75	LF	$ 80.00	$ 73.70	$ 55.00	$ 4,125.00	$ 92.40	$ 6,930.00
208	8" HDPE Directional Bore Irrigation Sleeve (See Pay Item Footnote #15)	75	LF	$ 100.00	$ 86.80	$ 68.00	$ 5,100.00	$ 105.60	$ 7,920.00
209	10" HDPE Directional Bore Irrigation Sleeve (See Pay Item Footnote #15)	75	LF	$ 125.00	$ 129.93	$ 80.00	$ 6,000.00	$ 179.85	$ 13,488.75
Furnish and Install Scheule 40 Irrigation Lines (Complete) - See Pay Item Footnote #16									
210	3/4" PVC (See Pay Item Footnote #16)	100	LF	$ 2.25	$ 2.20	$ 1.75	$ 175.00	$ 2.64	$ 264.00
211	1" PVC (See Pay Item Footnote #16)	650	LF	$ 2.50	$ 2.45	$ 2.25	$ 1,462.50	$ 2.64	$ 1,716.00
212	1¼" PVC (See Pay Item Footnote #16)	275	LF	$ 3.00	$ 2.95	$ 2.75	$ 756.25	$ 3.14	$ 863.50
213	1½" PVC (See Pay Item Footnote #16)	275	LF	$ 3.25	$ 3.11	$ 3.00	$ 825.00	$ 3.22	$ 885.50
214	2" PVC (See Pay Item Footnote #16)	275	LF	$ 3.50	$ 3.48	$ 3.25	$ 893.75	$ 3.71	$ 1,020.25
215	2-1/2" PVC (See Pay Item Footnote #16)	75	LF	$ 4.00	$ 4.07	$ 4.00	$ 300.00	$ 4.13	$ 309.75
Furnish and Install Class 200 Irrigation Lines (Complete) - See Pay Item Footnote #17									
216	3/4" PVC (See Pay Item Footnote #16)	250	LF	$ 2.25	$ 149.40	$ 1.80	$ 450.00	$ 297.00	$ 74,250.00
217	1" PVC (See Pay Item Footnote #16)	625	LF	$ 2.50	$ 149.65	$ 2.30	$ 1,437.50	$ 297.00	$ 185,625.00
218	1¼" PVC (See Pay Item Footnote #16)	215	LF	$ 3.00	$ 174.65	$ 2.80	$ 602.00	$ 346.50	$ 74,497.50
219	1½" PVC (See Pay Item Footnote #16)	215	LF	$ 3.25	$ 3.14	$ 3.05	$ 655.75	$ 3.22	$ 692.30
220	2" PVC (See Pay Item Footnote #16)	215	LF	$ 3.50	$ 3.51	$ 3.30	$ 709.50	$ 3.71	$ 797.65
221	2-1/2" PVC (See Pay Item Footnote #16)	80	LF	$ 4.00	$ 228.90	$ 4.05	$ 324.00	$ 453.75	$ 36,300.00
Furnish and Install Class 200 Irrigation Lines (Complete) - See Pay Item Footnote #17									
222	2½" O-Ring PVC Main w/Restraints - (See TSP's, SP's, and GP's for Installation) (See Pay Item Footnote #17)	100	LF	$ 5.50	$ 5.68	$ 6.00	$ 600.00	$ 5.36	$ 536.00
223	3" O-Ring PVC Main W/Restraints - (See TSP's, SP's, and GP's for Installation) (See Pay Item Footnote #17)	100	LF	$ 7.00	$ 6.97	$ 7.50	$ 750.00	$ 6.44	$ 644.00
224	4" O-Ring PVC Main W/Restraints - (See TSP's, SP's, and GP's for Installation) (See Pay Item Footnote #17)	100	LF	$ 8.00	$ 8.01	$ 9.00	$ 900.00	$ 7.01	$ 701.00
225	6" O-Ring PVC Main W/Restraints - (See TSP's, SP's, and GP's for Installation) (See Pay Item Footnote #17)	100	LF	$ 12.00	$ 13.95	$ 18.00	$ 1,800.00	$ 9.90	$ 990.00

BID TABULATIONS

ANNUAL ROADWAY LANDSCAPING CONTRACT

PBC PROJECT #2020053

ITEM #	ITEM DESCRIPTION	QTY	UNITS	ENGINEERS ESTIMATE	AVERAGE BID AMOUNT	A CUT ABOVE LANDSCAPE & MAINTENANCE, INC.		SUPERIOR LANDSCAPING & LAWN SERVICE, INC.	
				UNIT PRICE	UNIT PRICE	UNIT PRICE	TOTAL	UNIT PRICE	TOTAL
Furnish and Install HDPE Irrigation Lines (Complete) - See Pay Item Footnotes #18 & 19									
226	1" HDPE PVC (Provide transition fittings to PVC) (See Pay Item Footnote #18)	75	LF	$ 3.00	$ 7.68	$ 10.00	$ 750.00	$ 5.36	$ 402.00
227	2" HDPE PVC (Provide transition fittings to PVC) (See Pay Item Footnote #18)	75	LF	$ 3.50	$ 317.63	$ 16.50	$ 1,237.50	$ 618.75	$ 46,406.25
228	2-1/2" HDPE PVC (Provide transition fittings to PVC) (See Pay Item Footnote #18)	75	LF	$ 5.00	$ 12.92	$ 18.00	$ 1,350.00	$ 7.84	$ 588.00
229	3" HDPE PVC (Provide transition fittings to PVC) (See Pay Item Footnote #18)	115	LF	$ 5.50	$ 14.13	$ 20.00	$ 2,300.00	$ 8.25	$ 948.75
230	4" HDPE PVC (Provide transition fittings to PVC) (See Pay Item Footnote #18)	115	LF	$ 6.50	$ 16.95	$ 24.00	$ 2,760.00	$ 9.90	$ 1,138.50
231	6" HDPE PVC (Provide transition fittings to PVC) (See Pay Item Footnote #18)	115	LF	$ 8.00	$ 22.60	$ 32.00	$ 3,680.00	$ 13.20	$ 1,518.00
232	Provide Connection to Existing Irrigation System (See Pay Item Footnote #19)	2	LF	$ 15.00	$ 935.63	$ 1,500.00	$ 3,000.00	$ 371.25	$ 742.50
233	Provide Connection to Ex. Potable Water Line (See Pay Item Footnote #19)	3	LF	$ 25.00	$ 1,330.00	$ 2,000.00	$ 6,000.00	$ 660.00	$ 1,980.00
234	Provide Connection to Exist. Re-Use Water Line (See Pay Item Footnote #19)	2	LF	$ 25.00	$ 1,495.00	$ 2,000.00	$ 4,000.00	$ 990.00	$ 1,980.00
Furnish and Install Pump and Complete Pump Station - See Pay Item Footnotes #20, 21 & 32									
235	Furnish & Install 2 HP Centrifugal Pump and Complete Pump Station For Obtaining Water from an Adjacent Water Body (See Pay Item Footnotes #20 & 32)	2	EA	$ 6,000.00	$ 17,050.00	$ 8,600.00	$ 17,200.00	$ 25,500.00	$ 51,000.00
236	Furnish & Install 3 HP Centrifugal Pump and Complete Pump Station For Obtaining Water from an Adjacent Water Body (See Pay Item Footnotes #20 & 32)	1	EA	$ 7,500.00	$ 26,050.00	$ 10,100.00	$ 10,100.00	$ 42,000.00	$ 42,000.00
237	Furnish & Install 3 HP Centrifugal Pump and Complete Pump Station For Obtaining Water from an Adjacent Water Body (See Pay Item Footnotes #20 & 32)	1	EA	$ 9,000.00	$ 30,550.00	$ 13,100.00	$ 13,100.00	$ 48,000.00	$ 48,000.00
238	Furnish & Install 7½ HP Centrifugal Pump and Complete Pump Station For Obtaining Water from an Adjacent Water Body (See Pay Item Footnotes #20 & 32)	1	EA	$ 12,000.00	$ 38,050.00	$ 19,100.00	$ 19,100.00	$ 57,000.00	$ 57,000.00
239	Furnish & Install 7½ HP Centrifugal Pump and Complete Pump Station For Obtaining Water from an Adjacent Water Body (See Pay Item Footnotes #20 & 32)	1	EA	$ 15,000.00	$ 43,300.00	$ 25,100.00	$ 25,100.00	$ 61,500.00	$ 61,500.00
240	Furnish & Install 7½ HP Centrifugal Pump and Complete Pump Station For Obtaining Water from an Adjacent Water Body (See Pay Item Footnotes #20 & 32)	2	EA	$ 8,000.00	$ 27,800.00	$ 22,600.00	$ 45,200.00	$ 33,000.00	$ 66,000.00
241	Furnish & Install 7½ HP Centrifugal Pump and Complete Pump Station For Obtaining Water from an Adjacent Water Body (See Pay Item Footnotes #20 & 32)	1	EA	$ 15,000.00	$ 29,950.00	$ 23,900.00	$ 23,900.00	$ 36,000.00	$ 36,000.00
242	Furnish & Install 7½ HP Centrifugal Pump and Complete Pump Station For Obtaining Water from an Adjacent Water Body (See Pay Item Footnotes #20 & 32)	1	EA	$ 25,000.00	$ 42,550.00	$ 26,600.00	$ 26,600.00	$ 58,500.00	$ 58,500.00
243	Furnish & Install 7½ HP Centrifugal Pump and Complete Pump Station For Obtaining Water from an Adjacent Water Body (See Pay Item Footnotes #20 & 32)	1	EA	$ 30,000.00	$ 47,700.00	$ 32,400.00	$ 32,400.00	$ 63,000.00	$ 63,000.00
244	Furnish & Install 7½ HP Centrifugal Pump and Complete Pump Station For Obtaining Water from an Adjacent Water Body (See Pay Item Footnotes #20 & 32)	1	EA	$ 40,000.00	$ 53,550.00	$ 38,100.00	$ 38,100.00	$ 69,000.00	$ 69,000.00
245	Furnish & Install 7½ HP Centrifugal Pump and Complete Pump Station For Obtaining Water from an Adjacent Water Body (See Pay Item Footnotes #20 & 32)	2	EA	$ 12,000.00	$ 24,300.00	$ 23,100.00	$ 46,200.00	$ 25,500.00	$ 51,000.00
246	Furnish & Install 7½ HP Centrifugal Pump and Complete Pump Station For Obtaining Water from an Adjacent Water Body (See Pay Item Footnotes #20 & 32)	1	EA	$ 24,000.00	$ 33,050.00	$ 24,100.00	$ 24,100.00	$ 42,000.00	$ 42,000.00
247	Furnish & Install 7½ HP Centrifugal Pump and Complete Pump Station For Obtaining Water from an Adjacent Water Body (See Pay Item Footnotes #20 & 32)	1	EA	$ 50,000.00	$ 39,500.00	$ 31,000.00	$ 31,000.00	$ 48,000.00	$ 48,000.00
248	Furnish & Install 7½ HP Centrifugal Pump and Complete Pump Station For Obtaining Water from an Adjacent Water Body (See Pay Item Footnotes #20 & 32)	1	EA	$ 65,000.00	$ 45,550.00	$ 34,100.00	$ 34,100.00	$ 57,000.00	$ 57,000.00

BID TABULATIONS ANNUAL ROADWAY LANDSCAPING CONTRACT PBC PROJECT #2020053				ENGINEERS ESTIMATE	AVERAGE BID AMOUNT	A CUT ABOVE LANDSCAPE & MAINTENANCE, INC.		SUPERIOR LANDSCAPING & LAWN SERVICE, INC.	
ITEM #	ITEM DESCRIPTION	QTY	UNITS	UNIT PRICE	UNIT PRICE	UNIT PRICE	TOTAL	UNIT PRICE	TOTAL
Furnish and Install Pump and Complete Pump Station without vaults - See Pay Item Footnotes					$ -				
249	Furnish & Install 2 HP Centrifugal Pump and Complete Pump Station For Obtaining Water from an Adjacent Water Body (See Pay Item Footnote #20 & 32)	2	EA	$ 6,500.00	$ 18,550.00	$ 8,600.00	$ 17,200.00	$ 28,500.00	$ 57,000.00
250	Furnish & Install 2 HP Centrifugal Pump and Complete Pump Station For Obtaining Water from an Adjacent Water Body (See Pay Item Footnote #20 & 32)	1	EA	$ 6,501.00	$ 27,550.00	$ 10,100.00	$ 10,100.00	$ 45,000.00	$ 45,000.00
251	Furnish & Install 2 HP Centrifugal Pump and Complete Pump Station For Obtaining Water from an Adjacent Water Body (See Pay Item Footnote #20 & 32)	1	EA	$ 6,502.00	$ 32,050.00	$ 13,100.00	$ 13,100.00	$ 51,000.00	$ 51,000.00
252	Furnish & Install 2 HP Centrifugal Pump and Complete Pump Station For Obtaining Water from an Adjacent Water Body (See Pay Item Footnote #20 & 32)	1	EA	$ 6,503.00	$ 38,800.00	$ 19,100.00	$ 19,100.00	$ 58,500.00	$ 58,500.00
253	Furnish & Install 2 HP Centrifugal Pump and Complete Pump Station For Obtaining Water from an Adjacent Water Body (See Pay Item Footnote #20 & 32)	1	EA	$ 6,504.00	$ 46,300.00	$ 25,100.00	$ 25,100.00	$ 67,500.00	$ 67,500.00
254	Furnish & Install 2 HP Centrifugal Pump and Complete Pump Station For Obtaining Water from an Adjacent Water Body (See Pay Item Footnote #20 & 32)	2	EA	$ 6,505.00	$ 25,300.00	$ 17,600.00	$ 35,200.00	$ 33,000.00	$ 66,000.00
255	Furnish & Install 2 HP Centrifugal Pump and Complete Pump Station For Obtaining Water from an Adjacent Water Body (See Pay Item Footnote #20 & 32)	1	EA	$ 6,506.00	$ 27,450.00	$ 18,900.00	$ 18,900.00	$ 36,000.00	$ 36,000.00
256	Furnish & Install 2 HP Centrifugal Pump and Complete Pump Station For Obtaining Water from an Adjacent Water Body (See Pay Item Footnote #20 & 32)	1	EA	$ 6,507.00	$ 31,800.00	$ 21,600.00	$ 21,600.00	$ 42,000.00	$ 42,000.00
257	Furnish & Install 2 HP Centrifugal Pump and Complete Pump Station For Obtaining Water from an Adjacent Water Body (See Pay Item Footnote #20 & 32)	1	EA	$ 6,508.00	$ 39,200.00	$ 27,400.00	$ 27,400.00	$ 51,000.00	$ 51,000.00
258	Furnish & Install 2 HP Centrifugal Pump and Complete Pump Station For Obtaining Water from an Adjacent Water Body (See Pay Item Footnote #20 & 32)	1	EA	$ 6,509.00	$ 50,300.00	$ 33,100.00	$ 33,100.00	$ 67,500.00	$ 67,500.00
259	Furnish & Install 2 HP Centrifugal Pump and Complete Pump Station For Obtaining Water from an Adjacent Water Body (See Pay Item Footnote #20 & 32)	2	EA	$ 6,510.00	$ 21,800.00	$ 18,100.00	$ 36,200.00	$ 25,500.00	$ 51,000.00
260	Furnish & Install 2 HP Centrifugal Pump and Complete Pump Station For Obtaining Water from an Adjacent Water Body (See Pay Item Footnote #20 & 32)	1	EA	$ 6,511.00	$ 35,800.00	$ 19,100.00	$ 19,100.00	$ 52,500.00	$ 52,500.00
261	Furnish & Install 2 HP Centrifugal Pump and Complete Pump Station For Obtaining Water from an Adjacent Water Body (See Pay Item Footnote #20 & 32)	1	EA	$ 6,512.00	$ 42,300.00	$ 26,100.00	$ 26,100.00	$ 58,500.00	$ 58,500.00
262	Furnish & Install 2 HP Centrifugal Pump and Complete Pump Station For Obtaining Water from an Adjacent Water Body (See Pay Item Footnote #20 & 32)	1	EA	$ 6,513.00	$ 46,050.00	$ 29,100.00	$ 29,100.00	$ 63,000.00	$ 63,000.00
Furnish Only - Pump (Delivered as Directed) - See Pay Item Footnote #22									
263	Furnish Only - 2 HP Centrifugal Pump (Delivered as Directed) - Complete (See Pay Item Footnote #22)	1	EA	$ 1,000.00	$ 1,310.00	$ 1,500.00	$ 1,500.00	$ 1,120.00	$ 1,120.00
264	Furnish Only - 3 HP Centrifugal Pump (Delivered as Directed) - Complete (See Pay Item Footnote #22)	1	EA	$ 1,200.00	$ 2,590.00	$ 2,450.00	$ 2,450.00	$ 2,730.00	$ 2,730.00
265	Furnish Only - 5 HP Centrifugal Pump (Delivered as Directed) - Complete (See Pay Item Footnote #22)	1	EA	$ 1,500.00	$ 3,180.00	$ 3,000.00	$ 3,000.00	$ 3,360.00	$ 3,360.00
266	Furnish Only - 71/2 HP Centrifugal Pump (Delivered as Directed) - Complete (See Pay Item Footnote #22)	1	EA	$ 2,500.00	$ 5,630.00	$ 4,400.00	$ 4,400.00	$ 6,860.00	$ 6,860.00
267	Furnish Only - 10 HP Centrifugal Pump (Delivered as Directed) - Complete (See Pay Item Footnote #22)	1	EA	$ 3,500.00	$ 10,450.00	$ 5,500.00	$ 5,500.00	$ 15,400.00	$ 15,400.00

BID TABULATIONS ANNUAL ROADWAY LANDSCAPING CONTRACT PBC PROJECT #2020053				ENGINEERS ESTIMATE	AVERAGE BID AMOUNT	A CUT ABOVE LANDSCAPE & MAINTENANCE, INC.		SUPERIOR LANDSCAPING & LAWN SERVICE, INC.	
ITEM #	ITEM DESCRIPTION	QTY	UNITS	UNIT PRICE	UNIT PRICE	UNIT PRICE	TOTAL	UNIT PRICE	TOTAL
Miscellanoeus Irrigation Pump and Pump Station Items Furnish and Install - Complete									
268	Concrete Vault, 48" X 48" X 36", with Drainage	2	EA	$ 3,500.00	$ 4,515.00	$ 3,750.00	$ 7,500.00	$ 5,280.00	$ 10,560.00
269	Aluminum Vault Lid	2	EA	$ 4,000.00	$ 4,017.50	$ 1,600.00	$ 3,200.00	$ 6,435.00	$ 12,870.00
270	Pastic Tank, 55 Gal.	2	EA	$ 500.00	$ 1,983.75	$ 750.00	$ 1,500.00	$ 3,217.50	$ 6,435.00
271	1/4 HP Sump Pump with Discharge Piping and Pop-up Discharge Blow Off	2	EA	$ 1,500.00	$ 1,260.00	$ 1,200.00	$ 2,400.00	$ 1,320.00	$ 2,640.00
272	Injector Pump	2	EA	$ 600.00	$ 1,192.50	$ 900.00	$ 1,800.00	$ 1,485.00	$ 2,970.00
273	Fused Main Disconnect, with Meter - 2 HP Pump Station	1	EA	$ 1,500.00	$ 8,000.00	$ 2,800.00	$ 2,800.00	$ 13,200.00	$ 13,200.00
274	Fused Main Disconnect, with Meter - 3HP Pump Station	1	EA	$ 2,000.00	$ 10,525.00	$ 2,900.00	$ 2,900.00	$ 18,150.00	$ 18,150.00
275	Fused Main Disconnect, with Meter - 5HP Pump Station	1	EA	$ 2,500.00	$ 12,975.00	$ 4,500.00	$ 4,500.00	$ 21,450.00	$ 21,450.00
276	Fused Main Disconnect, with Meter - 7½ HP Pump Station	1	EA	$ 3,000.00	$ 15,125.00	$ 5,500.00	$ 5,500.00	$ 24,750.00	$ 24,750.00
277	Fused Main Disconnect, with Meter - 10 HP Pump Station	1	EA	$ 3,500.00	$ 22,925.00	$ 6,250.00	$ 6,250.00	$ 39,600.00	$ 39,600.00
278	1" Grey PVC Sch 40 - in Addition to 200' Base Length (Installed in Trench) (See Pay Item Footnote #25)	75	LF	$ 3.00	$ 12.55	$ 2.00	$ 150.00	$ 23.10	$ 1,732.50
279	1" Grey PVC Sch 80 - in Addition to 200' Base Length (Installed Above Ground or Under Pavement) (See Pay Item Footnote #25)	70	LF	$ 6.00	$ 25.10	$ 4.00	$ 280.00	$ 46.20	$ 3,234.00
280	1½" Grey PVC Sch 40 - in Addition to 200' Base Length (Installed in Trench) (See Pay Item Footnote #25)	70	LF	$ 4.00	$ 16.85	$ 4.00	$ 280.00	$ 29.70	$ 2,079.00
281	1½" Grey PVC Sch 80 - in Addition to 200' Base Length (Installed Above Ground or Under Pavement) (See Pay Item Footnote #25)	70	LF	$ 8.00	$ 27.93	$ 8.00	$ 560.00	$ 47.85	$ 3,349.50
282	2" Grey PVC Sch 40 - in Addition to 200' Base Length (Installed in Trench) (See Pay Item Footnote #25)	65	LF	$ 5.00	$ 20.33	$ 6.00	$ 390.00	$ 34.65	$ 2,252.25
283	2" Grey PVC Sch 80 - in Addition to 200' Base Length (Installed Above Ground or Under Pavement) (See Pay Item Footnote #25)	65	LF	$ 7.00	$ 20.18	$ 9.00	$ 585.00	$ 31.35	$ 2,037.75
284	#12 THWN Copper Wire Service (Installed in Conduit in Excess of 200' Base Length) (See Payitem Footnote #26)	60	LF	$ 4.00	$ 25.05	$ 2.25	$ 135.00	$ 47.85	$ 2,871.00
285	#10 THWN Copper Wire Service (Installed in Conduit in Excess of 200' Base Length) (See Payitem Footnote #26)	60	LF	$ 6.00	$ 24.85	$ 3.50	$ 210.00	$ 46.20	$ 2,772.00
286	#8 THWN Copper Wire Service (Installed in Conduit in Excess of 200' Base Length) (See Payitem Footnote #26)	60	LF	$ 7.00	$ 22.55	$ 5.50	$ 330.00	$ 39.60	$ 2,376.00
287	#6 THWN Copper Wire Service (Installed in Conduit in Excess of 200' Base Length) (See Payitem Footnote #26)	60	LF	$ 9.00	$ 28.83	$ 6.50	$ 390.00	$ 51.15	$ 3,069.00
288	#4 THWN Copper Wire Service (Installed in Conduit in Excess of 200' Base Length) (See Payitem Footnote #26)	60	LF	$ 12.00	$ 36.10	$ 5.00	$ 300.00	$ 67.20	$ 4,032.00
289	#3 THWN Copper Wire Service (Installed in Conduit in Excess of 200' Base Length) (See Payitem Footnote #26)	60	LF	$ 14.00	$ 41.03	$ 5.25	$ 315.00	$ 76.80	$ 4,608.00
290	#2 THWN Copper Wire Service (Installed in Conduit in Excess of 200' Base Length) (See Payitem Footnote #26)	60	LF	$ 20.00	$ 45.10	$ 7.00	$ 420.00	$ 83.20	$ 4,992.00
291	#1 THWN Copper Wire Service (Installed in Conduit in Excess of 200' Base Length) (See Payitem Footnote #26)	60	LF	$ 30.00	$ 48.93	$ 8.25	$ 495.00	$ 89.60	$ 5,376.00
292	#1/0 THWN Copper Wire Service (Installed in Conduit in Excess of 200' Base Length) (See Payitem Footnote #26)	60	LF	$ 50.00	$ 52.20	$ 10.00	$ 600.00	$ 94.40	$ 5,664.00

BID TABULATIONS

ANNUAL ROADWAY LANDSCAPING CONTRACT

PBC PROJECT #2020053

ITEM #	ITEM DESCRIPTION	QTY	UNITS	ENGINEERS ESTIMATE	AVERAGE BID AMOUNT	A CUT ABOVE LANDSCAPE & MAINTENANCE, INC.		SUPERIOR LANDSCAPING & LAWN SERVICE, INC.	
				UNIT PRICE	UNIT PRICE	UNIT PRICE	TOTAL	UNIT PRICE	TOTAL
Irrigation Well Construction:									
293	4" Open-End Well	2	EA	$ 4,000.00	$ 9,475.00	$5,000.00	$ 10,000.00	$13,950.00	$ 27,900.00
294	6" Open-End Well	1	EA	$ 5,500.00	$ 17,950.00	$8,000.00	$ 8,000.00	$27,900.00	$ 27,900.00
295	8" Open-End Well	1	EA	$ 8,000.00	$ 26,025.00	$10,200.00	$ 10,200.00	$41,850.00	$ 41,850.00
296	Additional Well Depth in Excess of 100' Base Depth for 4" well	10	FT	$ 100.00	$ 57.55	$50.00	$ 500.00	$65.10	$ 651.00
297	Additional Well Depth in Excess of 100' Base Depth for 6" well	10	FT	$ 150.00	$ 86.50	$80.00	$ 800.00	$93.00	$ 930.00
298	Additional Well Depth in Excess of 100' Base Depth for 8" well	10	FT	$ 200.00	$ 109.13	$102.00	$ 1,020.00	$116.25	$ 1,162.50
Irrigation Well Refurbishment/Restoration									
299	4" Open-End Well (See Pay Item Footnote #27)	2	EA	$ 3,500.00	$ 20,350.00	$3,500.00	$ 7,000.00	$37,200.00	$ 74,400.00
300	6" Open-End Well (See Pay Item Footnote #27)	1	EA	$ 5,000.00	$ 23,950.00	$4,500.00	$ 4,500.00	$43,400.00	$ 43,400.00
301	Irrigation Well Abandonment - All Sizes, All Depths (See Pay Item Footnote #28)	1	EA	$ 6,000.00	$ 25,275.00	$2,500.00	$ 2,500.00	$48,050.00	$ 48,050.00
Furnish and Install Irrigation Heads:									
302	6" Pop-up Sprayhead Including Flexible Pipe	65	EA	$ 20.00	$ 37.25	$ 25.00	$ 1,625.00	$ 49.50	$ 3,217.50
303	12" Pop-up Sprayhead Including Flexible Pipe	65	EA	$ 30.00	$ 46.38	$ 35.00	$ 2,275.00	$ 57.75	$ 3,753.75
304	12" Pop-up Sprayhead with Side inlet Body Including Flexible Pipe	65	EA	$ 30.00	$ 51.18	$ 38.00	$ 2,470.00	$ 64.35	$ 4,182.75
305	Turf Rotor Including Swing Joint	65	EA	$ 55.00	$ 65.25	$ 48.00	$ 3,120.00	$ 82.50	$ 5,362.50
306	Flood Bubbler Including Flexible Pipe	65	EA	$ 15.00	$ 29.63	$ 18.00	$ 1,170.00	$ 41.25	$ 2,681.25
Furnish and Install Isolation Valves:									
307	1" Gate Valve in Traffic Rated Valve Box (Tier 15)	2	EA	$ 250.00	$ 561.25	$ 380.00	$ 760.00	$ 742.50	$ 1,485.00
308	1" Gate Valve in Existing Valve Box	2	EA	$ 150.00	$ 266.25	$ 120.00	$ 240.00	$ 412.50	$ 825.00
309	1½" Gate Valve in Traffic Rated Valve Box (Tier 15)	2	EA	$ 250.00	$ 693.75	$ 480.00	$ 960.00	$ 907.50	$ 1,815.00
310	1½" Gate Valve in Existing Valve Box	2	EA	$ 200.00	$ 431.75	$ 220.00	$ 440.00	$ 643.50	$ 1,287.00
311	2" Gate Valve in Traffic Rated Valve Box (Tier 15)	2	EA	$ 300.00	$ 755.00	$ 520.00	$ 1,040.00	$ 990.00	$ 1,980.00
312	2" Gate Valve in Existing Valve Box	2	EA	$ 250.00	$ 460.00	$ 260.00	$ 520.00	$ 660.00	$ 1,320.00
313	2 ½" Gate Valve in Traffic Rated Valve Box (Tier 15)	2	EA	$ 350.00	$ 1,140.00	$ 960.00	$ 1,920.00	$ 1,320.00	$ 2,640.00
314	2 ½" Gate Valve in Existing Valve Box	2	EA	$ 300.00	$ 944.00	$ 700.00	$ 1,400.00	$ 1,188.00	$ 2,376.00
315	Furnish and Install 2" Air Relief Valve in Traffic Rated Valve Box (Tier 15)	2	EA	$ 250.00	$ 967.50	$ 450.00	$ 900.00	$ 1,485.00	$ 2,970.00
316	Furnish and Install 3/4" Pressure Relief Valve	2	EA	$ 250.00	$ 405.00	$ 150.00	$ 300.00	$ 660.00	$ 1,320.00
317	Furnish and Install 1" Pressure Relief Valve	2	EA	$ 250.00	$ 417.50	$ 175.00	$ 350.00	$ 660.00	$ 1,320.00
Furnish and Install Flow Sensors:									
318	1½" Sensor in Traffic Rated Valve Box (Tier 15)	2	EA	$ 1,200.00	$ 862.50	$ 900.00	$ 1,800.00	$ 825.00	$ 1,650.00
319	1½" Sensor in Existing Valve Box	2	EA	$ 1,200.00	$ 663.50	$ 700.00	$ 1,400.00	$ 627.00	$ 1,254.00
320	2" Sensor in Traffic Rated Valve Box (Tier 15)	2	EA	$ 1,200.00	$ 1,210.00	$ 1,100.00	$ 2,200.00	$ 1,320.00	$ 2,640.00
321	2" Sensor in Existing Valve Box	2	EA	$ 1,200.00	$ 920.00	$ 850.00	$ 1,700.00	$ 990.00	$ 1,980.00

BID TABULATIONS ANNUAL ROADWAY LANDSCAPING CONTRACT PBC PROJECT #2020053				ENGINEERS ESTIMATE	AVERAGE BID AMOUNT	A CUT ABOVE LANDSCAPE & MAINTENANCE, INC.		SUPERIOR LANDSCAPING & LAWN SERVICE, INC.	
ITEM #	ITEM DESCRIPTION	QTY	UNITS	UNIT PRICE	UNIT PRICE	UNIT PRICE	TOTAL	UNIT PRICE	TOTAL
Furnish and Install Zone Valves:									
322	1" Zone Valve with 1" Gate Valve, Including Valve Box and Piping - Complete ***(See Pay Item Footnote #29)***	2	EA	$ 300.00	$ 662.50	$ 500.00	$ 1,000.00	$ 825.00	$ 1,650.00
323	1½" Zone Valve with 1½" Gate Valve, Including Valve Box and Piping - Complete ***(See Pay Item Footnote #29)***	2	EA	$ 400.00	$ 795.00	$ 600.00	$ 1,200.00	$ 990.00	$ 1,980.00
324	2" Zone Valve with 2" Gate Valve, Including Valve Box and Piping - Complete ***(See Pay Item Footnote #29)***	2	EA	$ 500.00	$ 927.50	$ 700.00	$ 1,400.00	$ 1,155.00	$ 2,310.00
325	2½" Zone Valve with 2½" Gate Valve, Including Valve Box and Piping - Complete **(See Pay Item Footnote #29)**	2	EA	$ 700.00	$ 1,010.00	$ 700.00	$ 1,400.00	$ 1,320.00	$ 2,640.00
326	Brass Hose Bib on Control Valve	2	EA	$ 150.00	$ 215.00	$ 100.00	$ 200.00	$ 330.00	$ 660.00
327	Control Wire (Direct Burial) Installed w/Main Line	4,000	LF	$ 0.50	$ 1.39	$ 0.30	$ 1,200.00	$ 2.48	$ 9,920.00
328	Control Wire (Direct Burial) Buried in Its Own Conduit	2,500	LF	$ 3.00	$ 2.31	$ 2.30	$ 5,750.00	$ 2.31	$ 5,775.00
329	Two-Wire Control Wire (Direct Burial) installed w/Main Line	2,500	LF	$ 1.50	$ 3.55	$ 0.65	$ 1,625.00	$ 6.44	$ 16,100.00
330	Two-Wire Control Wire (Buried in Its Own Conduit)	2,500	LF	$ 4.00	$ 4.13	$ 2.65	$ 6,625.00	$ 5.61	$ 14,025.00
331	Two-Wire Control Wire Decoder Unit w/ grounding units	10	EA	$ 225.00	$ 347.50	$ 200.00	$ 2,000.00	$ 495.00	$ 4,950.00
Furnish and Install Controller and Replacement Valve Boxes									
332	12 Station "Sentinel Field Satellite" Controller with Hydrometer	2	EA	$ 4,500.00	$ 13,885.00	$ 9,620.00	$ 19,240.00	$ 18,150.00	$ 36,300.00
333	24 Station "Sentinel Field Satellite" Controller with Hydrometer	2	EA	$ 6,000.00	$ 16,815.00	$ 10,530.00	$ 21,060.00	$ 23,100.00	$ 46,200.00
334	36 Station "Sentinel Field Satellite" Controller with Hydrometer	1	EA	$ 7,500.00	$ 20,940.00	$ 12,180.00	$ 12,180.00	$ 29,700.00	$ 29,700.00
335	48 Station "Sentinel Field Satellite" Controller with Hydrometer	1	EA	$ 8,000.00	$ 24,375.00	$ 14,100.00	$ 14,100.00	$ 34,650.00	$ 34,650.00
336	12 Station Sentinel Controller Expansion Module	2	EA	$ 1,200.00	$ 4,500.00	$ 750.00	$ 1,500.00	$ 8,250.00	$ 16,500.00
337	Air Card	2	EA	$ 600.00	$ 2,700.00	$ 1,275.00	$ 2,550.00	$ 4,125.00	$ 8,250.00
338	Communication Tower	2	EA	$ 3,500.00	$ 5,050.00	$ 3,500.00	$ 7,000.00	$ 6,600.00	$ 13,200.00
339	4 Station Rainbird ESP	2	EA	$ 400.00	$ 512.50	$ 200.00	$ 400.00	$ 825.00	$ 1,650.00
340	6 Station Rainbird ESP	1	EA	$ 450.00	$ 810.00	$ 300.00	$ 300.00	$ 1,320.00	$ 1,320.00
341	8 Station Rainbird ESP	1	EA	$ 500.00	$ 860.00	$ 400.00	$ 400.00	$ 1,320.00	$ 1,320.00
342	Surcharge For MOT in FDOT R/W	1	Day	$ 600.00	$ 2,437.50	$ 750.00	$ 750.00	$ 4,125.00	$ 4,125.00
343	18" x 18" x 12" Fibercrete Valve Box w/Lid	1	EA	$ 150.00	$ 834.25	$ 200.00	$ 200.00	$ 1,468.50	$ 1,468.50
344	18" x 24" x 12" Fibercrete Valve Box w/Lid	1	EA	$ 200.00	$ 894.25	$ 320.00	$ 320.00	$ 1,468.50	$ 1,468.50
345	Tier 15 Traffic Rated Replacement Valve Box w/Lid	1	EA	$ 200.00	$ 625.00	$ 260.00	$ 260.00	$ 990.00	$ 990.00
346	Tier 22 Traffic Rated Replacement Valve Box w/Lid	1	EA	$ 250.00	$ 737.50	$ 320.00	$ 320.00	$ 1,155.00	$ 1,155.00
					TOTAL BID		**$ 2,224,813.75**		**$ 4,344,915.95**
	Highlighted Cells Denote Math Errors								

PBC PROJECT #20020053 - ANNUAL ROADWAY LANDSCAPING CONTRACT	
THE COUNTY DOES NOT GUARANTEE THE ACCURACY OF THE FORMULAS AND EXTENSIONS USED IN THIS SPREADSHEET.	
THE ITEMS AND QUANTITIES ABOVE, SHALL GOVERN OVER THE PLANS.	
PAY ITEM FOOTNOTES IN CONSTRUCTION PLANS SHALL ALSO BE INCLUDED IN ITEM UNIT PRICE.	
Note #	**PAY ITEM FOOTNOTES**
1	All costs for **Maintenance of Traffic (MOT) and mobilization** shall be considered incidental to, and shall be included in, unit prices for the pay items.
2	All items shall include cost to furnish and install unless otherwise noted.
3	Trunk caliper (diameter) is measured 6 inches from the ground on trees up to and including 4 inches in caliper, and 12 inches above the ground for larger trees. The caliper (diameter) of a palm tree is taken at the widest portion, measured between 1 and 3 feet from the soil line.
4	All B&B to be natural burlap; no synthetic fabric allowed, no nylon allowed, as per specifications.
5	C.T. (Clear Trunk) heights specify required minimum height of bottom of tree foliage (excluding palms) for clear sight & maintenance purposes, not the minimum height of first major branch (as per Florida Grades & Standards definition). As per this alternate definition of C.T., some branches without foliage may be allowed within the required 8.0' or 8.5' clear sight window as specified. No leaf foliage, including palm fronds, may encroach into a required clear sight window.
6	All trees & palms shall meet or exceed minimum requirements of "Florida Grade No. 1" as per the current Grades & Standards for Nursery Plants by the Florida Department of Agriculture & Consumer Services.
7	No more than 2" of soil shall be above the top root of a rootball.
8	The above plant counts are estimated quantities before the actual design of various pending road projects is completed. Previous typical projects have ranged from 10 to 350 trees.
9	All costs associated with the performance of work under this contract including but not limited to all materials, labor, & equipment shall be included in the unit bid item cost for each tree.
10	Tree and Palm Trimming items - Trim to Florida Grades and Standards and ANSI A300 Standards by or under the supervision of an Arborist certified by the International Society of Arboriculture. Shall include MOT and disposal.
11	Tree, Palm, and Stump Removal Items - Includes stump extraction, disposal and filling of hole to finish grade with suitable fill.
12	Relocation Items - include filling of holes to finish grade with suitable fill.
13	The work for tree and palm removal shall include all costs associated with tree removal including MOT (if required), reduction of canopy, felling of trunk, stump removal, debris disposal and backfilling of hole with suitable material to provide a uniform grade.
14	Notes On Irrigation:
15	Items 203 through 209 - Contractor shall provide all boring logs, boring profiles, GPS per state planar and permits to the County.
16	Items 210 through 221 - Schedule 80 fittings shall be used.
17	Items 222 through 225 - Include all ductile iron fittings, thrust blocking, line guard tape and testing.
18	Items 226 through 231 - Include all transition fittings and all apparatuses that are needed to complete the transition.
19	Items 232 through 234 - Include all costs associated with plumbing codes compliance and installation of owner provided meter/hydrant as applicable.
20	Items 235 through 239 and 249 through 253 - Include all costs associated with electrical connection (200' base length), furnish and install primary (with meter) and secondary (with station) fused disconnects, enclosure, intake screen, Hot Stop, pressure/air relief valve in approved valve box, flow meter in approved valve box, Ames Cla-Valve (if applicable), all permits and all items specified in item ISC 2.08 Pump Station and Footnote #32.. Base suction line shall be 200'. Note that the South Florida Water Management District General Water Use Permit will be provided to the Contractor. Irrigation Controller is not included. See Pay Item #340 through 349
21	Items 240 through 248 and Items 254 through 262 - Include all costs associated with electrical connection (200' base length, "Inclusive of 60 L.F.of 4" Directional Bore for Electrical service, if required"),(Additional boring beyond 60 L.F. would be Itemized as per Pay Item #298) furnish and install primary (with meter) and secondary (with station) fused disconnects, 6" Steel Cased well construction (100' base depth), (Any additional depth beyond base depth, if required, would be Itemized as per Pay Item #305), Hot Stop, pressure/air relief valve in approved valve box or strut mounted (as directed by the Engineer), Ames Cla-Valve, if applicable, flow meter in approved valve box, Ames Cla-Valve (if applicable), all permits and all items specified in item ISC 2.08 Pump Station, Footnote #32 and all permits. Note that the South Florida Water Management District General Water Use Permit will be provided to the Contractor. (Irrigation Controller is not included. See Pay Item #340 through 349).
22	Items 263 through 267 - Furnish Only - Pump (Delivered) - Each complete unit shall be delivered to Streetscape Field Operations Office.
23	Streetscape Field Operations Office 2555 Vista Parkway West Palm Beach, FL 33411 Phone: 561-233-3990
24	Contractor will contact Streetscape Field Operations Office prior to delivery to coordinate delivery times and to confirm that staff will be available to receive the item(s).
25	Items 278 through 283 - Grey PVC Conduit (Sch 40 and 80) is for conduit Only. Conductors are to be paid under THWN Copper Service.
26	Items 284 through 292 - THWN Copper Wire Service (Installed in conduit in excess of 200' base length) is for four (4) conductors. Price does not include cost of the conduit. Conduit to be paid under Grey PVC Conduit.
27	Items 299 through 300. The work for Well Refurbishment/Restoration shall include removal of concrete around the well head, removal of the pump station from the work area, removal of well liner pipe, installation of seat drive shoe with drill rig or installation of additional casing as required. Upon determination of satisfactory performance as specified in the Special Provisions (Section IWC - Irrigation Open End Well Construction Specifications), completion of the task shall include replacement of pump station, priming pump, patching concrete, flushing mainline and demonstrating satisfactory operation.
28	Item 301 - The work for Well Abandonment shall include removal of the pump station from the work area and delivery to a local location specified by the County, sealing of the well head with concrete, removal of service and filing of necessary permits and reports with jurisdictional agencies with copies of all such documents supplied to the County.
29	Items 322 through 325 - Shall include installation of a gate valve for maintenance isolation, sized to match the zone control valve, placed upstream at the time of installation of the zone valve in the same single valve box.
30	All electrical service, fuses, motor feeder wire, conduit, etc., required for providing power to the pump station shall comply with the current editions of the National Electric Code, the Florida Building Code and the Palm Beach County Building Code, with all current addenda. Contractor shall be required to acquire all electrical permits and provide all required permit drawings.
31	Notes On Pumps - Both Furnish and Install and Furnish Only.
32	Items 235 through 239 and 240 through 267 - All pumps shall include the following hardware: 2 - 2" galv. unions 2 - 2" 90° galv. elbows 1 - 2" galv. tee 1 - 3/4" galv. tee 1 - 3/4"x2" galv. nipple 2 - 2"x4" galv. nipple 2 - 2"x6" galv. nipple 1 - 2"x3/4" galv. Bushing 2 - 2"x1½" galv. Bushing 1 - 3/4" hose bib 1 - hot stop 1 - liquid filled pressure gauge, min. 150 psi rated 1 - 2" strataflow check valve 1 - pressure relief valve. Size shall be 1" (including 1 - 1"x2" galvanized tee) for 2 HP and 3 HP pumps and 1½" (including 1 - 1½"x2" galv. tee) for 5 HP pumps and larger

Working days to complete project: ***TBD (per task order)***

Bids as read at opening on MARCH 3, 2020, 2:00 PM

All bids subject to OSBA SBE compliance and Board Approval.

Prepared by: Geraldine Lazzarino-Kelly, Technical Assistant 1

Checked by: Holly B. Knight, P.E., Contracts Section Manager

R2020 0749

JUL 0 7 2020

CONTRACT DOCUMENTS

FOR

CONSTRUCTION

OF

ANNUAL ROADWAY LANDSCAPING CONTRACT

PALM BEACH COUNTY, FLORIDA

PROJECT NO. 2020053

BOARD OF COUNTY COMMISSIONERS
PALM BEACH COUNTY, FLORIDA
ENGINEERING & PUBLIC WORKS
ROADWAY PRODUCTION DIVISION

Project Name: **Annual Roadway Landscaping Contract**

Project Number: **2020053**

ADDENDUM NO. 1

Date of Issuance: **February 10, 2020**

THE BID DUE DATE IS CHANGED TO BE MARCH 3, 2020
AT THE SAME TIME AND LOCATION
AS NOTED IN THE SPECIFICIATIONS

SPECIFICATIONS: Delete: **A, C, SP-2, SP-25, TSP-2, TSP-9 through TSP-15, TSP-32, TSP-36, TSP-37, TSP-40, TSP-41, TSP-44, TSP-48, TSP-60, TSP-61, P-1 through P-16, SC-1, CC-1, CONST-7, CONST-9 through CONST-12**

Insert: **AA, CA, SP-2A, SP-25A, TSP-2A, TSP-9A through TSP-15A, TSP-32A, TSP-36A, TSP-37A, TSP-40A, TSP-41A, TSP-44A, TSP-48A, TSP-60A, TSP-61A, P-1A through P-16A, SC-1A, CC-1A, CONST-7A, CONST-9A through CONST-12A**

Add: **SP-32**

It is required that **ADDENDUM NO.** 1 be acknowledged in the space provided on the **PROPOSAL FORM.**

MR MR CB APPROVED BY: Omelio A Fernandez

BOARD OF COUNTY COMMISSIONERS
PALM BEACH COUNTY, FLORIDA
ENGINEERING & PUBLIC WORKS
ROADWAY PRODUCTION DIVISION

Project Name: **Annual Roadway Landscaping Contract**

Project Number: **2020053**

ADDENDUM NO. 2

Date of Issuance: **February 27, 2020**

SPECIFICATIONS: Delete: AA
Insert: AB
Add: SP-33

It is required that **ADDENDUM NO. 2** be acknowledged in the space provided on the **PROPOSAL FORM.**

APPROVED BY: MR Omelio A Fernandez

PALM BEACH COUNTY, FLORIDA

PROJECT NAME: ANNUAL ROADWAY LANDSCAPING CONTRACT

PROJECT NO.: 2020053

INDEX

Bidding Forms

Cover Sheet ..... Cover
Index ..... AB
Notice to Bidders ..... B
Advertisement for Bid ..... CA
Submittals Requested with Bid ..... D
Instructions to Bidders ..... ITB-1 to ITB-12

Specifications / Provisions

Special Provisions ..... SP-1 to SP-31
Special Provisions [Requests for Information (Contractor RFI's)] ..... SP-32 to SP-33
Technical Special Provisions ..... TSP-1 to TSP-61
Standard Specifications SS-1
General Provisions ..... GP-1 to GP-140

Release / Permits / EBO Forms

Driveway Construction Release ..... DE-1 to DE-2
Permits PER-1
EBO Forms ..... EBO-1 to EBO-6

Proposal

Proposal Form ..... P-1A to P-16A

Bid Forms / Requirements / Bid Bond

Palm Beach County Local Preference Ordinance & Cert. of Business Location ..... LP-1 to LP-2
Living Wage Ordinance and Certifications ..... LW-1 to LW-4
Scrutinized Companies SC-1A
Bid Bond ..... BB-1 to BB-2
Certificate of Resolution CC-1A

Contract Forms / Requirements / Construction Bond

Contract ..... C-1 to C-2
Public Construction Bond ..... PCB-1 to PCB-4
EBO Schedules 3 and 4 ..... PC-1 to PC-2
Certification of Sublet Work SW-1
Certificate of Insurance CI-1
Construction Coordination Forms ..... CONST-1 to CONST-12A

NOTICE TO BIDDERS

A PRE-BID MEETING WILL BE HELD ON

THURSDAY JANUARY 30, 2020 AT 10:00 A.M.

AT THE ENGINEERING & PUBLIC WORKS DEPARTMENT

IN THE THIRD FLOOR MAIN CONFERENCE ROOM (3W-12)

LOCATED AT 2300 NORTH JOG ROAD

WEST PALM BEACH, FLORIDA, 33411-2745

IF THERE ARE ANY QUESTIONS

CONCERNING THIS MEETING,

PLEASE CONTACT THE OFFICE OF

ROADWAY PRODUCTION

AT (561) 684-4150

ADVERTISEMENT FOR BID

Sealed Bids will be received by the Board of County Commissioners, Palm Beach County, Florida, in the Office of Palm Beach County Engineering & Public Works Department, Roadway Production Division, located at 2300 North Jog Road, Third Floor Room 3W-33, West Palm Beach, Florida, 33411-2745, up to 2:00 P.M., local time, and opened in the Third Floor Conference Room (3W-12) on **Tuesday, March 3, 2020**, for furnishing all Materials, labor, Equipment and supplies necessary for the Construction of:

ANNUAL ROADWAY LANDSCAPING CONTRACT
PALM BEACH COUNTY PROJECT NO. 2020053

All conditions and requirements for Bid submission, consideration, and award are contained in the Contract Documents, which are posted on the following Palm Beach County web site:

https://pbcvssp.co.palm-beach.fl.us/webapp/vssp/AltSelfService

To review the Contract documents for this project, go to the above URL and click on the project hyperlink. Contractors may then download and print the Contract documents (Plans, Specifications, Excel Proposal Forms, check list "with required forms" and any other related documents).

Hard copy documents will be available at the Department for a non-refundable service fee of **$35**. The Contractor shall contact Palm Beach County Roadway Production Division at (561) 684-4150 in advance to arrange for hard copies.

All Bids shall be submitted in accordance with the Bid documents, including but not limited to the General Provision Section 2 and accompanied by the documentation referenced therein.

The Pre-Bid Meeting will be held on Thursday, January 30, 2020 at 10:00 A.M., in the Third Floor Main Conference Room (3W-12) in the Palm Beach County Building at 2300 North Jog Road, West Palm Beach, Florida. Attendance at this pre-bid meeting is highly recommended and strongly encouraged. To the extent you are unable to attend the pre-bid meeting, you may request and obtain an audio recording of the meeting by contacting Palm Beach County Roadway Production Division at (561) 684-4150.

The Board of County Commissioners reserves the right to reject any or all Bids. By order of the Board of County Commissioners, Palm Beach County, Florida.

ATTEST:
SHARON R. BOCK, CLERK & COMPTROLLER

DAVID RICKS, P.E., COUNTY ENGINEER

BOARD OF COUNTY COMMISSIONERS
PALM BEACH COUNTY, FLORIDA

BY: Dave Kerner, Mayor

PUBLISH: PALM BEACH POST
SUNDAY: JANUARY 19, 2020
SUNDAY: JANUARY 26, 2020

CA

SUBMITTALS REQUESTED WITH BID

At a minimum, submit one original package containing the following:
(see contract documents to determine of other requirements apply)

- ✓ EBO Schedules 1 & 2 (pages EBO-1, EBO-2)
- ✓ All Proposal Pages (P Pages)
- ✓ Signed Contractor's Certification (Last P Page)
- ✓ Signed/Sealed Local Preference (Page LP-2)
  with Copy of Bidder's Palm Beach County Tax Receipt (If Eligible)
- ✓ Signed/Sealed Living Wage (Pages LW-2, LW-3, LW-4)
- ✓ Scrutinized Companies (Page SC-1)
- ✓ Acknowledged/Sealed Bid Bond and Bid Bond forms pages BB-1 and BB-2
- ✓ Certificate of Resolution (Page CC-1)
- ✓ Copy of Firm's Active License to Conduct Business in the State of Florida
- ✓ FDOT Pre-qualification Letter or Similar Project Experience
  (see General Provisions Section 2-1)

INSTRUCTIONS TO BIDDERS

Prospective Bidders are hereby advised that Division I of the FDOT Standard Specifications for Road and Bridge Construction 2017 (and as amended herein) ("Specifications") shall serve as instructions to Bidders along with the following:

1. **VSS REGISTRATION REQUIRED**: Prior to Contract award or renewal ("Award"), Contractor must register in the County's Vendor Self Service ("VSS") at https://pbcvssp.co.palm-beach.fl.us/webapp/vssp/AltSelfService. If Contractor intends to use subcontractors, Contractor must also ensure that all subcontractors are registered as vendors in VSS prior to Contract Award. All subcontractor agreements must include a contractual provision requiring that the subcontractor register in VSS. County will not finalize Contract Award until Contractor has certified that the Contractor and all of its subcontractors are registered in VSS.

2. **LAWS AFFECTING PUBLIC WORK:** Bidders shall be familiar with the various Federal, State and Local Laws affecting the prosecution of the Work. As outlined in Section 2-11 of the Specifications, Palm Beach County (County) Administrative Code Section 305.02 & 402.00, and the Purchasing Ordinance (Palm Beach County Code, Chapter 2, Article III, Division 2, Part A), the County is responsible to assure the qualifications of any or all prospective Contractors.

3. **POWER OF ATTORNEY:** Attorneys-in-fact who sign Proposal Guaranties and Contract Bonds must file with such bond a certified copy of their power of attorney to sign said bonds.

4. **ADDENDA – CHANGES WHILE BIDDING:** No interpretation of the meaning of the Plans, Specifications or other Contract Documents will be made to any Bidder orally. Every Request for Information (RFI) is preferred to be submitted to the Director, Palm Beach County Roadway Production Division via electronic mail (e-mail) to email address:

   ENG-RoadwayBids@pbcgov.org

   RFI's may also be mailed or faxed to the Director at the following: 2300 N. Jog Road, Suite #3W-33, West Palm Beach, Florida, 33411-2745. Fax: 561-684-4166. For the RFI to be given consideration, it must be submitted at least five (5) Working Days prior to the date and time fixed for the opening of Bids.

   Any and all such interpretations and any supplemental instructions will be in the form of written Addenda to the Contract Documents which, if issued, will be posted on the following URL: https://pbcvssp.co.palm-beach.fl.us/webapp/vssp/AltSelfService
   up to seventy-two (72) hours prior to the date and time fixed for the opening of Bids. The exceptions to this notification period shall be that of an Addenda whose content is limited to the listing of additional approved manufacturers and substitutions, or one which contains minor clarifications or changes, which shall be issued up to 24 hours prior to the date fixed for the Contract Letting. The request for Bids may be withdrawn, or the date for receipt of Bids may be postponed, at any time prior to the bid opening.

   The Bidder shall acknowledge and certify receipt of all addenda by completing the Proposal Form page. Copies of Addenda will also be made available for inspection at the Department where Bidding Documents are on file for that purpose. Failure of any Bidder to receive any

such Addenda of interpretation shall not relieve any Bidder from any obligation under the Bid as submitted. All addenda so issued shall, ultimately, become part of the Contract Documents.

5. **POSTING OF BID TABULATIONS:** Recommended award will be posted for review by interested parties at the Engineering & Public Works Department located at 2300 N. Jog Rd., Suite #3W-33, West Palm Beach, Florida, 33411-2745, Florida, and will remain posted for a period of at least seventy-two (72) hours prior to approval by the Board of County Commissioners. Failure to file a protest to the Director of Purchasing Department within the time prescribed in the County Purchasing Ordinance shall constitute a waiver of proceedings under the referenced County Ordinance.

6. **EQUAL BUSINESS OPPORTUNITY PROGRAM**

Please note that all forms related to the Equal Business Opportunity (EBO) Program, including waiver forms and good faith effort documentation can be found at:

http://discover.pbcgov.org/oebo/Pages/Documents.aspx.

6.1 - Definitions The following terms, phrases, words and their derivations shall have the meanings given. Where not inconsistent with the context, words used in the present tense include the future tense, words in the plural number include the singular number, "any" includes "all," "and" includes "or." Capitalized terms are defined as set forth in the EBO Ordinance, and in the Contract.

6.1.1 - **"Prime"** and **"prime consultant"** mean, refer, and relate to **"Prime Contractor,"** as defined in the EBO Ordinance, and to **"CONSULTANT,"** as defined in the Contract, and as applicable.

6.1.2 - **"Solicitation"** and **"solicit"** mean, refer, and relate to Advertisement for Proposals.

6.1.3 - **"Proposer"** shall mean **"Bidder"**

6.1.4 - **"Proposal"** shall mean **"Bid"** as defined in the EBO Ordinance.

6.1.5 – **"Subcontractor"** shall mean **"Subconsultant"** as applicable.

6.2 - Policy

It is the policy of Palm Beach County's Board of County Commissioners that all segments of its business population, including, but not limited to, small, local, minority and women owned businesses, have an equitable opportunity to participate in the Department's procurement process, prime contract and subcontract opportunities. To that end, the Department's Board of County Commissioners adopted an Equal Business Opportunity Ordinance which is codified in Sections 2-80.20 through 2-80.30 (as may be amended) of the Palm Beach County Code, (EBO Ordinance)

which sets forth the requirements for the EBO Program, and which is incorporated in this solicitation. The Contractor must comply with the requirements contained in this section for the Contractor to be deemed responsive to the solicitation requirements. The provisions of the EBO Ordinance are applicable to this solicitation, and shall have precedence over the provisions of this solicitation in the event of a conflict.

6.3 - Application of S/M/WBE Goals through Affirmative Procurement Initiatives (APIs)

6.3.1 - Application of API(s)

The API approved for this solicitation, including any applicable S/M/WBE goals is:

SBE Subcontracting Program (EBO Ordinance Section 2.80.27(1)(c))
A 20% SBE subcontracting participation goal is established for this Contract.
A minimum mandatory goal of 20% of the total estimated dollar value of the Contract shall be subcontracted to SBEs, however the EBO Office shall reduce or waive this goal when there is inadequate availability of SBE prime and / or Subcontractor firms.

Any bid that fails to comply with the API requirements included in this solicitation after the period allowed for waiver requests has lapsed shall be deemed non-responsive to the solicitation requirements.

6.3.2 - API Waiver Requests

If The Contractor is unable to comply with the API(s) requirements as set forth in this solicitation, the Contractor shall submit a request for a waiver or partial waiver at least seven (7) business days prior to the bid due date as stated in the solicitation. If the Contractor requests a waiver from an API requirement from the Office of Equal Business Opportunity (OEBO) at least seven (7) business days prior to the bid due date, then the bid due date will be extended pending the outcome of a waiver request. Additionally, if the waiver is granted, the solicitation will be amended accordingly and the due date extended. After submission of a bid, if The Contractor, through no fault of its own, is unable to meet the S/M/WBE participation specified in its bid, then The Contractor must immediately seek substitute S/M/WBEs to fulfill the requirements and obtain the approval of the EBO Director. If, after reasonable Good Faith Efforts, as defined below, the Contractor is unable to find an acceptable substitute S/M/WBE, a post-bid opening waiver may be requested. The request shall document the reasons for the Contractor's inability to meet the goal requirement. In the event the Contractor is found not to have performed Good Faith Efforts, as defined below, in its attempt to find a suitable substitute for the initial S/M/WBE proposed utilization, one (1) or more of the penalties and sanctions as set forth in the EBO Ordinance may be applied.

6.3.3 - Good Faith Efforts

Such waiver request shall include specified documentation that demonstrates satisfactory Good Faith Efforts, as defined below, were undertaken by The Contractor to comply with the requirements as described under the selected API. The Good Faith Effort waiver request with instructions for submission to the OEBO, is located on the EBO website at http://discover.pbcgov.org/oebo/Pages/Documents.aspx. The OEBO shall review a waiver request within seven (7) business days of receipt. The bid due date will be extended during this review period. If the OEBO determines that adequate Good Faith Efforts, as defined below, have been demonstrated by the Contractor to warrant a partial or total waiver of the API, then the solicitation shall be amended accordingly to reflect the partial or total waiver, and any bids received by the Department in the interim shall be returned unopened. The amended solicitation shall then be advertised to all prospective Proposers and the bid due dated extended. However, if the OEBO determines that the Proposer failed to submit documentation sufficient to demonstrate that Good Faith Efforts, as defined below, were undertaken by the Proposer to support its waiver or partial waiver request, the request for waiver or partial waiver shall be denied, and the solicitation shall remain unchanged. In the event of an adverse waiver or partial waiver request decision, the Proposer shall have the right to request reconsideration of the adverse decision by the Director OEBO, and if still aggrieved, shall be subsequently entitled to the process for an appeal to a Special Master as referenced in Section 2.-80.28 (b) of the EBO Ordinance. The solicitation due date shall be extended pending the OEBO Director's reconsideration and Special Master appeal process, if requested.

6.3.4 - Documentation Required for Good Faith Efforts

Documentation means documentation of the Proposer's intent to comply with the applicable API(s), including, but not limited to, the following:

- documentation as stated in the solicitation reflecting the Proposer's commitment to comply with S/M/WBE goals as established by the OEBO for a particular contract; or
- documentation of efforts made toward achieving EBO program goals
    - solicitations of bids/proposals/qualification statements from all qualified S/M/WBE firms listed in the OEBO's directory of certified S/M/WBE firms;
    - correspondence from qualified S/M/WBE firms documenting their unavailability to perform S/M/WBE contracts;
    - documentation of efforts to subdivide work into smaller quantities for subcontracting purposes to enhance opportunities for S/M/WBE firms;
    - documentation of a Prime Consultant's posting of a bond covering the work of S/M/WBE subcontractors;

- documentation of efforts to assist S/M/WBE firms with obtaining financing, bonding or insurance required by the Proposer; and
- documentation of consultations with trade associations and contractors that represent the interests of S/M/WBEs in order to identify qualified and available S/M/WBE subcontractors.

Scoring of Good Faith Efforts documentation and administrative determinations regarding the adequacy of such Good Faith Efforts is the responsibility of the OEBO.

6.4 - Proposal Submission Documentation

S/M/WBE bidders, proposing as prime contractors, are advised that they must complete Schedule 1 and Schedule 2, listing the work to be performed by their own workforce, as well as the work to be performed by all subcontractors, including S/M/WBE subcontractors. Failure to include this information on Schedule 1 will result in the participation by the S/M/WBE prime bidder's own workforce NOT being counted towards meeting the S/M/WBE goal. This requirement applies even if the S/M/WBE bidder intends to perform 100% of the work with their own workforce.

6.4.1 - S/M/WBE Participation. Proposer represents and warrants that Proposer will meet the S/M/WBE participation percentages submitted in its bid with the subcontractors contained on Schedules 1 and 2 and at the dollar values specified. Proposer agrees to provide any additional information requested by the Department to substantiate participation.

6.4.2 - Proposers are required to submit Schedules 1 and 2 with their bid in order to be deemed responsive to this solicitation. Subcontractor documentation shall be submitted as follows:

6.4.2.1 - Schedule 1 - List of Proposed Subcontractors

A completed Schedule 1 submitted by the prime shall list the names of all subcontractors intended to be used in performance of the Contract, if awarded. The total proposed percentage of S/M/WBE participation shall also be included on this form. This schedule shall also be used if an S/M/WBE Contractor is performing all or any portion of this Contract with their work force.

6.4.2.2 - Schedule 2 - Letter of Intent

A completed Schedule 2 is a binding document between the Contractor and a subcontractor (or any tier) and should be treated as such. The Schedule 2 shall contain bolded language indicating that by signing the Schedule 2, both parties recognize this Schedule as a binding document. Each Schedule 2 shall be properly executed by the Contractor and by the proposed subcontractor. If the Contractor is an S/M/WBE, a Schedule 2 shall be submitted to document work to be performed

by its workforce. All S/M/WBE(s) shall specify, in detail, the type of work they will perform along with the dollar amount they will be compensated and/or percentage of work they will perform. If any subcontractor intends to subcontract any portion of their work, they are required to list the dollar amount and the name of the subcontractor on this form. All named subcontractors on this form must also complete and submit a separate Schedule 2. The Contractor may count toward its S/M/WBE goal second and third tiered certified S/M/WBE(s); provided that the Contractor submits a completed Schedule 2 form for each S/M/WBE.

A detailed quote or bid may be attached with a signed Schedule 2.

6.4.2.3 – Schedule Submittals

6.4.2.3.1 - Failure to submit a properly executed Schedule 1 and Schedule 2 will result in a bid being rejected as non-responsive to the solicitation.

6.4.2.3.2 - In the event of a conflict between Schedules 1 and 2 when calculating S/M/WBE participation, the information provided on Schedule 2 shall have precedence.

6.4.2.3.3 - In the event of mathematical error(s), the unit price, if available, shall prevail and the prime's total offer shall be corrected accordingly.

6.5 - S/M/WBE Certification

Only those firms certified by Palm Beach County at the time of bid submission shall be counted toward the established S/M/WBE goals. Upon receipt of a completed application, **IT TAKES UP TO NINETY (90) BUSINESS DAYS TO BECOME CERTIFIED AS AN S/M/WBE WITH PALM BEACH COUNTY.** It is the responsibility of the bidder to confirm the certification of any proposed S/M/WBE; therefore, it is recommended that bidders visit the online Vendor Directory at www.pbcgov.org/oebo to verify S/M/WBE certification status. Firms must continue to recertify during the life of the Contract as the Department may only count toward the established goal, work performed by an S/M/WBE during the time their certification dates are valid.

6.6 - Counting S/M/WBE Participation

Once a business is determined to be an eligible S/M/WBE according to the County certification procedures, the Contractor may count toward its goals only that portion of the total dollar value of a contract performed by the S/M/WBE. Prior to issuance of this solicitation, the total dollar value of a contract will be determined by the Department by defining factors to be considered as value. Total dollar value of retail contracts shall be determined by Gross Receipts, as defined in the EBO Ordinance.

6.6.1 - Certified S/M/WBE participation will only count toward the established goal in a business category in which it does not exceed the size standard.

6.6.2 - The Contractor may count toward the established API a portion of the total dollar value of a contract with a joint venture, based on the clearly defined portion of the work to be performed by the certified S/M/WBE of the joint venture.

6.6.3 - The Contractor may count toward the established API the entire expenditures for materials and equipment purchased by an S/M/WBE subcontractor, provided that the S/M/WBE subcontractor has the responsibility for the installation of the purchased materials and equipment.

6.6.4 - The Contractor may count sixty percent (60%) of its expenditure to S/M/WBE suppliers / distributors that are not manufacturers toward the established goal.

6.6.5 - The Contractor may count toward the established goal, second and third tiered certified S/M/WBEs, provided that the Prime submits a completed Schedule 2 form for each S/M/WBE.

6.6.6 - The Contractor may count the entire expenditure to an S/M/WBE manufacturer toward the established goal (i.e., a supplier/distributor that produces goods from raw materials or substantially alters the goods before resale).

6.6.7 - The Contractor may only count towards the established goal the goods and services in which the S/M/WBE subcontractor is certified and performs with their work force.

6.7 - Responsibilities After Contract Award

6.7.1 - Schedule 3- Subcontractor Activity Form

The Contractor shall submit a completed Activity Report form (Schedule 3) with each invoice, or payment application when any subcontractor has provided services during the period in which the Prime is requesting payment. This form shall contain the names of all subcontractors, and specify the contracted dollar amount; approved change orders; revised contract amount; amount drawn this period; amount drawn to date; and payments to date issued to all subcontractors with their starting date.

6.7.2 - Schedule 4- Payment Certification Form

A fully executed Schedule 4 shall be submitted for each subcontractor after receipt of payment from the Contractor. The Contractor shall submit this form with each payment application or invoice submitted to the Department when the Department has paid the

Contractor on the previous payment application for services provided by a subcontractor. If any subcontractor intends to disburse funds associated with this payment to another subcontractor for labor provided on this Contract, the amount and name of the subcontractor shall be listed on this form. All named subcontractors on this form must also complete and submit a separate Schedule 4 after receipt of payment. If the Contractor is a certified S/M/WBE, a Schedule 4 shall be submitted to reflect the amount of payment retained by the Contractor for services performed by its own workforce. All bidders hereby agree and assure that they will meet the S/M/WBE participation percentages submitted in their respective bids with the subcontractors contained on Schedules 1 and 2 and at the dollar values specified. Respondents or bidders agree to provide any additional information requested by the Department to substantiate participation.

6.7.3 - The successful CONSULTANT shall submit a Subcontractor Activity Form (Schedule 3) and Payment Certification Forms (Schedule 4) with each payment application. **Failure to provide these forms may result in a delay in processing payment or disapproval of the invoice until they are submitted.** The Subcontractor Activity Form (Schedule 3) is to be filled out by the Contractor and the Payment Certification Forms (Schedule 4) are to be executed by the subcontractor to verify receipt of payment.

6.7.4 - Upon letter notification by the Department that the EBO payment portal/tracking system is available for use, the Contractor is required to input all subcontractor payment information directly into the EBO payment portal prior to submitting a payment application.

6.7.5 - Post Proposal Waiver Request. After submission of a bid, if Proposer, through no fault of its own, is unable to meet the S/M/WBE participation specified in its bid, then Proposer must immediately seek substitute S/M/WBEs to fulfill the requirements and obtain the approval of the EBO Director. If, after reasonable Good Faith Efforts, the Proposer is unable to find an acceptable substitute S/M/WBE, a post-bid opening waiver may be requested. The request shall document the reasons for the Proposer's inability to meet the goal requirement. In the event the Proposer is found not to have performed Good Faith Efforts in its attempt to find a suitable a substitute for the initial S/M/WBE proposed utilization, one (1) or more of the penalties and sanctions as set forth herein may be imposed by the EBO Office.

6.7.6 - Change Orders and Modifications. If the Department's issuance of an alternate or change order on a project results in changes in the scope of Work to be performed by a S/M/WBE subcontractor listed at bid opening, the Contractor must submit a modified, completed and signed Schedule 2 that specifies the revised scope of Work to be performed by the S/M/WBE, along with the price and /or percentage.

6.8 - S/M/WBE Substitutions

6.8.1 - After Contract award, the Contractor will only be permitted to substitute a certified S/M/WBE that is unwilling or unable to perform. The Contractor will only be permitted to modify the scope of work or price of an S/M/WBE listed at bid opening or date/time for submission of the response to the solicitation as a result of the Department's issuance of an amendment, alternate or change orders on a project. Substitutions shall be done with like certified S/M/WBEs in order to maintain the participation percentages submitted with the bid.

6.8.2 - All requests for modifications or substitutions shall be submitted to the Department's Office of EBO on the EBO Request for S/M/WBE Substitution Modification Removal Form for review. Upon receiving an approval for substitution, the Contractor shall submit a completed and signed Schedule 2 for the new S/M/WBE; the new S/M/WBE shall specify the type of work to be performed, and the dollar amount and/or percentage shall also be specified upon receiving approval for modification or substitution. A detailed quote or bid may be attached with a properly executed Schedule 2.

6.9 - EBO Program Compliance- Penalties

6.9.1 - Under the EBO Ordinance, the OEBO is required to implement and monitor S/M/WBE utilization during the term of any contract resulting from this solicitation. It is the Department's policy that S/M/WBEs shall have the maximum feasible opportunity to participate in the performance of Palm Beach County contracts. All Proposers are required to comply with the EBO Ordinance and shall be expected to comply with the API(s) applicable to this solicitation, as well as the S/M/WBE utilization proposed by a Proposer in its Proposal, which utilization plan forms a part of any resulting Contract.

6.9.2 - The Director of the OEBO or designee may require such reports, information, and documentation from the Proposer as are reasonably necessary to determine compliance with the EBO Ordinance requirements.

6.9.2.1 - Proposer shall correct all noncompliance issues within fifteen (15) calendar days of a written notice of noncompliance by the Department.

6.9.2.2 - If the Contractor does not resolve the non-compliance within fifteen (15) calendar days of receipt of written notice of non-compliance, then upon recommendation of sanctions by the Director of EBO or designee in consultation with the Department regarding the failure of a contractor, vendor, respondent or bidder or other business representative to comply with any portion of the EBO Ordinance, the Director of the EBO or designee (for purposes of

imposing penalties, the Purchasing Director shall serve as the EBO designee) may impose any or all of the following penalties on the non-complying party any or all of the following penalties:

- Suspension of Contract;
- Withholding of funds;
- Termination of Contract based upon a material breach of Contract pertaining to EBO Program compliance;
- Suspension or Debarment of a respondent or bidder, contractor or other business entity from eligibility for providing goods or services to the Department for a period not to exceed three (3) years; and
- Liquidated damages equal to the difference in dollar value of S/M/WBE participation as committed to in the Contract, and the dollar value of S/M/WBE participation as actually achieved, if applicable.

7. INCENTIVES

Apprentice Incentive

Palm Beach County offers an Apprentice Incentive payment to a contractor who actually expends a minimum of $25,000 (including subcontractors) in payroll costs on apprentice wages. For purposes of this section, "apprentice" means any person who is participating in a Florida Department of Education registered apprenticeship program. The Living Wage provisions of this Contract shall not be diminished by paying an apprentice less than the Living Wage.

Upon completion of the Contract, Contractor may apply for the payment which will be added to the Contract by change order. If the County determines that the Contractor complied with the requirements of this section, it will reimburse the contractor 20% of its apprentice wages (including payroll taxes, costs, and benefits) up to a maximum reimbursement of $100,000. The request must be submitted no later than 45 days after Substantial Completion of the project.

For projects with construction costs of $20,000,000 or greater, the threshold amount of expenditures for apprentices which must be paid to qualify for the incentive shall increase to $50,000 and the maximum reimbursement payment to $200,000.

To be eligible for the Apprenticeship Incentive payment, the apprentice employer (through the Contractor) must provide the following documentation: apprentice name(s), contact information, the apprentice Registered Apprenticeship Partners Information Data System (RAPIDS) Registration number, certification from the apprentice program that the employee was in good standing during the time on the project, registered trade, and certified payroll for the apprentice hours worked on the project.

The Contractor is required to forward all documentation, assembled and submitted by the apprentice employer in accordance with the above paragraph, to the County for review and

disposition. Any incentive that the County approves shall be provided to the apprentice employer in full.

Glades Resident Incentive

Palm Beach County offers an incentive Payment to any contractor (and subcontractors) who hires a new employee that is a resident of the Glades area for work on County contracts ("Glades Employee"). For purposes of this section, "resident of the Glades area" means any person whose legal residence is located in the Glades area as defined in the Palm Beach County Local Preference Ordinance.

To be eligible for the Incentive Payment, the employee must be a full-time employee of the Contractor for a minimum of 3 weeks on this project and cannot have worked for the Contractor claiming the Glades Employee as a new hire for 90 days prior to this project. Within 5 days of the Contractor hiring and the Glades Employee reporting to work at the project site, Contractor must provide the following documentation ("Hiring Certification"): Glades Employee name, contact information including legal residence, copy of driver's license or other proof of residence, hire date, start date at project site, and trade. Both the Glades Employee and employer must sign the Hiring Certification with signatures notarized.

The County has the right, but not the obligation, to conduct unannounced field interviews with the Glades Employee to ensure compliance with the requirements of this Section.

Upon completion of the Contract, Contractor may apply for the Incentive Payment which will be added to the Contract by change order. The documentation ("Incentive Certification") required includes resubmitting of the Hiring Certification along with the employment end date or last day on the job site (whichever is earlier), a certified payroll for the hours worked on the project, and employee wages and benefits paid. The Incentive Certification must be signed by both the Glades Employee and employer with both signatures notarized. No markup will be allowed either by the General Contractor or a subcontractor.

If the County determines that the Contractor complied with the requirements of this section, it will reimburse the contractor 30% of the new employee(s) wages (including payroll taxes, costs, and benefits) up to a maximum reimbursement of $100,000. The request must be submitted no later than 45 days after Substantial Completion of the project.

A Contractor can only claim the Incentive Payment once for each Glades Employee within a rolling twelve (12) month period, but the incentive can be claimed across multiple County contracts.

It is a Contract requirement of the Contractor that any reimbursement requested by a subcontractor under this Section be processed by the Contractor to the County for review.

8. ANNUAL CONSTRUCTION CONTRACT ON A TASK WORK ORDER BASIS

See Special Provisions for Method of Ordering Work (SP-10) and Annual construction Contract intent and spending limits (pages SP-11, C-1).

THIS SPACE LEFT BLANK INTENTIONALLY

SPECIAL PROVISIONS

1. COMMERCIAL NON-DISCRIMINATION: The County is committed to assuring equal opportunity in the award of contracts and complies with all laws prohibiting discrimination. Pursuant to Palm Beach County Resolution R2017-1770, as may be amended, the Contractor warrants and represent that throughout the term of the Contract, including any renewals thereof, if applicable, all of its employees are treated equally during employment without regard to race, color, religion, disability, sex, age, national origin, ancestry, marital status, familial status, sexual orientation, gender identity or expression, or genetic information. Failure to meet this requirement shall be considered default of the Contract.

The Contractor represents and warrants that it will comply with the County's Commercial Nondiscrimination Policy described in Resolution 2017-1770, as amended. As part of such compliance, the Contractor shall not discriminate on the basis of race, color, national origin, religion, ancestry, sex, age, marital status, familial status, sexual orientation, gender identity or expression, disability, or genetic information in the solicitation, selection, hiring or commercial treatment of subcontractors, vendors, suppliers, or commercial customers, nor shall the Contractor retaliate against any person for reporting instances of such discrimination. The Contractor shall provide equal opportunity for subcontractors, vendors and suppliers to participate in all of its public sector and private sector subcontracting and supply opportunities, provided that nothing contained in this clause shall prohibit or limit otherwise lawful efforts to remedy the effects of marketplace discrimination that have occurred or are occurring in the County's relevant marketplace in Palm Beach County. The Contractor understands and agrees that a material violation of this clause shall be considered a material breach of any resulting contract and may result in termination of the contract, disqualification or debarment of the Contractor from participating in County contracts, or other sanctions. This clause is not enforceable by or for the benefit of, and creates no obligation to, any third party.

All subcontractor agreements shall include this commercial non-discrimination clause.

2. PALM BEACH COUNTY OFFICE OF THE INSPECTOR GENERAL: Palm Beach County has established the Office of the Inspector General in Palm Beach County Code, Section 2-421 – 2-440, as may be amended. The Inspector General's authority includes but is not limited to the power to review past, present and proposed Department contracts, transactions, accounts and records, to require the production of records, and to audit, investigate, monitor, and inspect the activities of the Contractor, its officers, agents, employees, and lobbyists in order to ensure compliance with Contract requirements and detect corruption and fraud.

Failure to cooperate with the Inspector General or interfering with or impeding any investigation shall be in violation of Palm Beach County Code, Section 2-421 – 2-440, and punished pursuant to Section 125.69, Florida Statutes, in the same manner as a second degree misdemeanor.

3. PUBLIC ENTITY CRIMES: In accordance with F.S. 287.133 (2) (a), persons and affiliates who have been placed on the convicted vendor list may not submit Bids, Contract with, or perform work (as a contractor, supplier, subcontractor or consultant) with any public entity (i.e. Palm Beach County) in excess of Twenty five Thousand dollars (or such other amount as may be hereafter established by the Florida Division of Purchasing in accordance with F.S. 287.017) for a period of 36 months from the date of being placed on the convicted vendor list.

As provided in F.S. 287.132-133, by entering into this Contract or performing any Work in furtherance hereof, the contractor certifies that it, its affiliates, suppliers, subcontractors and consultants who will perform hereunder, have not been placed on the convicted vendor list maintained by the State of Florida Department of Management Services within the 36 months immediately preceding the date hereof. This notice is required by F.S. 287-133(3)(a).

The Contractor, Contractor's employees, or subcontractors of Contractor and employees of subcontractors shall comply with Palm Beach County Code, Section 2-371 - 2-377, the Palm Beach County Criminal History Records Check Ordinance ("Ordinance"), for unescorted access to critical facilities ("Critical Facilities") or criminal justice information facilities ("CJI Facilities") as identified in Resolutions R2013-1470 and R2015-0572, as amended. The Contractor is solely responsible for the financial, schedule, and/or staffing implications of this Ordinance. Further, the Contractor acknowledges that its Contract price includes any and all direct or indirect costs associated with compliance with this Ordinance, except for the applicable FDLE/FBI fees that shall be paid by the Department.

This Contract may include sites and/or buildings which have been designated as either "critical facilities" or "criminal justice information facilities" pursuant to the Ordinance and above referenced Resolutions, as amended. Department staff representing the Department will contact the Contractor(s) and provide specific instructions for meeting the requirements of this Ordinance. Individuals passing the background check will be issued a badge. The Contractor shall make every effort to collect the badges of its employees and its subcontractors' employees upon conclusion of the Contract and return them to the Department. If the Contractor or its subcontractor(s) terminates an employee who has been issued a badge, the Contractor must notify the Department within two (2) hours. At the time of termination, the Contractor shall retrieve the badge and shall return it to the Department in a timely manner.

The Department reserves the right to suspend the Contractor if the Contractor 1) does not comply with the requirements of County Code Section 2-371 - 2-377, as amended; 2) does not contact the Department regarding a terminated Contractor employee or subcontractor employee within the stated time; or 3) fails to make a good faith effort in attempting to comply with the badge retrieval policy.

4. CHAPTER 119, F.S. PUBLIC RECORDS

Notwithstanding anything contained herein, as provided under Section 119.070 I, F.S., if the Contractor: (i) provides a service; and (ii) acts on behalf of the Department as provided under Section 119.011(2) F.S., the Contractor shall comply with the requirements of Section 119.0701, Florida Statutes, as it may be amended from time to time. The Contractor is specifically required to:

1. Keep and maintain public records required by the Department to perform services as provided under this Contract.

2. Upon request from the Department's Custodian of Public Records, provide the Department with a copy of the requested records or allow the records to be inspected or copied within a reasonable time at a cost that does not exceed the cost provided in Chapter 119 or as otherwise provided by law. The Contractor further agrees that all fees, charges and expenses shall be determined in accordance with Palm Beach County PPM CW-F-002, Fees Associated with Public Records Requests, as it may be amended or replaced from time to time.

3. Ensure that public records that are exempt, or confidential and exempt from public records disclosure requirements are not disclosed except as authorized by law for the duration of the Contract term and following completion of the Contract, if the Contractor does not transfer the records to the public agency.

4. Upon completion of the Contract the Contractor shall transfer, at no cost to the Department, all public records in possession of the Contractor unless notified by the Department's representative/liaison, on behalf of the Department's Custodian of Public Records, to keep and maintain public records required by the Department to perform the service. If the Contractor transfers all public records to the Department upon completion of the Contract, the Contractor shall destroy any duplicate public records that are exempt, or confidential and exempt from public records disclosure requirements. If the Contractor keeps and maintains public records upon completion of the Contract, the Contractor shall meet all applicable requirements for retaining public records. All records stored electronically by the Contractor must be provided to the Department, upon request of the Department's Custodian of Public Records, in a format that is compatible with the information technology systems of the Department, at no cost to the Department.

Failure of the Contractor to comply with the requirements of this Article shall be a material breach of this Contract. The Department shall have the right to exercise any and all remedies available to it, including but not limited to, the right to terminate for cause. Contractor acknowledges that it has familiarized itself with the requirements of Chapter 119, F.S., and other requirements of State law applicable to public records not specifically set forth herein.

IF THE CONTRACTOR HAS QUESTIONS REGARDING THE APPLICATION OF CHAPTER 119, FLORIDA STATUTES, TO THE CONTRACTOR'S DUTY TO PROVIDE PUBLIC RECORDS RELATING TO THIS CONTRACT, PLEASE CONTACT THE CUSTODIAN OF PUBLIC RECORDS AT:

Records Request, Palm Beach County Public Affairs Dept.
301 N. Olive Avenue
West Palm Beach, FL 33401
By email at: RECORDSREQUEST@PBCGOV.ORG
Or by Telephone at: 561-355-6680

5. SUBLETTING OR ASSIGNING CONTRACTS: All awards will be made with the understanding that the Work awarded will be performed by the Contractor to whom the award is made, with the assistance of workers, under the Contractor's immediate supervision, and the Contract shall not be sublet, conveyed, transferred or assigned to another Contractor except with the consent of the Department. In no event will the Contractor be released from responsibility. Contractor shall perform not less than 40% of the total Contract amount with its own organization.

6. THE USE OF PATENTED PROCESSES, ETC.: The basis on which a Contract will be awarded will be the bid prices. Prices shall include all charges for the use of patent processes, Materials or methods, and for all other similar incidental charges not expressly provided for in these Contract Documents.

7. NON-COLLUSION: Bidder certifies that this Bid is made without prior understanding, agreement, or connection with any corporation, firm or person submitting a Bid for the same Materials, services, supplies, or Equipment and is in all respects fair and without collusion or fraud. Conviction for the commission of any fraud or act of collusion in connection with any sale, bid, quotation, proposal or other act incident to doing business with Palm Beach County may result in permanent debarment.

No premiums, rebates or gratuities permitted; either with, prior to or after any delivery of material or provision of services. Any such violation may result in award cancellation, return of Materials, discontinuation of services, removal from the vendor bid list(s), and/or debarment or suspension from doing business with Palm Beach County.

8. CONFLICT OF INTEREST: The award is subject to the provisions of the applicable Federal laws, rules and regulations, the Florida Statutes and the Department's ordinances and resolutions. All Bidders must disclose with their Bid the name of any officer, director, or agent of their firm who is also an employee of the Department.

The Contractor represents that it presently has no interest and shall acquire no interest, either direct or indirect, which would conflict in any manner with the performance of services required hereunder, as provided for in Chapter 112, Part III, Florida Statutes, and the Palm Beach County Code of Ethics. The Contractor further represents that no person having any such conflict of interest shall be employed for said performance of services.

The Contractor shall promptly notify the Department's representative, in writing, by certified mail, of all potential conflicts of interest of any prospective business association, interest or other circumstance which may influence or appear to influence the Contractor's judgement or quality of services being provided hereunder. Such written notification shall identify the prospective business association, interest or circumstance, the nature of Work that the Contractor may undertake and request an opinion of the Department as to whether the association, interest or circumstance would, in the opinion of the Department, constitute a conflict of interest if entered into by the Contractor. The Department agrees to notify the Contractor of its opinion by certified mail within thirty (30) days of receipt of notification by the Contractor. If, in the opinion of the Department, the prospective business association, interest or circumstance would not constitute

a conflict of interest by the Contractor, the Department shall so state in the notification and the Contractor shall, at its option, enter into said association, interest or circumstance and it shall be deemed not in conflict of interest with respect to services provided to the Department by the Contractor under the terms of this Contract.

Further, all Bidders must disclose the name of any Department employee who owns, directly or indirectly, an interest of ten percent or more in the Bidder's firm or any of its branches.

9. REGULATED SUBSTANCE USE REQUIREMENTS

"Best Management Practices" for the Construction Industry

A. The Contractor shall be responsible for assuring that each contractor or subcontractor evaluates each site before construction is initiated to determine if any site conditions may post particular problems for the handling of any Regulated Substances. For instance, handling Regulated Substances in the proximity of water bodies or wetlands may be improper.

B. If any regulated substances are stored on the construction site during the construction process, they shall be stored in a location and manner which will minimize any possible risk of release to the environment. Any Regulated Substances shall have constructed below it an impervious containment system constructed of Materials of sufficient thickness, density and composition that will prevent the discharge to the land, groundwater, or surface waters, or any pollutant which may emanate from said storage container or containers. Each containment system shall be able to contain 150% of the contents of all storage containers above the containment system.

C. Each contractor shall familiarize themselves with the manufacturer's safety data sheet supplied with each material containing a Regulated Substance and shall be familiar with procedures required to contain and clean up any releases of the Regulated Substance. Any tools or Equipment necessary to accomplish same shall be available in case of a release.

D. Upon completion of construction, all unused and waste Regulated Substance and containment systems shall be removed from the construction site by the responsible contractor and shall be disposed of in a proper manner as prescribed by law.

10. UNIT PRICES: The Contractor is advised that the Contract is a unit price contract. As such, the Bidder shall include all labor, Materials, transportation, Equipment, fuel, and all other items necessary to complete the item of Work, in the unit price for the item. All items incidental to or necessary for the completion of the bid item shall be included in the unit price for the item.

The Contractor shall also comply with to Section 9-3.1 in relation to unit prices.

11. CONTINGENT ITEMS: The Contractor shall not use contingent items to meet the EBO goal(s) participation for the Contract. The SBE and M/WBE participation goals established for the Contract, as specified in the Instructions to Bidders, shall include all pay items for the project,

less the contingency items. The use of contingent pay items shall only increase the SBE and M/WBE participation of the Contract, over and above the required goals achieved by use of regular pay items.

12. DAILY REPORTS: The Contractor shall keep daily reports of all personnel and Equipment on the project for review by the Department for the entire Contract Time.

13. UTILITIES CONTACTS: Potential utility conflicts may vary with each Work site. Prior to commencing Work, the Contractor shall visit the Work site and ascertain all site conditions, including utilities. It shall be the Contractor's responsibility to avoid conflicts with existing underground and overhead utilities and structures. Contractor shall contact the utility owners to arrange for protection or adjustment of utilities as provided in Section 7.

The Contractor shall notify all utilities servicing the Work area at least 48-hours prior to any excavation so that underground utilities may be located. The Contractor has the responsibility to contact **Sunshine State One-Call of Florida, Inc. at 1-800-432-4770** to schedule marking locations of the utilities which subscribe to their service. The Contractor shall also call (561) 641-3429 for Palm Beach County Water Utility locations and call (561) 233-3900 for Palm Beach County Traffic Control Utility locations.

The Contractor shall properly maintain and protect all utilities. The Contractor shall be responsible for the cost to repair all damages to utilities caused by his operations.

The Contractor shall fully cooperate at all times with the Owners of Utility Companies in order to maintain the operation of the existing utilities with the least amount of interference and interruption possible.

When utility installation/adjustments are included as part of the Proposal, all utility companies (including Palm Beach County Water Utilities Dept.) reserve the right to accept or reject Bid items on their part of Work and perform their Work by their forces or other contracted forces.

14. MAINTENANCE OF TRAFFIC: Maintenance of Traffic (MOT) including Pedestrian MOT shall be incidental to the pay items. If the Contractor and/or its subcontractors do not perform the MOT and do not install and maintain those items covered under MOT according to the requirements of the standards, then Palm Beach County reserves the right to reduce said item based on the pro rata performance as determined by the Department on each payment application or $1,000.00 per day, whichever is greater.

The Contractor shall assure compliance with FDOT Index 600 of the current Roadway and Traffic Design Standards. All references to "determinations by engineer" will be the responsibility of the Contractor, and shall be brought to the attention of the Department prior to implementation. The cost of complying with the stated standards shall be incidental to the MOT pay item. The Contractor shall ensure that at no time will traffic (temporary or otherwise) be permitted over installed exfiltration trenches.

Pedestrian traffic must be maintained throughout the duration of construction unless otherwise indicated.

For any lane closures that extend into the peak hour(s) or any other lane closure time restriction presented in the Contract Documents, the Contractor may be charged up to $1,000.00 per lane per ½ hour.

Lights and flags are required on the first two warning signs in the series.

15. SCHOOL ZONE

During the first and last weeks of the school year, no Work may occur within a school zone.

16. METHOD OF ORDERING (WORK ORDERS): The Department(s) will issue Work Orders on an "as needed" basis. All terms and conditions of the Bid are applicable. The individual orders will specify the Work to be performed, its location, a not-to-exceed cost (based on the Contract unit prices), and a schedule for performance. The Contractor must sign and return the unexecuted Work Order within five (5) Working Days of issuance. Then each Work Order will be executed (signed) by the authorized Department representative and notice to commence will be sent to the Contractor. The Contractor's failure or refusal to sign a Work Order within five (5) Working Days does not prevent execution of the Work Order (which is solely by signature of the authorized Department representative), and all Work Orders must be performed upon notice to commence.

Upon completion of the Work Order task, the Contractor will submit an individual invoice, a copy of the original Work Order, the appropriately completed SBE-M/WBE participation forms referenced in Item 7 of the SBE-M/WBE Program section of this Contract, a Contractor's affidavit, and consent of Surety.

Contractor shall comply will all requirements in the Contract Documents for obtaining final payment. Final payment of a Work Order does not terminate the Contract or extinguish the Surety's obligations under the Contract.

The Contractor will receive progress payments based on submitted invoices. The payment amount will be based on the Work done and accepted. No retainage is withheld.

17. PROSECUTION OF THE WORK: The Contractor will be required to maintain within Palm Beach County, at all times while this Contract is in effect, the Equipment necessary to properly carry out the provisions of these Specifications. After receiving notice to commence with the Work for a particular project the Contractor shall commence promptly within five (5) Working Days and shall efficiently prosecute the Work with adequate personnel and Equipment until completion, within 30 Calendar Days, or as designated by the County Engineer or his duly appointed representative. Failure to comply with either time requirement shall result in Liquidated Damages, assessed on a Work Order basis and in the amounts shown in Section 8-10.2 of the Standard Specifications.

18. EXTENSION: This Contract period is for thirty-six (36) months from the date of BCC approval. Option for extension and other Contract deviations will only be exercised upon mutual written agreement through a Board approved Contract Amendment, while adhering to all other original terms, conditions and unit prices of the Contract.

19. AWARD: As the best interest of the Board of County Commissioners may require, the right is reserved to make award(s) on an item-by-item basis, Lot-by-Lot basis, all-or-none or any combination thereof. See General Provision 3-2.1.

20. ANNUAL CONSTRUCTION CONTRACT ON A TASK WORK ORDER BASIS: The intent of this Contract is to award a Contract to a Contractor(s) to perform Work on a Work task order basis. Work Task Orders shall be issued on an "as needed" basis. See Special Provisions for Method of Ordering Work. The line items in the Proposal pages are intended to set unit prices for the task Work Orders. No tasks are guaranteed as part of this Contract. The total value of Work Orders issued under this Contract shall not exceed the amount listed on page C-1 of this document, however, this may be increased by mutual agreement between the Contractor and Palm Beach County via a Contract Amendment.

21. PIPE CULVERTS

1. For pipe Culverts not within the scope of a FDOT Permit or Construction Agreement, proposed pipe material and size shall meet FDOT Specifications, but is limited to:

    - Reinforced Concrete
    - High Density Polyethylene except:
        - Not permitted under Thoroughfare Roadway pavement.
        - Not permitted under pavement of Roadways providing immediate access to coastal islands.
        - Not permitted within the confines of a mechanically stabilized earth (MSE) wall.
        - Not permitted in locations where failure would jeopardize buildings adjacent to the Right-of-Way.
        - The above restrictions include pipe locations taking into consideration the angle of repose of soil under any structure or the proposed pavement, including planned future widening.
    - A-2000 Polyvinyl-chloride, except:
        - Not permitted where the pipe will be exposed to direct sunlight.
        - Not permitted when the manufacture date of the pipe to be installed exceeds 2 years.
    - Corrugated Polypropylene.

    Corrugated metal pipe may only be used as the last segment of pipe before discharging into a lake or canal when called for on the Plans.

    Pipe diameter must match or exceed sizes shown in Plans; equivalent larger size pipes may be required if proposed pipe n value exceeds 0.012. Contractor to supply the required

certified testing and computations for pipe life (see FDOT Drainage Manual). All pipe Culverts provided must meet or exceed 100 year design service life.

2. For pipe Culverts within the scope of a FDOT Permit or Construction Agreement, proposed pipe material and size are limited to pipes approved by FDOT, except non-reinforced concrete pipe shall not be used. Pipe diameter must match or exceed sizes shown in Plans; equivalent larger size pipes may be required if proposed pipe n value exceeds 0.012. Contractor to supply the required certified testing and computations for pipe life (see FDOT Drainage Manual). All pipe Culverts provided must meet or exceed 100-year design service life.

22. PIPE CULVERTS (STORM SEWER PUMPING & CLEANING)

New Storm Sewer System

The Contractor is advised that this Contract includes "pumping-down" and "cleaning" of the new storm sewer system(s), as directed by the Engineer. The Contractor shall include the cost of all labor, Materials, Equipment, transportation, fuel and all other items necessary to complete the "pumping-down" and "cleaning" of the new system(s). The Contractor shall remove the water from the system(s) to allow for visual inspections for leaks, deficiencies and lamping. When directed by the Engineer, the Contractor shall make all the necessary repairs to the new storm sewer system(s)

Payment for this Work on the new storm sewer system(s) shall be incidental to the pay item, "Pipe Culvert (Storm)", L.F.

Existing Storm Sewer System

Also included as a pay item is "pumping-down" of the **"existing"** storm sewer system(s) (to the lake/canal outfall point, or as directed by the Engineer), and shall be paid on a lineal foot basis under the pay item(s):

"Storm Sewer Pumping" (Exist.) (24" or less),
"Storm Sewer Pumping" (Exist.) (>24" to 48"),
"Storm Sewer Pumping" (Exist.) (>48")

The item(s) shall also include all costs associated with the removal of the water from the system(s) for visual inspection of leaks, deficiencies and/or lamping.

"Cleaning" of the existing storm system(s) is included as a contingent pay item and the Work required under this item will be determined by the Engineer upon review of the system(s) after the pumping phase.

The "cleaning" of the existing storm sewer system(s) shall be paid on a lineal foot basis under the pay item(s):

"Storm Sewer Cleaning" (Exist.) (24" or less),
"Storm Sewer Cleaning" (Exist.) (>24"to 48"),
"Storm Sewer Cleaning" (Exist.) (>48")

At the semi-final inspection, the contractor shall temporarily plug the system(s) at structures, outfall, or as otherwise directed by the Engineer, and pump the water out of the system to below one third of the diameter of the pipe (from the invert), or as otherwise directed by the Engineer. The Contractor and the Engineer shall visually inspect the system(s) for leaks, deficiencies, and lamping problems. If leaks, deficiencies and/or lamping problems are discovered in the new pipe system(s), the contractor shall make corrective repairs, as required, in accordance with Article 5-10.2 of the General Provisions of this specification, at no additional cost to the Department. If leaks, deficiencies and/or lamping problems are discovered in the existing pipe system(s), the contractor shall notify the Engineer, and the Engineer shall determine if the Contractor should provide a cost proposal for the Work required to make the corrective repairs, in accordance with Article 5-10.2.

23. STORM SEWER SYSTEM PIPE PLUGS: The Contractor shall prepare, and submit to the Engineer for approval, a plan/sequence of the plug locations for pumping down the storm system(s) satisfactory to the Engineer. Upon completion of the storm pumping sequences, the Contractor shall notify the Engineer 24 hours prior to removing any of the temporary plugs for the Engineer to visually confirm/verify the removal of the pipe plug. Cost for the Plans and coordination of all the Work required for the above shall be incidental to the cost of the storm sewer items of Work.

24. FINAL PIPE INSPECTION: Upon completion of placement of concrete pavement or the placement of structural asphalt, but prior to placement of asphalt friction course, dewater installed pipe and provide the Engineer with a video recording schedule allowing for pipe videoing and reports to be completed and submitted to the Department and reviewed prior to continuation of pavement.
For pipe 48 inches or less in diameter, provide the Engineer a video DVD and report using low barrel distortion video Equipment with laser profile technology, non-contact video micrometer and associated software meeting the requirements outlined in Section 430-4.8.

The cost of the above Work shall be incidental to the related pay item for the pipe.

25. VIDEO REPORT: Provide a video report in accordance with Section 430-4.8.1. The cost of the above Work shall be incidental to the related pay item for the pipe.

26. LIMITS OF CONSTRUCTION: The Contractor shall confine the construction of the Roadway within the limits of the right of way unless the right of entry to adjacent properties has been acquired by the Department at the time of construction.

27. RESTORATION AGREEMENTS: Contractor is hereby notified that any construction performed within Restoration Agreement (RA) areas shall be restored to a condition similar or equal to that existing before such construction occurred, at no expense to the Department. Prior to disturbing the Restoration Agreement area, the Contractor shall stake the RA limits, locate/document all improvements within the area, and submit this information to the Department, prior to starting construction. Upon completion of the construction, the Engineer, together with the Contractor, shall conduct an inspection of the area to confirm that all improvements have been

appropriately restored. Payment for all Work to complete the item shall be incidental to the cost of the Project.

28. GRAVITY WALL CONSTRUCTION: Unless otherwise directed, gravity walls are to be constructed from "inside" the Right of Way (no encroachment on private property). Any construction methods necessary to satisfy this requirement shall be incidental to the cost of the gravity wall.

29. IRRIGATION SYSTEM WITHIN RESTORATION AGREEMENT AREAS: The Contractor, prior to start of construction, shall obtain as-built information of the irrigation system(s) within restoration agreement areas, and catalogue related component information (manufacturer/part number/etc.) required to ensure appropriate replacement of the system and components. The as-built information shall be submitted to the Department, Construction Coordination Division, and upon completion of the construction, the Contractor shall restore the irrigation system and components to its original or better condition. Payment for all Work to complete the item shall be incidental to the cost of the Project.

30. COLOR TREATED AND STAMPED CONCRETE (5" THICK): The Contractor's attention is directed to the pay item for "Color Treated and Stamped Concrete", S.Y. This item which is proposed to be constructed in lieu of concrete traffic separators, as directed by the Engineer, consists of cast-in-place concrete (5") between Type "F" Curb and Gutter, having the surface colored with a color hardener (equivalent to the products supplied by Wm. D. Adeimy, Inc., 561/832-6305), and with the surface textured or imprinted with a pattern (as directed by the Engineer), and then sealed with a color seal. The Contractor is responsible for assuring the curbing is in no way discolored, damaged, marked, etc. by the application of the above.

Color Hardener:

- Apply the dry hardener when the bleed water disappears and the floating process will not disrupt the level of the surface.
- Normally apply the dry hardener evenly in two separate hakes, using two-thirds of the material for the first shake.
- Use wood floats or a power-troweling machine equipped with float blades to work the dry hardener completely and thoroughly into the surface after each application.
- After floating the final shakes, hand or machine trowel the surface to a flat, uniform finish and apply the specified texture. Apply antiquing release before imprinting with mat-type tools.
- Coverage requirements may vary according to intended use and color. 90lbs. per 100sq.ft. is considered the median range.

Curing:

- Use colored concrete sealer in the matching color to cure interior color hardened floors and exterior flat Work, that will receive regular maintenance and re-coating.
- Newly placed concrete should receive one thin finish coat of colored concrete sealer after placement and after the required curing time of 14-28 days has been reached. Before application of the finish coat, the moisture content of the concrete must be low enough so alkali and other salts do not become trapped beneath the coating, causing discoloration or clouding, thus the reason for the 14-28 day time frame.

The Work is to be performed on the job site by trained and experienced workers.

The pay item "Color Treated and Stamped Concrete", S.Y., includes all labor, Equipment, Materials, transportation, fuel and all other items incidental to or necessary for completing the Work.

The Contractor shall install a longitudinal 6" PVC (Schedule 80) pipe at stamped concrete areas, in accordance with the details for the "Irrigation Sleeves" (as detailed in the Special Provisions). This item shall be paid for under, "6" PVC Pipe (Schedule 80)", Lineal Feet, and shall include the cost of all labor, Materials, Equipment, fuel, transportation, and other items necessary to complete the Work.

31. ENGRAVING OF CURB FACE: The Contractor is hereby notified that the names of the roads shall be engraved on all quadrants of major intersections (two per quadrant), with four (4) inch high block letters, having a depth of one-half inch, and painted with a black finish. Locations shall be determined by the Engineer.

Samples of the engraving are available at the office of the Director, Construction Coordination Division, 2300 N. Jog Rd., Suite #3W-57, West Palm Beach, Florida, 33411-2745, Florida.

The cost for the pay item, "Engraving of Curb Face", EACH, shall include all labor, Equipment, Materials, transportation, fuel and all other items incidental to or necessary for completing the Work.

32. GUARDRAIL & SPECIAL SAFETY PIPE RAIL: At locations where sidewalks, walkways, bike paths or other media for bicycle and/or pedestrian traffic are within 4' of the back of the guardrail post, the contractor shall utilize "steel posts" and "special safety pipe rail" (2" diameter) as shown in FDOT INDEX 400.

Special note: Trinity Industries ET-plus system guardrails will not be allowed on Department Projects.

33. ADDITIONAL INSURED PARTIES: The Contractor performing the construction for Palm Beach County (County) shall be required to carry and furnish insurance coverage, in accordance with General Provision Section 7-13, "Insurance Required", naming County as additional insured on the Certificate of Insurance Form(s), which shall reference the Project Limits and the Project Number, and shall read: "Palm Beach County Board of County Commissioners, a Political Subdivision of the State of Florida, its Officers, Employees and Agents".

Where the limits of Work for this Department project impact the rights-of-way of other agencies (e.g., Florida Department of Transportation (FDOT); South Florida Water Management District (SFWMD); Lake Worth Drainage District (LWDD); and other agencies as applicable), said parties shall also be named as "ADDITIONAL INSURED", either on the same form or on separate forms.

The Contractor shall coordinate all Work within the rights-of-way and air rights-of-way, as they apply, through the Engineer. Also, the Contractor shall notify the County and the agencies, as required in the Contract Documents or within a reasonable time frame prior to the start of any Work within said Right-of-Way, to allow for appropriate accommodations by the agencies.

34. PERMIT COMPLETION CERTIFICATIONS: The Contractor is advised that this Contract includes completing and executing all Construction Completion/Construction Certifications as required by each permit included in the PER section of the Contract Documents.

The Contractor is responsible for retaining the services of a Professional Engineer, registered in the State of Florida and qualified in the field of the required Work, to inspect the Work related to Permit(s), and certify in accordance with the instructions of each permit.

The Contractor shall submit two (2) originals of the completed and executed form to the Department, along with the required "As-Built" information (to be obtained by the Contractor).

All costs associated with Permit Compliance Certifications, including obtaining and depicting "As-built" information are incidental to the Contract.

35. NATIONAL POLLUTANT DISCHARGE ELIMINATION SYSTEM (N.P.D.E.S) COMPLIANCE: This Contract requires compliance with the N.P.D.E.S. General Permit. The "Florida Department of Environmental Protection Generic Permit For Stormwater Discharge from Large and Small Construction Activities", dated May 2003, which contains the description and requirements of the permit, is available at the following URL:

http://www.dep.state.fl.us/water/stormwater/npdes/docs/cgp.pdf

The MSWORD format of the Stormwater Pollution Prevention Plan (SWPPP) template is available at the following URL:

http://www.dep.state.fl.us/water/stormwater/npdes/SWPPP.htm

Notice of Intent and Notice of Termination forms are available on DEP's URL:

http://dep.state.fl.us/water/stormwater/npdes/permits_forms.htm

The Contractor shall complete and submit the NOI and payment to DEP. If a SWPPP is not included in the Contract Plans, or the Contractor chooses to prepare his own SWPPP, the SWPPP template shall be utilized by the Contractor for developing the SWPPP for the project. Any SWPPP prepared by the Contractor shall be submitted to the Department at the Pre-Construction meeting for the project for approval by the Engineer.

Failure to sign any required documents or certification statements will be considered a default of the Contract. Any soil disturbing activities performed without the required signed documents or certification statements may be considered a violation of the DEP Generic Permit.

All costs associated with obtaining and complying with the provisions of this permit and to all federal, State and local storm water pollution prevention permits, rules, laws or ordinances, including the implementation of the S.W.P.P.P. for the project during construction are incidental to the Contract. Also included is the cost of all construction erosion and pollution control measures not covered under other specific pay items, the cost of performing and executing the joint inspection & maintenance reports (as shown in the SWPPP "Template"), and the execution of the Contractor Certification form of the Proposal pages. The Contractor Certification form must be signed and submitted with the Bid Proposal.

36. ADDITIONAL REPORTING

The Department requires Contractor to track during the Project, and report at the end of the Project, on the county of residence of Contractor's employees and its subcontractors' employees. Contractor agrees to prepare and provide the required report with its request for final payment.

THIS SPACE LEFT BLANK INTENTIONALLY

PALM BEACH COUNTY
CONTRACTOR'S FINAL REPORT
COUNTY OF RESIDENCE FOR EMPLOYEES

(to be submitted with Contractor's Application for Final Payment)

To: Palm Beach County Project Manager

From: Contractor Superintendent

Date:

Project Name:

Project Number:

In accordance with the Special Provisions of the Contract, Contractor reports the following:

Total number of employees of Contractor and subcontractors who worked for more than one day on the Project: _____

Number of employees of Contractor and subcontractors who reported their county of residence as Palm Beach County: _____

_____

Signed

40. NATIONAL POLLUTANT DISCHARGE ELIMINATION SYSTEM (N.P.D.E.S) COMPLIANCE (CONTINUED):

SITE DESCRIPTION

Project Name and Location:	**Annual Roadway Landscaping Contract** Palm Beach County, Florida
Palm Beach County Project No.:	**2020053**
Owner Name and Address:	Board of County Commissioners, Palm Beach County Roadway Production Division 2300 N. Jog Road West Palm Beach, FL 33411
Work Description:	**Landscaping, Irrigation, Earthwork**
Runoff Coefficient:	**TBD**
Site Area:	TBD
Site Map:	Location Map attached with SFWMD permit.

Sequence of Major Soil Disturbing Activities:

1. Earthwork
2. Irrigation
3. Landscaping

Name of Receiving Bodies: TBD

41. DYNAMIC LOAD TEST SUPPORT: Dynamic Load Test Support shall include contractor furnishing of Equipment and personnel necessary for attachment of leads, supply power source, man-basket, shelter, and any other services necessary to provide support for the testing (reference FDOT Specifications Section 455-5.13). The Department will secure test lab services, including Pile Driver Analyzer (PDA), required for dynamic measurements during the driving of the test piles. All costs for Dynamic Load Test Support shall be incidental to the cost of test pile.

42. CONSTRUCTION IMPACTS TO BUS OPERATIONS: Public Works and private development construction activities often impact Palm Tran bus operations and bus stops. Timely communication and coordination with Palm Tran and other affected transit agencies during preliminary project.

Planning is essential in order to prevent potential conflicts. Contractors should make every effort to schedule their Work to minimize impacts and the duration of impacts to transit operations and riders.

Contractors should provide Palm Tran with the name and telephone contact of their construction managers prior to the commencement of all construction projects affecting bus stops or impacting bus routes.

- Contact Palm Tran for coordination and review requirements (561 841-4246, 561 841-4223, or 561 841-4224).
- Maintenance of rider access to and from bus stops during construction is desirable. This issue should be discussed at the Pre-Construction Meeting.
- All Work shall conform to the requirements of the Americans with Disabilities Act (ADA), including provisions for temporary access to and from bus stops.
- If necessary, the contractor shall work with Palm Tran to establish an approved temporary bus stop location.
- Contractor shall notify Palm Tran through Palm Beach County Construction Coordination Division at least 10 Working Days (2 weeks) in advance of the start of construction, modification of construction effort with transit impacts, and construction completion, so that Palm Tran can advise its riders.
- Contractor may not remove any bus stop signs, transit shelters, transit benches, or other related transit infrastructure without prior Palm Tran authorization. Contractor may be asked to remove existing bus stop signage or install temporary and permanent bus stop signage. Typically, Palm Tran will make arrangements to remove all other transit infrastructure. If Palm Tran does not remove their facilities in a timely manner, these facilities may become part of the clearing and grubbing.
- Contractor is responsible for construction of an approved ADA accessible access to and from bus stop boarding and alighting areas, when called for in the Plans.
- The cost for the above is incidental to the project.

43. RECORD DRAWINGS (ROADWAY): The Contractor shall note that this Contract includes preparation of "Record Drawings". By definition, "Record Drawings" shall be the electronic information which reflects the as-built conditions of the project recorded at or about the time of the "substantial completion" inspection. The as-built information and permitting forms shall be

prepared and certified (i.e., signed and sealed) by a Professional Engineer or Land Surveyor licensed in the State of Florida, as required by the project.

The as-built information shall indicate (at a minimum) the following:

- All changes, additions or deletions to the original design documents.
- Centerline/baseline ties to section line(s) (including ties at P.C. & P.T.).
- Stations/elevations/offsets at P.C.'s, P.T.'s, P.I.'s, low points, high points, horizontal angle points.
- Stations/elevations/offsets at edge-of-pavement (E.O.P.), top-of- curb and back-of-sidewalk, at locations shown on the Plans, at a minimum.
- At non-curb inlets show state plane coordinates, station/offset/elevation to the top-center of the grate.
- At curb inlets show the state plane coordinates, station/offset/elevation at E.O.P.
- At special and slotted structures - show the elevation(s), dimensions, and the invert of the weir; the bleeders/orifices; and pipe inverts.
- At outfalls, show the state plane coordinates, station/offset/invert/diameter of pipe, structure type and dimensions.
- The diameter, invert, shape, and material type of connecting pipes between all structures.
- For Irrigation Sleeves - show the state plane coordinates, station/offset/elevation for all end caps, and the invert elevation at the end cap.
- At lakes obtain cross sections at 50 foot intervals, or as otherwise directed by the Engineer (Top of Bank, Top of Slope, etc.).
- At bridges, show the low member elevation/station/offset.
- At end bents, show station/offset/elevation at two corners to ensure proper offset location.
- For "Begin and End" Bridge, indicate the stations/offsets/elevations at the respective points.
- All existing and proposed trees, show state plane coordinates, station/offset to the approximate center of the tree.
- All existing and proposed Irrigation wells and valve boxes, show state plane coordinates, station/offset to the top-center of the well and/or valve box.
- All existing and proposed pull boxes, show state plane coordinates, station/offset to the top-center of the box.
- All existing and proposed traffic control cabinets, show state plane coordinates, station/offset to the center of the box.

The above information shall be collected by survey, and the collected data shall be referenced on the Micro Station (.dgn) design file of the project (Micro Station (.dgn) is the only acceptable format). The electronic Micro Station (.dgn) files (and .pdf files of same) shall be submitted on three (3) CDs labeled with project information, one (1) set of black line Plans, and six (6) sets of signed & sealed black line Plans, boldly marked in large print **"RECORD DRAWINGS ROADWAY"**. PDF files shall be digitally or electronically signed and sealed in accordance with either F.A.C. 5J-17.062 or F.A.C. 61G15-23.

The above information shall be submitted to the Department (Director, Construction Coordination), for approval, prior to scheduling a final inspection.

The cost of the location survey, compilation/reproduction/conversion of electronic files, Plans, and other information necessary to satisfy the above, shall be incidental to the cost of the items of Work.

The Contractor shall review all permits for this project and the general/special conditions which may call for "Record-Drawings" for a specific agency. The Contractor is responsible to satisfy the permit requirements in accordance with that agency's policy, with the understanding that the cost for said "Record-Drawings", shall be paid in accordance with PER-1.

44. RECORD DRAWINGS and DOCUMENTS (BRIDGE):

The Contractor is advised that bridge structures are subject to FDOT load rating requirements and shall take all necessary steps to comply with these requirements. See FDOT Load Rating Manual (Topic No. 850-010-035) at https://www.fdot.gov/maintenance/loadrating.shtm.

RECORD DRAWINGS (BRIDGE):
The Contractor shall note that this Contract includes preparation of "Record Drawings". By definition, "Record Drawings" shall be the electronic information which reflects the as-built conditions of the project recorded at or about the time of the "substantial completion" inspection. The as-built information and permitting forms shall be prepared and certified (i.e., signed and sealed) by a Professional Engineer or Land Surveyor licensed in the State of Florida, as required by the project.

The as-built information shall indicate (at a minimum) the following:

- All changes, additions or deletions to the original design documents (including shop drawings).
- Centerline/baseline ties to section line(s) (including ties at P.C. & P.T.).
- Stations/elevations/offsets at P.C.'s, P.T.'s, P.I.'s, low points, high points, horizontal angle points.
- Stations/elevations/offsets at edge-of-pavement (E.O.P.), top-of- curb and back-of-sidewalk, at locations shown on the Plans, at a minimum.
- At non-curb inlets show station/offset/elevation to the top-center of the grate.
- At curb inlets show the station/offset/elevation at E.O.P.
- At bridges, show the low member elevation/station/offset.
- At end bents, show station/offset/elevation at two corners to ensure proper offset location.
- For "Begin and End" Bridge, indicate the stations/offsets/elevations at the respective points.

The above information shall be collected by survey, and the collected data shall be referenced on the Micro Station (.dgn) design file of the project (Micro Station (.dgn) is the only acceptable format). The electronic Micro Station (.dgn) files (and .pdf files of same) shall be submitted on three (3) CDs labeled with project information, one (1) set of black line Plans, and six (6) sets of signed & sealed black line Plans, boldly marked in large print **"RECORD DRAWINGS BRIDGE"**.

The above information shall be submitted to the Department (Director, Construction Coordination), for approval, prior to scheduling a final inspection.

The cost of the location survey, compilation/reproduction/conversion of electronic files, Plans, and other information necessary to satisfy the above, shall be incidental to the cost of the items of Work.

The Contractor shall review all permits for this project and the general/special conditions which may call for "Record-Drawings" for a specific agency. The Contractor is responsible to satisfy the permit requirements in accordance with that agency's policy, with the understanding that the cost for said "Record-Drawings", shall be paid in accordance with PER-1.

DOCUMENTS (BRIDGE):

- **Schedule of Anticipated dates of Inspections:**
  In-Service Inspections and or Pre-Acceptance Inspection (before any new lanes are opened to traffic). The Schedule should be received within 60 days of the preconstruction meeting. The Department must receive a two week advance confirmation notice prior to the In-Service Inspections and or Pre-Acceptance Inspection.
- **As-Built Load Rating**
  If the bridge is built per plan, the As-built load rating is simply a signed and sealed load rating FDOT summary sheet stating that there was no change during construction that would affect the load rating.
- **Pile Driving Records**
- **In-Service Inspection**
  The Structures Maintenance In-Service Inspection is conducted prior to any new lanes opening to public traffic. Note that for phased construction, there will be multiple in-service inspections required. The intent of this inspection is to verify the bridge is safe for public traffic in accordance with **FHWA** instructions **Q303-7**

45. LOCAL GOVERNMENT PROMPT PAYMENT ACT: In accordance with the Local Government Prompt Payment Act (F.S. 218.70, *et seq*), the Contractor is hereby notified of the following:

1. The Contractor will be notified at the Pre Construction Meeting the manner in which pay requests are to be prepared and directed to the Department. For a pay request to be deemed acceptable, the Contractor must provide the following:

   Pay Request No. 1
   - OEBO Schedule 3
   - Certification of Compliance with the Living Wage Ordinance

   Pay Request No. 2 and all others following, but not including the Final
   - OEBO Schedule 3
   - OEBO Schedule 4

- Disbursement of Previous Periodic Payments to Subcontractors
- Certification of Compliance with the Living Wage Ordinance

Final Pay Request

- OEBO Schedule 3
- OEBO Schedule 4
- Disbursement of Previous Periodic Payments to Subcontractors
- Disbursement of Final Payment to Subcontractors
- Form 1
- Form 2 including Bonding Affidavit
- Record of Construction Materials Affidavit
- Certification of Compliance with the Living Wage Ordinance
- Equal Business Opportunity (EBO) Final Participation Form
- Release and Concurrence of Final Payment Amount
- Form of Guarantee

2. A single list of items (Punch List) required to render the Work complete, satisfactory, and acceptable will be prepared by the Department. The Punch List shall be developed as a result of a joint inspection of the Work, conducted within 30 Calendar Days after reaching substantial completion, by the Contractor, together with the Department, with all unsatisfactory Work listed on the Punch List. The Punch List shall be provided to the Contractor within 5 Working Days of the joint inspection.

3. If the pay request and support data are not approved, the Contractor is required to submit new, revised or missing information according to the Department's instructions. Otherwise, the Contractor shall prepare and submit to Department an invoice in accordance with the estimate, as approved. In the event any dispute with respect to any payment or pay request cannot be resolved between the Contractor and the Department, Contractor shall, in accordance with the alternative dispute resolution requirements of Florida Statute section 218.76, demand in writing a meeting with and review by the County Engineer. In place of the County Engineer, the Deputy County Engineer may conduct the meeting and review. Such meeting and review shall occur within forty-five (45) Working Days of receipt by the Department of Contractor's written demand. The County Engineer, or Deputy County Engineer, shall issue a written decision on the dispute within fifteen (15) Working Days of such meeting. This decision shall be deemed the Department's final decision for the purposes of the Local Government Prompt Payment Act.

   Contractor must remit undisputed payment due for labor, services, or materials furnished by subcontractors and suppliers hired by the Contractor, within 10 days after the Contractor's receipt of payment from the Department, pursuant to Section 218.70 et seq., Florida Statutes. Contractor shall provide subcontractors and suppliers hired by Contractor with a written notice of disputed invoice within 5 business days after receipt of invoice which clearly states the reasons for the disputed invoice.

46. BASIS OF PAYMENT: Payment will be based on field measured quantities. No additional payment will be made for any Work which exceeds that called for in the Contract Documents.

47. CLEARING AND GRUBBING: The Contractor is required to notify the owner of any fences, irrigation systems, etc., that lie within the Right-of-Way, to give them the courtesy to remove them before construction. The Contractor shall replace fences, shrubbery, sod, etc., within the limits of construction and outside the Right-of-Way to their original condition, unless otherwise directed by the Engineer. Cost of which is incidental to construction. All Work associated with the re-establishment and/or temporary relocation of mailboxes shall be done in accordance with Index no. 532 of the current F.D.O.T. Roadway and Traffic Design Standards. Specific attention should be directed to coordination with the local postmaster. Payment for all Work required to establish each mailbox in the temporary and/or final location, including any material required to construct the mailbox to current standards, shall be included in the cost of clearing and grubbing, unless the Contract includes a pay item for the Work.

48. SUBSOIL EXCAVATION: Where muck, rock, clay, or other material within the limits of the Roadway is unsuitable in its original position, excavate such material to the cross-sections shown in the Plans or indicated by the Engineer, and backfill with suitable material. Shape backfill material to the required cross-sections. Where the removal of plastic soils below the finished earthwork grade is required, meet a construction tolerance, from the lines shown in the Plans as the removal limits, of ±0.2 feet in depth and ±6 inches (each side) in width. Final payment for the Subsoil Excavation, C.Y. will be based on initial and final cross sections, and signed & sealed quantity computations which are to be prepared by a Professional Land Surveyor or Professional Engineer licensed in the State of Florida, and submitted to the Department for acceptance. Initial cross sections shall be taken at 50 foot intervals, or as otherwise directed by the Engineer. When the excavation of unsuitable material is completed to satisfy field conditions, and verified as such by the Engineer, final cross sections shall be taken at 50 foot intervals, or as otherwise directed by the Engineer. The cross sections shall show elevations at the appropriate break points and shall be plotted. Quantity computations shall be prepared (using the Average End Area Method), and submitted to the Engineer for acceptance. The Contractor is advised that no compensation will be made for excavation below the depth required to satisfactorily remove the unsuitable material. The cost for the cross sections and computations shall be incidental to the pay item, Subsoil Excavation, C.Y. Subsoil Excavation, C.Y., shall include the cost of embankment to replace the excavated subsoil, labor, Materials, Equipment, fuel, transportation and other related Work to complete the pay item.

49. EMBANKMENT: The quantity will be at the plan quantity compacted in place. Where payment for embankment is not to be included in the payment for the excavation, and is to be paid for on a cubic yard basis for the item of Embankment, the plan quantities to be paid for will be calculated by the method of average end areas unless the Engineer determines that another method of calculation will provide a more accurate result. The measurement will include only material actually placed above the original ground line, within the lines and grades indicated in the Plans or directed by the Engineer. The length used in the computations will be the station-to-station length actually constructed. The original ground line used in the computations will be as determined prior to placing of embankment, and no allowance will be made for subsidence of material below the surface of the original ground. In no case will payment be made for material allowed to run out of the embankment on a flatter slope than indicated on the cross-section. The

Contractor shall make his own estimate on the volume of material actually required to obtain the compacted in-place pay section.

50. RESETTING FENCE: The quantities to be paid for under this item shall be the length in feet of reset fence including gates. The quantity of removed and reset fence determined, as provide above, shall be paid for at the Contract unit price per linear foot for removed and reset fence. The item includes the cost of removing and resetting any existing gates. The above price and payment shall be full compensation for all the Work specified in this Section, including furnishing all the required new hardware, additional posts and replacement of any material damaged by the Contractor.

51. PRICE/DELIVERY/ACCEPTANCE: Price quoted must be the price for new merchandise and free from defects. Any Bids containing modifying or "escalator" clauses will not be considered unless specifically requested in the Bid Specifications.

Deliveries of all items shall be made as soon as possible. **Deliveries resulting from this Bid are to be made during the normal working hours of the Department**. Time is of the essence and the Bidder's delivery date must be specified and adhered to. Should the Bidder, to whom the order or Contract is awarded, fail to deliver on or before his/her stated date, the Department reserves the right to **CANCEL** the order or Contract and make the purchase elsewhere. The successful Bidder(s) shall be responsible for making any and all claims against carriers for missing or damaged items.

Delivered items will not be considered "accepted" until authorized agent for the Department has, by inspection or test of such items, determined that they fully comply with Specifications.

The Board of County Commissioners may return, for full credit, any item(s) received which fail to meet the Department's performance standards.

52. E-VERIFY: The Contractor shall utilize the U.S. Department of Homeland Security's E-Verify system to verify the employment eligibility of all new employees hired by the Contractor during the term of the Contract and shall expressly require any subcontractors performing work or providing services pursuant to the Contract to likewise utilize the U.S. Department of Homeland Security's E-Verify system to verify the employment eligibility of all new employees hired by the subcontractor during the Contract term.

53. BOND WAIVER PROGRAM: A Bid Bond is not required for bids of less than $50,000 and will be waived for all other bids of less than $200,000 if the Bidder is going to participate in the Bond Waiver Program, provided that the Bidder complies with Palm Beach County Resolution R89-1178 and with Palm Beach County Policies and Procedures relative to the Bond Waiver Program (CW-F-016). For bids with values between $50,000 and $200,000, the Bidder must complete an affidavit entitled "Intent to Participate in Bond Waiver Program Bid Affidavit" or provide a Bid Bond. Failure to provide a Bid Bond or complete and return this affidavit with the Bid shall result in rejection of the Bid. For all contracts less than $200,000, the Public Construction Bond will be waived as well, provided that the Bidder complies with Palm Beach County Resolution R89-1178 and with Palm Beach County Policies and Procedures relative to the Bond

Waiver Program (CW-F-016). Copies of the requirements of the Bond Waiver Program (CW-F-016) can be found at the following website: http://discover.pbcgov.org/PDF/PPM/Index.pdf. The forms for the Bond Waiver Program can be found at http://discover.pbcgov.org/engineering/roadwayproduction/Pages/Bid-Documents.aspx.

THIS SPACE LEFT BLANK INTENTIONALLY

SPECIAL PROVISIONS

INTENT TO PARTICIPATE IN BOND WAIVER PROGRAM
BID AFFIDAVIT

Project Number: _____

If the Contractor intends on participating in the Bond Waiver Program, this form must be completed in its entirety and returned with the Contractor's Bid.

FAILTURE TO COMPLETE THIS FORM OR INCLUDE A BID BOND FOR PROJECTS WITH VALUES BETWEEN $50,000 AND $200,000, SHALL RESULT IN REJECTION OF THE BID.

_____ (Bidder) hereby states that it intends on participating in the Bond Waiver Program as described in Palm Beach County Resolution R89-1178 and Palm Beach County Policies and Procedures.

_____
Contractor Signature

_____
Title

STATE OF _____

COUNTY OF _____

The foregoing instrument was acknowledged before me by means of ☐ physical presence or ☐ online notarization, this _____ day of _____, 20_____, by _____ *(name)* as _____ *(title)* for _____ _____ *(firm)*, on behalf of the *(choose one)* corporation / company / partnership, who is ☐ personally known to me or has produced _____ (type of identification) as identification.

_____
Notary Signature

Notary Public, State of _____

(Stamp/Seal)

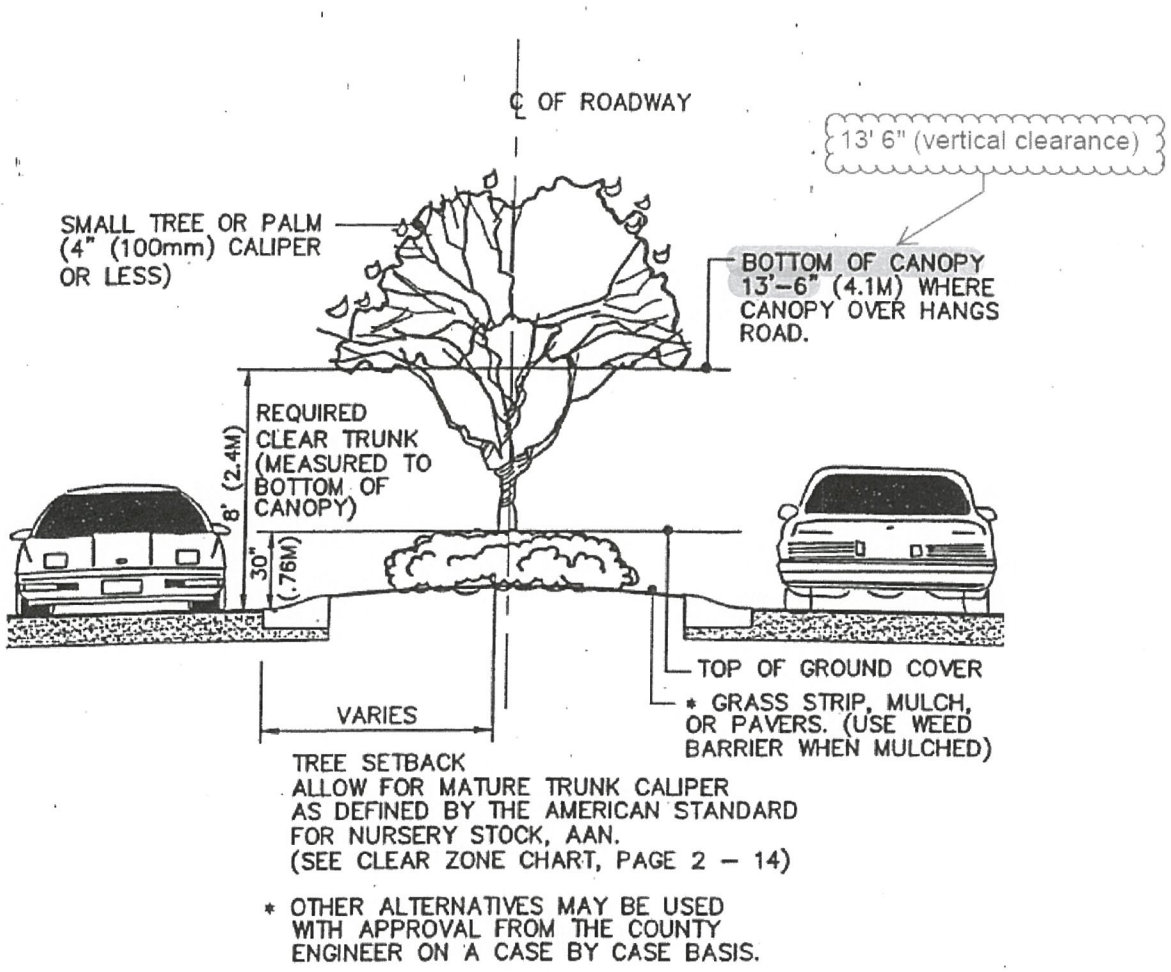
_____
Print Notary Name

Commission Number

My Commission Expires_____

54. PLANTING STANDARDS

Mountable Curb and Uncurbed Median within Safe Sight Distance Triangle

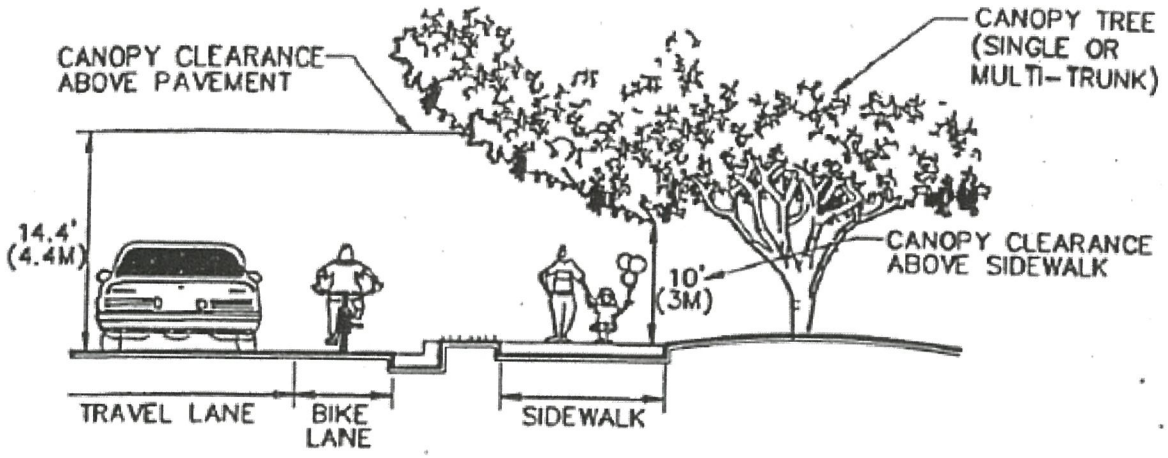


TYPICAL SECTION

Small trees and palms shall be used within mountable and uncurbed medians. Tree and palms that are 4" in caliper or less measured at 6" above grade shall be considered small and may be used within the medians. The plant material within these areas shall be maintained so that they do not overhang into the travel lane. Any portion of the tree that overhangs the travel lanes shall be maintained with a 13'-6" vertical clearance. Otherwise, no encroachment will be permitted.

Canopy Clearance for Sidewalks and Bicycle Paths
Sidewalks should be maintained free of all growth. The bottom limbs of trees overhanging the sidewalk should be at least 10' above the sidewalk.

When tree limbs extend over separate bike paths, they should be at least 10' above the bike bath. When they extend over designated or undesignated bike lanes within the roadway, they must be at least 14.4' above the pavement (see below).



BIKE LANE SECTION

Roadside Clear Zone

The roadside clear zone is that area outside the traveled way, available for use by errant vehicles. Vehicles frequently leave the traveled way during avoidance maneuvers and due to loss of control by the drive or due to the collisions with other vehicles. The primary function of the clear zone is to allow space and time for the driver to regain control of vehicle and avoid or reduce the consequences of collision with roadside objects. This are4a also serves as an emergency refuge location for disabled vehicles.

The width of the clear zone should be as wide as it is practicable. The minimum permitted widths are given in the following table. These are minimum values only and should be increased whenever feasible.

In rural areas it is desirable and frequently economically feasible, to substantially increase the width of the clear zone. Where traffic volumes and speeds are high, the width should be increased. The clear zone on the outside of horizontal curves should be increased due to the high probability of vehicles leaving the Roadway at a high angle.

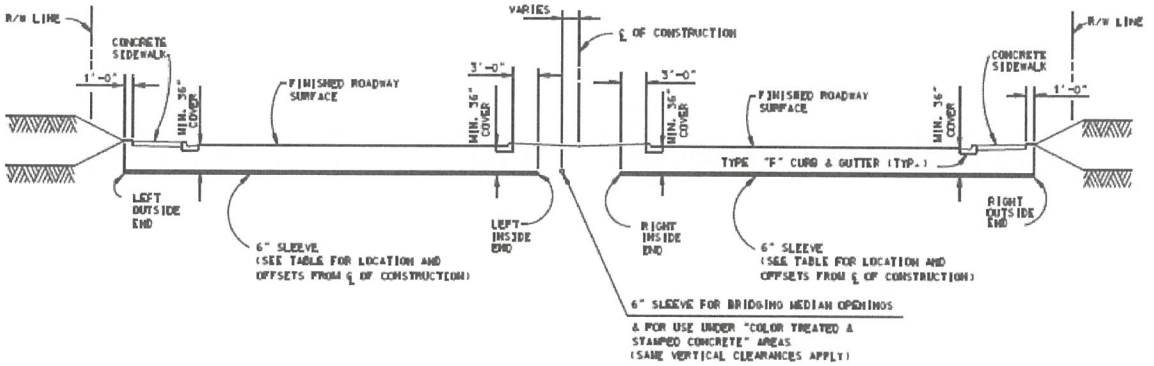
THIS SPACE LEFT BLANK INTENTIONALLY

Minimum Width of Clear Zone

Type of Facility	Design Speed or Posted Speed (whichever is greater)						
	30 mph	35 mph	40 mph	45 mph	50 mph	55 mph	60 mph and above
	Minimum Clear Zone						
Rural	6' Local 10' Collector 14' Arterials	6' Local 10' Collector 14' Arterials	10' Collectors 14' Arterials	14' Arterials and Collectors ADT <1500 18' Arterials and Collectors ADT ≥1500	14' Arterials and Collectors ADT <1500 18' Arterials and Collectors ADT ≥1500	18' Arterials and Collectors ADT <1500 24' Arterials and Collectors ADT ≥1500	18' Arterials and Collectors ADT <1500 30' Arterials and Collectors ADT ≥1500
Urban	4'	4'		4'	N/A	N/A	N/A

Urban Facilities clear zone is measured from face of curb (6" type D or F)
Rural Facilities Use rural for urban facilities when no curb and gutter is present. Measured from edge of through travel lane on rural section.
Curb and gutter not to be used on facilities with design speed > 45 mph.
ADT in the table above refers to design year ADT.

THIS SPACE LEFT BLANK INTENTIONALLY



DETAIL FOR INSTALLATION OF MEDIAN IRRIGATION SLEEVES FOR THOROUGHFARE ROADS

(NOT TO SCALE)

AS-BUILT CERTIFICATION FORM

P.B.C. # _____

STATION	OFFSETS FROM ℄ OF CONSTRUCTION FOR ENDS OF 6" SLEEVES						REMARKS
	LEFT OUTSIDE END	LEFT INSIDE END	LENGTH OF PIPE ON LEFT SIDE	RIGHT INSIDE END	RIGHT OUTSIDE END	LENGTH OF PIPE ON RIGHT SIDE	
SUB-TOTAL							
TOTAL PROJECT #							

GENERAL NOTES

1. ALL SLEEVES (LEFT & RIGHT) SHALL BE INSTALLED AT SAME ℄ STATION. UNLESS OTHERWISE DIRECTED BY THE ENGINEER.
2. ALL SLEEVE ENDS ARE TO BE CAPPED.
3. ALL SLEEVE ENDS ARE TO BE MARKED AT THE TIME OF INSTALLATION WITH A 2"x4" WOODEN BOARD STANDING VERTICALLY FROM SLEEVE END TO 1' ABOVE FINISHED GROUND. EXPOSED WOODEN MARKER IS TO BE PAINTED ORANGE FOR FUTURE LOCATION PURPOSES.
4. SLEEVES ARE TO BE 6" P.V.C. SCHEDULE 80 PIPE BASED UPON F.D.O.T. SPECIFICATION SECTION 948. OR 6" BLACK HOT-DIPPED GALVANIZED STEEL PIPE WITH A MINIMUM WALL THICKNESS OF 0.280" BASED UPON A.S.T.M. STANDARD A53-84A.
5. BACKFILLING ABOVE SLEEVES SHALL BE PERFORMED ACCORDING TO F.D.O.T. SPECIFICATION SECTION 125-8.3 (BACKFILLING REQUIREMENTS FOR PIPE CULVERTS AND STORM SEWERS).
6. ALL STATIONS ARE APPROXIMATE. CONTRACTOR MUST CONTACT COUNTY ENGINEER PRIOR TO INSTALLATION TO DETERMINE EXACT LOCATION IN THE FIELD.
7. EACH SLEEVE END IS TO BE MARKED AT THE TIME OF INSTALLATION WITH A 3M ELECTRONIC MARKER (MODEL 1252) AND GPS STATE PLANE COORDINATES SHALL BE RECORDED.

PALM BEACH COUNTY · ENGINEERING AND PUBLIC WORKS · ROADWAY PRODUCTION

REVISED JANUARY 2008

PALM BEACH COUNTY ENGINEERING & PUBLIC WORKS DEPARTMENT
PALM BEACH COUNTY, FLORIDA
LIQUID ASPHALT CALCULATIONS

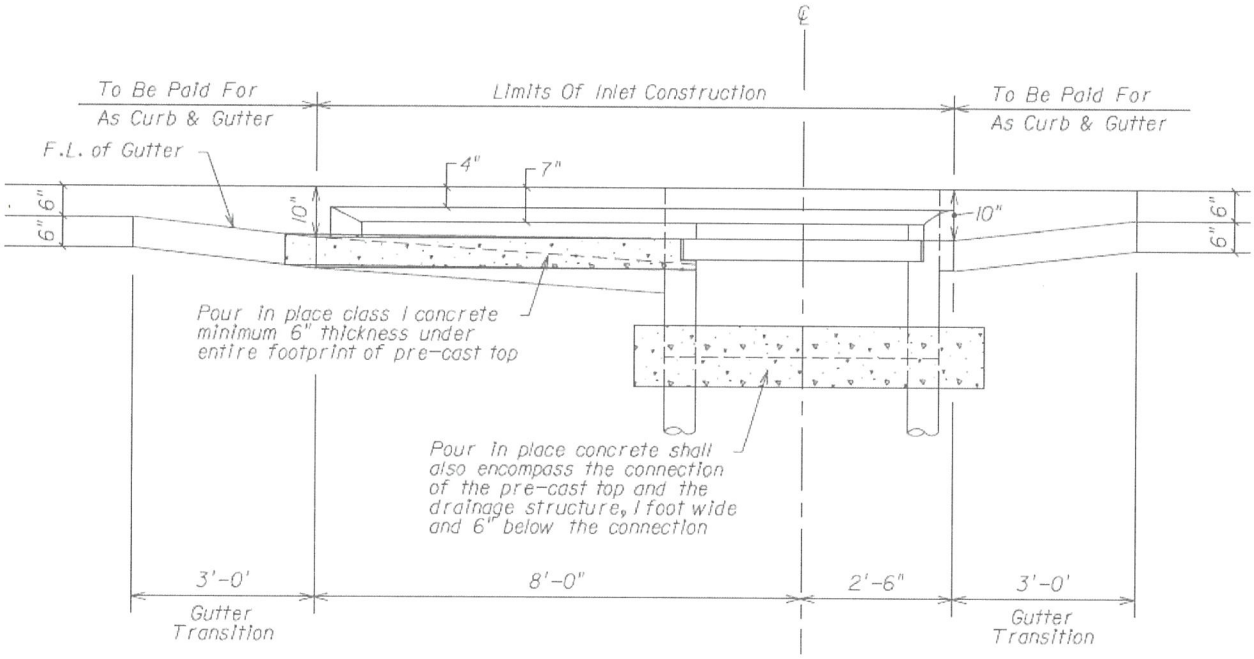
Estimate No: _____ Page No. _____ Status of: _____
Contractor: _____
Contract for: _____
Bid Index: _____

Month/Year	Tons	Pounds	*L.A. %	Weight of L.A.	Gal.	0.95% or 1.05% of Bid Index	Monthly Index	Difference (+ or -)	Change in Cost	Cumm.	Comm. Total
A	B	C	D	E	F	G	H	I	J	K	L
		2000.00	*								0.00
		2000.00	*								0.00
		2000.00	*								0.00
		2000.00	*								0.00
		2000.00	*								0.00
		2000.00	*								0.00
		2000.00	*								0.00
		2000.00	*								0.00
		2000.00	*								0.00
		2000.00	*								0.00
		2000.00	*								0.00
		2000.00	*								0.00

LIQUID ASPHALT:
All bids for materials covered by the Proposal are to include required liquid bituminous materials and tack coats. No additional payment will be made for the liquid bituminous materials in the prime and tack coats. The Department will adjust the bid unit price for bituminous material, excluding cutback and emulsified asphalt, to reflect increases or decreases in the Asphalt Price Index (API) of bituminous material from that in effect during the month in which bids were received.
A price adjustment may be made upon request by either party, when escalation or de-escalation of the cost of the liquid bituminous materials used in the Asphaltic Concrete Mixes included in this proposal exceed 5% (See General Provision Section 9-2.1.2 "Bituminous Material").

* NOTE: The L.A. % to be applied for Friction Courses is 6.5%.
For all other asphalt mixes the L.A. % shall be 6.25%.
This form shall be submitted to the Engineer on a monthly basis.

Rev 1/2008



INLET TYPE 5

(Curb Inlet Top Type 6 Symmetrical with Left Half)

SUPPLEMENTAL CONCRETE AT DRAINAGE STRUCTURE TOP DETAIL

REQUESTS FOR INFORMATION (RFI'S)

RESPONSE TO CONTRACTOR RFI'S:

February 7, 2020
A Cut Above Landscape & Maintenance, Inc.
Eneyda Gomez
561-795-1995
eneyda@acalandscape.net

QUESTIONS AND OR COMMENTS:

1. The following items are not on the Bid Form but are mentioned in the Special Provisions, please clarify.
    - Gravity Wall Construction (Section 28, Page SP-11)
    - Color Treated and Stamped Concrete (Section 30, Page SP-11)
    - Engraving of Curb Face (Section 31, Page SP-11)
    - Guardrail & Special Safety Pipe Rail (Section 32, Page SP-12)
    - Subsoil Excavation (Section 48, Page SP-22)

2. On General Provisions Section 5-1.1 (Page GP-11) it states that "the contractor will be furnished five (5) copies of the Plans and Specifications at the Pre-Construction Meeting". Will this apply to this bid?

RESPONSES:

1. The Special Provisions and General Provisions contain standard contract provisions that are included in all contracts. Specific projects/contracts may not have all of these items included in the Work. Only items listed on the proposal form (P-pages) are included in this contract. However, additional items can be added at a later date through a change order.

2. As this is an annual contract, there will be no pre-construction meeting for the annual contract. However, there may be pre-construction meetings for the individual work orders. Up to five copies of the annual contract can be provided at the Contractor's request.

REQUESTS FOR INFORMATION (RFI'S)

RESPONSE TO CONTRACTOR RFI'S:

February 21, 2020
Superior Landscaping & Lawn Service, Inc.
Jesenia Otero
305-634-0717
jotero@superiorlandscaping.com

QUESTIONS AND OR COMMENTS:

1. What are the liquidated damages amount for the contractor who is awarded and does not perform? Is it a percentage or a flat rate?

RESPONSES:

1. See sections 8-10.1 through 8-10.7 of the Standard Specifications included by reference on page SS-1.

TECHNICAL SPECIAL PROVISIONS

LANDSCAPE INSTALLATION SPECIFICATIONS

LI - PART I - GENERAL

LI - 1.01 Scope of Work:

Provide all labor, materials, equipment and incidentals required to prepare site to final grade, install landscape trees, plants, sod and irrigation systems in accordance with the plans and as specified. These specifications are inclusive of a required guarantee, replacements, clean-up, maintenance services, and maintenance of traffic, all of which shall be included in the unit bid price for each tree. These specifications apply to all projects (work orders) throughout Palm Beach County assigned to the Contractor under the County's Annual Roadway Landscaping Contract.

LI - 1.02 Related Work Specified Elsewhere:

Section SM - Site Maintenance: these provisions shall apply to all work in SECTION LI - LANDSCAPE INSTALLATION as appropriate.

LI - 1.03 General Requirements:

A. Refer to the Florida Dept. of Transportation Standard Specifications for Road and Bridge Construction, 2017, as the general operating specification document, however Section 580 Landscaping is deleted and replaced with these specifications for LANDSCAPE INSTALLATION (SECTION LI) and the SITE MAINTENANCE (SECTION SM). Maintenance of traffic requirements are described in the Contract Documents.

B. Comply with all applicable federal, state, county and local codes, ordinances and regulations governing this work.

C. The work shall be coordinated with other trades to prevent conflicts.

D. All planting shall be performed by personnel familiar with planting and maintenance of traffic procedures and under the supervision of a qualified landscape foreman, who shall be on-site at all times during the work.

E. Finish Grade: The Contractor shall verify with the County that final grade has been achieved and shall perform fine grading if so directed by the County. The Contractor is responsible for any trees or palms that are planted prior to achieving final grade.

F. Prior to commencing work, the Contractor shall visit the site and ascertain all site conditions, including utilities, structures, slopes, access and available work space to preclude any misunderstandings and to ensure a trouble-free installation. It shall be the Contractor's responsibility to avoid conflicts with existing underground and overhead utilities and structures. The Contractor shall examine available utility plans and notify the County of any conflicts and needed adjustments. The Contractor shall notify all utilities servicing the work area at least 48-hours prior to any excavation so that underground utilities may be located. The Contractor has the responsibility to contact **Sunshine State One-Call of Florida, Inc. at 1-800-432-770** to schedule marking locations of the utilities which subscribe to their service. The Contractor shall also call (561) 641-3429 for Palm Beach County Water Utility Locations and call (561) 233-3900 for Palm Beach County Traffic Control Utility Locations. In general, the location of trees will be adjusted rather than adjusting the location of utilities or structures. Refer to ITEM LI - 3.02 for related requirements.

G. Prior to the preparation of planting holes, the Contractor shall ascertain the on-site location of, and take necessary precautions to avoid damage to, all above-ground and underground utilities, underdrain trenches, electrical cables, conduits, utility lines, oil tanks, supply lines, pavement, curbing, traffic control devices, pedestrian signals, building structures, or waterproofing. The Contractor shall properly maintain and protect all such improvements. The Contractor shall be responsible for the cost to repair all damages to such improvements caused by his operations.

H. The use of mechanical equipment within five (5') feet of any building or structure to move plants or materials shall be approved by the County prior to its use.

LI - 1.04 Applicable Documents:

A. Plant nomenclature shall conform to the names given in "The New Royal Horticultural Society Dictionary of Gardening", which is the source cited by the current September, 2015 edition of Florida Grades and Standards for Nursery Plants, by the Florida Dept. of Agriculture and Consumer Services, Division of Plant Industry (henceforth called Florida Grades and Standards).

1. Names of varieties not included therein shall conform generally with names accepted in the nursery trade.

2. Substitutions will be permitted only upon submission of proof that any specified plant is not obtainable or suitable for the location as specified on the plan and upon written authorization of the County.

B. The Contractor is obligated to be familiar with and understand the following documents in order to comply with the requirements therein to properly perform the work contemplated in this contract:

1. All plans and documents within the bid package set.

2. The Florida Grades and Standards, (September, 2015 5th edition).

3. The Florida Dept. of Transportation Standard Specifications for Road and Bridge Construction, (2017 edition – as general operating specification document, excluding Section 580, Landscaping).

4. The Florida Dept. of Transportation, Roadway, and Traffic Design Standards, (January, 2017 edition).

5. The Palm Beach County Streetscape Standards Manual, (current edition).

6. The Manual of Uniform Traffic Control Devices for Streets and Highways, by the Federal Highway Administration,(current edition).

7. The State of Florida Manual on Traffic Control and Safe Practices, (current edition).

8. The Manual of Uniform Minimum Standards for Design, Construction, and Maintenance of Streets and Highways, by F.D.O.T. (current edition).

9. NCHRP Report 672, Roundabouts: An Informational Guide, (TRB, 2010)

LI - 1.05 Quality Control:

A. Substitution of materials and products specified herein, including those meeting "or accepted equal" clauses, shall not be permitted without written authorization from the County.

B. Plants shall have a habit of growth that is normal for the species and shall be sound, healthy, vigorous and free from insect pests, fungi plant diseases and injuries. No

sod with obvious chinch bug or mole cricket damage will be accepted. Any sod roots that appear to be diseased or the detected presence of grubs or other insects within the soil base will result in the sod being rejected.

C. Trees (other than palms) shall be heavily branched and shall have a dominant leader and no crossing branches.

D. All single-trunked palms shall have straight vertical trunks, not re-curved trunks, unless otherwise specifically directed in writing by the County.

E. Turf grasses to be used are St. Augustine "Floratam" and/or Bahia "Argentine". The sod must be obtained from a sod farm that has been inspected and certified by the Florida Dept. of Agricultural and Consumer Services, Division of Plant Industry, as free of burrowing nematodes. The sod must exhibit a dark green color and be free of weeds and foreign matter. It must have a leaf blade density of at least 90% and be free of any diseased or insect-damaged leaf tissue. The soil base of the sod must be a minimum of 3/4" thick and a maximum of 2" thick and contain a healthy root system as indicated by turgid feeder roots that are white in color.

F. Plant material shall be Florida Grade No. 1 or better as outlined under the current edition of Florida Grades and Standards.

1. All plants not listed in Florida Grades and Standards, shall conform to a Florida Grade No. 1 as to: (1) health and vitality; (2) condition of foliage; (3) root system; (4) freedom from pest or mechanical damage; (5) heavily branched and densely foliated according to the accepted normal shape of the species

2. Undersizing plant materials or substituting one species or cultivar for another are contract violations, but have no bearing on plant grading. Undersizing or substituting species or cultivars may be permitted only if authorized by the County in writing.

3. Verification of specified grades are to be determined at the time of delivery (even for trees inspected, accepted, and tagged by the Contractor with the County at respective nurseries). Grades determined at the time of delivery inspection or during the course of conducting a regrading inspection shall be based on the growth characteristics and condition of the plant at the time of grading. The grade shall not be based on any future or predicted growth potential of the plant. Each tree shall be maintained by the Contractor to

Florida Grade No. 1 standards until the date of written Final Acceptance by the County for that tree. The County is the final authority to determine if a tree does or does not meet Florida Grade No. 1 standards, including health and vigor of the tree.

4. If at any time during plant installations, the County believes that any trees are not of the specified grade, the County may, at their discretion, request a regrading inspection by the Division of Plant Industry. Upon the findings provided thereby, the County may seek further remedy by requesting replacement of plant materials or other corrective actions, including, but not limited to, legal redress.

G. The County shall have the right, at any stage of the operations, to reject any and all work and materials, which, in the County's opinion, do not meet the requirements of these specifications or aesthetically do not comply with design intent. Trees that are scarred or damaged during delivery or off-loading will be rejected.

H. Plant materials, as proposed by the Contractor, are required to be inspected, accepted and tagged at the respective nurseries by the Contractor with the County prior to any delivery to the project site, unless waived by the County in writing. If such waiver is granted, the County will inspect and approve representative plant material samples at the project site or at the respective nurseries prior to delivery to the project site. Waivers will only apply to the specific projects (work orders) and species designated by the County. Certificates of Nursery Origin may be required for plant materials not tagged by the Contractor with the County.

LI - 1.06 Certificate of Inspection:

A. All shipments of plant material shall originate from state registered nurseries which have undergone regular inspections by the authorized State Agencies prior to delivery to the project site.

B. State inspection certificates certifying respective plant nurseries of origin shall accompany the bill of lading or invoices. Any certificates of inspection required by the state for specific species also will be provided additionally. Any required transportation documents are to be submitted with invoices as back-up.

C. Contractor shall furnish the County with copies of manufacturer's literature, labels, samples, certifications, Material Safety Data Sheets, and laboratory analytical data for fertilizers, mulch, planting soil backfill mix, chemicals, staking/guying

materials and other products as appropriate, prior to use or application on any project.

D. Monitor turf areas and remove all competing vegetation, pest plants, and noxious weeds (as listed by the Florida Exotic Pest Plant Council, Category I "List of Invasive Species", Current Edition, http://www.fleppc.org). Remove such vegetation regularly by manual, mechanical, or chemical control means, as necessary. When selecting herbicides, pay particular attention to ensure use of chemicals that will not harm desired turf or wildflower species.

LI - 1.07 Measurements:

A. The minimum acceptable size of all plants measured after pruning, with branches in normal positions, shall conform to the measurements as shown on landscape plans and conform to the Florida Grades and Standards. Deviations from these measurements must be approved in writing by the County.

B. The caliper (diameter) of tree trunks is measured six (6") inches above ground level for trees with calipers up to and including four (4") inches in caliper, and twelve (12") inches above the ground for larger trees.

C. The caliper (diameter) of palm tree trunks is to be taken at the widest portion of trunk measured between 1' and 3' above the soil line.

LI - 1.08 Shipment and Delivery:

A. Contractor shall notify the County, a minimum of 48-hours in advance (excluding weekends and holidays), of all plant material deliveries. Contractor shall be responsible for delivery, storage, and security of all materials specified.

B. Plant materials shall be protected from sun-scalding and weather and adequately packed to prevent breakage and drying during transit and storage.

C. The County will exercise its option to inspect, select and assist the Contractor with the tagging of plant materials at the nursery proposed by the Contractor unless waived as in ITEM LI - 1.05 H.

D. Tamper-resistant identification tags supplied by the Contractor and placed on all trees and palms selected for installation, shall show no evidence of tampering upon

inspection for Initial Acceptance (of installation). These tags shall be removed following the County's Initial Acceptance (of installation).

E. Plants which do not meet specifications for quality or size herein stated, or plants that show improper handling, or arrive on-site in an unsatisfactory condition (as described in Florida Grades and Standards), will be rejected. Rejected plants shall immediately be removed, disposed of, and replaced with accepted nursery stock of like variety, size, and age. These plants shall be replaced without additional cost to the County.

F. Initial acceptance of plant material for initial payment will be given only after material is planted and after meeting requirements prescribed herein.

G. Plant materials may be reserved in advance by the County from nursery sources provided by the Contractor for predetermined amounts of time prior to shipment and delivery. The reserve period will be designated by the County department issuing the work order and will begin upon the issue date of the work order. Designated time periods will be 1-90 days, 1-180 days, and 1-270 days. The County will compensate the Contractor a percent of the unit price for each unit of plant material reserved in advance of shipment and delivery. This percentage amount is as follows:

Reserve Period	Percent of Unit Price Paid for Reservation of Plant Material
1 - 90 Days	10%
1 - 180 Days	25%
1 - 270 Days	50%

All advance payments shall be applied to the balance owed to the Contractor by the County upon the completion of any applicable warranty periods. All post-installation guarantees, as specified in ITEM SM - 1.11, shall apply to all plants held in reserve by the Contractor with no period of reserve time serving as a replacement for any warranty periods specified within the current contract. The Contractor shall select and maintain all plant materials reserved by the County in a manner and condition designated in ITEM LI - 1.05. Reserved plant materials shall conform to the type and quality specification listed in ITEM LI - 2.02. The County may, at its discretion, reserve plant materials that are less than the caliper, height, spread, clear trunk or rootball size, as designated in the Bid Item description for each unit listed. However, all plant materials must meet the stated specifications prior to shipment and delivery by the Contractor, unless given a written waiver by

the County. The Contractor shall not accept reserve payment for any plant materials that it knowingly cannot provide at the end of the designated reserve period. The Contractor shall notify designated County representatives within 24 hours if plant materials reserved for any designated period become unavailable. The Contractor shall make available to the County like species of acceptable specifications if any reserved plant materials are sold to other parties or otherwise rendered substandard during the designated reserve period. In the event that like species of similar quality are not made available by the end of the designated reserve period, the Contractor shall issue a credit or refund any reserve payments for that quantity of plant materials, at the discretion of the County. The County shall forfeit any reserve payments made to the Contractor if the County elects to delay the scheduled shipment and delivery beyond the reserve period contracted for. The Contractor shall grant the County a reserve time extension, based on additional payment issued within ten (10) days of the end of the contracted reserve period, unless the Contractor can show that any reserved plant materials would exceed the specifications as listed in the Bid Item description for each unit of plant material during the extension of the reserve period.

LI - 1.09 Tree Transplanting and Root Pruning:

A. The Contractor shall provide tree transplanting services as requested by the County. This service is to be performed by the Contractor within a 30 day period of receipt of a work order. Trees transplanted within 90 days of original installation by the Contractor shall carry the balance of the warranty as specified in ITEM SM - 1.11. No warranties shall apply to trees installed more than 90 days prior to transplantation or trees installed by other parties.

B. Transplanted trees shall be watered for the balance of the warranty period or for a period of 30 days for non-warrantied trees. Watering procedures must adhere to the specifications designated in ITEM LI - 2.06 and SECTION SM - SITE MAINTENANCE.

C. Palm tree transplanting procedures include digging, loading, transporting, re-planting with approved backfill material and restaking. The original planting hole must be backfilled and sodded.

D. Hardwood tree transplanting procedures include root pruning of established trees, digging, loading, transporting, replanting with approved backfill material and restaking. The original planting hole must be backfilled and sodded.

E. Use machinery that is designed to root prune tree/palm roots with a clean cut. **Do not use machinery that will not tear or shred the root system.** Cut the root system in quarter sections to allow for new feeder roots to develop. If hand root pruning, use sharp cutting instruments to provide clean cuts (no Tearing or Shredding) to the existing root system. Allow a minimum of 18-24" of space to cleanly cut the roots and fill the root pruned area with proper backfill as specified in LI-Part Two-Products LI- Section 2.01- Subsection A – D (Planting Soil Backfill Mix). Reuse native clean fill mixed with topsoil to promote new root development.

F. Large Hardwoods trees exceeding 8" Cal. Shall be transported/moved by the following method.
To protect the integrity and health of the hardwood to be transplanted, a **Certified Arborist or Landscape Architect must be consulted "Prior to Relocation"** through the County designated representative to determine the best methodology to relocate the designated transplant material. I.E; "A large Live Oak could be relocated by drilling the trunk with a minimum of 1-1/2" wood drilling core bit to eliminate damage to the main cambium layer, inserting a 1" solid steel rod through the trunk to attach strapping material to and lifting the tree with no stress on the cambium layer.," or a 90" Tree Spade, or Crate method. **These are examples of recommended relocation methods but not inclusive of all methods to relocate material. This is written as a guideline only.**

LI - PART II - PRODUCTS

LI - 2.01 Planting Soil Backfill Mix:

A. All planting areas shall be backfilled with a mixture of prepared plant soil mix as shown below to be accepted by the County prior to use on each project site. Terrasorb AG (super-absorbent water retainer as manufactured by Industrial Services International, Inc.), or similar product accepted in writing by the County, shall be added to all non-irrigated planting soil backfill mixes at the rate specified by the manufacturer.

B. This work shall consist of removing surface debris and then excavating a planting hole and blending compost with the excavated soil to improve soil quality and plant growth. The Planting Soil Backfill Mix shall be created on the project site by uniformly mixing compost with the excavated soil of the planting hole at a 1:3 ratio (25% compost: 75% excavated soil). Backfill and firm the soil blend around the rootball within the planting hole, as described under Part III – Execution. This specification applies to all types of containerized and balled and burlapped plant material.

C. Compost shall be a stabilized mixture derived from organic wastes such as food and agricultural residues, animal manure, mixed solid waste and biosolids (treated sewage sludge) that meet all State Environmental Agency requirements. The product shall be well composted (mature compost, not green compost), free of viable weed seeds and nematodes and contain material of a generally humus nature capable of sustaining growth of vegetation, with no materials toxic to plant growth.

Compost shall have the following properties:

Parameters	Range
pH	5.5 – 8.0
Moisture content	35% - 55%
C:N ratio	15 – 30:1
Organic matter	> 50%
Particle size	< 1 inch
Soluble salts	< 4.0 mmhos (dS)
Bulk density	< 1000 lbs/cuyd
Foreign matter	< 1% by weight

D. This specification covers the properties of **AllGro™** as distributed by: **AllGro™**, 4 Liberty Lane West, Hampton, NH 03842, telephone (800) 662-2440. The Contractor shall utilize **AllGro™** compost, or County-accepted equal, as directed above.

LI - 2.02 Plant Material:

A. The words "Plant Materials" or "Plants" or "Trees" refer to and include trees and palms. "Plant Materials" shall also refer to accent plants, ground covers and woody ornamentals. When the words "palms" or "palm trees" are utilized, no reference to other tree types is intended. When the words "trees (excluding palms)" are utilized, no other reference to palm trees is intended.

B. Plant species shall conform to those species and cultivars indicated on the plans and in the specifications.

C. Plants shall be sound, healthy, vigorous, free from plant diseases, insect pests or their eggs and shall have healthy normal growth and root systems. Tree trunks shall have the specified caliper, straight with no fresh cuts, fissures, scrapes, or scars, and shall have the specified clear trunk height, overall height, spread, and rootball size, as applicable. Container grown plant materials shall be "Florida #1" as described in Florida Grades and Standards Trees, Palms, Shrubs, Groundcovers and Vines.

D. The species and varieties furnished by the Contractor shall include those listed below and/or substitutions mutually agreed upon by the Contractor and the County. The basis to be used for comparison of plants to be substituted in the respective categories shall be plant descriptions and wholesale prices as described in Betrock Information Systems' PlantFinder.

E. Trees are required to be one of the following:

1. Container Grown:

a. Plastic containers: Trees grown in plastic or other rigid containers shall be well established and in the container for at least 60 days, and not root-bound. Minimum container size guidelines will follow those established by Florida Grades and Standards.

b. Fabric containers: Minimum rootball size will follow the guidelines established in Florida Grades and Standards. Trees grown in fabric bags should be properly root-pruned and hardened-off in the nursery following harvesting for 45-90 days.

c. All slash pines and wax myrtles are required to be container-grown for entire lives before planting on project sites. Any Slash Pines or Wax Myrtles specified larger than 6-8' O.A. can be B&B, if the material has been Root-pruned" and "Harden Off" a minimum of 45-90 days.

2. Field Grown: Shall have the appropriate root ball size based on the tree's trunk diameter (caliper) and/or height as established by the Florida Grades and Standards. Rootball depth on balled and burlapped (B&B) stock (excluding palms) shall be at least 2/3 of the rootball diameter shown. Field grown trees should be properly root-pruned and hardened-off in the nursery for a period of 45-90 days, and will be inspected by the County for new root growth.

a. Field grown balled and burlapped (B&B) trees are usually specified on the unit bid price plant list, however upon County approval, well established non-root bound container plants may be substituted for B&B material, when all other requirements, specifications, and unit bid prices of B&B trees are adhered to.

b. Natural fabric burlap is to be utilized. Synthetic woven plastic fabrics are prohibited. Wire Baskets can be used when County provides written approval. The top 1/3rd of the wire basket must be removed when planting occurs to enhance new root stimulation.

F. Collected plants shall not be used unless specifically called for in the specifications or accepted in writing by the County. The type, size, and availability of specific species will be the basis of selection of any collected plants.

G. All plants for this project are to be secured from state registered nurseries within the south and central Florida areas (as defined by Betrock Information Systems' PlantFinder geographic regions) unless authorized in writing by the County.

H. Accent plants, ground covers and woody ornamentals listed below is a general representation of requiested material; Not all usable accent, ground covers or woody ornamentals have been listed.

ACCENT PLANTS (1 gal. containers)
Including these species, or comparable:

Common Name	Botanical Name
Super Blue Liriope	*Liriope muscari*
Lantana (Various Colors)	*Lantana camara*
Muhly Grass	*Muhlenbergia capillaris*
Fakahatchee Grass	*Tripsacum dactyloides*
Asiatic Jasmine	*Trachelospermum asiaticum*
Juniper Parsonii	*Juniperus chinensis*

ACCENT PLANTS (3 gal. containers)
Including these species, or comparable:

Common Name	Botanical Name
Bird-of-Paradise	*Strelitzia reginae*
Muhly Grass	Muhlenbergia capillaris
Bougainvillea Hybrid (includes dwarf varieties)	*Bougainvillea sp.*
Coontie	*Zamia pumila*
Cardboard Palm	*Zamia maritima*
Saw Palmetto	*Serenoa repens*
Crinum lily	*Crinum Americana*
Giant False Agave	*Furcraea foetida.*
Dwarf Yaupon Holly (Schillings Dwarf)	*Ilex vomitoria*
Dwarf Fakahatchee Grass	*Tripsacum floridanum*
Fakahatchee Grass	*Tripsacum dactyloides*
Pringles	*Podocarpus sp.*
Wax Jasmine	*Jasmine volubile*
Wax Myrtle	*Myrica cerifera*
Wild Coffee	*Psychotria nervosa*
Green Island Ficus	*Ficus microcarpa*

GROUNDCOVERS (1 gal. containers)
Including these species, or comparable:

Common Name	Botanical Name
Blue Daze	*Evolvulus glomerata*

Crown of Thorns (includes dwarf varieties)	*Euphorbia milii*
Dune Sunflower	*Helianthus debilis*
Lantana (includes dwarf varieties)	*Lantana sp.*
Super Blue Liriope (Min. 4 Bibs)	*Liriope muscari*
Mexican Heather	*Cuphea hyssopifolia*
Sea Oxeye Daisy	*Borrichia arborescens*
Cord grass	Spartina Bakeri
Muhly Grass	*Muhlenbergia capillaris*

WOODY ORNAMENTALS (3 gal., containers)
Including these species, or comparable:

Common Name	Botanical Name
Bougainvillea Hybrid (includes dwarf varieties)	*Bougainvillea sp.*
Red Tip Cocoplum (includes green)	*Chrysobalanus icaco*
Cocoplum (Horizontal)	*Chrysobalanus icaco*
Carissa (includes dwarf varieties)	*Carissa sps*
Eugenia	*Eugenia sp.*
Dwarf Oleander	*Nerium oleander*
Dwarf Schefflera (includes various varieties)	*Schefflera arboricola*
Dwarf Yaupon Holly (Schillings Dwarf)	*Ilex vomitoria*
Fiddlewood	*Citharexylum fruiticosum*
Firebush (includes dwarf varieties)	*Hamelia patens*
Green Island Ficus (includes various varieties)	*Ficus microcarpa*
Jatropha (includes dwarf varieties)	*Jatropha hastata*
Juniper (includes various varieties)	*Juniperus sp.*
Cord Grass	*Spartina Bakeri*
Philodendron 'Xanadu'	*Philodendron sp.*
Pittosporum (includes various varieties)	*Pittosporum sp.*
Sea Grape	*Coccoloba uvifera*
Silver Buttonwood	*Conocarpus erectus sericeus*
Green Buttonwood	*Conocarpus erectus*
Simpson Stopper	*Myrcianthes fragrans*
Stoppers (includes Red & Spanish)	*Eugenia rhombea*
Viburnum (includes 'Awabuki')	*Viburnum sp.*
Wax Myrtle	*Myrica cerifera*
Yellow Thryallis	*Galphemia gracilis*
Bahama Dwarf Coffee	*Psychotria ligustrifolia*
Copper Leaf (includes various varieties)	*Acalypha wilkesiana*
Saw palmetto	Serenoa repans
Silver Saw palmetto	*Serenoa repans*
White Indigo Berry	*Randia aculeate*
Panama Rose	*Rondeletia leucophylla*
Pringles	*Podocarpus sp.*
Podocarpus "maki"	*Podocarpus macrophyllus*
Wild Coffee	*Psychotria nervosa*
Plumbago	*Plumbago auriculata*

WOODY ORNAMENTALS (7 gal., containers)
Including these species, or comparable:

Common Name	Botanical Name
Bougainvillea Hybrid (includes dwarf varieties)	*Bougainvillea sp.*
Giant False Agave	Furcraea foetida
Red Tip Cocoplum (includes green)	*Chrysobalanus icaco*
Eugenia	*Eugenia sp.*
Dwarf Oleander	*Nerium oleander*
Dwarf Schefflera (includes various varieties)	*Schefflera arboricola*
Fiddlewood	*Citharexylum fruiticosum*
Firebush (includes dwarf varieties)	*Hamelia patens*
Jatropha (includes dwarf varieties)	*Jatropha hastata*
Sea Grape	*Coccoloba uvifera*
Silver Buttonwood	*Conocarpus erectus sericeus*
Green Buttonwood	*Conocarpus erectus*
Simpson Stopper	*Myrcianthes fragrans*
Spanish Stopper	*Eugenia rhombea*
White Stopper	*Eugenia axillaris*
Red Stopper	*Eugenia rhombea*
Viburnum (includes 'Awabuki')	*Viburnum sp.*
Wax Myrtle	*Myrica cerifera*
Copper Leaf (includes various varieties)	*Acalypha wilkesiana*
Saw palmetto	Serenoa repans
Silver Saw palmetto	*Serenoa repans*
Podocarpus "maki"	*Podocarpus macrophyllus*
Wild Coffee	*Psychotria nervosa*

LI - 2.03 Quantities:

A. The quantities shown in the leader call-outs in the plans govern the required installed quantities. The Plant List summarizing quantities is provided as a reference only. The Contractor is responsible for his own take-off. Discrepancies must be brought to the County's attention, in writing, at the time of ordering plant materials.

B. The County reserves the right to adjust the number and locations of the designated types and species of plants to be used at any of the locations shown. The County shall make payment based on the actual quantities installed as approved in writing by the County.

LI - 2.04 Fertilizer for Plantings:

A. Provide commercial grade granular fertilizer uniform in composition, dry and in a free-flowing condition for application by suitable equipment, delivered in

unopened bags or containers, each fully labeled and complying with Florida State fertilizer laws.

B. Provide a complete fertilizer with proper ratio of nitrogen (N), phosphorus (P), and potassium (K) for the specie, including micronutrient trace elements of iron, manganese, zinc, copper, and boron. Provide acid-based, slow-release (sulfur coated) formulas with at least 50% slow-release of nitrogen and potassium.

C. For non-flowering trees, use 13-3-13 high sulfur, iron, and potash; and for flowering trees, use 13-3-13 high sulfur, iron, potash, magnesium, and manganese – both to be acid based, slow-release nitrogen (sulfur coated) to include minor elements (or accepted equal).

D. For palm trees use a 'palm special type' 13-3-13 to include minor elements, very high sulfur, manganese, magnesium, and iron; 50% slow-release nitrogen and potassium; and acid-based (sulfur coated) or accepted equal.

E. For non-flowering trees, use 13-3-13 high sulfur, iron, and potash; and for flowering trees, use 13-3-13 high sulfur, iron, potash, magnesium, and manganese – both to be acid based, slow-release nitrogen (sulfur coated) to include minor elements (or accepted equal). For accent plants, ground covers and woody ornamentals, use 13-3-13 that includes micro nutrients, 25% sulfur coated area, 50% slow release nitrogen, or accepted equal.

LI - 2.05 Top Mulch:

A. Mulch shall be recycled, not harvested wood, and made entirely from the wood and bark of the Melaleuca quinquenervia tree, eucalyptus tree, cypress blend by-product **(Prue Cypress shall NOT be used on State Roads)**, or mixed hardwoods. The mulch shall be shredded, cleaned, sized, and aged (heated) to destroy weed seeds, pathogens, and insects. It shall not contain more than 10% (by volume) bark. Shredded pieces of mulch shall not be larger than ¾" diameter and 1-1/2" in length. Mulch shall be free of weeds, seeds (including Melaleuca spp. seeds), soil, and any other organic or inorganic material.

B. Prior to its delivery, mulch shall have been inspected and certified by the Florida Dept. of Agriculture and Consumer Services, Division of Plant Industry, as free of burrowing nematodes. All proof of delivery shall bear official State of Florida stamp of inspection and certification (Grade AA, A or B). Deliver in bags or bulk by the cubic yard.

C. All material specified shall be processed specifically for use as mulch around trees and plant beds. The use of construction wood or wooden pallets (which do not decompose and/or may harbor pests), the use of fresh-wood mulch (which deprives surrounding plants of nitrogen), or the use of color dyed mulches, is prohibited.

LI - 2.06 Water:

Contractor shall provide water, labor, and equipment (including a self-canceling nozzle with a diffuser) necessary to distribute water as required for all installed materials using hand-watering methods. Existing or proposed irrigation systems will not be relied upon to provide water for newly planted materials. Use water free of elements toxic to plant and/or animal life. Refer to SECTION SM – SITE MAINTENANCE for detailed watering specifications.

LI - 2.07 Guying and Staking Material:

A. Support stakes shall be structurally sound, #2 grade, yellow pine round lodge pole free of knot holes, splinters, checks, or cracks, and sized and arranged as per details on plan.
Braces, Battens, and anchor stakes pads shall be structurally sound, #2 grade, yellow pine; free of knot holes, splinters, checks, or cracks, and sized and arranged as per details on plan.

1. Minimum nominal size of vertical stakes: 2" x 2" round lodge pole with the length adjusted as appropriate for proper staking relative to tree height or as per specifications/details.

2. Minimum nominal size of angled braces: 2" x 2" round lodge pole with the length adjusted as appropriate for proper staking relative to tree height as per specifications/details.

3. Anchor stake pads for braces to be 2"x 4" and a minimum of 12" long.

4. Battens for braces to be 2"x 4" and a minimum of 12" long.

B. Banding at brace battens for heavy trunked palms and specified trees shall be minimum 1" steel manufactured specifically for banding – minimum two (2) bands per palm. Wrap palm trunks (excluding Washington palms) with minimum of five (5) layers of heavy nursery grade, burlap cloth before installing battens.

C. For small trees using vertical support stakes, trunks shall be secured to such stakes with guying material that is wide, smooth, sturdy and flexible plastic or rubber such as Wellington tape or accepted equal. Guying tape to connect trunk to support stake at 90°. This flexible tape shall replace the traditional guy wire and hose method in order to avoid damage to trunk and branches.

D. Unless the appropriate painting bid item is included in the applicable work order, then all vertical stakes, angled braces, anchor stake pads, and/or battens shall be provided and installed as natural, unpainted wood. When the appropriate painting bid item number is included in the applicable work order, then the wood for all vertical stakes, angled braces, anchor stake pads, and/or battens shall be painted Forest Green using Behr exterior grade flat latex paint, or accepted equal, such that there is complete coverage of all surfaces. This painting shall be done prior to delivery of the wood staking and bracing material to the planting site. The only painting allowed at the planting site will be minor touch-up by brush only for saw cuts, abrasions, nicks, etc. There shall be no spray painting at the planting site. Care shall be exercised to avoid wet paint coming into contact with the tree/palm, Wellington tape, banding, or burlap. To the extent that painted vertical stakes, angled braces, anchor stake pads, and/or battens are proposed by the contractor for re-use, then in addition to meeting other specification requirements, they shall receive a fresh, complete coat of the above specified paint. This complete paint coverage shall be maintained in good condition until staking and bracing materials are removed from the planting site. The County reserves the right, at its discretion, for the County to require painting of staking and bracing material.

LI - 2.08 Root Barrier Material:

The Contractor shall provide and install rigid root barrier, DeepRoot UB 48-2 by Urban Landscape Products, or flexible fabric root barrier, Typar Biobarrier Root Control System as manufactured by Reemay, Inc., or accepted equal, as directed by the County or as indicated in the plans or as required by the permitting agencies. All safety precautions and installation procedures prescribed by the manufacturer shall be adhered to.

LI - PART III - EXECUTION

LI - 3.01 General:

A. The Contractor's work shall conform to accepted horticultural practices as used in the trade, unless specifically directed to the contrary by the contract documents or otherwise by the County.

B. Plants shall be protected upon arrival at the site by being thoroughly watered and properly maintained until planted. If a balled and burlapped (B&B) tree is not planted within 12-hours of delivery then the rootball shall be kept covered with a moist material to prevent drying of root growth tips until planting. Plants shall not

remain unplanted on-site for a period exceeding 24-hours. All sod must be installed within 72 hours of harvest from the source farm. Any sod which is not planted within 24 hours after cutting shall be stacked in an accepted manner and maintained in a properly moistened condition. Any sod left on the work site for more than 48 hours before installation will be rejected. All sod delivered to the work site will be contained on 48" X 48" wooden pallets and individual pieces be no smaller than 12" X 24".

C. The Contractor shall install and maintain all plants (through final acceptance) in accordance with the requirements of the project plans, bid documents/specifications, and applicable standards as listed under ITEM LI - 1.04 B.

LI - 3.02 Layout of Planting Holes:

A. The approximate location of some existing above-ground and underground utilities, structures, and other improvements are shown on the landscape plans for general information purposes only, and are not to be relied upon nor regarded as relieving the Contractor of responsibility for verifying exact field locations. All such improvements shall be investigated and verified in the field before starting work. Refer to ITEM LI - 1.03 F for other applicable requirements.

B. Should the Contractor encounter overhead or underground obstructions, median modifications, or other conditions which interfere with the specified locations for plantings, then the Contractor shall immediately notify the County and alternate planting locations or plan modifications will be selected and approved by the County. Trees which cannot be adjusted to accommodate such conditions and still adhere to clear sight spacing and clear zone requirements, will be eliminated.

C. Before digging of planting holes, the location and arrangement of the planting shall be marked by the Contractor. The Contractor shall notify the County a minimum of 48-hours in advance (excluding weekends and/or holidays). The County shall reserve the right to approve or reject all marked tree locations which shall conform to the requirements of the specifications, plans, and details unless otherwise addressed above.

LI - 3.03 Tree and Palm Installation:

A. All planting holes shall be excavated to size and depth specified herein and in accordance with the plans and details, and backfilled with the prepared Planting

Soil Backfill Mix as specified. The general planting procedures for all trees and palms, whether B&B or container grown, are similar except as noted below.

1. Container-grown trees and palms:

   a) Any container-grown (CG) plants which have become pot-bound or for which the top system is too large for the size of the container, shall be rejected.

   b) CG plants shall not be removed from the container until immediately before planting, and with all due care to prevent damage to the root system. At such time, all containers shall be cut and opened fully, in a manner that will not damage the root system.

   c) Trees in containers shall be carefully removed from the pots, cans, boxes, or other containers in a manner not to damage the roots or the rootball of soil formed by the container. Scraping the rootball on the sides and bottom to stimulate new root growth outside of the existing rootball should be performed prior to placement into the hole.

2. Balled and Burlapped Trees and Palms: Always move B&B plants (except heavy trunked palms) by the rootball only. Never use the trunk as a handle to pick up or move these plants. Care should be taken not to disturb the rootball, as this would severely damage the root system. Removal of all the burlap before planting is not necessary (if it is biodegradable fabric), although the top one-third (1/3) of the burlap shall be pulled back and cut off.

   If accepted for use under ITEM LI - 2.02 E.2.b, synthetic fabrics and wire baskets require special attention. Remove woven plastic fabrics and nylon twine completely after setting the plant in the hole since such nondegradable materials can girdle stems and roots as they expand through the material. However, this practice may not be feasible when moving large trees that have been sleeved in woven plastic materials before being placed in wire baskets. Slice the material through the wire basket and remove as much as possible to facilitate healthy root growth into the landscape soil. Once the tree is set in the planting hole, cut off $1/3^{rd}$ of the wire basket (that is not under the rootball) before backfilling.

3. Palms: Generally, procedures for planting balled and burlapped trees are suitable for palms. Palms shall be harvested with a rootball appropriate for the size and species of palm per the current Florida Grades and Standards. Foliage of all palm species except Sabal palmetto shall have the leaves tied with a biodegradable twine or burlap in a bundle around the bud. Fronds shall be untied by the time of the first quarterly inspection, unless the Contractor deems this to be detrimental to the palm. Complete leaf removal at the time of digging is required when planting Sabal palmetto, however, protection is required for heart frond and bud.

B. Circular planting holes with vertical sides shall be excavated for all trees. The diameter of planting holes for all trees shall be a minimum of 1.5 times larger than the rootball, per planting details, unless prevented by site obstructions or otherwise authorized in writing by the County. The depth of each planting hole shall be not less than 6" deeper than the height of the root ball or container as applicable and as per planting details.

C. Trees shall be set in planting holes on the specified prepared planting soil mix backfilled and brought to a height to permit the top of the rootball to be 2" above the surrounding finish grade at the completion of tree installation. This allows for some settling such that the final planting will be at the same depth the plants grew in the nursery. All trees shall be planted in a vertical position (plumb). All trees shall be handled by a padded nylon strap around the rootball for lifting purposes. Heavy-trunked palms may be lifted by the trunk provided the lifting strap is padded.

D. After placing the tree in the hole, the planting soil specified herein shall be slowly watered into place in layers and then firmly tamped to eliminate voids and air pockets and to ensure the backfill mixture is surrounding the rootball. Do not overly compact the soil to the point that it would be detrimental to the tree's health. All tamping shall be such that no trees will settle below their original growing height and the surrounding finish grade. Do not mound any soil over the roots.

E. For water retention, a minimum 6" high circular earthen berm (water ring) shall be formed around each tree such that the inside edge is located at the perimeter of the 6' wide planting hole.

F. All trees shall be thoroughly watered at the time of planting and kept adequately watered to ensure healthy Florida Grade No. 1 trees until time of final acceptance. No allowances will be made for tree or palm losses due to lack of adequate or proper

watering. Following initial acceptance the watering requirements of ITEM SM - 3.01 C shall be complied with.

G. Pruning shall be done on-site after planting (with due regard to the natural form and growth characteristics of each specie) to remove damaged limbs, to remove branches falling within the required clear site window, or as directed to improve overall plant appearance. Do not remove more than 15% of branches unless otherwise approved by the County in writing. Pruning methods shall follow standard horticultural practices using appropriate tools. Lopping, shearing, or topping of plant material will be grounds for rejection. Damaged, scarred, frayed, split, or skinned branches, limbs, or roots shall be pruned back to live wood, unless such damage, once so corrected, causes the tree to not meet the Florida Grade No. 1 standard, thus requiring tree replacement at no additional expense to the County. The central leader or bud shall be left intact unless severely damaged, in which case the tree will be replaced at no additional expense to the County. Remove any tree leader dowels and fasteners at the time of planting.

H. During the course of planting, excess and waste materials shall be removed by the end of each day's operations. When planting in an area has been completed, all debris from planting operations shall be removed and the area maintained in this finished state until final acceptance.

LI - 3.04 Fertilizing:

After planting tree, and prior to mulching the saucer, apply the recommended types and quantities of fertilizer appropriate for tree type according to the manufacturer's recommended rate specifications for new plantings. Apply fertilizer to the soil surface within the saucer area such that the granular fertilizer is mixed into the top 6" of soil around the edge of the root zone to the perimeter of the saucer berm and then watered in. Never allow fertilizer to touch the trunk of the tree to avoid burning by soluble salts. The use of tablet-type fertilizers such as ***"Agri-Form" or equal,*** to be placed in the planting hole prior to backfilling is also acceptable.

LI - 3.05 Mulching:

A. Prior to mulching the saucer area around each tree, remove all weeds, debris, and rocks (over 1" diameter), and then level the soil inside the saucer area surrounded by the circular berm without covering the top of the rootball.

B. A 3" layer of the specified biodegradable mulch shall be placed around all newly planted trees within earth berms surrounding saucers as defined in ITEM LI - 3.03

E and as shown on drawings and as specified. For individual plants, the mulch shall be spread to entirely cover the saucer area within the circular earth berm. Mulch shall be installed and maintained a minimum of 3" away from the trunks of all trees. Once in place, the mulch is to be watered until saturated.

C. This 3" mulch layer shall be maintained around each tree by the Contractor until its final acceptance in order to buffer soil temperature, reduce weed competition, conserve moisture, and increase soil nutrient availability.

LI - 3.06 Guying and Staking:

A. Guy and stake plant materials as specified and detailed to assure upright form, and in accordance with the following:

1. All trees with calipers smaller than 2-1/2" shall be staked with three (3) vertical stakes 120° apart. All trees with calipers between 2-1/2" and 4-1/2" inclusive shall use four (4) vertical stakes 90° apart. All stakes shall be 2"x 2" round lodge poles (with length sized relative to tree height such that stakes reach the height of major branching), set vertically at least two (2') feet into the ground, and at least 12" deep into undisturbed soil, and also set against the planting hole wall. The tree shall be centered within the stakes and held firmly in place by Wellington Tape (or accepted equal), and tied to the stake and the tree to prevent slippage. Tighten guying tape as necessary to ensure tree is secured in upright position.

2. Heavy-trunked palm trees and trees with calipers over 4-1/2" shall be braced with a minimum of four (4) 2"x 2" round lodge pole wood braces (with length sized relative to tree height), toe-nailed to 2"x 4"x12" minimum battens which are tightly secured at two points to the tree (with 1" steel banding), at a point at least 1/3 the clear trunk height. Provide one (1) batten per brace minimum with additional battens as needed to prevent banding from touching trunk. The braces shall be set at an angle between 45° and 60° to the ground. The trunk shall be padded with five (5) layers of burlap under the battens (except for Washington palms). Braces shall be approximately 90° apart and secured underground by 2"x 4"x12" minimum anchor stake pads hammered such that the deepest point is at least ten (10") inches below finish grade. Anchor stake pads shall not be exposed more than 2" above finished grade and be located no farther from the trunk than 6" from the outside toe of the earth berm around the saucer. The tree shall be centered within the braces.

B. All trees and palms shall be staked/braced on the same day as installed, and at no time shall any newly planted tree or palm remain without stakes for more than 24-hours after installation. The County may prohibit completion of any further work until all plant material has been appropriately staked.

C. The Contractor's guying and staking shall prevent trees from falling or being blown over (including by high winds). The Contractor shall re-straighten, replant, and restake all trees which lean or fall, and remove all trees which are damaged due to lack of proper guying and staking within two (2) working days of notification by the County. The County will determine if the fallen tree is damaged and is to be replaced. Such decision shall not be cause for additional expense to the County. Damaged trees shall be replaced and guyed or staked at no additional cost to the County within 30 calendar days of notification occurring at quarterly inspections.

D. All guys and stakes found to be too loose or damaged shall be repaired, tightened, and/or replaced within two (2) calendar days of notification by the County at no cost to the County. Guys and stakes shall be fully maintained to provide adequate structural support for the plant providing a neat, orderly and clean appearance. In cases of stake or brace damage caused by circumstances beyond those covered in the contract, such as vehicular accidents, the Contractor shall replace damaged stakes as specified by the County at bid price.

E. At the Contractor's discretion, all guying and staking material should be removed between the sixth (6th) and twelfth (12th) months following planting. At the Contractor's option, the anchor stake pads shall be either completely removed or driven into the ground such that the top of the stake is a minimum depth of 4" below grade. The Contractor shall notify the County fifteen (15) calendar days prior to removing guying and staking material. Removal of guying and staking materials shall not relieve the Contractor of any responsibilities of any warranted materials that may be in place.

LI - 3.07 Maintenance Prior to Initial Acceptance (at installation):

The Contractor's maintenance shall commence after each plant is planted and shall continue until Initial Acceptance (at installation), after which the formal minimum twelve (12) month maintenance/guarantee period shall commence. All maintenance operations before and after Initial Acceptance (at installation), shall be conducted consistent with Specification SECTION SM - SITE MAINTENANCE, which includes the guarantee and replacement requirements.

The Contractor shall maintain Florida Grade No. 1 quality until final acceptance. This plant maintenance shall include watering, pruning, weeding, cultivating, mulching, fertilizing, repairing or replacing stakes and guys, replacement of sick or dead plants, resetting plants to proper grades or upright position, restoration of the circular earth berm around the saucer, protection from insects and diseases, and all other care required for proper growth and health of the plants. **Proper protection of grassed areas shall be provided and any damages resulting from planting or maintenance operations shall be repaired promptly. If determined to be necessary by the County, disturbed areas shall be re-sodded to match existing turf at no additional cost to the County.**

LI - 3.08 Sod/Seed Installation And Maintenance Prior To Initial Acceptance

A. Elimination of Existing Turf Cover: **Certified applicator** must be licensed with the Florida Department of Agriculture and Consumer Services Department as list under Chapter 482 and 487 Florida Statutes. The certified applicator must provide State of Florida certification license to use restricted pesticides and herbicides. Existing vegetation cover is to be sprayed with a non-selective herbicide such as Glyphosate (Roundup) or equivalent. Herbicide is to be applied at a rate of active ingredient per gallon as specified on the product label. All spraying must be done with a low volume / low pressure sprayer and applied in a manner that will minimize drift and contact with adjacent plant materials or vehicular traffic. No spraying will be allowed under inclement weather conditions or wind in excess of 5 miles per hour. If an indicator dye is used in the spray mixture, it must not come into contact with the curb, gutter, traffic separator, or other concrete surfaces. The contractor is responsible for the removal of any stains caused by indicator dyes to these surfaces. The resulting dead vegetation is to be raked and removed.

B. Site Preparation: The site is to be prepared for sodding/seeding by the removal of debris such as sticks, rocks, roots and litter and the establishment of final grade. The locations of any existing irrigation systems are to be noted and all sprinkler heads flagged prior to the beginning of site preparation work. All holes and depressions are to be filled with backfill material that consist of 50% sand and 50% organic soil. Existing high spots in the median surface are to be leveled with the resulting grade facilitating the sheet-flow of water to the curb line. The soil perimeter at the inside curb line is to be excavated to a depth of 3/4" to 2" to allow the top of the base of the installed sod to be flush with the top of the curb. Any soil that is spilled outside of the median must be removed immediately.

C. Sod Installation: The sod is to be placed onto the prepared site in a pattern with staggered seams. All sodding must be done in contiguous areas with no large gaps between planting sites. Each piece of sod must be abutted against the one adjacent to it. All gaps between pieces of sod will be filled with partial sod pieces or topsoil. No gaps greater than ½" in the seams between the individual pieces of sod will be accepted. All parts of the sod must be must be in firm contact with the soil surface and any corners or edges that overlap other pieces of sod must be trimmed. The sod must be kept 2 feet away from the trunks of any existing trees with a symmetrical circle of bare ground being established around each tree. All sod shall be topdressed with screened soil mixture of 75% organic soil and 25% sand that is free of rocks sticks or other debris. After the topdressing operation is completed the sod is to be compacted with a 1,000 lbs. roller.

D. Site Cleanup: All wooden pallets, partial sod pieces, piles of backfill material, equipment and debris must be removed from the job site prior to the approval of substantial completion.

E. Irrigation: As soon as the area covered by a single zone of irrigation is sodded, the system should be activated and 0.10" to 0.25" of water applied to the sod. The newly planted sod is to be irrigated twice a day between the hours of 10:00 a.m. and 2:00 p.m., unless watering restrictions are in effect, for a period of 10 days or until a root system has been established as evidenced by substantial resistance when the sod is pulled away from the soil base.

F. Mowing: The contractor is responsible for an initial mowing of the sod with St. Augustine "Floratam" mowed at 3" and Bahia "Argentine" at 3.5" with a rotary type mower. If the mower is equipped with a side-delivery chute a deflection device should be used to eliminate the discharge of grass clippings into roadway lanes. All lawn discharge shall be raked and remove to eliminate dead grass hayfields.

LI - 3.09 Installation of Accent Plants, Ground Covers and Woody Ornamentals

A. Elimination of Existing Vegetative Cover: shall conform to the specifications contained within ITEM LI - 3.08 A.

B. Site Preparation of Planting Beds: The site is to be prepared for planting by the removal of debris such as sticks, rocks, roots and litter. The area to be planted shall be excavated to a depth of 18" and backfilled to a level of final grade with a soil mix comprised of 50% sand and 50% screened organic material such as screened

muck or compost, guaranteed as weed free. All excavated material is to be removed from the planting site or reused on site at the discretion of the county representative.

C. Installation of Plant Materials: Plant Materials shall be removed from containers prior to planting. Any rootballs containing regions of compacted or encircling roots shall be loosened by making vertical cuts to the root mass. Plant Materials shall be placed in holes that are slightly larger than the diameter of the rootball with the top of the rootball to be at or slightly above finished grade. **"Terrasorb AG",** or accepted equal, is to be added to the planting hole at a rate of ¼ oz. (1 tsp.) per gallon of rootball being installed, prior to backfilling. Backfilling shall be made with the specified soil mixture and shall be firmly compacted and watered-in, so that no air pockets remain.

D. Pre-emergent Herbicide Application and Mulching: The planted bed shall receive a pre-emergent granular herbicide application using "Ronstar G",or accepted equal, applied using methods and rates as specified on the manufacturer's label prior to the application of mulch. Applicator must be certified with the State of Florida FDACS. Mulch products used in bed plantings shall conform to the specifications as listed in ITEM LI - 2.05.

END OF SECTION

SITE MAINTENANCE SPECIFICATIONS

SM - PART I - GENERAL

SM - 1.01 Work Included:

A. The maintenance work consists of providing all labor, materials, equipment, permits, MOT, (M**aintenance of Traffic,)** and incidentals necessary to perform all required landscape maintenance commencing after each tree is planted and continuing until final acceptance at the end of the maintenance/guarantee period. These specifications apply to all projects (work orders) throughout Palm Beach County assigned to the Contractor under the County's Annual Roadway Landscaping Contract.

B. Grassed areas beyond the perimeter of the earth berm/watering saucers will be maintained by others.

SM - 1.02 Related Work Specified Elsewhere:

Section LI – Landscape Installation: These provisions shall apply to all work in Section SM –Site Maintenance as appropriate.

SM - 1.03 General Operating Specification:

Refer to the Florida Department of Transportation Standard Specifications for Road and Bridge Construction, (2017 edition), as the general operating specification document, however Section 580, Landscaping is deleted and replaced with the specifications for LANDSCAPE INSTALLATION (SECTION LI) and the SITE MAINTENANCE (SECTION SM) herein. Maintenance of traffic requirements are described in the Contract Documents.

SM - 1.04 Protection:

Protect all plants, wildlife, site furniture, paved surfaces, and buildings during maintenance procedures and the application of chemicals. When using equipment and chemicals, use according to manufacturer's directions and specifications. Repair or replace any items damaged through improper use of equipment or application of chemicals at no cost to the County. Contractor shall submit a copy of the certified applicable pest control licenses to the County and Material Safety Data Sheets for all products to be used for this work. Apply all chemicals after 48-hour's notice to the County and at a time and in such a manner that the public will not be in contact with nor have any real or imagined harm done to them by the application including, but not limited to, herbicides, insecticides, and fungicides.

SM - 1.05 Coordination of Maintenance Schedule:

Coordinate and schedule all work through the County. The Contractor shall submit a detailed maintenance schedule for the minimum twelve (12) month maintenance/guarantee period (divided into anticipated quarterly work plans) to the County for review within fifteen (15) calendar days of receipt of work order and before Initial Acceptance (of installation).

SM - 1.06 Quality of Operation:

Provide the maintenance services in a professional manner and keep all areas in a clean, orderly, and safe condition, satisfactory to the County at all times. Abide by all applicable federal, state, and local laws, ordinances, and regulations.

SM - 1.07 Personnel:

A. During all maintenance work hours, provide a qualified, English speaking and competent person in the work area who is authorized to supervise the maintenance operations and to represent and act for the Contractor.

B. All personnel shall be required to wear proper attire which, as a minimum, includes a standard shirt carrying company name and/or logo, present a good appearance and maintain a professional code of conduct.

C. All personnel shall take lunch breaks and use restroom facilities in appropriate areas off site.

SM - 1.08 Equipment:

A. All vehicles shall be maintained in good working order, affixed with a company name/logo, painted, with no visible rust and shall be parked on pavement in public areas only. Provide protection of paving from loading ramps. Use tarps/plywood to protect from oil.

B. Fueling mowers, edgers, etc. shall be completed prior to unloading equipment. Re-fueling, addition of oil, etc. shall be done with care and preferably over concrete. Any damage to asphalt or sod/planted areas from gas, oil or chemical spills shall be fully corrected by Contractor.

C. No storage or provision for storage shall be made on site for maintenance equipment or materials. Contractor shall be responsible for transporting equipment and materials to the site and off site in sealed or secured containers and vehicles as required, unless specifically allowed by written agreement.

SM - 1.09 Monthly Reports:

On or before the tenth day of each month, submit for approval a written report describing in detail all work performed by the Contractor under this contract during the past month (including replacement, mulching, fertilizing, pruning, and chemical application activities). The report shall also include: dates of site inspection(s) by qualified personnel as described in ITEM SM - 1.07; observations of the general health and vitality of all plantings; the locations and severity of any pests encountered; detailed descriptions of all chemical treatments applied; the general condition of areas maintained; descriptions of damage and vandalism; repair or

maintenance recommendations; and the proposed general and landscape maintenance program to be performed by the Contractor during the next month. County shall approve format of monthly reports, and require revised formats as necessary.

SM - 1.10 Routine Quarterly Inspections:

During the minimum twelve (12) month maintenance period, the Contractor will be required to make maintenance inspections with the County on a quarterly basis for weeks number 13, 26, and 39 from the date of Initial Acceptance (at installation) at a time scheduled by the County. Problems identified during these inspections and corrective actions to be taken (with time frames) will be listed by the Contractor and be incorporated into an amended version of the upcoming quarter's work plan, unless otherwise indicated by the County.

SM - 1.11 Guarantee, Replacement, and Final Inspections:

A. Guarantee: All work shall be guaranteed during the minimum twelve (12) month maintenance/guarantee period during which all plants are to be maintained to meet Florida Grade No. 1 as per Florida Grades and Standards for Nursery Plants, by the Florida Dept. of Agriculture and Consumer Services (henceforth referred to as Florida Grades and Standards). All trees shall be alive, healthy, and in satisfactory growth throughout the guarantee period.

B. Replacements: The County will be the authority to determine which "Replacement Category" described below applies to each tree and what, if any, action is to be taken.

1. If, at any time during the minimum twelve (12) month maintenance/guarantee period, the County identifies plant material that are substandard, unhealthy, dead, damaged or otherwise in unsatisfactory condition, then such plant material shall be removed and replaced/staked by the Contractor as per the following at no additional cost to the County.

    a. Remove such plant material within fifteen (15) calendar days of written notification by the County, and fill planting holes immediately with soil to finish grade level. This notification may occur at any time in addition to quarterly inspections.
    b. Replace such plant material within thirty (30) calendar days after the written notification occurring at quarterly inspections.

c. The County reserves the right to remove any unhealthy, substandard, damaged, or dead plant material with prior notification to the Contractor, however, the Contractor shall replace such trees as per these specifications.

2. Fallen or leaning trees shall be removed (if damaged or otherwise substandard) or uprighted/restaked (if apparently healthy and meeting Florida Grade No. 1).

a. Those trees requiring removal shall be removed within two (2) working days of written notification by the County. Planting holes of removed trees shall be immediately filled with soil to finish grade level.

b. The County, without prior notification to the Contractor, reserves the right to remove, reposition, any fallen or leaning tree encroaching into a vehicular travel lane or creating any other situation affecting public health, safety, welfare.

3. Plant material showing clear evidence of being damaged or knocked down by vehicular accidents will be removed by the County and replaced by the Contractor on a unit cost basis within thirty (30) calendar days after the written notification occurring at quarterly inspections.

4. The Contractor shall notify the County by written fax of each successfully completed plant material removal and/or replacement and each shall be identified by station number location shown on the planting plans.

5. All replacement plant material shall become guaranteed for a minimum of twelve (12) months from the date of their initial acceptance for replacement installation, and follow the same maintenance/guarantee period requirements specified herein for originally planted trees.

C. Final Acceptance:

1. The Contractor shall notify the County in writing fifteen (15) calendar days prior to presumptive completion of maintenance/guarantee period in order for the County to schedule a semi-final inspection. Said

maintenance/guarantee period shall be continued until the final inspection is complete and the final acceptance of the project is granted by the County.

2. Within seven (7) calendar days of the notice in ITEM SM - 1.11 C.1, a semi-final inspection will be scheduled by the County with the Contractor. Following the semi-final inspection, the County will provide the Contractor with a list of deficiencies including necessary replacements and required time frames for completion. Replacements, including those in ITEM SM - 1.10 B, shall occur prior to final inspection and before final acceptance is granted. When the work specified by the contract is found to be completed to the County's satisfaction, the semi-final inspection shall constitute a final inspection.

3. Upon satisfactory replacement of material and performance of required work by the Contractor, another semi-final inspection shall be made. If the required material is found to have been replaced and the work completed satisfactorily, then this shall constitute the final inspection.

4. When, upon completion of the final inspection, the work is found to be completed satisfactorily, the County shall give the Contractor written notice of final acceptance.

5. Not withstanding the above, the County reserves the right to accelerate the date of any final acceptance (thereby ending the maintenance/guarantee period) when the County deems such action is in the County's best interest.

6. Earth berm rings utilized to retain water within the saucer area of each tree (located at the perimeter of the 6'-wide planting hole) must be maintained throughout the entire guarantee period, but are to be knocked down to level grade just before the semi-final inspection for each tree. To accommodate mowing patterns, the previously circular mulched area for each tree shall be reshaped by the Contractor into an oblong eye-shaped area running lengthwise down the median 8' wide x 16' long as per project details. The grassed areas affected by the reshaped mulched areas shall be treated with an herbicide as per manufacturer's specifications for weed-removal before applying mulch. A 3" layer of mulch shall be applied by the Contractor to the entire eye-shaped area before final acceptance. The mulch area of trees that are clustered in tight groupings may be merged to form one mulch bed if approved in writing by the County.

SM - PART II - PRODUCTS

SM - 2.01 Landscape Maintenance Materials:

A. Water: Use water free of elements toxic to plant and/or animal life. Contractor shall provide (within the unit cost for each tree) labor and equipment necessary to distribute water as required for all installed materials using hand-watering methods. Existing or proposed irrigation systems will not be relied upon to provide water for newly planted materials.

B. Replacement Trees: Conform to the type, species, grade, standard, size and method of installation as originally specified unless otherwise directed in writing by the County. For replacement trees which differ from the original plants, the Contractor must obtain prior written approval by the County, and submit a credit/debit statement, as appropriate.

C. Planting Soil Backfill Mix: As specified in SECTION LI - LANDSCAPE INSTALLATION.

D. Fertilizer: As specified in SECTION LI - LANDSCAPE INSTALLATION.

E. Top Mulch: As specified in SECTION LI - LANDSCAPE INSTALLATION.

F. Herbicides: Use herbicides recommended for the control of the types of weeds encountered as recommended by the University of Florida Cooperative Extension Service. Limited Commercial Lawn & Ornamental license is required by Chapter 482.

G. Insecticides: Use insecticides recommended for the control of the types of insect pests encountered. Insecticides shall be EPA approved. Limited Commercial Lawn & Ornamental license is required by Chapter 482.

H. Fungicides: Use fungicides recommended for the control of the types of fungi encountered. Fungicides shall be EPA approved. Limited Commercial Lawn & Ornamental license is required by Chapter 482.

SM - PART III - EXECUTION

SM - 3.01 Landscape Maintenance:

A. General: Maintain all plantings in a healthy, vigorous and attractive condition so as to maintain the required Florida Grade No. 1 for all plantings as per Florida

Grades and Standards, commencing after each tree is planted and continuing until final acceptance at the end of the maintenance/guarantee period.

B. Maintenance:

1. Pruning and Trimming:

a. Trees (excluding palms): Prune all trees to remove dead, broken, or infected branches, suckers, vines and dead or decaying stumps and all other undesirable growth. Perform pruning to maintain Florida Grade No. 1 growth habit. To enhance the appearance of specific trees, the County may request additional pruning. Perform all pruning in accordance with American Association of Arborists standards and recommendations and also those of Florida Grades and Standards. Do not remove more than 15% of branches unless otherwise approved in writing by the County. Buckhorning (also called 'hat-racking') of any tree is not permitted.

b. Palms: Prune all palms to remove dead or substantially brown fronds only.

c. Woody Ornamentals: Prune all Woody Ornamentals to remove dead or substantially brown branches, maintain Florida Grade No. 1 growth habit, maintain County prescribed shape and maintain compliance with sight datum windows and maintain limits of clear sight.

d. Debris Removal: Remove and properly dispose of off-site all clippings, leaves, branches, sticks, and twigs after each pruning.

2. Fertilization: Apply specified complete fertilizers that are accepted by the County at manufacturer's recommended rates. Notify the County 48-hours in advance of applications. Consistent with Contractor's submitted detailed maintenance schedule in ITEM SM - 1.05, fertilize all trees two (2) times per year between March and October (no closer than four (4) months apart). Broadcast fertilizer inside saucer area around the edge of the root zone. Fertilizer must not be allowed to touch the trunk.

3. Mulching:

   a. Maintain a three (3") inch layer of mulch in all plant beds around all trees. Replenish to specified depth prior to each quarterly inspection during the minimum 12-month maintenance/guarantee period. Maintain mulch at 3" clear from all tree trunks. Apply mulch after fertilizing, never before.

   b. The Contractor shall be responsible for re-mulching activities (including re-establishment of earth berm of saucer) necessitated by washouts, foot traffic, automobile damage or unforeseen circumstances.

4. Weed Control: On a monthly basis, remove weeds mechanically or by spot treatment with accepted herbicide in all plant beds (including the mulched saucer area and the surrounding earth berm). All herbicides, including pre-emergents, are to be used according to label specifications during the maintenance period. All planting areas/mulched areas shall be weed-free for the final inspection.

5. Sucker Removal: Remove sucker growth monthly from all areas of the trunk, its base, and root zone.

6. Insect Control: Control insect pests which infest plant materials, and control ant mounds which may occur in landscape areas. Record insecticides and other remedies on the monthly work report.

7. Plant Replacement: Refer to ITEM SM - 1.11 B.

C. Watering for plant establishment:

1. All installed trees shall be hand-watered over the entire root zone with a slow soaking at 4-gallons per minute for deep root penetration and protection of surface roots, mulch, and earth berm around saucer. Contractor shall be responsible for adequate watering of all installed trees from the time of planting until final acceptance at the completion of the minimum twelve (12) month maintenance/guarantee period.

2. The following water guidelines have been established for Contractor's information only and shall be considered only as an estimate of water need.

Depending on climate, rainfall, soil, and plant conditions, the Contractor shall adjust the water schedule and amount per application to meet optimum plant growth conditions. The Contractor shall be responsible for monitoring climate and plant soil moisture conditions, and determining if watering beyond or less than the watering guideline described below shall be applied. Water shall not be paid for separately, but shall be included in the unit cost per tree.

WATER USE GUIDELINES

Amount of Water Applied:

Trees and Palm Trees: Apply a minimum of 15-gallons water per tree at each application. Water applied should be a slow soaking at 4-gallons per minute maximum.

Minimum Frequency Guidelines for Hand-Watering:

Material	Day	Frequency	No. Applications
Plant Material	1-30	Daily	30
"	31-180	Every 3rd Day	50
"	181-325	Every 7th Day	20
"	326-361	Every 12th Day	3

3. Frequency and number of applications may vary due to climate, rainfall, soil, and plant conditions. Less water may be used during wet, cool periods whereas more water may be needed during hot, dry periods. Contractor shall adjust as needed for optimum plant health. The minimal frequencies suggested above shall not limit the Contractor's responsibility for providing adequate watering and acclimation for the proper establishment of all trees.

4. Damage resulting from erosion, gullies, washouts, or other causes shall be repaired by the Contractor by filling with topsoil, reshaping earth berm and saucer, tamping to re-stabilize slopes, and replacing lost fertilizer and mulch at no additional cost to the County.

5. Contractor to use a self-canceling nozzle with a spray diffuser on the end of the hose to ensure water is applied gently so as not to displace mulch or expose root systems.

6. Proof of watering, in the form of receipts, meter readings or other written documentation, shall be presented with the Contractor's monthly reports.

D. Monthly Reports:

Complete monthly reports as described in ITEM SM - 1.09.

E. Payment Schedule:

The Contractor shall submit invoices for each unit bid price item by the percentages below:

1. Following written Initial Acceptance (at installation): 70% payment will be made with 30% retainage on trees only. All other bid items will be 100% payment at final acceptance by the county.

2. After the six month inspection, at the County's discretion: 20% retainage shall be released using the retainage balance.

3. Following written Final Acceptance of work at the end of the minimum 12-month Maintenance/Guarantee Period: Final payment (10%) based on above using the retainage balance will be made.

F. All cost associated with the performance of work under this contract including but not limited to all materials, labor, and equipment shall be included in the unit bid item price for each tree.

END OF SECTION

IRRIGATION SYSTEM CONSTRUCTION SPECIFICATIONS

ISC - PART I - GENERAL

ISC - 1.01 Scope Of Work:

A. Irrigation systems shall be constructed using sprinklers, valves, piping, fittings, controllers, wiring, etc. of sizes and types as shown on the drawings and as called for in these specifications. The system shall be constructed to grades and conform to areas and locations as shown on the drawings.

Sprinkler lines, valves, piping, wiring, etc. are essentially diagrammatic. Minor adjustments in location to suit field conditions are anticipated. Major relocations shall have prior approval of the County.

Unless otherwise specified or indicated on the drawings, construction of the irrigation system shall include furnishing, installing and testing of all mains, laterals and fittings, furnishing and installing of sprinkler heads, gate valves, control valves, controllers, and control wires, etc.; all necessary specialties and accessories such as backflow preventers, pump stations, excavation and backfill, and all other work in accordance with the plans and specifications as required for a complete system.

B. The Contractor shall obtain all permits and pay required fees to any governmental agency having jurisdiction over the work. Inspections required by local ordinances shall be arranged as required. Upon completion of the work, satisfactory evidence that all work has been installed in accordance with the ordinances and code requirements shall be furnished to the County.

C. While working on medians or on the roadside, proper traffic control shall be used to protect workers and the public. Traffic control operations for installation and for future maintenance shall be in accordance with the Palm Beach County Streetscape Standards Manual, latest edition, and as stated in the Maintenance of Traffic (MOT) Section in these Contract Documents. All work shall be done in accordance with all local and state codes and standards. All above ground apparatus and structures that are installed shall be kept a minimum of 6' from the adjacent travel lane.

ISC - PART II - PRODUCTS

ISC - 2.01 General:

All materials to be incorporated in this system shall be new and without flaws or defects and of the quality and performance as specified and meeting the requirements of this section. All material to be incorporated into an irrigation system that utilizes re-use water shall have the appropriate labels and bear the proper color (Pantone Purple PVC) as required by the service provider. All material overages at the completion of the installation are the property of the Contractor and are to be removed from the site.

ISC - 2.02 Pipe And Fittings:

Pipe sizes shall conform to those shown on drawings. No substitutions of smaller pipe sizes will be permitted but substitutions of larger sizes may be approved. All

pipe damaged or rejected because of defects shall be removed from the site at the time of said rejection.

A. Polyvinyl Chloride (PVC):

1. All plastic pipe shall be continuously and permanently marked with the following information:

   a. manufacturer's name
   b. pipe size
   c. schedule number, class or SDR number
   d. type of material
   e. code number

2. Unless otherwise noted on the drawings, all plastic pipe fittings shall be Schedule 80 polyvinyl chloride free from manufacturing defects.

3. Solvents used for joining must comply with the requirements of ASTM-D-2466 and be recommended by the manufacturer of the plastic pipe used.

4. All PVC main lines 2 ½" or larger shall have provision for expansion and contraction provided in the joints. All joints shall be designed for gasketed o-ring pipe. A push-on joint with a coupling manufactured as an integral part of the pipe barrel consisting of a thickened section with an expanded bell with a groove to retain a rubber sealing ring of uniform cross section similar and equal to Johns-Manville Ring-Tite and Ethyl Bell Ring or made with a separate twin gasket coupling similar and equal to Certainteed Fluid-Tite are acceptable. Circular gaskets shall conform to the requirements of ASTM designation F477. All O-ring pipe shall be Class 200.

5. All tees and elbows connecting to the o-ring mainline shall be ductile iron manufactured for use with PVC O-ring pipe, Harco or accepted equal.

6. Underground detectable marking tape shall be Line Guard or accepted equal.

7. When directional bore is chosen as the method by which to install sleeves, the selected main line pipe shall be smooth continuous HDPE SDR 11 with appropriate fittings for connection to Rigid PVC O-ring main line. Manufacturer shall be KAF-FLEX, (800) 451-7646 or accepted equal.

8. Main line, 2" or smaller, may be Schedule 40 PVC or HDPE with Schedule 80 PVC fittings as approved or directed by County Representative.

9. All lateral lines shall be Schedule 40 PVC.

B. Galvanized Steel:

Galvanized steel pipe shall conform to the requirements of ASTM Designation A 120, Schedule 40. At threaded joints between PVC and metal pipes, the metal shall contain the socket end and the PVC side, the spigot. A metal spigot shall not, under any circumstances, be screwed into a PVC socket.

C. HDPE SDR 11:

HDPE SDR 11 shall conform to the requirements of ASTM, ANSI, AWWA, etc., standard specification is incorporated by reference in these Specifications, the reference standard shall be the latest edition and revision.

ISC - 2.03 Risers:

A. All sprinklers shall have a flexible riser assembled by the use of flexible polyethylene pipe. The inside diameter of the polyethylene pipe shall be the same diameter as the sprinkler head inlet.

B. Swing joints used with rotor and spray bodies shall be by Lasco or accepted equal.

ISC - 2.04 Valves:

A. Backflow Preventer (used only for potable water supply):

The backflow preventer shall be a Reduced Pressure Zone (RPZ) type, as accepted by Palm Beach County Water Utilities Department, capable of having a flow rate that is greater than or equal to that which comes from the meter.

The backflow preventer body shall be constructed of bronze and the internal parts of stainless steel. A backflow preventer is not required for reclaimed water (gray water), but a check valve of the same size as the delivery line is required.

B. Manual Valves:

All zone shut-off valves of sizes 2" or smaller shall be all bronze double disc wedge type with integral taper seats and non-rising stem. Those in-ground shall be

installed in a separate valve box. Gate valves shall be NIBCO, T-113-K or equal American made, conforming to MSS SP-80 @ 200psi/13.8 Bar

A. Automatic Control Valves:
Shall be Irritrol 100P-1.5 FC with omni-reg pressure regulator, Toro P-220-27-0-6 (pressure-regulated angle type), or accepted equal. All control valves shall be provided with an equal sized gate valve installed upstream from the control valve and included in the same valve box.

B. Pressure Relief Valves:
The pressure relief valve shall maintain constant upstream pressure by passing or relieving excess pressure, and shall maintain close pressure limits without causing surges. The pressure relief valve shall be a fast opening, slow closing, 125 class flanged globe type valve. See plans for size (1" minimum) and opening pressure.

C. Air/Vacuum Relief Valves:
The air/vacuum relief valve shall be a 2" AR Series Combination Air and Vacuum Release Valve by BERMAD, or accepted equal. Install a 1-½" gate valve to allow isolation of relief valve for periodic cleaning and maintenance. The relief valve shall be installed in an approved valve box on a 1-½" 'swing joint' riser affixed to a saddle tap at the top of the mainline at the highest location in the system, in both directions from the source, or as directed by the engineer. Install in a traffic rated valve box per section 590-2.05.

ISC - 2.05 Valve Box:
To be polymer concrete with fiberglass reinforcement with a "Tier 15 or Tier 22" traffic rated cover, embossed with the word 'Irrigation", as certified by the manufacturer. Recommended manufacturers are CDR systems Corp., Ormond Beach Florida and Quazite, Lenoir City, Tennessee, or accepted equal. Optional sixes shall be a minimum of 18": X 12"x12" or 18" X 18":x12" or larger if more than 1 ACV is to be installed with cover (no metal).Size to be 12" X 18" with plain cover (no metal). The appropriate valve zone numbers shall be tagged or stenciled on the underside of the lids. Color of valve box to correspond with type of water used.

ISC - 2.06 Sprinkler Heads:

A. Quick Coupler Valves:
Quick coupler valves shall be two-piece heavy duty brass with locking vinyl cover. Rainbird Model #33 DL RC or accepted equal to be used where specified on the drawings. Provide (2) Model 2049 cover keys with (2) swivel hose ell adapters, Model SH-O or those suitable for use with equal manufacturer. Any quick-couples used with reclaimed water or surface water must be permanently labeled "Do Not Drink" in English and in Spanish.

B. Sprinkler Heads:
Toro 570Z-6P-PRX, 570Z-6P-ZXF, or accepted equal shall be provided where specified on the drawings. Rotor heads shall be Hunter PGP with stainless steel risers, K-Rain Pro-Plus, Toro EZ Adjust, or accepted equal. All heads located on slopes shall be equipped with a Check Valve Seal.

C. Bubbler Heads:
Bubbler heads shall be adjustable with a full circle delivery pattern. Rainbird 1300 A-F, Toro 514-20, Irritrol 533 or accepted equal, shall be provided where specified on the drawings.

ISC - 2.07 Electrical Control Wiring:

All electrical control wiring shall be UF which has been approved for direct underground burial.

A. Ground/Common wire shall be American wire gauge size 12.

B. Control wire shall be American wire gauge size 12, or as specified on the drawings.

C. Electrical control wire Two-Wire system cable decoder cables between the controllers and the decoders shall be Hunter 1D1 GRY, 1D1PUR, 1D1YWL, 1D1ORG, 1D1BLU and/or 1D1TAN Twisted Blue and Red insulated solid copper conductors, 14 Gauge, 14/2 AWG A.K.A Paige P7313D Direct Burial Decoder Cable Part Number 1701116RB with high density polyethylene insulation as manufactured by Paige, Two-Wire Control System wiring between the single decoders and the zone valve shall be 14/2 AWG Paige DTS Cable.

D. Insulation shall be 075" thick minimum covering for positive waterproof protection of 14/2 AWG.

E. Waterproof 3M DBY and DBR-6 wire connectors shall be used for all wire connections per the details.

ISC - 2.08 Pump Station:

A. Pump shall be as specified on the drawings.

1. Submersible pump requires the following:

a. A cased well of appropriate size and depth as specified on the drawings to accept the specified pump and motor (see well specifications).

b. A submersible pump and motor as specified in the drawings ranging from 2 HP to 10 HP. Pump shall be Goulds, Sta-Rite, Aerometer or accepted equal to be installed with a pressure relief valve. Submit performance curves prior to installation.

c. One 6" thick concrete, below-ground vault, Model #PB4848-48 by Oldcastle Precast, Inc., or accepted equal. Required inside

dimensions shall 48" x 48" x 48" deep. Vault shall have a concrete bottom containing drain hole(s) and an Aluminum 48" x 48" cover. 300 PSF load rating, Model #ADP300 by U.S.F. Fabrication, Inc., or accepted equal. The vault shall be core drilled as necessary to connect tanks to discharge pipe (see Item d below).

d. One rust control tank and one fertigation tank. Tanks shall be 55 gallon capacity, 20" dia. x 38" deep seamless molded plastic, minimum 1/8" thick, Model #TC2038IA by Chem Tainer Inc., or accepted equal. Tanks shall have piped connections to two injector pumps then to the discharge side of the pump. Injector pumps shall be wired to pump control and be capable of delivering between 10 and 100 parts per million. Pumps shall be a solenoid driven metering pump, LMI Unidose, Model # UO42-281, or accepted equal.

e. Electrical equipment shall be mounted on an aluminum, unistrut rack (3" x 1'-4" U- Channel uprights with 2" x ¼" L- Channel cross braces). The rack shall contain the irrigation controller and motor control/starter in a NEMA 4x enclosure, injector pumps (see Item d above) and a NEMA 4x circuit breaker panel with manual shut-off. A rain sensor, Hunter Industries 'Mini Click' "C", or accepted equal shall be required. Connection from the irrigation controller to the rain switch shall be via a conduit adapter mounted on a pole, per code, or through the integration of a wireless rain cut-off. All electrical work must be performed by a licensed electrician. Electrical service meter shall be mounted 36" above grade on its own unistrut rack at the base of the pole where the riser has been installed and provided with a 2P3W Fused NEMA 4X rated stainless steel Manual Disconnect with UL Class RK-5 Fuses, all sized per applicable codes for the pump being installed.

f. For pumps 5 HP and larger, a Jayco, or accepted equal, 1-¼" pressure relief valve and an Ames Cla Valve, or accepted equal pressure regulating and pressure sustaining valve, pressure gauge followed by a gate valve, both of the same size as the main line.

g. A Coast Guardshack cage fabricated from expanded metal, or accepted equal, to enclose the well head and both valves, mounted on a concrete pad as per the manufacturer's specifications.

h. Concrete vaults shall contain sump pumps wired to the power panel. Pumps shall be ¼ hp, Myers, Model # 525VI, 115 V, or accepted equal. Install PVC discharge pipe, with an appropriate check valve of the same size as the discharge line, just below grade for a minimum distance of ten feet with a 4" PVC pop-up discharge blow off cover by NDS or accepted equal located above a 2'x2'x2' Gravel Sump.

2. Centrifugal pump station requires the following:

a. A cased well of appropriate size and depth as specified in the drawings (see well specifications).

b. A centrifugal pump and motor as specified in the drawings ranging from 2 HP to 10 HP. Pump shall be Flint & Walling with brass impeller (for all 3hp or smaller pumps), Goulds, Sta-Rite, Sullivan Electric or accepted equal, to be installed with a pressure relief valve and Hot Stop or similar emergency shut-off device. Submit performance curves prior to installation.

c. Concrete vault as described in Item 2.08-A1c above.

d. Rust control and fertigation tanks as described in Item 2.08-A1d above.

e. Electrical equipment and mounting as described in Item 2.08-A1e above.

f. Pressure regulating valve with a pressure gauge as described in Item 2.08-A1f above.

g. A pump enclosure, Canal Screens, Inc., or accepted equal, sized to house the pump and the pressure regulating valve and gate valve if applicable, set on an aluminum skid and anchored to a concrete pad of the size recommended by the enclosure manufacturer.

h. A check valve, by STRATAFLO PRODUCTS, INC, on the intake side of the pump of the same size as the intake pipe installed either inside or outside of the pump enclosure.

3. Potable, reuse or surface water supplies require the following:

   a. Plans shall be submitted to the appropriate water utility for review. Contractor shall pay any plan review fees. Palm Beach County will arrange for water service and tap, and will pay any service initiation fees.

   b. An RPZ backflow preventer, as accepted by Palm Beach County Water Utilities Department, Ames Cla Valve or accepted equal, pressure regulating and pressure sustaining valve, pressure gauge followed by gate valve installed by a licensed plumber beyond the water meter.

4. When reclaimed water is used, the requirements are the same as those for potable water, except that a check valve shall be installed instead of the RPZ backflow preventer.

5. When the water source is surface water such as a lake or canal, the requirements are the same as those for a centrifugal pump station except for the well. In addition, the suction pipe shall be fitted with a Plum Creek, Aqua Queen or accepted equal, self-cleaning intake screen installed as per manufacturer's specifications.

B. Pipes, valves, fittings, etc., shall be galvanized steel in sizes and locations as shown on the plans. No PVC shall be used above ground.

ISC - 2.09 Controller:

Shall be Sentinel Field Satellite as manufactured by Toro, or accepted equal, in stainless steel pedestal mounted cabinet, mounted adjacent to the aluminum unistrut (see Item 2.08-A1e above). Provide an additional 120V, 15 AMP electrical outlet for auxiliary power and a Data Industrial Model IR-PR flow sensor (size determined by size of mainline). Flow sensor shall be located as indicated in details within a 11" x 11" x 18" polymer concrete box with fiberglass reinforcement and fitted with a locking traffic rated cover. Provide each satellite controller with a hand held radio and radio port, one surge protection board, antenna approved ground rod/plate protection (separate grounding protection is required from the pump station) and pump start. Contractor shall be responsible for hook up and verification of positive connection to Central Controller. Pump controls shall be mounted on aluminum

unistrut with fused shut-off, meter and rain sensor. Electrical service shall be U.L. approved, installed by a licensed electrician and provided with a molded breakaway plug and connector installed in a traffic rated approved in ground pull box.

Toro Sentinel "Water Management System" central controller, or approved equal. This unit shall communicate with the central, and have a mother-board and one 96 Station daughter-board which is compatible with a two-wire communication path with Toro ISP decoders.

For information and prices, contact Hector Turf at (954)429-3200.

ISC - 2.10 Communication Tower:

Shall be a freestanding tripod G-25 by ROHN, or accepted equal, with 12" spacing. Antenna shall be installed per manufacturer's directions in the location indicated in the plans or as directed by County personnel. The number of sections required to provide positive communications shall be determined at the time of installation.

ISC - PART III - EXECUTION

ISC - 3.01 Surface Conditions:

A. Inspection:

1. Prior to all irrigation work, the Contractor shall carefully inspect the installed work of all other trades and verify that all such work is complete to the point where this installation may properly commence.

2. The Contractor shall coordinate work with electrical and paving contractors, as needed.

3. The Contractor shall verify that irrigation system may be installed in strict accordance with all pertinent codes and regulations, the original designs, the referenced standards, and the manufacturers' recommendations.

4. The Contractor shall call Sunshine State One-Call of Florida, Inc. at 1-800-432-770 to verify utility locations at least 48 hours prior to digging. The Contractor shall be responsible for contacting or locating other utilities. The Palm Beach Water Utilities Department also must be contacted at (561)

641-3429, or the appropriate water utility having jurisdiction over the project area, to verify locations and depths of underground utilities.

5. If the irrigation system is damaged as a result of improper construction or coordination on the part of the Contractor, the damage shall be repaired by the Contractor at no expense to the County.

B. Discrepancies:

1. In the event of a discrepancy, the Contractor shall immediately notify the County. 100% coverage and 100% overlap is required regardless of any site changes.

2. The Contractor shall not proceed with the installation in areas of discrepancy until such discrepancies have been fully resolved in writing by the County.

ISC - 3.02 Field Measurements:

The Contractor shall make all necessary measurements in the field to insure precise fit of items in accordance with the specifications found in the drawings. The final layout of the project must be approved by the County before any work commences.

ISC - 3.03 Trenching And Backfilling:

A. Trenching for plastic pipe shall be excavated to sufficient depth and width to permit proper handling and installation of pipe and fittings. The backfill shall be thoroughly compacted and leveled off to adjacent soil level. The backfill shall contain no lumps or rocks larger than 3 inches. The top six inches of backfill shall be free of rocks larger than 1", subsoil or trash. Pipe trench shall be sodded if placed in an existing sodded area and shall not settle after backfilling.

B. Minimum Depth of Cover:

1. The minimum depth of cover for main lines shall be 24" with a layer of Line Guard installed at a depth of 6".

2. For lateral lines on the discharge side of the E.R.C.V., minimum depth of cover shall be 18".

3. For Line Guard (main lines only), minimum depth of cover shall be 6".

4. Requirements of the FDOT Utility Accommodation Manual and the specific Utility Permit Conditions shall take precedence over the above standards for work in State Roads.

ISC - 3.04 Installation of Piping:

A. Inspection of pipe and fittings:

The Contractor shall carefully inspect all pipe and fittings before installation, removing all dirt, scale, and burrs, and reaming as required. Install all pipe with all markings up for visual inspection and verification.

B. The Contractor shall coordinate work with Site Contractor to locate sleeves of size and location as shown on the drawings.

C. Plastic Pipe:

1. The Contractor shall exercise care in handling, loading, unloading, and storing plastic pipe and fittings; store plastic pipe and fittings under cover until ready to install; transport plastic pipe only on a vehicle with a bed long enough to allow the pipe to lay flat to avoid bending and concentrated external load.

2. The Contractor shall repair all dented and damaged pipe by cutting out the dented or damaged section and rejoining with a coupling.

3. In joining, use only the specified solvent and make all joints in strict accordance with the manufacturer's recommended methods. Give solvent welds at least 15 minutes set up time before moving or handling and 24 hours curing time before filling with water.

4. For plastic-to-steel connections, work the steel connection first; use a non-hardening pipe dope on all threaded plastic-to-steel connections and use only light wrench pressure.

D. Galvanized Pipe:

1. Make all cuts to galvanized pipe square with all cuts thoroughly reamed and all rough edges or burrs removed.

2. Make all pipe threads sound, clean-cut, and well fitting.

3. Use pipe dope on male fittings only.

4. Make all screwed joints tight with all the necessary wrenches, but without handle extensions.

E. Pavement Crossings:

1. Sleeves under decorative paving or sidewalks are to be schedule 40 PVC and installed at depth of 24" and extended 12" beyond edge of walk.

2. Sleeves under vehicular paving are to be HDPE installed at a depth of 36" and extended 24" beyond edge of pavement or back of curb.

3. Installation under existing pavement is to be by directional bore. Any pavement, curb, sidewalk, or other surface damaged during boring shall be replaced to Palm Beach County and F.D.O.T. specifications.

4. The contractor shall provide the GPS State Plane Coordinates for location of all landscape irrigation sleeve (both active and abandoned) ends and install 3M Electronic markers at the sleeve ends during construction

ISC - 3.05 Installation of Equipment:

A. Manual control valves and electric remote control valves:

The Contractor shall install manual and electric remote control valves in control boxes where indicated on the drawings, a minimum of 18" from back of curb, in accordance with the manufacturer's recommendations.

B. Motor, pump, pressure control valves, check valves and main shut-off gate valves:

Install where indicated in the drawings, in accordance with drawings and with manufacturer's recommendations.

C. Air Relief Valves:
Install where indicated on the drawings at highest elevation, in accordance with manufacturer's recommendations.

D. Pressure Relief Valves:
Install where indicated in the drawings, in accordance with drawings and with manufacturer's recommendations.

E. Sprinkler Heads:
Installation of Irrigation Heads: Heads shall be placed to finished grades. Locate sprinkler heads a minimum of 12" from back of curb. Upon installation heads shall be flagged by colored markers for positive identification in field. Prior to operation of heads, the Contractor will lay an area 2' x 2' of sod around each head. Sod shall be laid so that it is even with the finished grade. Heads must be firmly set so as to withstand being driven over with soft tire equipment without damage. Rotor heads require swing joint assemblies.

F. Thrust Blocking:

1. In general, thrust blocks are required on the main line at the following locations:

   a. Where the pipe changes direction of the water (i.e., ties, elbows, crosses, wyes and tees).

   b. Where the pipe size changes (i.e., ties, elbows, crosses, wyes and tees)

   c. At the end of the pipeline (i.e., caps and plugs).

   d. Where there is an in-line valve.

2. Blocks shall be concrete, having a calculated compressive strength of 3,000 psi. Install as shown on details.

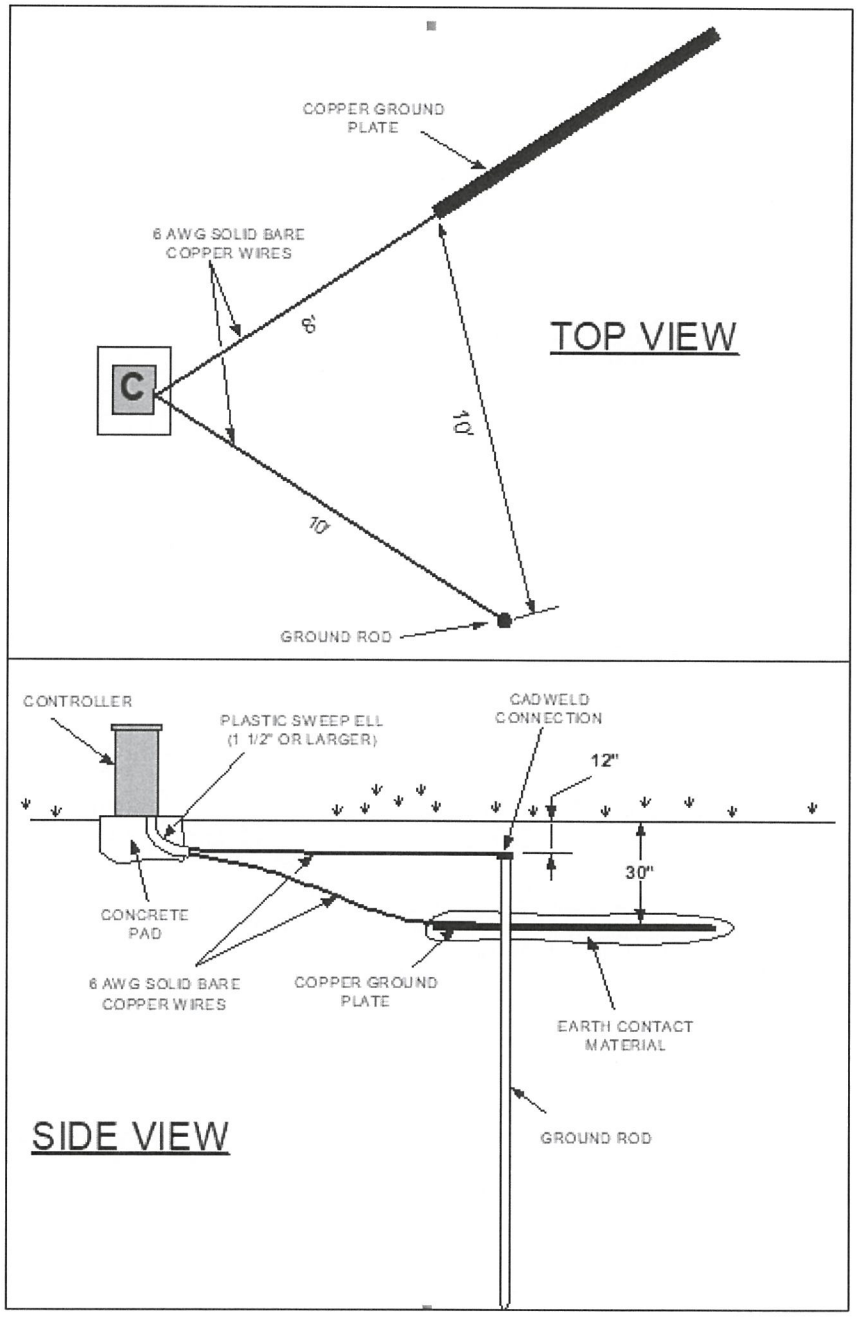
G. Controllers:
The Contractor shall install controllers at locations as shown on plan according to manufacturer's recommendations.

H. Lightning Arrestor:

The Contractor shall install an arrestor at each controller location shown on the plans to provide lightning protection on both primary and secondary sides of all controllers in accordance with Article 250 of the National Electrical Code (NEC.) Grounding, bonding, and shielding components will include the items described in the following paragraphs, at a minimum.

EARTH GROUNDING

Use grounding electrodes that are UL listed or manufactured to meet the minimum requirements of Article 250-52 of the 2002 edition of the NEC. At the very minimum, the grounding circuit will include a copper clad steel ground rod, a solid copper ground plate and 100 pounds of PowerSet® earth contact material, as defined below and per the following detail. This detail is the minimum requirement for supplementary grounding of any electronic equipment. Other details, for a multitude of field situations, are available form the American Society of Irrigation Consultants, ASIC Guideline 100-2002 (www.asic.org, "Design Guides".)



Ground rods are to have a minimum diameter of 5/8" and a minimum length of 10 feet. These are to be driven into the ground in a vertical position or an oblique angle not to exceed 45 degrees at a location 10 feet

from the electronic equipment, the ground plate, or the wires and cables connected to said equipment, as shown in the detail above. The rod is to be stamped with the UL logo [Paige Electric part number 182007.] A 6 AWG solid bare copper wire (about 12 feet long) shall be connected to the ground rod by the installer using a Cadweld GR1161G "One-Shot" welding kit [Paige Electric part number 1820037.] This wire shall be connected to the electronic equipment ground lug as shown in the detail above.

The copper grounding plate assemblies [Paige Electric part number 182199L] must meet the minimum requirements of Article 250-52(d) of the 1999 NEC. They are to be made of a copper alloy intended for grounding applications and will have minimum dimensions of 4" x 96" x 0.0625". A 25-foot continuous length (no splices allowed unless using exothermic welding process) of 6 AWG solid bare copper wire is to be attached to the plate by the manufacturer using an approved welding process. This wire is to be connected to the electronic equipment ground lug as shown in the detail of page 1. The ground plate is to be installed to a minimum depth of 30", or below the frost line if it is lower than 30", at a location 8 feet from the electronic equipment and underground wires and cables. Two 50-pound bags of PowerSet® [Paige Electric part number 1820058] earth contact material must be spread so that it surrounds the copper plate evenly along its length within a 6" wide trench. Salts, fertilizers, bentonite clay, cement, coke, carbon, and other chemicals are not to be used to improve soil conductivity because these materials are corrosive and will cause the copper electrodes to erode and become less effective with time.

Install all grounding circuit components in straight lines. When necessary to make bends, do not make sharp turns. To prevent the electrode-discharged energy from re-entering the underground wires and cables, all electrodes shall be installed away from said wires and cables. The spacing between any two electrodes shall be as shown in the detail of page 1, so that they don't compete for the same soil.

The earth-to-ground resistance of this circuit is to be measured using a Megger®, or other similar instrument, and the reading is to be no more than 10 ohms. If the resistance is more than 10 ohms, additional ground plates and PowerSet® are to be installed in the direction of an irrigated area at a distance of 10', 12', 14', etc. It is required that the soil surrounding copper electrodes be kept at a minimum moisture level of 15% at all times by dedicating an irrigation station at each controller location. The irrigated area should include a circle with a 10-foot radius around the ground rod and a rectangle measuring 1-foot X 24-feet around the plate.

All underground circuit connections are to be made using an exothermic welding process by utilizing products such as the Cadweld "One-Shot" kits. Solder shall not be allowed to make connections. In order to ensure proper ignition of the "One-Shot", the Cadweld T-320 igniter must be utilized [Paige Electric part number 1820040.] The 6 AWG bare copper wires are to be installed in as straight a line as possible, and if it is necessary to make a turn or a bend it shall be

done in a sweeping curve with a minimum radius of 8" and a minimum included angle of 90°. Mechanical clamps shall be permitted temporarily during the resistance test process, but are to be replaced with Cadweld "One-Shot" kits immediately thereafter.

Proof of effectiveness of lightning arrestor shall be in accordance with manufacturer's guidelines. A maximum of 10 ohms of resistance is allowable.

I. Backflow Preventer:

RPZ Backflow Preventer shall be installed by licensed plumber in a location approved by the appropriate water utility department.

ISC - 3.06 Electrical Control Wiring:

A. Installation of electrical control cable shall be of the size specified and shall be taped to the bottom of the main line. Expansion joints in the wire to be provided at 200-feet intervals by making 5 to 6 turns of the wire around a piece of ½" pipe. Where it is necessary to run wire in a separate trench, the wire shall be within a PVC sleeve and have a minimum cover of twelve (12) inches.

B. All wire connections at remote control valves, within valve boxes, and at all wire splices, shall be left with a 6' minimum "slack" so that in case of repair, the valve bonnet or splice may be brought to the surface without disconnecting the wires. Waterproof splice to be Rainbird or equal

C. All pump station wiring shall be done by a licensed electrician.

D. All electric control wire shall be sized as recommended by the controller, valve, Two-wire control system and grounding manufacturer, except as otherwise specified. It shall be encased in an orange 1-1/4" HDPE pipe conduit installed in the piping trenches wherever possible and be placed along side of the main line. All Two-Wire cable between decoders/electric wire boxes, along the entire wire paths and into the bottom of the controller or control wire junction box at edge of the pump station shall be encased in the orange HDPE pipe conduit.

E. At all wire connections at remote control valves, decoders and at all wire splices, the wire shall be left with sufficient slack so that in case of repair the valve bonnet, decoder or splice may be brought to the surface without disconnecting the wires. See Zone Valve/Decoder Wiring/Grounding Detail for lengths (30"-60"). All splicing of wire shall take place in valve boxes. All splicing of wires shall be made

using UL listed waterproof wire connectors as recommended by the wire manufacturer and per the valve and decoder details which specify 3M BDY and DBR-6 waterproof wire connectors.

F. Each remote control valve shall be connected to a single station decoder shall have wire sizes and coded colors per the Zone Control Valve/Decoder Wiring/Grounding Detail and as recommended by the manufacturer, except as otherwise specified. All decoders, which are connected to the same controller, shall be connected to the Two-Wire path Control System using Decoder Wire, which shall be Hunter 1D1GRY, 1D1PUR, 1D1YWL, 1D1org,1D1tan Twisted blue and red insulated soild copper conductors, 14 Gauge, 14/2 AWG Paige P7313D Direct Burial Decoder Cable part Number 170116RB with high density polyethylene insulation as manufactured by Paige. Each individual controller shall have a separate Two-Wire Path/s wire control system entirely independent any wire system of all other controllers. Only those remote control valves, which are being controlled by one specific controller, shall be connected to that controller's two-wire control system.

G. Two-Wire Control System wiring between the single decoders and the zone valves shall be 14/2 AWG Paige DTS Cable, color coded with each pair being different colors than the other solenoid wires within the group of solenoids per the Zone Control Valve/Decoder Wiring/Grounding Detail. The decoders shall be installed in a Gray rectangular valve box with "Electric" logo per the Remote Control Valve/Decoder Wiring/Grounding Detail.

ISC - 3.07 Testing and Inspection:

A. Closing in Uninspected Work:

The Contractor shall not allow or cause any of the irrigation work to be covered or enclosed until it has been inspected, tested, and approved by the County. Any work which has been covered shall be exposed for inspection.

B. Flushing:
Before backfilling the main line, and with all control valves in place before lateral pipes are connected, completely flush and test the main line and repair all leaks; flush out each section of lateral pipe before sprinkler heads are attached.

C. Testing:

1. Make all necessary provisions for thoroughly bleeding the line of air and debris.

2. Before testing, fill the line with water for a period of at least 24 hours.

3. After valves have been installed, test all main lines for leaks at a pressure of 100 psi for a period of 4 hours with all couplings exposed and with all pipe sections center-loaded. No more than 5 psi loss will be acceptable.

4. Furnish all necessary testing equipment and personnel.

5. Correct all leaks and re-test until accepted by the Owner.

D. Final Inspection:

1. The Contractor shall thoroughly clean, adjust and balance all systems.

2. The Contractor shall demonstrate the entire system to the County, proving that all remote control valves are properly balanced, that all heads are properly adjusted for radius arc of coverage and overspray, and that the installed system is workable, clean, and efficient. No irrigation water shall enter the roadway.

ISC - 3.08 Instructions:

A. Remote Control Legend: Attach a typewritten legend inside each controller door that states the areas covered by each remote control valve.

B. Maintenance Personnel: After the system has been completed, inspected and approved, the Contractor shall instruct the Owner's maintenance personnel in the operation and maintenance of the irrigation system.

C. Provide all manuals, product literature, Warranty Certificates, keys, etc. to the County - Streetscape Section.

ISC - 3.09 Plans:

Substantial deviations from piping layout (2' or more) shall be recorded as work progresses and an as-built plan of the sprinkler system shall be furnished to the Owner as a condition of completion of work. Forward all bore logs and profiles, tests results and permit copies to the County - Streetscape Section.

ISC - 3.10 Guarantee:

All equipment, material, and labor shall be guaranteed by the Contractor for a period of one (1) year after substantial completion of the project. Any defects found, either in materials or workmanship, during the period shall be immediately corrected at the contractor's expense.

END OF SECTION

IRRIGATION OPEN END WELL CONSTRUCTION SPECIFICATIONS

IWC - PART I - GENERAL

IWC - 1.01 Related Documents and General Conditions:

Drawings and General Provision of Contract, including General Supplementary Conditions apply to work of this Section. The Contractor shall keep a copy of all Contract Documents on-site at all times including drawings, all Specifications and Codes mentioned above, and copies of all logs, and correspondence. All work shall be done in accordance with all applicable ordinances, laws, codes and regulations. Any changes required by these ordinances, laws, codes and regulations shall be made at no additional expense to the Owner.

IWC - 1.02 Scope of Work:

The work covered by this Section of the Specifications shall include, but not be limited to, the following:

A. All labor, equipment, material, and operations necessary for construction, development, and testing of the proposed well (see SECTION - ISC IRRIGATION SYSTEM CONSTRUCTION SPECIFICATIONS).

B. All labor and materials necessary to connect well to a specified pump (see SECTION - ISC IRRIGATION SYSTEM CONSTRUCTION SPECIFICATIONS).

C. Drill well to a depth as necessary to achieve the required water flow and water quality.

D. The Contractor shall apply for and pay for all permits and licenses required for execution of the work. Any required signatures by County officials will be provided. The Contractor shall arrange for, and be present during, all required inspections. Any required additional work or materials resulting from inspections under the above permits shall be provided at no cost to the Owner.

IWC - 1.03 Quality Assurance:

A. The Contractor shall inspect the site to determine conditions to be encountered during construction noting all existing and /or proposed utilities (see SECTION - ISC IRRIGATION SYSTEM CONSTRUCTION SPECIFICATIONS for underground utility location procedures).

B. The Contractor shall be responsible for any damage that occurs as a result of the construction. This shall include, but not be limited to, the Owner's property, underground utilities, and vehicular traffic. The Contractor shall keep the work area neat and orderly, continually removing rubbish, waste material and temporary structures.

C. Protecting Water Quality:

Take precautions to prevent contaminated water or water having undesirable physical or chemical characteristics from entering the stratum from which well is to draw its supply. Prevent contaminated water, gasoline, etc., from entering well, either through the opening or by seepage through ground surfaces.

If well becomes contaminated or water having undesirable physical or chemical characteristics enters the well due to neglect, provide casings, seals, sterilizing agents or other materials to eliminate contamination or shut off undesirable water. Provide remedial work at no cost to the Owner.

Exercise care in performance of work to prevent breakdown or caving-in of strata overlaying that from which water is to be drawn. Develop, pump or bail well until water pumped from the well is substantially free from sand.

Protect work to prevent either tampering with the well or entrance of foreign matter during well development. Upon completion, provide a temporary well cap.

D. Driller's Requirements: An experienced foreman or driller who has authority to take orders from the County is to be constantly in control of the well site. Upon request, the driller shall furnish well drilling information desired by the County.

E. The Contractor shall guarantee the water well for one (1) year from the date of initial acceptance by the County. This shall include all material, workmanship, and well performance.

IWC - 1.04 Abandonment of Drilling:

A. If it becomes necessary to abandon drilling operations before completion of a water producing well, the Contractor shall follow all regulations for abandonment of the well as required by local authorities having jurisdiction.

B. Should abandonment of drilling be necessary due to poor workmanship or negligence on the part of the Contractor, no compensation will be allowed.

C. Should abandonment of drilling be necessary due to inadequate water supply or for another reason that is deemed to be no fault of the Contractor by the County, payment for the work shall be based upon the actual vertical footage completed and shall be paid at the Contract Unit Price for Additional Well Depth In Excess Of Base Depth, or as agreed upon.

IWC - 1.05 Submittals:

A. Prior to starting construction of the well, the Contractor shall submit to the County for approval an estimated schedule of the work to be accomplished and a description of the methods and equipment to be used during construction. The description shall include methods he will use to drill, develop and test the well.

B. The Contractor shall keep accurate logs of the irrigation well and samples of materials drilled through. Take samples of substrata formation at ten foot intervals and/or changes in formation throughout the entire depth of the well.

Provide the following information to the County for record purposes:

1. Casings: Diameter, thickness, weight per foot of length, depth below grade.

2. Pumping Test: Static water level, maximum safe yield, drawdown at a maximum yield.

3. Drilling Log: Log indicating strata encountered.

4. Alignment: Certification that the well is aligned and plumb within specified tolerances.

The Contractor shall keep an accurate record of the order, number, size and length of the individual pieces of pipe as assembled in the well. The records shall be delivered to the County upon completion of the work.

C. The Contractor shall provide to the County a physical and chemical analysis of water from the finished well. Make the analysis, certified by an approved testing laboratory, in accordance with local requirements, to include the following: total dissolved solids, silica, iron, pH, sulfur, chloride, and salt content.

IWC - PART II - PRODUCTS

IWC - 2.01 Materials:

A. Casings:

The irrigation well casing shall be new black steel pipe, Schedule 40. The joints may be welded or threaded coupling.

B. Grout:

Grout shall be ANSI/ASTM C150, type shall suit project conditions.

IWC - PART III - EXECUTION

IWC - 3.01 Well Construction:

A. Annular space shall be continuously filled with grout, with process being completed in a single operation. Subsequent work in the well, such as drilling or other operations, shall be suspended for 72 hours after grouting of casing. The only exception shall be when quick-setting cement is used, when work may proceed after 24 hours.

B. Install permanent casing with a temporary well cap. Installation of the well cap shall be coordinated with the pump system installer.

C. The well shall be of sufficient size to produce a continuous supply of water at an acceptable quality and specified capacity.

IWC - 3.02 Well Development:

A. The well shall be developed by such methods that will effectively extract, from a water bearing formation, the maximum practical quantity of sand, drilling mud and other fine materials in order to bring the well to maximum yield per foot of drawdown and to a sand-free condition. This work shall be performed in a manner that does not cause any undue settlement or disturbance of the strata above the water bearing formation, nor disturb the seal around the well casing, thereby reducing the sanitary protection otherwise afforded by the seal.

B. Development of the well shall continue until water pumped from the well, at a maximum test pumping rate, is clear and free from sand and other debris that is larger than 0.030" in diameter. The water shall be considered sand-free when no samples taken during the test pumping contain more than 2 parts per million of suspended solids per weight. The Contractor shall submit to the County certification from an approved testing laboratory that indicates the results of the "Non-Filterable Residual" (total suspended solids) test, as specified in the EPA Manual, Section 160.2. A sufficient amount of water to insure a detection limit of less than 2 PPM (mg/L) must be filtered.

IWC - 3.03 Testing Of Well For Plumbness and Alignment:

A. Set casing plumb and true to line. At a minimum, tests for plumbness and alignment shall be made after construction of the well and before its acceptance. Additional tests may be required during the performance of the work.

B. Test alignment of the well by lowering a pipe approximately 40 feet in length to a depth of 90 feet. The pipe used for the alignment test shall be not more than ½" smaller in diameter than the portion of casing or hole being tested at the time. The pipe must pass freely through the casing or hole.

C. The well casing shall not be out of plumb more than 2/3 of the diameter of the casing per 100' of length. If the well does not pass this test, the Contractor shall be responsible for repair or replacement of the well.

IWC - 3.04 Testing Well For Yield and Drawdown:

A. Final pumping tests shall be conducted only after the well has been fully constructed, cleaned out and depth of well accurately measured.

B. A variable capacity test pump shall be provided that has a minimum capacity of the maximum expected yield at total head equal to drawdown in the well, plus the head loss in the pump column and discharge piping.

C. The Contractor shall provide enough discharge piping for pumping unit to conduct water to a point of disposal that will avoid a nuisance or endangerment to adjacent property. Provide and maintain any equipment needed for measuring flow of water such as a weir box, orifice or water meter. The elevation of the water level in the well will then be measured.

D. All labor, power and other necessary materials, equipment and supplies required to operate the pumping unit shall be supplied by the Contractor. The final testing for each well shall consist of four (4) hours of continuous pumping after maximum drawdown has been reached. After completion of the final test, foreign matter such as sand, stones or other debris shall be removed from the well by bailing, sand pumping or other approved methods.

E. After the test pump and auxiliary equipment have been installed, the County shall be notified a minimum of 3 days prior to the start of any test pumping. Conduct test pumping as follows:

1. Record initial water elevations in the well.

2. Start test pump and make adjustments to bring pump to required pumping rate.

3. Record readings of water level in the well and pumping rate at 30 minute intervals.

4. Water samples shall be taken for analysis at the beginning and at the end of the pump test.

F. Upon completion of the pumping test, record the returning levels in the well at 15 minute intervals until 95% of the well capacity is reached. Prepare notations so that a curve of the recovery rate may be plotted.

G. Provide all test results and other required submittals to the County.

IWC - 3.04 Disinfection of Well:

A. Use disinfection procedures as required by local government agencies. The well must be cleaned of foreign substances after all development work has been completed and it has been satisfactorily tested. Casings should be swabbed, using alkalis if necessary, to remove foreign substances.

B. The well shall be disinfected with a chlorine solution of sufficient strength to provide a minimum chlorine to water ratio of 100 parts per million within the well. The chlorine solution shall be introduced into the well using gravity, pump or drop feeder. A contact period of 24 hours shall be attained; then the well shall be pumped until the chlorine residual is less than 0.2 parts per million.

END OF SECTION

THIS SPACE LEFT BLANK INTENTIONALLY

PALM BEACH COUNTY, FLORIDA

STANDARD SPECIFICATIONS FOR ROAD AND

BRIDGE CONSTRUCTION

Florida Department of Transportation Standard Specifications for Road and Bridge Construction, dated July 2017 shall be used as the basis for the Work.

The Contractor agrees that the Florida Department of Transportation Standard Specifications for Road and Bridge Construction, July 2017 Edition, amended as follows by the General Provisions, but not otherwise changed, shall govern.

PALM BEACH COUNTY, FLORIDA
GENERAL PROVISIONS

DIVISION I
GENERAL REQUIREMENTS AND COVENANTS

SECTION 1
DEFINITIONS AND TERMS

1-3 Definitions

The following terms, when used in the Contract Documents, have the meaning described as follows:

Department THE FOLLOWING IS SUBSTITUTED:

The Palm Beach County Engineering & Public Works Department or The State of Florida Department of Transportation, as appropriate.

Engineer THE FOLLOWING IS SUBSTITUTED:

Palm Beach County Engineering, acting directly or through duly authorized representatives, such representatives acting within the scope of the duties and authority assigned to them.

Note: In order to avoid cumbersome and confusing repetition of expressions in these Specifications, it is provided that whenever anything is, or is to be done, if, as, or, when, or where "acceptable, accepted, approval, approved, authorized, condemned, considered necessary, contemplated, deemed necessary, designated, determined, directed, disapproved, established, given, indicated, insufficient, ordered, permitted, rejected, required, reserved, satisfactory, specified, sufficient, suitable, suspended, unacceptable, or unsatisfactory," it shall be understood as if the expression were followed by the words "by the Engineer", "to the Engineer", or "of the Engineer".

ADD THE FOLLOWING DEFINITION:
Financial Project Identification Number – *Project Number*

ADD THE FOLLOWING DEFINITION:
Lot - *The definition varies throughout the specification. The Engineer reserves the right to define the testing limits.*

ADD THE FOLLOWING DEFINITION:
Approved Products List - *Refers to FDOT's Approved Products List*

END OF SECTION

SECTION 2
PROPOSAL REQUIREMENTS AND CONDITIONS

2-1 Prequalification of Bidders DELETE AND INSERT THE FOLLOWING:

2-1.1 Palm Beach County Engineering & Public Works Department (Department) does not certify contractors. Although FDOT certification is not a requirement, the Department reserves the right to utilize FDOT's listing of pre-qualified contractors in determining a Bidder's eligibility to perform the Work required for this project.

Refer to URL http://www.fdot.gov/contracts/prequal_info/prequalified.shtm for access to pre-qualified FDOT contractors for construction contracts.

2-1.2 If the Bidder is not FDOT certified in the category of LANDSCAPING, the Bidder shall provide with the Bid or within three (3) Business Days of the Department's request the following information regarding similar project(s) performed and completed by the Bidder within the past five years (Similar Projects Information):

Similar Projects Information *(complete the following for each similar project)*

Similar Project Experience	Name	
	Location	
	Total Construction Cost	
	Description	
Client/ Owner	Firm / Agency	
	Contact person	
	Phone number	
	Email	
Bidder's Role (prime/subcontractor):		
Portion of Project Completed by Bidder:		
Construction Cost of Portion of Project Completed by Bidder:		

2-1.3 Additional information that may be requested by the Department may include but not be limited to the following (collectively, Additional Information):

- Supplemental listing of Similar Projects Completed by the Bidder
- FDOT Certification of Current Capacity and Status of Contracts On Hand (Form 525-010-46)
- Detailed information of financial resources of the Bidder

- Listing of equipment owned by the Bidder
- Key personnel resumes with a statement of their work category experience
- A list stating the types of work in which the Bidder can provide backup to show experience, expertise, and competence.
- The aggregate amount of work the Bidder currently has under contract
- Licensure information of the Bidder and personnel
- Any other pertinent information to assist in this qualification review

2-1.4 The Department will review the Similar Projects Information and, if requested, the Additional Information to determine if the Bidder has sufficient experience to perform the Work. Failure to provide the Similar Projects Information, and, where requested, the Additional Information, may cause the Bid to be rejected as non-responsive.

2-1.5 The Department reserves the right to request and require the Similar Projects Information and Additional Information to verify a Bidder's experience and qualifications for the Work, all of which shall be submitted within three (3) Business Days of the Department's request.

2-1.6 A person or affiliate who has been placed on the convicted vendor list following a conviction for a public entity crime may **not** submit the following:

(a) A bid on a contract to provide any goods or services to a public entity.

(b) A bid on a contract with a public entity for the construction or repair of a public building or public Work.

(c) Bids on leases of real property to a public entity.

A person or affiliate who has been placed on the convicted vendor list following a conviction for a public entity may not be awarded or perform Work as a contractor, supplier, subcontractor, or consultant under a contract with any public entity, and may not transact business with any public entity in excess of the threshold amount provided in Section 287.017 F.S., for Category Two. All restrictions apply for a period of 36 months from the date of placement on the convicted vendor list.

2-2 Proposals

2-2.1 Obtaining Proposals DELETE AND INSERT THE FOLLOWING:

Obtain a Proposal under the conditions stipulated in the Advertisement for Bid. The Advertisement states the location and description of the Work to be performed; the estimate of the various quantities (if applicable); the items of work to be performed (if applicable); the Contract Time; the

amount of Proposal Guaranty; and the date, time, and place of the opening of Proposals. The Proposal Form will also include any Special Provisions or other requirements which vary from or are not contained in the Standard Specifications.

The Plans, Specifications and other documents designated in the Advertisement are part of the Proposal, whether attached or not. Do not detach any papers bound with or attached to the Proposal.

ADD THE FOLLOWING SUB-ARTICLE:

2-2.1.1 Filling out Proposal Form (Pay Item Forms)

In filling out Proposal Forms, Bidders shall be governed by the following provisions:

(a) Proposals can be made on the blank Proposal Form provided (Excel file). The blank spaces in the Proposal Form must be filled in, regardless of whether quantities are shown, and no change shall be made either in the phraseology of, or in the items listed in the Proposal Form. It is the Bidder's responsibility to check and verify the accuracy of excel file formulas/extensions. Bidders are reminded that this is a unit price contract, and bid totals will be based on actual unit prices provided (see Section "e" below) regardless of extensions and totals shown.

(b) Each Proposal Form shall specify a unit price, for each of the separate items, as called for.

(c) Any Proposal which does not contain prices set opposite each of the items for which there is a blank space, or any Proposal which shall in any manner fail to conform to the conditions of the published notice will be cause for rejection.

(d) Proposals must be signed in ink by an authorized officer of the firm with the signature in full, and name and title of the officer. Example:

John Doe Contracting Company
By: John Doe, President

(e) In the event of mathematical errors in the extension of units and unit prices, the unit price shall prevail. The "Total Bid" as indicated on the Proposal Forms shall be the summation of the extension of units and unit prices only. Should the Proposal include "Alternate(s)", the total amount that will be considered for the "Alternate(s)" shall also be the summation of the extension of units and unit prices only, with the unit price prevailing.

When "Alternate(s)" are included, the Department reserves the right to award the Contract based on the "Total Bid" with or without the "Alternate(s)", with no recourse to the Contractor.

(f) When a corporation is a Bidder, the person signing shall state under the law of what state the corporation was chartered, and the name and title of the officer having authority under the by-laws to sign Contracts.

(g) Anyone signing the Proposal as agent must submit the Proposal with legal evidence of its agent's authority to do so. Post office address, county and state, must be given after the signature.

(h) Proposals that contain any omission, erasure, alteration, addition or item not called for in the Engineer's estimate, or that show irregularities of any kind, will be considered as informal or irregular. This will be cause for the rejection of the Bid.

DELETE AND INSERT THE FOLLOWING:

2-2.2 Department Modifications to Contract Documents
Modifications to any Contract Documents will be posted at the following URL address:
https://pbcvssp.co.palm-beach.fl.us/webapp/vssp/AltSelfService

The Bidder shall take responsibility for checking and downloading the revised data from the Department's website. If the Department's website cannot be accessed, contact the Palm Beach County Purchasing Department at (561) 616-6800 or email PBCVendor@pbcgov.org.

2-2.3 Internet Bid Submittals DELETE IN ITS ENTIRETY

2-2.4 Hard Copy Bid Submittals DELETE AND INSERT THE FOLLOWING:

Unless otherwise indicated in the Advertisement for Bid, the Contractor shall prepare and submit the Bid as a hard copy submittal to the Department in accordance with the Contract Documents.

Print and submit Bid documents generated from the web site on letter size paper. Ensure that all computer generated sheets are legible. The Department prefers 12 point font size and recommends a minimum of 20 pound paper.

The Department will not be held responsible if the Bidder submits a Bid that is incomplete. Failure to follow proper procedures may cause the Bid to be declared non-responsive, or irregular.

2-5 Preparation of Proposals DELETE AND INSERT THE FOLLOWING:

2-5.1 General

Submit Proposals on the form described in 2-2. Any pay item that will be provided free or at no cost to the Department shall be indicated as "free" or "$00.00". If the pay item is left blank or N/A is used, the Bid may be declared irregular. Show the total of the Bid where called for on the Proposal Forms.

2-5.2 Internet Bid Submittals DELETE IN ITS ENTIRETY.

2-5.3 Hard Copy Bid Submittal DELETE AND INSERT THE FOLLOWING:

If the Proposal is made by an individual, either in the Bidder's own proper person or under a trade or firm name, the Bidder shall execute the Proposal under the Bidder's signature and enter the firm's office street address.

If made by a partnership, execute the Proposal by setting out in full the names of the partners, the firm name of the partnership, if any, have two or more of the general partners sign the Proposal and enter the Bidding firm's office street address.

If made by a corporation, execute the Proposal by setting out in full the corporate name and have the president or other legally authorized corporate officer or agent sign the Proposal, affix the corporate seal and enter the bidding corporation's office street address. If made by a limited liability company, execute the Proposal by setting out the company name, have the manager or authorized member sign the Proposal and enter the bidding company's office address.

If made by a joint venture, execute the Proposal by setting out the joint venture name, have the authorized parties sign the Proposal and enter the bidding office's street address.

2-6 Rejection of Irregular Proposals DELETE AND INSERT THE FOLLOWING:

A Proposal is irregular and the Department may reject it if it shows omissions, alterations of form, additions not specified or required, conditional or unauthorized alternate bids, or irregularities of any kind; or if the unit prices are obviously unbalanced, or if the cost is in excess of or below the reasonable cost analysis values.

ADD THE FOLLOWING SUB ARTICLE AFTER 2-6

2-6.1 Unbalanced Bid Items

Bid items in which the unit prices are not in line with the industry standards or averages for the items may be considered to be unbalanced and rejected.

For a Bid to be balanced, each item must carry its proportionate share of direct cost, overhead and profit. Unbalanced items which are installed and billed at the beginning of a project may lead the bid to be irregular due to front-end loading the Bid.

Bid which are determined by the Department to be unbalanced Bids or which contain unbalanced line item pricing when compared to competitor's Bid's for the same item and standard industry prices, and which significantly deviate from the Department's determination of acceptable line item pricing, may be rejected by the Department.

2-7 Guaranty to Accompany Proposals (Bid Bond) DELETE AND INSERT THE FOLLOWING:

The Department will not consider any Proposal unless accompanied by a Proposal Guaranty of the character and amount indicated in the Advertisement, and unless made payable to the Board of

County Commissioners, Palm Beach County, Florida. Submit the Proposal with the understanding that the successful Bidder shall furnish a Contract Bond pursuant to the requirements of 3-5.

The Bidder's Proposal Guaranty is binding for all projects included in the Contract awarded to the Contractor pursuant to the provisions of this Subarticle.

The bond may be a Certified Check or a Cashier's Check and shall be made payable to the Board of County Commissioners, Palm Beach County, Florida, in the amount of 5% (Five Percent) of the total gross amount of the Bid as a guarantee that the Bidder, if given a letter of intent to award, will within fourteen (14) consecutive Working Days of the date of the letter, enter into a written Contract with the Board of County Commissioners in accordance with the accepted Bid. Certified checks shall be signed by the party whose Bid it accompanies.

2-8 Delivery of Proposals

2-8.1 Internet Bid Submittals DELETE IN ITS ENTIRETY

2-8.2 Hard Copy Bid Submittals DELETE AND INSERT THE FOLLOWING:

Submit all Bids in sealed envelopes bearing on the outside the name of the Bidder, the Bidder's address, date of opening, and in large letters, the words:

CONSTRUCTION OF: ANNUAL ROADWAY LANDSCAPING CONTRACT

for which the Bidder submitted the Bid.

For Proposals that are submitted by mail, enclose the Proposal in a sealed envelope, marked as directed above. Enclose the sealed envelope in a second outer envelope addressed to the Department, at the place designated in the Advertisement. For a Proposal that is not submitted by mail, deliver it to the Department, or to the place as designated in the Advertisement. The Department will return Proposals received after the time set for opening Bids to the Bidder unopened.

A Bidder may withdraw a Proposal at any time prior to that fixed for opening Bids without prejudice to him/herself.

2-9 Withdrawal or Revision of Proposals

2-9.1 Internet Bid Submittals DELETE IN ITS ENTIRETY.

2-9.2 Hard Copy Bid Submittals DELETE AND INSERT THE FOLLOWING:

A Bidder may withdraw or revise a Proposal after submitting it, provided the Department receives a written request to withdraw or revise the Proposal prior to the time set for opening of Bids. The resubmission of any Proposal withdrawn under this provision is subject to the provisions of 2-8.

END OF SECTION

SECTION 3
AWARD AND EXECUTION OF CONTRACT

3-2 Award of Contract

3-2.1 General DELETE AND INSERT THE FOLLOWING:

If the Department decides to award the Contract, the Department will award the Contract to the lowest responsible, responsive Bidder whose Proposal complies with all the Contract Document requirements. If awarded, the Department will award the Contract within one hundred eighty (180) days after the opening of the Proposals, unless the Special Provisions change this time limit or the Bidder and the Department extend the time period by mutual consent.

The Notice to Proceed (see 8-3.3) shall be issued within one hundred twenty (120) Calendar Days of the award of Contract, unless otherwise mutually agreed by the Contractor and the Department.

For the purpose of award, the low Bid shall be the lowest amount bid for the "Total Bid", and if any alternates are considered, it shall be the "Total Bid" plus the addition for the alternate or alternates which the Department may select. In no case will any award be made until all necessary investigations are made into the responsibility of the lowest Bidder.

Prior to award of the Contract by the Department, the Bidder must provide proof of authorization to do business in the State of Florida.

3-5 Contract Bond Required

3-5.1 General Requirements for All Bonds DELETE AND INSERT THE FOLLOWING:

Under no circumstances shall the Contractor begin Work until it has supplied the Department with a Contract Bond. Upon award, furnish to the Department, and maintain in effect throughout the life of the Contract, an acceptable Contract Bond. Obtain the Contract Bond from a Surety licensed to conduct business in the State of Florida, meeting all of the requirements of the laws of Florida and the regulations of the Department, and having the Department's approval. The Penal Sum of the Contract Bond shall automatically increase as the Contract Amount increases; provided, however, that any increase of more than 20% from the initial Penal Sum, requires the Surety's written consent. Ensure that the Surety's Florida Licensed Insurance Agent's name, address, and telephone number is clearly stated on the Contract Bond form.

To insure the faithful performance of each and every condition, any stipulation and requirement of the Contract Documents and to indemnify and save harmless the Department from any and all

damages, either directly or indirectly, arising out of any failure to perform same, the Contractor shall furnish to the Department, the Contract Bond on forms attached hereto.

3-5.1.1 Work Order For Less Than $200,000

For each Work Order in an amount less than $200,000, furnish to the Department and maintain in effect throughout the duration of the Work Order,a Surety Bond in the amount of $50,000, as security for faithful performance of Work Order(s) and for the payment of all persons performing labor and furnishing Materials in connection therewith. In the event that the amount of a proposed Work exceeds the amount of the Surety Bond, furnish additional Surety Bond, in increments of $50,000, so that the total amount of the Surety Bond(s) exceeds the amount of all Work Orders.

3-5.1.2 Work Order For $200,000 or More

For each Work Order in the amount of $200,000 or more, furnish to the Department and maintain in effect throughout the duration of the Work Order, an acceptable Surety Bond in an amount at least equal to the amount of the total Work Order, as security for faithful performance and for the payment of all persons performing labor, and furnishing Materials in connection therewith.

ADD THE FOLLOWING SUB-ARTICLE:

3-6 Execution of Contract and Contract Bond DELETE AND INSERT THE FOLLOWING:

The Contractor shall execute the Contract and provide satisfactory Contract Bond and documentation evidencing all insurance required per Section 7-13 (Insurance) to the Department within fourteen (14) Working Days of the date of the Letter of Intent to Award.

Per Section 8-1, Contractor shall perform not less than 40% of the total Contract with its own organization. Therefore, Contractor shall submit with the Contract Documents a detailed breakdown (in dollars and percentage) of how the total Contract amount is proposed to be distributed. The breakdown shall show all relevant information for the Contractor and all sub-contractors.

3-6.1 Recording of Contract Bond

Before commencing the Work, Contractor shall provide to the Department a certified copy of the recorded Contract Bond(s). Department may not make any payment to Contractor until Contractor has complied with this requirement.

3-7 Failure by Contractor to Execute Contract and Furnish Bond DELETE AND INSERT THE FOLLOWING:

In the event that the Contractor fails to execute the Contract and to furnish an acceptable Contract Bond, as prescribed in 3-5 and 3-6, within fourteen (14) Working Days of Intent to Award, the Department may cause the Contractor to forfeit the Proposal Guaranty to the Department not as a penalty but as liquidation of damages sustained. The Department may then award the Contract to

the next lowest responsive, responsible Bidder, re-advertise, or accomplish the Work using alternate resources.

3-8 Audit of Contractor's Records DELETE AND INSERT THE FOLLOWING:

Upon execution of the Contract, the Department reserves the right to conduct an audit of the Contractor's records pertaining to the project. The Department or its representatives may conduct an audit, or audits, at any time prior to final payment, or thereafter pursuant to 5-13. The Department may also require submittal of the records from either the Contractor or any subcontractor or material supplier. As the Department deems necessary, records include all books of account, supporting documents, and papers pertaining to the cost of performance of the Work. Retain all records pertaining to the Contract for a period of not less than four years from the date of the Engineer's final acceptance of the project, unless a longer minimum period is otherwise specified. Upon request, make all such records available to the Department or its representative(s). For the purpose of this Article, records include but are not limited to all books of account, supporting documents, and papers that the Department deems necessary to ensure compliance with the provisions of the Contract Documents. If the Contractor fails to comply with these requirements, the Department may disqualify or suspend the Contractor from bidding on or working as a subcontractor on future Contracts. Ensure that the subcontractors provide access to their records pertaining to the project upon request by the Department. Comply with Section 20.055(5), Florida Statutes, and incorporate in all subcontracts the obligation to comply with Section 20.055(5), Florida Statutes.

END OF SECTION

SECTION 4
SCOPE OF THE WORK

4-1 Intent of Contract DELETE AND INSERT THE FOLLOWING:

The intent of the Contract is to provide for the construction and completion in every detail of the Work described in the Contract. Furnish all labor, Materials, Equipment, tools, transportation and supplies required to complete the Work in accordance with the Contract Documents.

All of the Work involved in this project shall conform to the construction Plans and Specifications and shall be completed in a workmanlike manner. All debris is to be removed within the time specified in the Contract.

4-3 Alteration of Plans or of Character of Work

4-3.1 General DELETE AND INSERT THE FOLLOWING:

The Engineer reserves the right to make, at any time prior to or during the progress of the Work, such increases or decreases in quantities and such alterations in the details of construction as may

be found necessary or desirable by the Engineer. Such increases, decreases or alterations shall not constitute a breach of Contract, shall not invalidate the Contract, nor release the Surety from any liability arising out of this Contract or the Contract Bond. The Contractor agrees to perform the Work, as altered, the same as if it had been a part of the original Contract.

4-3.9 Cost Savings Initiative Proposal DELETE IN ITS ENTIRETY.

4-4 Unforeseeable Work DELETE AND INSERT THE FOLLOWING:

When the Department requires Work that is not covered by a price in the Contract, and the Department finds that such Work is essential to the satisfactory completion of the Contract within its intended scope, the Department will make an adjustment to the Contract. The Engineer will determine the basis of payment for such an adjustment in a fair and equitable amount.

END OF SECTION

SECTION 5
CONTROL OF THE WORK

5-1 Plans and Working Drawings

5-1.1 Contract Documents DELETE AND INSERT THE FOLLOWING:

The Contractor will be furnished five (5) copies of the Plans and Specifications at the Pre-Construction Meeting. Additional copies may be purchased from the Department, at a total cost of **$25** per set of Plans and Contract Documents.

The Contractor shall have Contract Documents available on the job site at all times.

5-1.4.5 Submittal Paths and Copies

5-2 Coordination of Contract Documents DELETE AND INSERT THE FOLLOWING:

These Specifications, the Plans, Special Provisions, and all supplementary documents are integral parts of the Contract; a requirement occurring in one is as binding as though occurring in all. All parts of the Contract are complementary and describe and provide for a complete Work.

When not stipulated as being covered under other pay items, pay items will include:

- the Work and Materials specified in the Specifications
- additional, incidental Work, not specifically mentioned,
    - when so shown in the Plans
    - if indicated, or obvious and apparent, as being necessary for the proper completion of the Work

In cases of discrepancy, the governing order of the documents is as follows:

1. Proposal (i.e. pay items, Bid items)
2. Special Provisions
3. Technical Special Provisions
4. Plans
5. Design Standards
6. Supplemental Specifications
7. General Provisions
8. Standard Specifications

Computed dimensions govern over scaled dimensions.

5-7 Engineering and Layout

5-7.1 Control Points Furnished by the Department ADD THE FOLLOWING AT THE END OF THIS ARTICLE:

Should reference points or benchmarks fall within construction limits, the Contractor shall notify the Engineer for survey coordination, and establish new reference points or benchmarks in locations that will not be affected by the construction and preserved upon completion of construction.

The Contractor shall have a licensed surveyor verify the accuracy of the survey data prior to proceeding with Work.

5-7.3 Layout of Work DELETE AND INSERT THE FOLLOWING:

Utilizing the control points furnished by the Department in accordance with 5-7.1, the Contractor shall have a licensed surveyor verify the accuracy of the survey data prior to proceeding with Work, and establish all horizontal and vertical controls necessary to construct the Work in conformity to the Contract Documents. Perform all calculations required, and set all stakes needed such as grade stakes, offset stakes, reference point stakes, slope stakes, and other reference marks or points necessary to provide lines and grades for construction of all Roadway, Bridge, and miscellaneous items.

When performing utility construction as part of the project, establish all horizontal and vertical controls necessary to carry out such Work.

5-10-Inspections

5-10.2 Inspection for Acceptance DELETE AND INSERT THE FOLLOWING:

Upon notification that all Contract Work, or all Contract Work on the portion of the Contract scheduled for acceptance, has been completed, the Engineer will make an inspection for acceptance. The inspection will be made within seven days of the notification. If the Engineer finds that all Work has been satisfactorily completed, the Department will consider such inspection as the final inspection. If any or all of the Work is found to be unsatisfactory, the Engineer will detail in writing the remedial Work required to achieve acceptance. The Contract Time shall be

suspended to allow the Contractor time to complete the remedial Work in accordance with the following schedule; with the suspension commencing upon the date of the written notification by the Department:

Contract Amount	Contract Time Suspension
≤$5,000,000	30 Days
>$5,000,000≤$10,000,000	45 Days
>$10,000,000	60 Days

If all Work is not completed by the Contractor and accepted by the Engineer during the Contract Time Suspension, the Contract Time shall resume and, after any remaining Contract Time is expended, Liquidated Damages shall be assessed until all Work is accepted by the Engineer.

Upon satisfactory completion of the Work, the Department will provide written notice of acceptance, either partial or final, to the Contractor.

Until final acceptance in accordance with 5-11, replace or repair any damage to the accepted Work at no additional cost to the Department and as provided in 7-14.

5-12 Claims by Contractor

5-12.2 Notice of Claim

5-12.2.1 Claims for Extra Work DELETE IN ITS ENTIRETY

5-12.3 Content of Written Claim DELETE ITEM (5) IN ITS ENTIRETY

5-12.5 Pre-Settlement and Pre-Judgment Interest DELETE IN ITS ENTIRETY

5-12.6 Compensation for Extra Work or Delay DELETE IN ITS ENTIRETY

END OF SECTION

SECTION 6
CONTROL OF MATERIALS

6-1 Acceptance Criteria

ADD THE FOLLOWING SUB ARTICLE:
6-1.2.5

All Materials that are subjected to tests by samples or otherwise, shall be compensated for as follows:

(a) All tests made that indicate failures to meet the design criteria shall be paid for by the Contractor.

(b) All tests made that indicate passing of the design criteria and approved as such by the Engineer, shall be paid for by the Owner or Palm Beach County.

6-5.2 Source of Supply-Steel REPLACE TITLE OF ARTICLE WITH THE FOLLOWING:

Source of Supply-Steel (For Federal Aid Contracts only)

6-6 Warranty INSERT NEW SUB-ARTICLE 6-6 "WARRANTY" AT THE END OF SECTION 6:

The Contractor warrants to the Owner and Engineer that all Materials and Equipment furnished under this Contract will be new unless otherwise specified and that all Work will be of good quality, free from faults and defects and in conformance with Contract Documents. All Work not so conforming to these requirements may be considered defective. If required by the Engineer, the Contractor shall furnish satisfactory evidence as to the kind and quality of Materials and Equipment. All Work shall be warranted and guaranteed unconditionally for a period of one (1) year after the letter of final acceptance.

END OF SECTION

SECTION 7
LEGAL REQUIREMENTS
AND RESPONSIBILITY TO THE PUBLIC

7-1.9 Florida Minority Business Loan Mobilization Program DELETE IN ITS ENTIRETY.

7-2 Permits and Licenses

7-2.1 General DELETE AND INSERT THE FOLLOWING:

Except for permits procured by the Department, if any, procure all permits and licenses, pay all charges and fees, and give all notices necessary and incidental to the due and lawful prosecution of the Work.

It shall be the Contractor's responsibility to become familiar with all local governmental codes, ordinances, and laws governing, associated with, or pertaining to the prosecution and completion of the Work. Any costs involved in procuring permits and licenses, complying with local codes, ordinances or laws, or giving notices shall be incidental to the project and paid by the contractor.

The Department will also acquire any modifications or revisions to an original permit when the Contractor requires such modifications or revisions to complete the construction operations specified in the Plans or Special Provisions and within the Right-of-Way limits.

Acquire all permits for Work performed outside the Right-of-Way or easements for the project. Acquire permits required by municipality or public agency, including but not limited to tree removal and dewatering permits. The permitting time shall be included in the Proposal and Work progress schedule. The Contractor shall also be responsible for completing appropriate certifications by a Professional Engineer, certified in the State of Florida, as outlined on PER-1.

In carrying out the Work in the Contract, when under the jurisdiction of any environmental regulatory agency, comply with all regulations issued by such agencies and with all general, special, and particular conditions relating to construction activities of all permits issued to the Department as though such conditions were issued to the Contractor. Post all permit placards in a protected location at the worksite.

In case of a discrepancy between any permit condition and other Contract Documents, the more stringent condition shall prevail.

7-11.3 Contractors' Use of Streets and Roads

7-11.3.2 On the State Highway System DELETE AND INSERT THE FOLLOWING:

When hauling Materials or Equipment to the project over roads and bridges on the State Highway System and such use causes damage, immediately, at no expense to the Department, repair such Road or Bridge to as good a condition as before the hauling began.

7-11.5 Utilities.

7-11.5.1 Arrangements for Protection or Adjustment DELETE AND INSERT THE FOLLOWING:

Unless otherwise specified, all references to utility Work, conflicts, relocation, coordination, adjustments, permits, utility pay items, and similar references shall be considered separate and distinct from Roadway and Bridge items and shall pertain to all utilities including Palm Beach County Water Utilities Department (PBCWUD) and Palm Beach County Traffic Division. The Contractor shall be responsible to be familiar with and assure that all utility related Work be performed in accordance with each respective utility department's minimum engineering and construction standards.

Sufficient time has been allotted in the Contract time for the Contractor to coordinate the installation and relocation, if necessary, of all utilities.

The Contractor shall be responsible to ascertain the exact location of all utilities prior to construction regardless of information which may be indicated on the drawings. Utilities shall be located and marked in the field.

The Contractor shall be responsible to verify if "other" utilities (not shown in the Plans) exist within the area of construction. Should there be utility conflicts, the Contractor shall inform the Engineer and notify the respective utility owners to resolve utility conflicts and utility adjustments, as required.

The Contractor shall plan his Work and conduct his construction operations in cooperation with the various utility companies. The Contractor shall use extreme caution where construction is performed in proximity to utilities, and the Engineer and the respective utility owner shall be notified when any Work may conflict with the utilities.

The Contractor shall make all necessary arrangements with the Utility Companies concerned for the maintenance of their lines during the construction period. In the event that complete relocation of utilities has not been accomplished prior to the effective date of the "Notice to Proceed", the Contractor nevertheless shall commence to Work under this Contract and schedule his Work to avoid interference with the utility relocation Work. The Department will not be liable for any damage to any utilities due to any action by the Contractor.

7-12 Responsibility for Damages, Claims, etc.

7-12.1 Contractor to Provide Indemnification DELETE AND INSERT THE FOLLOWING:

The Contractor shall protect, indemnify, defend, reimburse, save, and hold harmless the Department and all of its officers, agents, and employees from and against all suits, actions, claims, demands, liability, expense, loss, cost or causes of action of any kind or character, including attorney's fees and costs, whether at trial or appellate levels or otherwise, arising out of, because of, during, or due to the acts or omissions commission of the Contractor, its officers, agents, or employees or as a result of their performance of the terms of the Contract. In the performance of the Contract, neither the contractor/consultant, nor any of its officers, agents, or employees will be liable under this section for damages arising out of injury or damage to persons or property directly caused or resulting from the sole negligence of the Department or any of its officers, agents, or employees.

The Contractor shall include the provision in any and all agreements with subcontractors executed in connection with this Contract.

Unless otherwise noted herein, no provision of this Contract is intended to, or shall be construed to, create any third party beneficiary or to provide any rights to any person or entity not a party to this Contract, including but not limited to any citizen or employees of the Contractor.

7-13 Insurance DELETE AND INSERT THE FOLLOWING:

7-13.1 General

Unless otherwise specified in this Contract, or approved by the Department, the Contractor shall, at its sole expense, maintain in full force and effect at all times during the Contract and the performance of Work, including the warranty period, insurance coverage with limits, including endorsements, not less than those set forth in the Insurance Coverage and Limit Table below and with insurers and under forms of policies acceptable to the Department. Contractor shall furnish to the Department Certificate(s) of insurance evidencing that such policies are in full force and effect, not later than fourteen (14) Calendar Days of the date of the letter of Intent to Award, but

in any event, prior to execution of the Contract by the Department and prior to commencement of Work. Such certificate(s) shall adhere in every respect to the conditions set forth herein.

The requirements contained herein as to types and limits, as well as the Department's approval of insurance coverage to be maintained by Contractor, are not intended to and shall not in any manner limit or qualify the liabilities and obligations assumed by Contractor under the Contract.

7-13.1.1 Commercial General Liability Insurance

Furnish and maintain a standard Insurance Service Office (ISO) version Commercial General Liability policy form, or its equivalent providing coverage for, but not be limited to, Bodily Injury and Property Damage, Premises/Operations, Personal Injury, Products/Completed Operations, Independent Contractors, Contractual Liability, Broad Form Property Damage, X-C-U (X = Explosion; C = Collapse; U = Underground) Coverages (if applicable), Severability of Interest including Cross Liability, and be in accordance with all of the limits, terms and conditions set forth herein. Contractor agrees this coverage shall be provided on a primary basis.

7-13.1.2 Business Automobile Liability Insurance

Furnish and maintain a standard ISO version Business Automobile Liability coverage form, or its equivalent, providing coverage for all owned, non-owned and hired automobiles, and in accordance with all of the limits, terms and conditions set forth herein. Contractor agrees this coverage shall be provided on a primary basis. Notwithstanding the foregoing, should the Contractor not own any automobiles, the business auto liability requirement shall be amended to allow the Contractor to agree to maintain only Hired & Non-Owned Auto Liability. This amended coverage requirement may be satisfied by way of endorsement to the Commercial General Liability, or separate Business Auto Coverage form.

7-13.1.3 Workers' Compensation and Employer's Liability Insurance

Furnish and maintain Workers' Compensation Insurance and Employer's Liability, including Federal Act endorsement for U.S. Longshore and Harbor Workers' Compensation Act when any Work is on or contiguous to navigable bodies of U.S. waterways and ways adjoining, covering all of its employees on the Work site. This coverage shall be in accordance with all of the limits, terms and conditions set forth herein. Exemptions for a Contractor in or doing Work in the Construction Industry, or proof of Workers' Compensation coverage provided by an employee leasing arrangement shall not satisfy this requirement.

If any Work is sublet Contractor shall require all subcontractors to similarly comply with this requirement unless such subcontractors' employees are covered by Contractor's Workers' Compensation insurance policy. Contractor agrees this coverage shall be provided on a primary basis. Contractor shall defend, indemnify and save the Department harmless from any damages resulting to them for failure of Contractor to take out or maintain such insurance.

7-13.1.4 Additional Required Insurance

Furnish and maintain the following additional required insurance coverages with respect to any Work involving property, operations, or type of Equipment for which each insurance coverage described below has been designed specifically to provide coverage for when Work involves.

7-13.1.4.1 Railroad Protective Liability Insurance

With respect to any of the Work involving construction of a railroad grade crossing, overpass or underpass structure, or a railroad crossing signal installation, or any other Work or operations by the Contractor within the limits of the railroad right of way, including any encroachments thereon from Work or operations within the vicinity of the railroad right of way the Contractor shall furnish to the Department for transmittal to the railroad company, an original insurance policy which, with respect to the operations the Contractor or any of its subcontractors perform, will provide for and in behalf of the railroad company, Railroad Protective Liability Coverage. Coverage shall be in accordance with all of the limits, terms and conditions set forth herein and conform with the requirements of the U.S. Department of Transportation, Federal Highway Administration, Federal-Aid Program Manual, Volume 6, Chapter 6, Section 2, Subsection 2, Transmittal 350, dated October 1, 1982, and any supplements or revisions. Contractor agrees this coverage shall be provided on a primary basis.

7-13.1.4.2 Watercraft Liability Insurance

With respect to any of the Work hereunder involving watercraft owned, hired, or borrowed, the Contractor shall furnish and maintain Protection and Indemnity, or similar Watercraft Liability. Coverage shall be included either by way of endorsement under the Commercial General Liability or by separate watercraft liability insurance and be in accordance with all of the limits, terms and conditions set forth herein. Contractor agrees this coverage shall be provided on a primary basis.

7-13.1.4.3 Aircraft Liability Insurance

With respect to any of the Work involving including fixed wing or helicopter aircraft, aircraft owned, hired, or borrowed, including the Contractor shall furnish and maintain Aircraft Liability. Passenger Liability shall be included when persons other than the pilot and crew are occupying the aircraft. Coverage shall be in accordance with all of the limits, terms and conditions set forth herein. Contractor agrees this coverage shall be provided on a primary basis.

7-13.2 Utility Owners Protective Liability Insurance

When the Work under the Contract involves the installation of attachments to joint-use utility poles, the Contractor shall furnish evidence to the Department that, with respect to the operations the Contractor performs, his Commercial General Liability is endorsed with a Broad Form Contractual Endorsement covering the below indemnification or the Department and Utility Company are to be an Additional Named Insured on the policy.

The Contractor hereby agrees to indemnify, defend, save and hold harmless the Department and any owner of Equipment attached to or supported by a jointly used pole from all claims, liabilities and suits whether or not due to or caused by negligence of the Department or joint pole Equipment owners for bodily injury or death to person(s) or damage to property resulting in connection with the performance of the described Work by Contractor, its subcontractors, agents or employees.

7-13.3 Satisfying Limits Under an Umbrella Policy

If necessary, the Contractor may satisfy the minimum limits required above for either Commercial General Liability, Business Auto Liability, and Employer's Liability coverage under an Umbrella or Excess Liability. The underlying limits may be set at the minimum amounts required by the Umbrella or Excess Liability provided the combined limits meet at least the minimum limit for each required policy. The Umbrella or Excess Liability shall have an Annual Aggregate at a limit not less than two (2) times the highest per occurrence minimum limit required above for any of the required coverages. The Department and any other applicable entities shall be specifically endorsed as an "Additional Insured" on the Umbrella or Excess Liability, unless the Umbrella or Excess Liability provides continuous coverage to the underlying policies on a complete Follow-Form basis without exceptions and stated as such on the Certificate of Insurance.

7-13.4 Additional Insured

The Contractor agrees to endorse the Department and any other required entity as an Additional Insured on each insurance policy required to be maintained by the Contractor, except for Workers' Compensation and Business Auto Liability. The CG 2026 Additional Insured - Designated Person or Organization endorsement, or its equivalent, shall be endorsed to the Commercial General Liability. Other policies, when required, such as for watercraft, aircraft, and utility owners protective, shall provide a standard Additional Insured endorsement offered by the insurer providing coverage with respect to liability arising out of the operations of the Contractor. The endorsement shall read "Palm Beach County Board of County Commissioners". The Contractor shall agree that the Additional Insured endorsements provide coverage on a primary basis. Endorsement shall be in accordance with all of the limits, terms and conditions set forth herein.

7-13.5 Additional Requirements

7-13.5.1 Waiver of Subrogation

The Contractor agrees, by entering into this Contract, to a Waiver of Subrogation for each required policy providing coverage during the Contract. When required by the insurer or should a policy condition not permit an Insured to enter into a pre-loss agreement to waive subrogation without an endorsement, then the Contractor shall agree to notify the insurer and request the policy be endorsed with a Waiver of Transfer of Rights of Recovery Against Others, or its equivalent. This Waiver of Subrogation requirement shall not apply to any policy, which a condition to the policy specifically prohibits such an endorsement, or voids coverage should the insured enter into such an agreement on a pre-loss basis. The Waiver of Subrogation shall be in accordance with all of the limits, terms and conditions set forth herein.

7-13.5.2 Right to Review & Adjust

The Contractor shall agree, notwithstanding the foregoing, that the Department, by and through its Risk Management Department, in cooperation with the Department, reserves the right to periodically review, reject or accept all required policies of insurance, including limits, coverages, or endorsements, hereunder from time to time throughout the life of this Contract. Furthermore, the Department reserves the right to review and reject any insurer providing coverage because of poor financial condition or because it is not operating legally. In such event, the Department shall provide Contractor written notice of such adjusted limits and Contractor shall agree to comply within thirty (30) days of receipt thereof and to be responsible for any premium revisions as a result of any such reasonable adjustment.

7-13.5.3 No Representation of Coverage Adequacy

The coverages and limits identified in the table have been determined to protect primarily interests of the Department only, and the Contractor agrees in no way should the coverages and limits in the table be relied upon when assessing the extent or determining appropriate types and limits of coverage to protect the Contractor against any loss exposures, whether as a result of the construction project or otherwise.

7-13.5.4 Certificate of Insurance

Certificates of Insurance must provide clear evidence that Contractor's Insurance Policies contain the minimum limits of coverage, cancellation notice, and terms and conditions set forth herein.

In the event the Department is notified that a required insurance coverage will be cancelled or non-renewed during the period of this Contract, the Contractor shall furnish prior to the expiration of such insurance, an additional certificate of insurance as proof that equal and like coverage for the balance of the period of the Contract and any extension thereof is in effect. Contractor shall not continue to Work pursuant to this Contract unless all required insurance remains in effect.

The Department shall have the right, but not the obligation, of prohibiting Contractor or any subcontractor from entering the project site until such certificates or other evidence that insurance has been placed in complete compliance with these requirements is received and accepted by the Department.

The Department Reserves The Right To Withhold Payment, But Not The Obligation, To Contractor Until Coverage Is Reinstated. If The Contractor Fails To Maintain The Insurance As Set Forth Herein, The Department Shall Have The Right, But Not The Obligation, To Purchase Said Insurance At Contractor's Expense.

7-13.5.4.1 Additional Requirements for Certificates of Insurance

1. Shall clearly identify Palm Beach County, a political subdivision of the State of Florida, its

officers, agents and employees as Additional Insured for all required insurance coverages, except Workers' Compensation and Business Auto Liability.

2. Shall clearly indicate project name and project number to which it applies.

3. Shall clearly indicate a notification requirement in the event of cancellation or non-renewal of coverage.

2. Evidence of renewal coverage or reinstatement of cancelled coverage must be provided in advance of any policy that may expire during the term of this Contract. Failure to provide such certificate shall result in automatic stoppage of the Work until such time as the renewal certificate is supplied.

3. Within forty-eight (48) hours of a request by the Department, and subsequently, prior to expiration of any of the required coverage throughout the term of this Contract, the Contractor shall deliver to the Department at the address below, unless otherwise directed by the Department, a signed Certificate(s) of Insurance, evidencing that all types and amounts of insurance coverage required by this Contract have been obtained and are in full force and effect. Said Certificate(s) of Insurance shall, to the extent allowable by the insurer, include a minimum thirty (30) days' endeavor to notify due to cancellation (10 days for nonpayment of premium) or non-renewal of coverage. The Certificate Holder shall read:

Palm Beach County Board of County Commissioners
c/o Engineering Department / Roadway Production Division
2300 N. Jog Road
Third Floor, West Wing
West Palm Beach, FL 33411

4. The Certificates of Insurance must be completed in the original and signed and returned to the Department along with Contracts and Sureties.

7-13.5.5 Deductibles, Coinsurance Penalties, & Self-Insured Retention

The Contractor shall be fully and solely responsible for any costs or expenses as a result of a coverage deductible, coinsurance penalty, or self-insured retention; including any loss not covered because of the operation of such deductible, coinsurance penalty, or self-insured retention.

7-13.5.6 Subcontractor's Insurance

The Contractor shall agree to cause each subcontractor employed by Contractor to purchase and maintain insurance of the type specified herein, unless the Contractor's insurance provides coverage on behalf of the subcontractor. When requested by the Department, the Contractor shall agree to obtain and furnish copies of certificates of insurance evidencing coverage for each subcontractor.

7-13.5.7 Insurance Coverage and Limit Table

The Contractor shall agree to maintain the coverage, endorsements, and limits of liability in accordance with and set forth by the Insurance Coverage & Limit Table as follows:

INSURANCE COVERAGE & LIMIT TABLE		
TYPE OF COVERAGE	**CONTRACTS LESS THAN $500,000**	**CONTRACTS $500,000 OR MORE**
COMMERCIAL GENERAL LIABILITY:		
Limit of Liability not less than:	$500,000 per occurrence	$1,000,000 per occurrence
Additional Insured endorsement required:		
General Aggregate Limit must apply Per Project	Yes	Yes
COMPREHENSIVE AUTO LIABILITY:		
Limit of Liability not less than:	$500,000 per occurrence	$1,000,000 per occurrence
WORKERS' COMPENSATION & EMPLOYER'S LIABILITY:		
Coverage not less than:	Statutory	
Employer's Liability Limits not less than:	$100,000/500,000/100,000	
WATERCRAFT LIABILITY:		
Limit of Liability not less than:	$1,000,000 per occurrence	
Additional Insured endorsement required:	Yes	
AIRCRAFT LIABILITY:		
Limit of Liability not less than:	$5,000,000 per occurrence	
When used to carry passengers (excluding aircrafts crew) coverage for Passenger Liability not less than:	$1,000,000 per passenger	
Additional Insured endorsement required:	Yes	
RAILROAD PROTECTIVE LIABILITY:		
Limit of Liability not less than:	$2,000,000 per occurrence $6,000,000 aggregate	
Additional Insured endorsement required:		
General Aggregate Limit must apply Per Project	Yes	
UTILITY OWNERS PROTECTIVE LIABILITY:		
Limit of Liability not less than:	$1,000,000 per occurrence	
Additional Insured endorsement required:	Yes	

7-14 Contractor's Responsibility for Work ADD THE FOLLOWING AT THE END OF THIS ARTICLE:

In addition to the above, the Contractor will not be held responsible for damage to any landscape items caused by an officially declared hurricane which occurs after the final acceptance of the entire Work (as specified in 580), but during any remaining portion of the 90-day establishment period.

7-16 Wage Rates for Federal-Aid Projects DELETE AND INSERT THE FOLLOWING:

For all projects that include Federal-aid participation, the Contract Documents contain requirements with regard to payment of predetermined minimum wages. Predetermined Wage Rate Decisions (U.S. Department of Labor provided Wage Rate Tables) exist for Heavy, Highway, and Building Construction Projects.

END OF SECTION

SECTION 8
PROSECUTION AND PROGRESS

8-3 Prosecution of Work

8-3.2 Submission of Working Schedule DELETE AND INSERT THE FOLLOWING:

Provide a schedule that shows the various activities of Work in sufficient detail to demonstrate a reasonable and workable plan to complete the project within the Contract Time. Show the order and interdependence of activities and the sequence for accomplishing the Work. Describe all activities in sufficient detail so that the Engineer can readily identify the Work and measure the progress on each activity. Show each activity with a beginning Work date, a duration, and a monetary value. Include activities for procurement fabrication, and deliver of Materials, plant, and Equipment, and review time for shop drawings and submittals. Include milestone activities when milestones are required by the Contract Documents. In a project with more than one phase, adequately identify each phase and its completion date, and do not allow activities to span more than one phase.

The Engineer will return inadequate schedules to the Contractor for corrections. Resubmit a corrected schedule within 15 Calendar Days from the date of the Engineer's return transmittal.

Submit an updated Work Progress Schedule, for Engineer's acceptance, if there is a significant change in the planned order or duration of an activity. The Engineer will review the updated schedule and respond within 7 Calendar Days of receipt.

By acceptance of the schedule, the Engineer does not endorse or otherwise certify the validity or accuracy of the activity durations or sequencing of activities. The Engineer will use the accepted schedule as the baseline against which to measure the progress.

If the Contractor fails to submit either the corrected or an updated schedule in the time specified, the Engineer will withhold all Contract payments until the Engineer accepts the schedule.

8-3.5 Preconstruction Conference DELETE AND INSERT THE FOLLOWING:

After the award of Contract and prior to issuance of the Notice to Proceed a Pre-Construction Conference will be held between the Contractor, representative of the County Engineer's Office, representative of other municipalities concerned, utility companies, other Contractors affected by the Work and any other persons designated by the County Engineer's Office to have a material interest in the Work. The time and place of this conference will be set by the County Engineer's Office. The Contractor shall bring with him to this conference a copy of his proposed Work schedule for the job.

8-6 Temporary Suspension of Contractor's Operations

8-6.1 Authority to Suspend Contractor's Operations ADD THE FOLLOWING TO THE END OF THIS ARTICLE:

In particular, the Engineer reserves the right to suspend Work on the project from December 15th to December 23, inclusive. The Engineer will give a minimum of thirty (30) Calendar Days notice of suspension. Prior to carrying out any Work on the project during the period of suspension, the Contractor shall obtain written approval from the Engineer.

8-6.1.1 State of Emergency DELETE AND INSERT THE FOLLOWING:

The Engineer has the authority to suspend the Contractor's operations, wholly or in part, pursuant to a Governor's Declaration of a State of Emergency. The Engineer will order such suspension in writing, giving in detail the reasons for the suspension. Contract Time will be charged during all suspensions of Contractor's operations. The Department, at its sole discretion, may grant an extension of Contract Time and reimburse the Contractor for specific costs associated with such suspension.

8-6.4 Suspension of Contractor's Operations-Holidays DELETE AND INSERT THE FOLLOWING:

Unless the Contractor submits a written request to Work on a Holiday at least ten Calendar Days in advance of the requested date and receives written approval from the Engineer, the Contractor shall not Work on the following days: Martin Luther King, Jr. Day; Memorial Day; the Saturday and Sunday immediately preceding Memorial Day; Independence Day; Labor Day; the Friday, Saturday, and Sunday immediately preceding Labor Day; Veterans Day; Thanksgiving Day; the Friday, Saturday and Sunday immediately following Thanksgiving Day; and December 24 through January 2, inclusive.

Contract Time will be charged during these Holiday periods regardless of whether the Contractor's operations have been suspended. Contract Time will be adjusted in accordance with 8-7.3.2. The Contractor is not entitled to any additional compensation beyond any allowed Contract Time adjustment for suspension of operations during such Holiday periods.

The Contractor will be allowed additional Contract Time for each Working Day included in the Engineer directed suspension of Work between December 15th and December 23rd.During such suspensions, remove all Equipment and Materials from the clear zone, except those required for the safety of the traveling public and retain sufficient personnel at the job site to properly meet the requirements of Sections 102 and 104. The Contractor is not entitled to any additional compensation for removal of Equipment from clear zones or for compliance with Section 102 and Section 104 during such Holiday periods.

8-7 Computation of Contract Time

8-7.2 Date of Beginning of Contract Time DELETE AND INSERT THE FOLLOWING:

The date on which Contract Time begins is the date stated in the Notice to Proceed.

8-8 Failure of Contractor to Maintain Satisfactory Progress

8-8.1 General: Pursue the Work to Completion DELETE AND INSERT THE FOLLOWING:

Satisfactory progress is an essential element of the Contract and, as Delay in the prosecution of the Work will inconvenience the public, obstruct traffic, and interfere with business, it is important that the Work be pressed vigorously to completion. Moreover, the cost to the Department for the administration of the Contract, including engineering, inspection, and supervision, will be increased as the construction period is lengthened.

8-8.2 Regulations Governing Suspension for Delinquency DELETE AND INSERT THE FOLLOWING:

(a) A Contractor may be declared delinquent because of unsatisfactory progress on a Contract with the Department, when the Contract Time allowed has not been entirely consumed, but the Contractor's progress at any check period does not meet at least one of the following two tests:

(1) The percentage of dollar value of completed Work with respect to the total amount of the Contract is within ten percentage points of the percentage of Contract Time elapsed.

(2) The percentage of dollar value of completed Work is within ten percentage points of the dollar value which should have been performed according to the Contractor's own progress schedule previously approved by the Engineer.

In lieu of the ten percentage points stated in the two preceding paragraphs, twenty (20) percentage points may be allowed for a Contractor who, in the opinion of the Engineer, has adequate organization, Equipment, and financial resources to undertake other contract or subcontract Work without conflict or Delay in prosecuting Work under existing contracts let by the Department.

(b) A Contractor will be declared delinquent because of unsatisfactory progress on the Contract with the Department, under either of the following circumstances:

(1) The Contract Time allowed has been consumed and the Work has not been completed.

(2) The Contract Time allowed has not been entirely consumed the Contractor's progress at any check period does not meet either of the two tests described under the paragraphs headed (a) above (c).

A Contractor declared delinquent under the provisions of 8-8 will be disqualified from further bidding and also will not be approved as a subcontractor so long as the delinquent status exists. Also, any individual, firm, partnership or corporation, affiliated with a delinquent Contractor for either personnel, Equipment or finances, shall likewise be disqualified.

(c) The Contractor may appeal in writing to the Department for relief from disqualification status. The Department will act upon any appeal within thirty (30) Calendar Days after the filing thereof, and will promptly notify the appellant of the action taken.

(d) A Contractor disqualified under the requirements of this Article will be removed from such status upon receipt of evidence from the Construction Coordination Division that his progress is no longer delinquent, provided the Contract Time has not elapsed.

(e) The principal progress check period will occur monthly, upon the Department's receipt of the Contractor's monthly estimates. Postings will generally be completed by the first week of each month, and preliminary notices of delinquency will be sent to the Contractor immediately thereafter, and confirmed by certified mail.

(f) No Contractor given such a preliminary notice of delinquency will be finally declared delinquent until a period of ten Calendar Days after the preliminary notice has elapsed. During this ten-day period, the Contractor may request and provide support for any extensions of time, or other considerations which would affect the delinquency.

(g) Final notification of delinquency will be made and verified by certified mail after the expiration of this ten-day period, provided no extensions of time or other considerations are deemed proper by the County Engineer, and provided the delinquency status has not been corrected.

(h) The Engineer may grant extensions of time during the prosecution of the Work, as allowed under the Contract, regardless of the Contractor's delinquency status.

8-9 Default and Termination of Contract

8-9.2 Termination of Contract for Convenience DELETE AND INSERT THE FOLLOWING:

The Department may, at its option, terminate the Contract, in whole or in part at any time by written notice thereof to Contractor, whether or not Contractor is in default. Upon such notice,

Contractor hereby waives any claims for damages from the optional termination, including loss of anticipated profits on account thereof. As the sole right and remedy of Contractor, the Department shall pay Contractor in accordance with Subparagraphs below, provided, however, that those provisions of the Contract which by their very nature survive final acceptance under the Contract shall remain in full force and effect after such termination.

A. Upon receipt of any such notice, Contractor and its Surety shall, unless the notice requires otherwise:

1. Immediately discontinue Work on the date and to the extent specified in the notice;

2. Place no further orders or subcontracts for Materials, services, or facilities, other than may be necessary or required for completion of such portion of Work under the Contract that is not terminated;

3. Promptly make every reasonable effort to obtain cancellation upon terms satisfactory to Department of all orders and subcontracts to the extent they relate to the performance of Work terminated or assign to the Department those orders and subcontracts and revoke agreements specified in such notice;

4. The Contractor agrees to assign all subcontracts required for performance of this Contract to the Department;

5. The Contractor shall include in all subcontracts, Equipment leases and purchase order, a provision requiring the subcontractor, Equipment lessor or supplier, to consent to the assignment of their subcontract to the Department;

6. Assist the Department, as specifically requested in writing, in the maintenance, protection and disposition of property acquired by the Department under the Contract; and

7. Complete performance of any work which is not terminated.

B. Upon any such termination, the Department will pay to Contractor an amount determined in accordance with the following (without duplication of any item):

1. All amounts due and not previously paid to Contractor for Work completed in accordance with the Contract prior to such notice, and for Work thereafter completed as specified in such notice.

2. The reasonable cost of settling and paying claims arising out of the termination of Work under subcontracts or orders as provided in Subparagraph A.3. above.

3. The verifiable costs incurred pursuant to Subparagraph A.5. above.

4. Any other reasonable costs which can be verified to be incidental to such termination of Work.

The foregoing amounts will include a reasonable sum, under all of the circumstances, as profit for all Work satisfactorily performed by Contractor.

Contractor shall submit within 30 days after receipt of notice of termination, a proposal for an adjustment to the Contract price including all incurred costs described herein.

The Department shall review, analyze, and verify such proposal, and negotiate an equitable adjustment, and the Contract shall be amended in writing accordingly.

8-10 Liquidated Damages for Failure to Complete the Work

8-10.2.1 Amounts Reasonable/No Penalty ADD THE FOLLOWING SUB-ARTICLE:

The Contractor hereby agrees and affirms that the amounts specified in this section reflect a fair compensable value for damages suffered by Department as a result of Contractor's Delay, and that said amounts are not a penalty nor will ever be contested as reflecting the imposition of a penalty against Contractor.

END OF SECTION

SECTION 9
MEASUREMENT AND PAYMENT

9-2 Scope of Payments

9-2.1.1 Fuels DELETE AND INSERT THE FOLLOWING:

The Department will make no price adjustments for fuels.

9-2.1.2 Bituminous Material DELETE AND INSERT THE FOLLOWING:

Department will adjust the Bid unit price for bituminous material, excluding cutback and emulsified asphalt to reflect increases or decreases in the Asphalt Price Index (API) of bituminous material from that in effect during the month in which Bids were received.

Bituminous adjustments will be made only when the current API (CAPI) varies by more than 5% of the API prevailing in the month when Bids were received (BAPI), and then only on the portion that exceeds 5%.

The Department will determine the API for each month by averaging quotations in effect on the first day of the month at all terminals that could reasonably be expected to furnish bituminous material to projects in the State of Florida.

The API will be available on the Construction Office website before the 15th of each month at the following URL: **http://www.dot.state.fl.us/construction/fuel&bit/Fuel&Bit.shtm**

Refer to the "Liquid Asphalt Calculation" table provided in the Special Provisions of these documents.

9-3 Compensation for Altered Quantities

9-3.1 General ADD THE FOLLOWING TO THE END OF THIS ARTICLE:

The Contractor is advised that all items may be increased, decreased or deleted from the Contract, as directed by the Engineer. Whenever change or combination of changes in the Plans results in total elimination or substitution of any item included in the original Contract quantities, no allowance will be made for any loss of anticipated profits because of these changes, decreases or deletions of items.

The Contractor's attention is called to the fact that the quotations for the various items of Work are intended to establish a total price for completing the Work in its entirety. The unit prices for the items of Work shall include the cost of all labor, Materials, Equipment, transportation, fuel and all other items incidental to or necessary for the completion of the item of Work.

Should the Contractor feel that the cost for any item of Work has not been established by the Bid Form or Basis of Payment, he shall include the cost for that Work in some other applicable Bid item, so that his Proposal for the project does reflect his total price for completing the Work in its entirety.

9-3.2.1 Error in Plan Quantity DELETE IN ITS ENTIRETY

9-5 Partial Payments

9-5.1 General DELETE AND INSERT THE FOLLOWING:

The Contractor will receive partial payments on monthly estimates, based on the amount of Work done or completed (including delivery of certain Materials, as specified herein below). The monthly payments shall be approximate only, and all partial estimates and payments shall be subject to correction in the subsequent estimates and the final estimate and payment.

The amount of such payments shall be the total value of the Work done to the date of the estimate, based on the quantities and the unit prices for all Work performed, less an amount retained and less payments previously made. The amount retained shall be 5% of the value of Work completed. This retainage may be reduced to 2 1/2% of Contract amount at the discretion of the Department Engineer when said project exceeds 90% of the Contract amount.

The amount retained on water and sewer construction and adjustments included in the Contract shall be 10% of the monthly estimates until the Work is approved by the permitting agency. The retainage after approval/acceptance by the agency shall be in accordance with 9-5.1.

As an exception to the percentages for the amount to be retained on partial or monthly estimates as specified above, for contracts in which landscaping items constitute 50 per cent or more of the original Contract amount, 10 per cent of the value of Work completed shall be retained until the end of the 90-day establishment period for landscaping items or until final acceptance of the entire Contract Work; whichever of such is the later date.

Contract amount is defined as the original Contract amount as adjusted by approved Supplemental Agreements.

9-5.5 Partial Payments for Delivery of Certain Materials

9-5.5.1 General ADD THE FOLLOWING TO THE END OF THIS ARTICLE:

(7) Common Carrier Freight Rates. No adjustments shall be made for change in common carrier rates.

9-5.5.2 Partial Payment Amounts DELETE AND INSERT THE FOLLOWING:

The Contractor will receive progress payments on a monthly basis. The amount will be based on the Work done or completed (including delivery of certain Materials per 9-6). The progress payments shall be approximate only, and shall be subject to correction in the subsequent monthly estimates and the final estimate and payment.

The amount of such payments shall be the total value of the Work done to the date of the estimate, based on the quantities and the unit prices for all Work performed, less an amount retained and less payments previously made. The amount retained shall be 5% of the value of Work completed. This retainage may be reduced to 2-1/2% of Contract amount at the discretion of the County Engineer when said project exceeds 90% of the Contract amount.

On water and sewer construction, the amount retained and adjustments included in the Contract shall be 10% of the progress payments, up to 50% completion. After 50% completion, the retainage shall be reduced to 5% until the Work is approved by the permitting agency.

As an exception to the percentages for the amount to be retained on progress payments as specified above, for contracts in which landscaping items constitute 50 per cent or more of the original Contract amount, 10 per cent of the value of Work completed shall be retained up to 50% completion. After 50% completion, the retainage shall be reduced to 5% until the end of the 90-day establishment period for landscaping items or until final acceptance of the entire Contract Work; whichever of such is the later date.

Contract amount is defined as the original Contract amount as adjusted by approved Supplemental Agreements.

The following partial payment restrictions apply:

(1) Partial payments for structural steel and precast prestressed items will not exceed 85% of the Bid price for the item. Partial payments for all other items will not exceed 75% of the Bid price of the item in which the material is to be used.

(2) Partial payment will not be made for aggregate and base course material received after paving or base construction operations begin except when a construction sequence designated by the Department requires suspension of paving and base construction after the initial paving operations, partial payments will be reinstated until the paving and base construction resumes.

9-9 Interest Due on Delayed Payments DELETE IN ITS ENTIRETY

9-11 Change Order Approvals ADD THE FOLLOWING ARTICLE:

Change Orders shall be approved in accordance with existing Department policy per Resolution #R89-633 dated April 4, 1989 and the current PPM #CWF-050.

Department reserves the right to increase or decrease any of the unit quantities as necessary to complete the Work contracted. Such increases or decreases may be authorized by the Department's Engineer at the unit price(s) as Bid.

END OF SECTION

THIS SPACE LEFT BLANK INTENTIONALLY

SECTION 102
MAINTENANCE OF TRAFFIC

102-1 Description ADD THE FOLLOWING AT THE END OF THIS ARTICLE:

All existing signs are the property of the Department. The Contractor shall stockpile the above mentioned signs and contact Traffic Operations (sign supervisor) at 233-3900 for pick-up. Signs must be kept in good condition or be responsible for reimbursement to Palm Beach County Traffic Division.

This section shall be governed by the following standards:

1. Florida Department of Transportation (FDOT) "Standard Specifications for Road and Bridge Construction"

2. "Manual on Uniform Traffic Control Devices for Streets and Highways" (MUTCD)

3. Florida Department of Transportation "Design Standards"

4. Florida Department of Transportation "Plans Preparation Manual"

5. "Manual of Uniform Minimum Standards for Design, Construction and Maintenance of Streets and Highways"

In addition to the above Specifications, the following shall also apply:

Barricades, Lights and Cones

1. All barricades shall be maintained daily.

2. All Type III barricades shall have one Type A flashing light on each barricade. When extremely hazardous conditions exist, two Type B flashing lights shall be used. Extremely hazardous conditions shall be determined by Palm Beach County Engineering Traffic Division. Drums, Type II barricades and barrier walls shall have one Type C steady burning light.

Flag Person and Vests

1. The flagger shall be trained in the proper manner as set forth in the MUTCD and certified as per Section 102 FDOT Specifications for Road and Bridge Construction. Each flagger shall have a certification card with them when flagging. Certification cards shall have the flagger's name, date of certification and expiration date.

    - If the person flagging traffic does not have the Certification, or the name is not on the list of approved flaggers, the flagger shall be replaced immediately with a certified flagger. There will be no lane closure until that time.

- At the pre-construction meeting, the contractor may submit a list of certified flaggers. This list must include the same information as the flagger(s)' certification card(s).

2. All construction personnel shall wear a retro-reflective orange or strong yellow/green vest/garment during daytime or nighttime operations when working within the Right-of-Way (Class 2 or 3 per MUTCD).

   A. Ensure that these vest/garments be worn whenever workers are within the Right-of-Way. Workers operating machinery or Equipment in which loose clothing could become entangled during operation are exempt from this requirement. Such exempt workers will be required to wear orange shirts or jackets.

   B. Require Contractor personnel to wear retro-reflective orange or strong yellow/green vest/garment during daytime or nighttime operations.

   C. Replace faded vest/garments, as determined by the Inspector.

Flashing Arrow Boards

1. Flashing arrow boards shall be used on any four (4) lane or larger Roadway where traffic is being channelized or diverted, or as directed by the Palm Beach County Traffic Engineering Department. Flashing arrow boards shall conform with Section 6F-56 MUTCD /Type B or C only. Solar arrow boards shall be used.

Traffic Signals

1. A minimum of seventy-two hours notice must be given to Traffic Division (684-4030) prior to Work requiring the realigning of traffic signals.

2. The Department will charge for traffic signals to be realigned to accommodate MOT.

3. No material shall be disturbed within 6' of a traffic pole or within the specified distance of a guy wire and anchor to a depth greater than 2' as shown in Figure 1 in the General Provisions unless approved by and coordinated with Palm Beach County Traffic Operations. Contact Traffic Operations at (561) 233-3900, 24 hours in advance of any excavation. Failure to comply with the above shall result in the prime contractor incurring all costs incurred as a result of damage to the traffic signal installation. These costs shall be paid 30 days from date of invoice or the following pay estimate will be withheld until payment is made or the cost may be deducted from the pay estimate.

4. Line locates will be given. However, a twenty-four hours' notice must be given.
   If new traffic poles are to be installed it shall be the contractor's responsibility to provide final stabilized grade within 4"-6" along with Right-of-Way locations at the intersection.

The contractor shall have a 2-hour window for their change-over that is 1 hour before and one hour after the scheduled change-over time. After that the contractor shall be responsible for all cost incurred for the Delay.

102-1.1 General

1. Contractor shall keep sufficient cold patch asphalt on the job site to fill pot-holes and to perform other minor pavement maintenance as needed.

2. All Highway Equipment shall have a Slow Moving Vehicle sign with either a flasher or a beacon operating when the Equipment is operating.

3. During peak hours 7:00 A.M. to 9:00 A.M. and 3:00 P.M. to 7:00 P.M. left turn and through lanes shall not be blocked without permission from the Traffic Engineer.

4. Any manholes/valves in the travel way shall have 50" width of asphalt extending from the edge for every 1" inch of height.

Pedestrians

1. When pedestrian movement through or around a worksite is necessary, the Contractor shall provide a separate, safe footpath without abrupt changes in grade or terrain.

    - If one (1) or two (2) pedestrian ways are provided (exist) prior to the start of a project, only one (1) has to be maintained.

2. Places where pedestrians are judged especially vulnerable to impact by vehicles, all foot traffic should be separated and protected by longitudinal positive barrier systems.

3. Pedestrian detours are not to exceed 300 feet from the closure to a signalized or Palm Beach County approved alternative crossing location. The Contractor is to provide a safe and reasonable alternate route including pedestrian detours, diversions and flaggers to assist pedestrians around the work area when applicable.

4. Sidewalks within school zones/areas shall be maintained during morning start and afternoon dismissal times unless otherwise approved by the Engineer. Otherwise, direct detours shall be provided such that students will not be diverted for more than 100 feet. Temporary guarded crossings provided by the Contractor shall be utilized when needed.

102-3.2 Worksite Traffic Supervisor

Certification must be through American Traffic Safety Services Association (ATSSA) or FDOT approved Advanced Maintenance of Traffic course certification.

102-4 Temporary Traffic Control Plan. (TTCP) DELETE IN ITS ENTIRETY AND INSERT THE FOLLOWING:

The Temporary Traffic Control Plan (TTCP) for traffic control around or through work sites should be developed with safety receiving a high priority. The TTCP should include protection at work sites when Work is in progress and when operations have been halted (such as during the night) or from the time Work is completed until the final. Provisions for the protection of work crews, traffic control personnel, pedestrians, and motorists shall be included.

The temporary traffic control plan shall include the following:

TTCP to be prepared and signed by the Work Site Traffic Supervisor as certified by the American Traffic Safety Services Association or FDOT approved Advanced Maintenance of Traffic course or a Professional Engineer.

1. A copy of the signer's certification, contractor's name, and 24 hour phone number of the work site traffic supervisor shall be on the TTCP.

2. The TTCP shall include: north arrow; drawn by; lane usage; type and location of all signs, lights, barricades, striping, barriers, traffic signals; all side-streets; change-overs; sidewalks; Retro-reflective Pavement Markers (RPM); pavement markings; school zones; crosswalks; Palm Tran bus stop and railroad crossings.

3. Plans may be drawn to scale; however, dimensions shall be shown.

4. Variable Message Sign (VMS) and the messages.

    a. Road Closures – VMS boards shall be installed 10 days prior to Work beginning until 10 days after Work completion. If the Road closer is on a thoroughfare Road then the VMS board shall be installed for the entire Contract Time.

    b. Traffic Shifts – VMS boards shall be installed 7 Working Days prior to Work until 7 Working Days after Work completion.

5. Location and geometry for transitions, detours, and diversions (includes buffer space and taper length).

6. No change-overs are allowed on Monday or Friday, the day before a Holiday or during AM or PM peak traffic, and are discouraged at signalized intersections.

7. All Plans shall be submitted through the Palm Beach County Construction Coordination Division.

8. Lane closures in front of schools shall avoid disruption to school traffic during school arrival and dismissal times.

9. The Contractor shall comply with the current MUTCD and FDOT Standard Plan Index 102 series and Palm Beach County Standards for all MOT.

10. The Contractor shall provide MOT for each phase of construction within 60 days of phase implementation.

11. Supporting calculations shall be provided for all proposed horizontal curves.

The TTCP approval is as follows:

A. 1 to 7 days for most Plans

B. 7 days when a signal or flasher is involved

C. 10 days for a traffic switch or for Road closures

Time may vary based on the complexity of the TTCP Consideration should be given to these time frames when scheduling the Work.

Palm Beach County Traffic Engineering Division will handle all news releases, notifying police, fire, etc.

The TTCP is good for 60 days. If the TTCP has not been implemented by then, a new approval will be required.

TTCP must have dates and times of operation requested.

In no case may the contractor begin Work until the TTCP has been approved in writing by the Palm Beach County Traffic Engineering Division. Field modifications may be made with the approval of a representative of the Palm Beach County Traffic Engineering or Construction Coordination Divisions. Failure to comply with the above may result in permanent reduction of the pay item of "Maintenance of Traffic" on a prorated basis or $1,000.00 per day, whichever is higher.

Cost for Temporary Traffic Control Plans shall be made on a Lump Sum basis, and shall include all the above requirements.

Cost for Temporary Traffic Control Plans shall be included in Maintenance of Traffic items and shall include all of the above requirements.

102-5.4 Crossings and Intersections DELETE AND INSERT THE FOLLOWING:

Provide and maintain adequate accommodations for intersecting and crossing traffic. Do not block or unduly restrict any Road or Street crossing the project unless approved by the Engineer.

Maintain all existing actuated or traffic responsive mode signal operations for main and side Street movements for the duration of the Contract. (See 102-7.1)

102-5.7 Flagger DELETE AND INSERT THE FOLLOWING:

Provide trained flaggers in accordance with FDOT and MUTCD requirements.

102-6.2 Construction DELETE AND INSERT THE FOLLOWING:

Plan, construct, and maintain detours for the safe passage of traffic (both vehicular and pedestrian) in all conditions of weather. Provide the detour, to the Department, with all facilities necessary to meet this requirement.

102-6.6 Operation of Existing Movable Bridges DELETE IN ITS ENTIRETY

102-7 Traffic Control Officer

Provide uniformed law enforcement officers, including marked law enforcement vehicles, to assist in controlling and directing traffic in the work zone, when the following types of Work are necessary on projects:

1. Traffic control in a signalized intersection when signals are overridden.

2. When Standard Index No. 619 is used on Interstate at nighttime and required by the Plans.

3. When pacing/rolling blockade specification is used.

4. During the night time milling or paving, if the lane adjacent to the Work area is open to traffic, the Traffic Control Officer shall be present with flashing lights, operating on their vehicle.

5. As required by the Engineer.

6. Provide uniformed laws enforcement officers, including marked law enforcement vehicles, to assist in controlling and directing traffic through the work zone, when authorized and/or directed by the Engineer, and for purposes not covered under the requirements of the Temporary Traffic Control Plans. The Contractor shall make a request for the use of this item in writing to Construction Coordination Division. The request will be reviewed and responded to in writing. The Contractor shall supply a breakdown of police activity for every 4 hour period.

ADD THE FOLLOWING SUBARTICLE:

102-9.9.1 Portable Changeable (Variable) Message Sign (PCMS) (Non-MOT)

Furnish VMS board in accordance with 102-9.9, when authorized and/or directed by the Engineer, and for purposes not covered under the requirements of the TTCP.

102-9.12 Temporary Traffic Control Signals DELETE IN ITS ENTIRETY

102-9.14 Temporary Traffic Control Signals DELETE IN ITS ENTIRETY

102-9.15 Temporary Traffic Detection Technology DELETE IN ITS ENTIRETY

102-9.16 Automated Flagger Assistance Devices DELETE IN ITS ENTIRETY

102-10 Work Zone Pavement Marking

1. All temporary pavement markings shall be done in a professional manner without weaves and/or bows. No over-painting shall be allowed.

2. Temporary RPM's shall be installed at an 1 inch offset to lane lines, skips, gore or crosshatched area within the work zone. The spacing shall be 40 feet on tangent section and 20 feet on transitions and curves (including edge lines). Damaged or missing R.P.M.'s shall be replaced on a daily basis. The RPM's shall have a maximum width of 5 inches and a maximum height of 0.75 inch. The minimum area of each reflective face shall be 3.50 square inches. RPM's shall be bonded to the pavement or concrete with epoxy, alkyd thermoplastic or bituminous adhesive.

3. Temporary pavement markings shall be applied to the intermediate asphalt course, and shall consist of foil-backed tape, paper tape or paint meeting both State and Department Specifications.

4. Temporary pavement markings shall also be applied to the final asphalt course unless otherwise directed by the Department. All final course pavement markings shall consist of foil-backed tape. The temporary pavement markings shall be installed in accordance with the typicals in the General Provisions.

5. All temporary tape skip-line pavement markings shall be at least four (4) feet in length with a maximum gap of thirty-six (36) feet. A two (2) foot stripe with a maximum gap of eighteen (18) feet may be used for Roadways with severe curvature, or as directed by the Department.

6. All painted lines shall conform to size and color requirements of the MUTCD, Part III. The thickness shall not be less than fifteen (15) mils with six (6) to six and one quarter (6 ¼) pounds of beads per gallon of paint. Both shall be applied uniformly. All painted lines shall be refurbished if at any time the reflectively falls below 150 mini-candles. A normal width line is 6" paint or tape.

7. Black-out shall not be used to obliterate pavement markings. Existing pavement markings that conflict with temporary work zone delineation shall be removed by any method approved by the Engineer.

8. If a school zone exists, it must be maintained including crosswalks, school messages and signs.

9. It shall be the contractor's responsibility to adjust existing signing, add new signing, and remove or add pavement marking on approaches to the project.

10. The last temporary pavement markings for the project's final condition shall be incidental to the Maintenance of Traffic item. They shall be placed in the location of the future permanent pavement markings.

102-10.1 Description DELETE THE LAST PARAGRAPH IN ITS ENTIRETY

102-10.2 Removable Tape DELETE IN ITS ENTIRETY

102-10.2.1 General DELETE IN ITS ENTIRETY

102-10.3.1 Application DELETE IN ITS ENTIRETY

102-10.3.3 Retro-reflectivity DELETE IN ITS ENTIRETY

102-10.3.4 Removability DELETE IN ITS ENTIRETY

102-10.4 Work Zone Raised Pavement Markers (WZRPM's)

Apply all markers in accordance with Palm Beach County Typical T-P-18, or as otherwise revised.

102-10.4 Paint and Glass Beads

102-11 Method of Measurement

102-11.1 General

Devices installed/used on the project on any Calendar Day or portion thereof, within the allowable Contract Time, including time extensions which may be granted, will be paid for at the Contract unit price MOT, Lump Sum and shall include all items required to implement the approved Temporary Traffic Control Plan (TTCP).

Unless otherwise specified, all devices / items specified in 102-11 shall be incidental to the pay item: M.O.T., on a Lump Sum basis.

102-11.2.1 Traffic Control Officers (Non-MOT)

The quantity to be paid for will be at a unit price per hour (4 hour minimum) for the actual number of officers certified to be on the project site, including any law enforcement vehicle(s).

Payment will be made only for those traffic control officers not incidental to the TTCP requirements and when authorized by the Engineer under the pay item: Traffic Control Officers (Non-MOT) per hour.

102-11.3 Special Detours DELETE IN ITS ENTIRETY

102-11.15.1 Changeable (Variable) Message Sign (NON-MOT)

The quantity to be paid for will be the number of changeable (variable) message signs certified as installed/used on the project when directed by the Engineer and not a requirement of the TTCP.

Payment will be made for each Changeable (Variable) message sign that is used during the Contract period under the pay item Changeable (Variable) Message Sign (Non-MOT) per each per day.

102-11.20 Temporary Traffic Control Signals DELETE IN ITS ENTIRETY

102-11.21 Temporary Traffic Detection Technology DELETE IN ITS ENTIRETY

102-11.22 Work Zone Pavement Markings DELETE AND INSERT THE FOLLOWING:

The quantities, furnished and installed shall be those that are required for the project and shall be incidental to MOT, Lump Sum.

102-12.1 Submittal Instructions DELETE IN ITS ENTIRETY

102-12.2 Contractor's Certification of Quantities DELETE AND INSERT THE FOLLOWING:
When requested by the Department, Contractor shall submit a certification of the material used.

Ensure that the certification consists of the following: Project Number, Certification Number, Certification Date and the period that the certification represents.

102-13 Basis of Payment

102-13.1 Maintenance of Traffic (General Work) DELETE AND INSERT THE FOLLOWING:

When an item of Work is included in the Proposal, price and payment will be full compensation for all Work and costs specified under this Section except as may be specifically covered for payment under other items. Maintenance of Traffic (General Work) shall also include all items required to implement the approved Temporary Traffic Control Plans (TTCP).

Unless otherwise specified, all devices / items specified in 102-13 shall be incidental to the pay item: MOT, on a Lump Sum basis.

102-13.2.1 Traffic Control Officers (Non-MOT) DELETE AND INSERT THE FOLLOWING:

Price and payment will be full compensation for the services of the traffic control officers for instances when directed by the Engineer and not a requirement of the TTCP.

102-13.3 Special Detours DELETE IN ITS ENTIRETY

INSERT THE FOLLOWING SUBARTICLE:

102-13.15.1 Changeable (Variable) Message Sign (NON-MOT)

Price and payment will be full compensation for furnishing, installing, operating, relocating, maintaining and removing changeable message signs when directed by the Engineer and not a requirement of the TTCP.

102-13.19 Safety Warning Transmitter DELETE IN ITS ENTIRETY

102-13.20 Temporary Traffic Control Signals DELETE IN ITS ENTIRETY

102-13.21 Temporary Traffic Detection Technology DELETE IN ITS ENTIRETY

102-13.22 Temporary Lane Separator DELETE IN ITS ENTIRETY

102-13.23 Payment Items DELETE AND INSERT THE FOLLOWING:

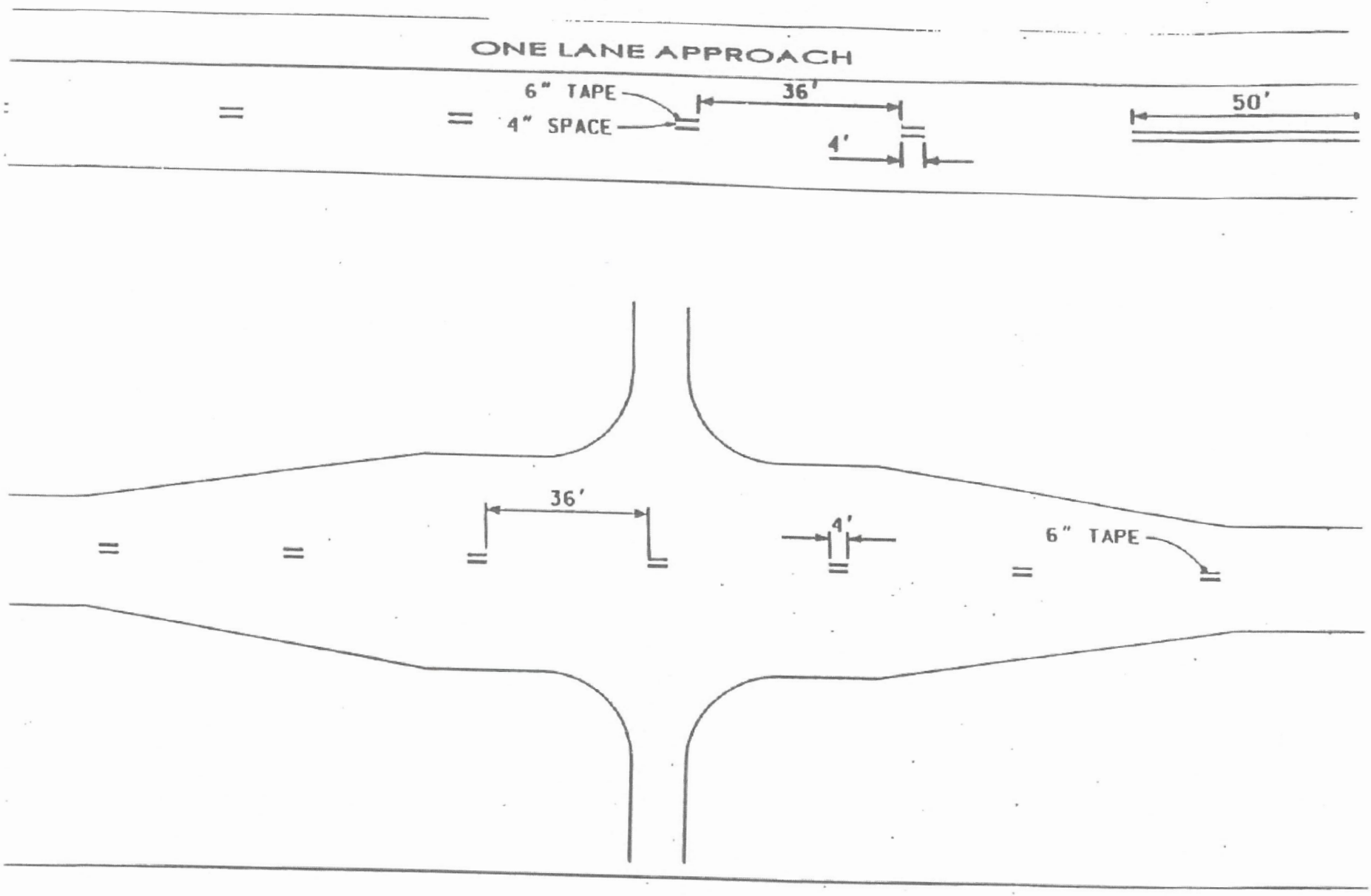
Payment will be made under:

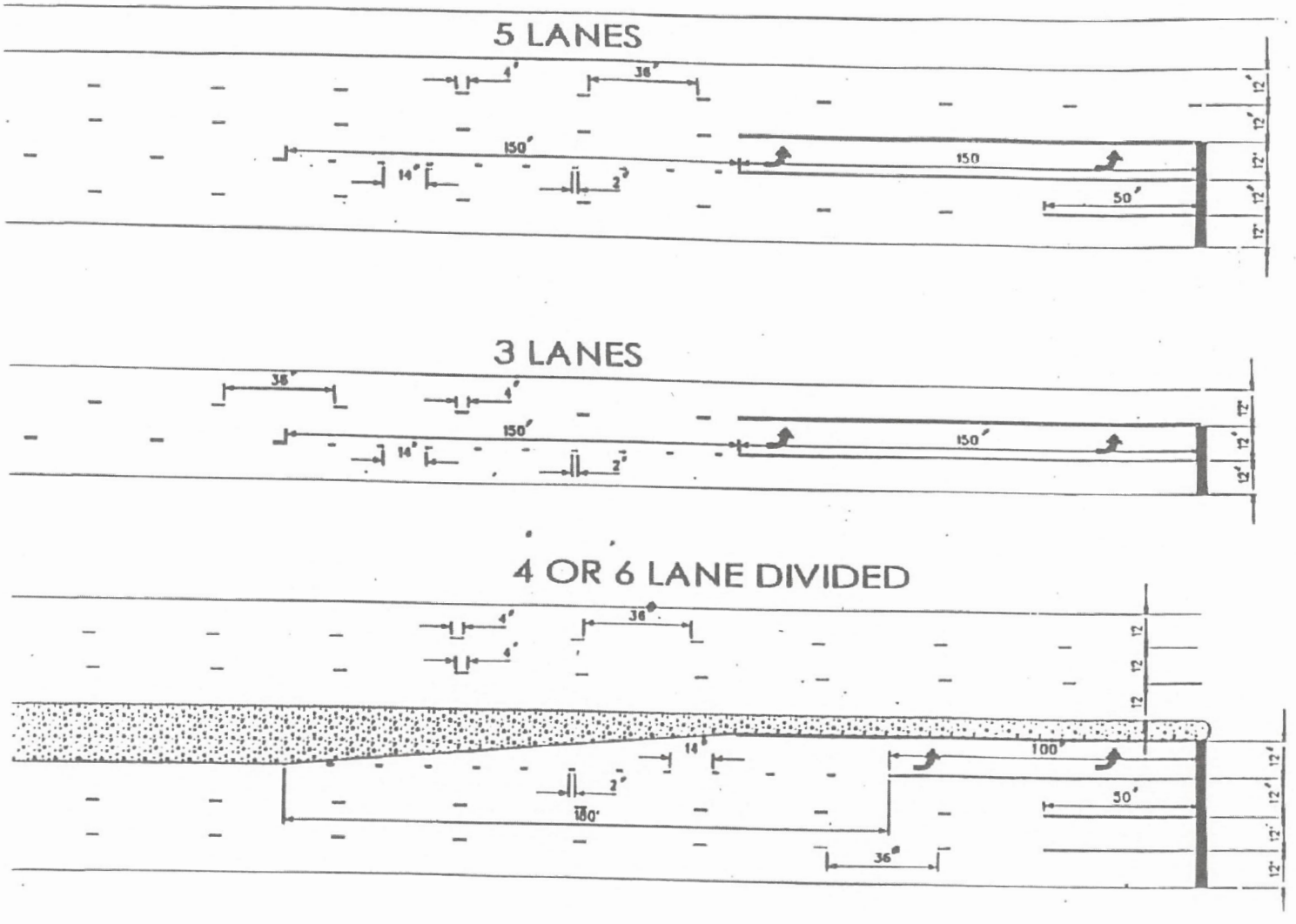
Item No. 102- 1- Maintenance of Traffic - lump sum.
Item No. 102- 14-1 Traffic Control Officers (Non-MOT) - per hour.
Item No. 102- 99-1 Changeable (Variable) Message Sign (Non-MOT) - per each per day.

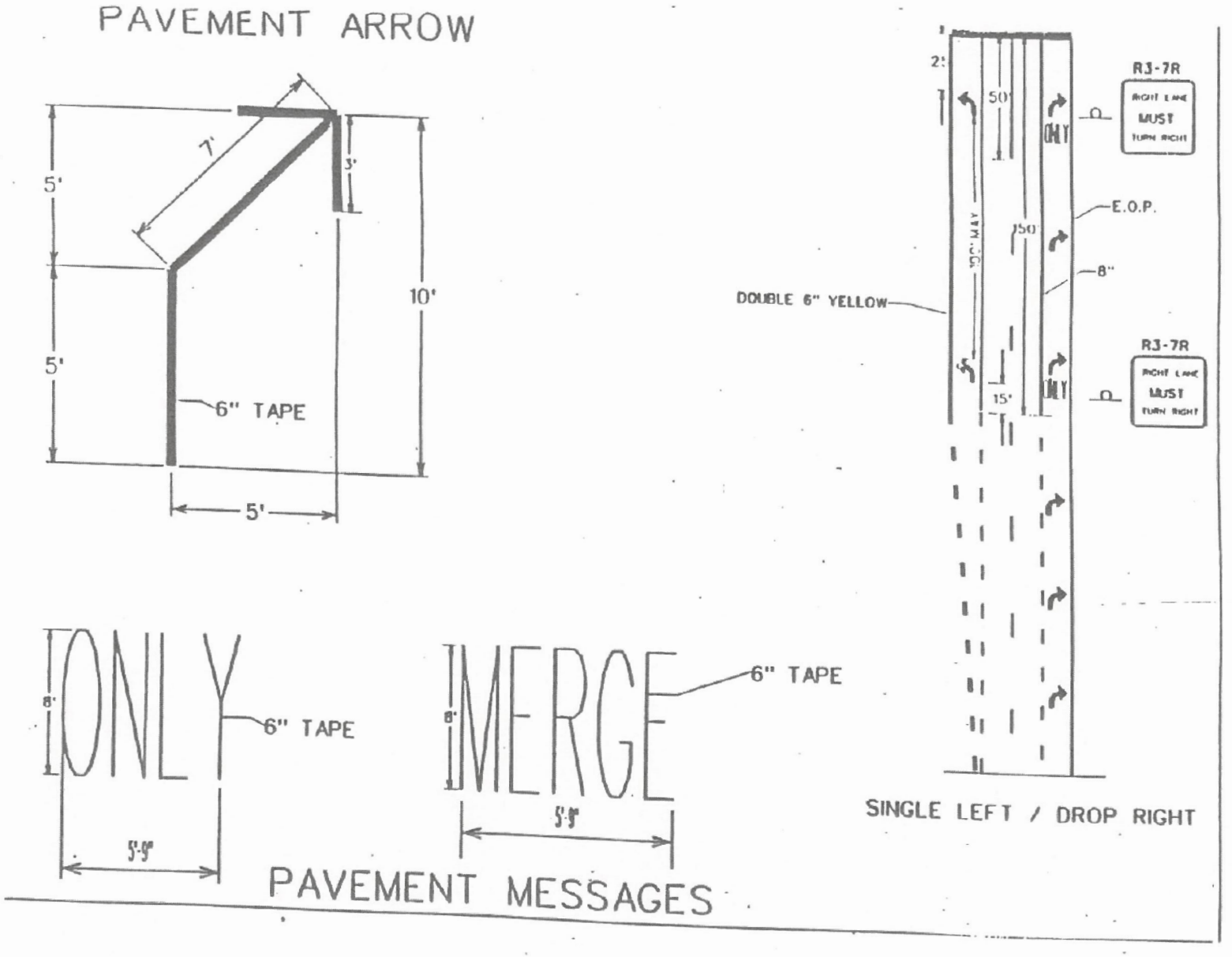
105-1.2.3 Notification of Placing Order DELETE AND INSERT THE FOLLOWING:

Order materials sufficiently in advance of their incorporation in the work to allow time for sampling, testing and inspection. Notify the Engineer prior to placing orders for materials.

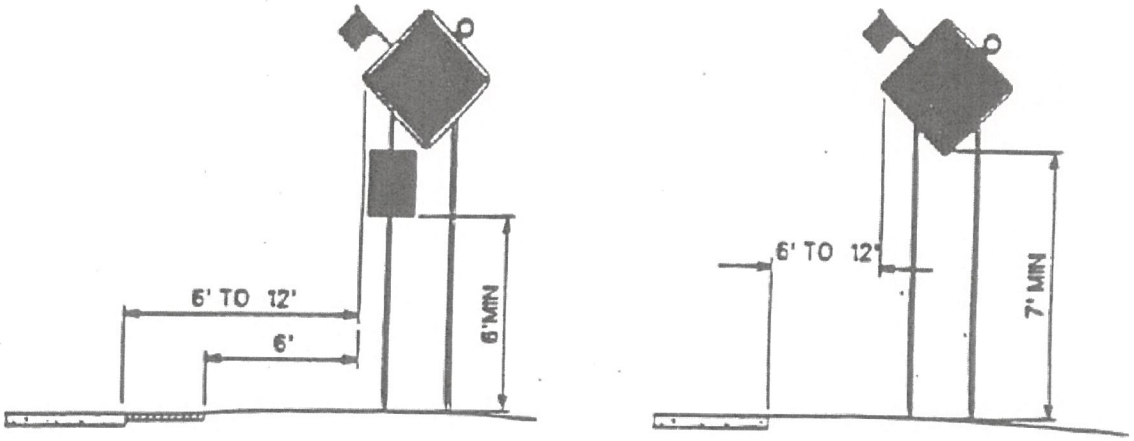
Submit to the Engineer a fabrication schedule for all items requiring commercial inspection at least 30 days before beginning fabrication. Items requiring commercial inspection will be identified in the Plans, Proposal, Special Provisions, Supplemental Specifications, or Technical Special Provisions of the Contract Documents. These items can include steel bridge components, moveable bridge components, pedestrian bridges, castings, forgings structures erected either partially or completely over the travelled roadway or mounted on bridges as overhead traffic signs (some of these may be further classified as cantilevered, overhead trusses, or monotubes) or any other item identified as an item requiring commercial inspection in the Contract Documents.


ONE LANE APPROACH
6" TAPE
4" SPACE
36'
4'
50'
36'
4'
6" TAPE


5 LANES
4'
36'
150'
14'
2'
150
50'
12'
12'
12'
12'
12'
3 LANES
36'
4'
150'
14'
2'
150'
12'
12'
12'
4 OR 6 LANE DIVIDED
36'
4'
4'
12
12
12
14'
2'
100'
180'
50'
36'
12'
12'
12'
12'


PAVEMENT ARROW
7'
3'
5'
10'
5'
6" TAPE
5'
ONLY
6" TAPE
8'
5'-9"
MERGE
6" TAPE
8'
5'-9"
PAVEMENT MESSAGES
R3-7R
RIGHT LANE MUST TURN RIGHT
50'
ONLY
E.O.P.
150'
150' MAY
8"
DOUBLE 6" YELLOW
R3-7R
RIGHT LANE MUST TURN RIGHT
15'
ONLY
SINGLE LEFT / DROP RIGHT

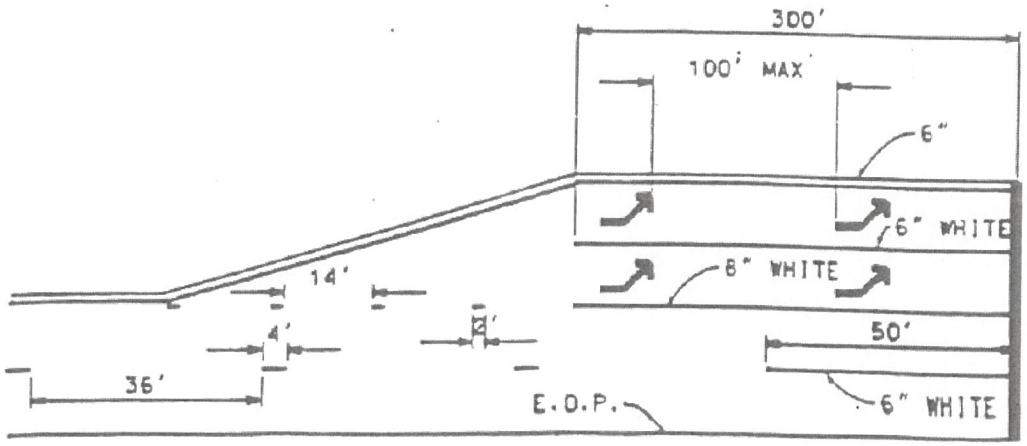
Signing For Long Term Stationary Projects



1.) If a seperator is to be signed it shall be a min. of 6' wide The signs shall be erected in such a way that they also conform with the 7' min. clearance.

2.) Other types of operation may be able to use the standard tri-pod mount as long as there is a min of 1' from the bottom of the sign to the ground.

DUAL LEFTS



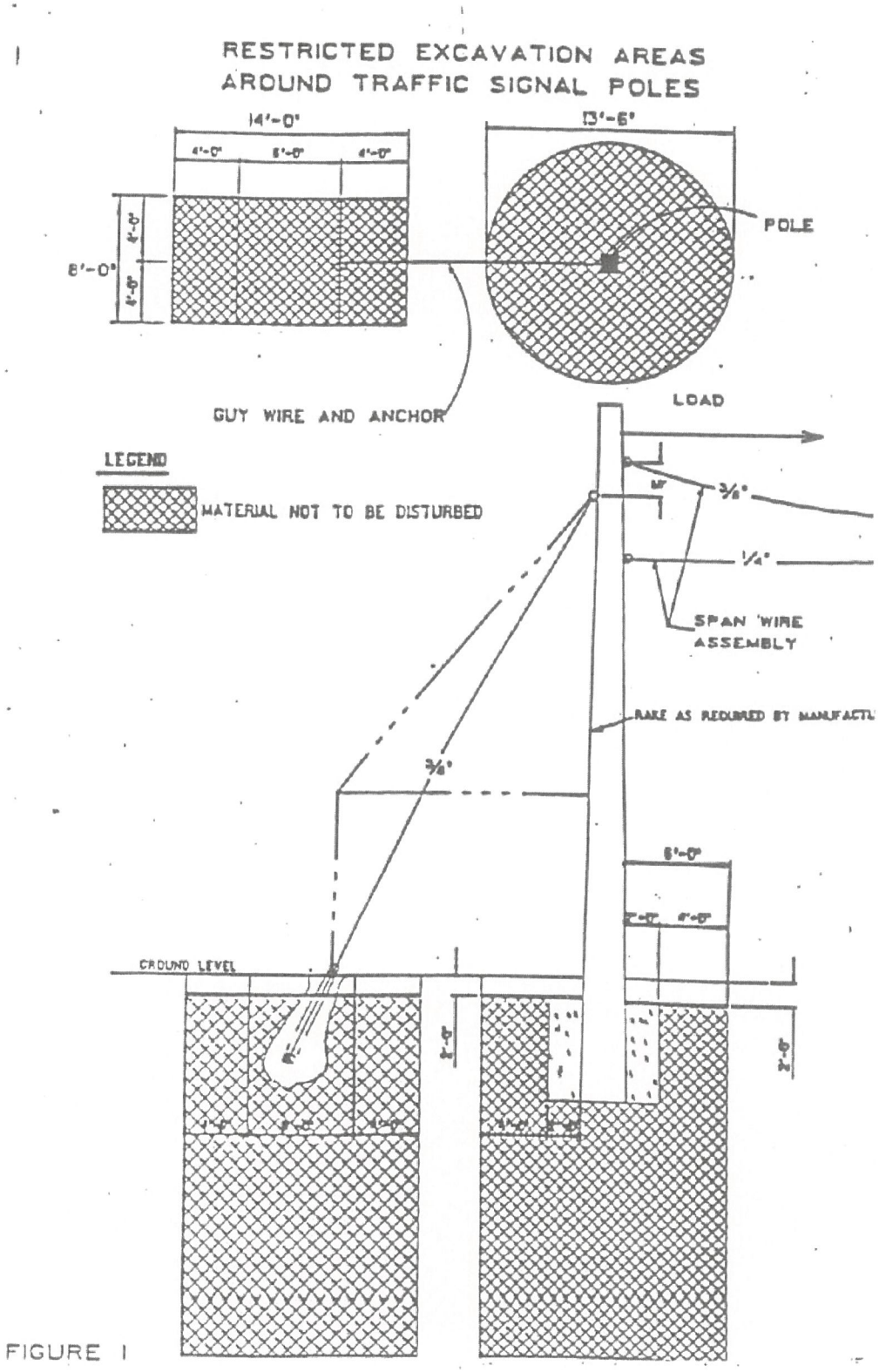


FIGURE 1

END OF SECTION

SECTION 300
PRIME AND TACK COATS

300-2.3 Tack Coat DELETE AND SUBSTITUTE THE FOLLOWING:

Unless the Contract Documents call for a specific type or grade of tack coat, use RA-500 meeting the requirements of 916-2, heated to a temperature of 250 to 300°F or undiluted Emulsified Asphalt Grades RS-1h, RS-2, CRS-1h, or NTSS-1hm meeting the requirements of 916-4. Heat RS-1h, RS-2, CRS-1h and NTSS-1hm to a temperature of 150 to 180°F. The Contractor may use RS-1h modified to include up to 3% naphtha to improve handling of the material during the winter months or at any other time, as approved by the Engineer.

For night paving, use RA-500 tack coat. The Engineer may approve RS-1h, RS-2, CRS-1h, or NTSS-1hm for night paving if the Contractor demonstrates, at the time of use, that the emulsion will break to allow paving in a timely manner and not affect the progress of the paving operation.

300-9 Method of Measurement DELETE AND SUBSTITUTE THE FOLLOWING:

No separate measurement shall be made for prime coat and tack coat material.

300-10 Basis of Payment DELETE AND SUBSTITUTE THE FOLLOWING:

No separate payment will be made for prime coat and tack coat material but the cost of same, including heating, hauling and applying (including sand or screening covering where required), shall be included in the Contract unit price per square yard for base or pavement courses, respectfully.

There is no direct payment for the Work specified in this Section, it is incidental to, and is to be included in the other items of related Work.

END OF SECTION

SECTION 330A
HOT BITUMINOUS MIXTURES –
GENERAL CONSTRUCTION REQUIREMENTS

SECTION 330A IS ADDED TO THIS SPECIFICATION

330A-1 Description

This Section specifies the general construction requirements for all plant-mixed hot bituminous pavements and bases. (More specific requirements pertaining to hot bituminous base and base widening construction are contained in Section 280.) This Section also includes the method of determination of the thickness of pavement to be paid for, when payment is on a square yard basis.

330A-2 Substitution of Types of Hot Bituminous Mixtures

Except for Asphaltic Concrete Friction Courses and other wearing surfaces, the Contractor will be allowed the option of substituting certain types of hot bituminous mixtures as follows:

(1) Type S-I Asphaltic Concrete may be substituted for any other type of mixture where the rate of application is specified to be not less than 75 lbs. per square yard.

(2) Type III Asphaltic Concrete may be substituted for Type n Asphaltic Concrete or Sand-Asphalt Hot Mix and Type II Asphaltic Concrete may be substituted for Sand-Asphalt Hot Mix.

In each case, the stability of the substituted mixture shall be at least as high as that of the mixture specified, and any substitution made shall be at no additional cost to the Department over that which would have accrued had the specified mixture been used.

330A-3 Limitations of Operations

330A-3.1 Weather Limitations

Plant operations shall not begin unless all weather conditions are suitable for the laying operations.

330A-3.2 Limitations of Laying Operations

330A-3.2.1 General

The mixture shall be spread only when the surface, upon which it is to be laid, has been previously prepared, is intact, firm and properly cured, and is dry. Unless otherwise approved by the Engineer, no mixture shall be spread that cannot be finished and compacted during daylight hours. Friction course shall not be placed until the adjacent shoulder area has been dressed and grassed.

330A-3.2.2 Temperature

The mixture shall be spread only when the air temperature (the temperature in the shade away from artificial heat) is 40°F and above for layers greater than one inch (100 lbs. per square yard) in thickness and 45°F and above for layers one inch (100 lbs. per square yard) or less in thickness (this includes leveling courses). No mixture shall be placed when there is evidence that the base is frozen.

330A-3.2.3 Wind

The mixture shall not be spread when the wind is blowing to such an extent that proper and adequate compaction cannot be maintained or when sand, dust, etc., are being deposited on the surface being paved, to the extent that the bond between layers will be diminished.

330A-4 Preparation of Asphalt Cement

The asphalt cement shall be delivered to the asphalt plant at a temperature not to exceed 350 degrees F and the transport tanks shall be equipped with sampling and temperature sensing devices meeting the requirements of 300-3.2 and 300-3.3, respectively. The asphalt cement in storage shall be maintained within a range of 230 degrees F to 350 degrees F in advance of mixing operations. Heating within these limits shall be constant and wide fluctuations of temperature during a day's production will not be permitted.

330A-5 Preparation of Aggregates

330A-5.1 Stockpiles

Each aggregate component sba11 be placed in an individual stockpile, which shall be separated from the adjacent stockpiles, either by space or by a system of bulkheads. The intermingling of different Materials in stockpiles shall be prevented at all times. Each stockpile, including RAP, shall be identified as shown on the Department Mix Designs.

330A-5.2 Prevention of Segregation

Stockpiles shall be formed and maintained in a manner that will prevent segregation. If a stockpile is determined to have excessive segregation, the Engineer will disapprove the material for use on the project until the appropriate action has been taken to correct the problem.

330A-5.3 Blending of Aggregates

Blending or proportioning from railroad cars will not be permitted. All aggregates shall be stockpiled prior to blending or placing in the cold hoppers. All aggregates to be blended or proportioned shall be placed in separate bins at the cold hopper and proportioned by means of securely positioned calibrated gates or other approved devices.

330A-5.4 Cold Bins

330A-5.4.1 Adequacy of Bins

The separate bin compartments of the cold aggregate feeder shall be so constructed as to prevent any spilling or leakage of aggregate from one bin to another. Each bin compartment shall be of such capacity and design as to permit a uniform flow of aggregates. All the bin compartments shall be mounted over a feeder of uniform speed, which shall deliver the specified proportions of the separate aggregates to the drier at all times. If necessary, the bins shall be equipped with vibrators to insure a uniform flow of the aggregates at all times.

330A-5.4.2 Gates

Each bin compartment sha11 be provided with a gate which is adjustable in a vertical direction. The gate shall be so designed that it can be held securely at any specified vertical opening. The

gates shall be equipped with a measuring device for measuring the vertical opening of the gates from a horizontal plane level with the bottom of the feeder.

330A-5.5 Mineral Filler

If mineral filler is required in the mix, it shall be fed or weighed-in separately from the other aggregates.

330A-5.6 Heating and Drying

The aggregates shall be heated and dried before screening. The temperature of the aggregates shall be so controlled that the temperature of the completed mixture at the plant will fall within the permissible range allowed by these Specifications.

330A-5.7 Screening Unit

330A-5.7.1 Oversize Aggregate

Any oversized pieces of aggregate shall be removed by the use of a scalping screen. This oversized material shall not be returned to the stockpile for reuse unless it has been crushed and reprocessed into sizes that will pass the scalping screen.

330A-5.7.2 Screening

Unless otherwise permitted by the Engineer, the quantity of aggregates being discharged onto the screens shall not be in excess of the capacity of the screens to actually separate the aggregates into the required sizes. A maximum of ten percent plus-ten material will be permitted in the minus-ten bin. The maximum amount of minus-ten material allowed in the plus-ten bins will be determined by the Engineer, in accordance with its effect on the uniformity of the mix.

330A-5.8 Mixing Different Materials

Unless written permission is obtained, coarse aggregates of different types shall not be mixed; nor shall coarse aggregates of different types be used alternately in sections less than one mile in length.

330A-6 Preparation of the Mixture

330A-6.1 Batch Mixing

330A-6.1.1 Aggregates

The dried aggregates and mineral filler (if required), prepared in the manner previously described, and combined in batches to meet the job mix formula by weighing each separate bin size, shall be conveyed to the empty mixer.

330A-6.1.2 Bitumen

The hot asphalt cement, accurately measured, shall be introduced into the mixer simultaneously with, or after, the hot aggregates. Mixing shall continue until the mixture is thoroughly uniform, with all particles fully coated.

330A-6.1.3 Mixing Time

The mixing time shall begin when the measuring devices for both the asphalt and the aggregates indicate that all the material is in the mixer, and shall continue until the material begins to leave the mixing unit. The mixing time will vary in relation to the nature of the aggregates and the capacity of the mixer and shall be as designated by the Engineer but in no case shall it be less than 35 seconds.

330A-6.2 Continuous Mixing

The dried aggregates and mineral filler (if required), prepared as specified and proportioned to meet the job mix formula by volumetric measurements, shall be introduced into the mixer in synchronization with the accurate, feeding of the hot asphalt cement. The rate of flow of material to the pugmill shall be such that the maintained depth of the mix will not exceed the tips of the paddles when in the upright position. Mixing shall be sufficient to produce a thoroughly and uniformly coated mixture.

330A-6.3 Mixing Temperature

The ingredients of the mix shall be heated and combined in such a manner as to produce a mixture, which shall be at a temperature, when discharged from the pugmill or surge bin, within the range of 230°F to 310°F and within the tolerance shown in Table 330AA-1.

Table 330A-1
Temperature Tolerance From
Job Mix Formula

Any Single Measurement	+/- 25°F
Average of Any Five Consecutive Measurements	+/- 15°F

Any load or portion of a load of asphalt mix at the plant or on the Road with mix temperature exceeding 335°F shall be rejected for use on the project.

Temperature of the completed mixture shall be determined by a quick-reading thermometer through a hole in the side of the loaded truck immediately after loading. The hole shall be located within the middle third of the length of the body, and at a distance of from six to ten inches above the surfaces supporting the mixture. If a truck body already has a hole located in the general vicinity of the above specified location, this will be acceptable. At the Department's discretion, the temperature of the load may be taken over the top of the truck in lieu of using the hole in the side of the truck.

The mix temperature will be taken at the plant and the Roadway for each day for each design mix on the first five loads and an average of once every five loads thereafter. The temperature measurements at the plant shall be taken and recorded by the Contractor's personnel for review by the Department. The temperature measurements at the Roadway will be taken by the Department's Paving Inspector and be recorded on the backside of the delivery ticket. If the temperature exceeds the specified tolerance, the Contractor will be required to take immediate corrective action.

330A-6.4 Maximum Period of Storage: The maximum time that any mix may be kept in a hot storage or surge bin is 72 hours.

330A-6.5 Contractor's Responsibility for Mixture Requirements: The responsibility for producing a homogeneous mixture, free from moisture and with no segregated Materials, and meeting all requirements of the Specifications for the mixture, including compliance with the design limits, shall lie entirely with the Contractor. These requirements shall apply also to all mixes produced by the drum mixer process and all mixes processed through a hot storage or surge bin, both before and after storage.

330A-7 Transportation of the Mixture:
The mixture shall be transported in tight vehicles previously cleaned of all foreign material. The inside surface of the truck bodies after cleaning shall be thinly coated with soapy water or an approved emulsion containing not over five percent oil. The coating shall be applied prior to the first loading each day and repeated as necessary throughout the day's operations. After the truck bodies are coated and before any mixture is placed therein, they shall be raised to drain out all excess liquids. Each load shall be covered during cool and cloudy weather and at any time there is a probability of rain.

330A-8 Preparation of Application Surfaces

330A-8.1 Cleaning

Prior to the laying of the mixture, the surface of the base or pavement to be covered shall be cleaned of all loose and deleterious material by the use of power brooms or blowers, supplemented by hand brooming, where necessary.

330A-8.2 Patching and Leveling Courses

Where a surface course is constructed on an existing pavement or old base which is irregular, and wherever so indicated in the Plans, the existing surface shall be brought to proper grade and cross section by the application of patching or leveling courses.

330A-8.3 Application over Surface Treatment

Where a surface course is to be placed over a newly constructed surface treatment, all loose material shall be swept from the paving area and disposed of by the Contractor.

330A-8.4 Coating Surfaces of Contacting Structures

All structures which will be in actual contact with the asphalt mixture, with the exception of the vertical faces of existing pavements and curbs or curb and gutter, shall be painted with a uniform coating of asphalt cement to provide a closely bonded, watertight joint.

330A-8.5 Tack Coat

330A-8.5.1 Tack Coal Required

A tack coat, as specified in Section 300, will be required on existing pavements that are to be overlaid with an asphalt mix and between successive layers of all asphalt mixes.

330A.8.5.2 Tack Coat at Engineer's Option

A tack coat will be required on the following surfaces, only when so directed by the Engineer:

(1) Freshly primed bases.

(2) Surface treatment.

330A-9 Placing Mixture

330A-9.1 Requirements Applicable to All Types

330A-9.1.1 Alignment of Edges

All asphaltic concrete mixtures (including leveling courses), other than adjacent to curb and gutter or other true edges, shall be laid by the stringline method, to assure the obtaining of an accurate, uniform alignment of the pavement edge.

330AA-9.1.2 Temperature of Spreading

The temperature of the mix at the time of spreading shall be within +/-25°F of the established mix temperature selected by the Contractor. The minimum frequency for taking mix temperatures on the Road will be an average of one per five trucks. If the temperature fails to fall within the specified tolerance range, corrective action by the Contractor will be required.

330A-9.1.3 Rain, and Surface Conditions

Transportation of asphalt mixtures shall immediately cease from the plant when rain begins at the Roadway. Asphalt mixtures shall not be placed while rain is falling, or when there is water on the surface to be covered. As an exception, mixture caught in transit may be placed at the Contractor's risk if the only option is to waste this mixture, and provided the surface has been tacked (as required) prior to the rain and the surface broomed in front of the spreading operation. Such mixture will be evaluated separately and if it should prove unsatisfactory in any way, in the opinion

of the Engineer, it shall be removed and replaced with satisfactory mixture at the Contractor's expense.

330A-9.1.4 Speed of Spreader

The forward speed of the asphalt spreader shall be as established by the Engineer.

330A-9.1.5 Number of Crews Required

For each paving machine operated, the Contractor will be required to use a separate crew, each crew operating as a full unit. The Contractor's Certified Paving Technician in charge of the paving operations may be responsible for more than one crew but must be physically accessible to Project personnel at all times when mix is being placed.

330A-9.1.6 Checking Depth of Layer

The depth of each layer shall be checked at frequent intervals and adjustments shall be made when the thickness exceeds the allowable tolerance. When an adjustment is made, the paving machine shall be allowed to travel a minimum distance of 32 feet to stabilize before the second check is made to determine the effects of the adjustment.

330A-9.1.7 Hand Spreading

In limited areas where the use of the spreader is impossible or impracticable, the mixture may be spread and finished by hand.

330A-9.1.8 Straightedging and Back-patching

Straightedging and back-patching shall be done after initial compaction has been obtained and while the material is still hot.

330AA-9.2 Requirements Applicable to Courses Other Than Leveling

330A-9.2.1 Spreading and Finishing

Upon arrival, the mixture shall be dumped in the approved mechanical spreader and immediately spread and struck-off to the full width required and to such loose depth for each course that, when the Work is completed, the required weight of mixture per square yard, or the specified thickness, will be secured. An excess amount of mixture shall be carried ahead of the screed at all times. Hand raking shall be done behind the machine as required.

330A-9.2.2 Thickness of Layers

Unless otherwise noted in the Plans each course shall be constructed in layers of the thickness shown on Standard FDOT Index No. 513. Type S-III Asphaltic Concrete sball be constructed in layers of the thickness of not less than 3/4 inch nor greater than 1 1/4 inches.

330A-9.2.3 Laying Width

If necessary due to the traffic requirements, the mixture shall be laid in strips in such a manner as to provide for the passage of traffic. Where the Road is closed to traffic, the mixture may be laid to the full width, by machines traveling in echelon.

330A-9.2.4 Correcting Defects

Before any rolling is started the surface sball be checked, any irregularities adjusted, and all drippings, fat sandy accumulations from the screed, and fat spots from any source shall be removed and replaced with satisfactory material. No skin patching shall be done. When a depression is to be corrected while the mixture is hot, the surface shall be well scarified before the addition of fresh mixture.

330A-9.3 Requirements Applicable Only to Leveling Courses

330A-9.3.1 Patching Depressions

Before any leveling course is spread, all depressions in the existing surface more than one-inch deep shall be filled by spot patching with leveling course mixture and then thoroughly compacted.

330A-9.3.2 Spreading Leveling Courses

All courses of leveling shall be placed by the use of two motor graders - one of which is equipped with a spreader box - unless otherwise shown in the Plans. Other types of leveling devices may be used after they have been approved by the Engineer.

330A-9.3.3 Rate of Application

When the total asphalt mix provided for leveling exceeds 50 pounds per square yard, the mix shall be placed in two or more layers, with the average spread of any layer not to exceed 50 pounds per square yard. When Type S-III Asphaltic Concrete is used for leveling, the average spread of a layer shall not be less than 50 pounds per square yard nor more than 75 pounds per square yard. The quantity of mix for leveling shown in the Plans represents the average for the entire project; however, the rate of application may vary throughout the project as directed by the Engineer. When leveling in connection with base widening, the Engineer may require that all the leveling mix be placed prior to the widening operation.

330A-9.3.4 Placing Leveling Course over Existing Pavement

When a leveling course is specified to be placed over cracked concrete pavement (including existing concrete pavement covered with an asphaltic surface), the first layer of leveling shall be placed as soon as possible but no later than 48 hours after cracking the concrete. The remainder of the leveling course shall be placed in the normal sequence of operations.

330A-9.3.5 Removal of Excess 'Joint Material

Where a leveling course is to be placed over existing concrete pavement or Bridge decks, the excess joint filler in the cracks and joints shall be trimmed flush with the surface prior to placing the first layer of the leveling course.

330A-10 Compacting Mixture

330A-10.1 Provisions Applicable to All Types

330A-10.1.1 Equipment and Sequence

For each paving or leveling train in operation, the Contractor shall furnish a separate set of rollers, with their operators.
The following Equipment, sequence and coverage are suggested for use based on past successful performance; however, when density is required, the Contractor may select his own Equipment, sequence and coverage of rolling to meet the minimum density requirement specified. Regardless of the rolling procedure used, the final rolling must be completed before the internal pavement temperature has dropped below 175°F.

(1) Seal rolling, using tandem steel rollers (either vibratory or static) weighing 5 to 12 tons, following as close behind the spreader as is possible without pickup, undue displacement or blistering of the material. Vibratory rollers shall be used in the static mode for layers of one inch or less in thickness.

(2) Rolling with self-propelled pneumatic-tired rollers, following as close behind the seal rolling as the mix will permit. The roller shall cover every portion of the surface with at least five passes.

(3) Final rolling with the 8 to 12-ton tandem steel roller, to be done after the seal rolling and pneumatic-tired rolling have been completed, but before the internal pavement temperature has dropped below 175°F.

Once the Contractor has selected the Equipment and established the rolling procedures and these have been used for the control strip density determination, then the Contractor must continue to use the same Equipment and rolling procedures for all asphalt mix represented by the control strip. Changes in Equipment or procedures will require a new control strip density determination. The Engineer must be notified prior to changing the rolling process.

When density is not required, as for all patching courses, leveling and intermediate courses less than one-inch thick, overbuild course; of variable thicknesses (when the minimum thickness is less than one-inch) and open-graded friction courses, the compaction will be applied in accordance with the Standard Specifications. The specified rolling procedures must be followed when density determinations will not be made.

When density is not required on those courses indicated in the foregoing paragraph, but the Contractor wants to use other rollers, patterns or sequences than those specified, they may request approval from the Department. Approval may be granted for leveling and intermediate courses 1/2-inch and thicker and overbuild courses when these courses are placed with a paving machine. Density requirements will be in accordance with the provisions of the first paragraph of 330AA-10.3 (Density Control- Nuclear Method), Table 330AA-2 and Table 330AA-3. Approval for a change on patching courses, variable thickness leveling courses placed with motor graders and open-graded friction courses will not be granted.

330AA-10.1.2 Compaction at Crossovers, Intersections, etc.

When a separate paving machine is being used to pave the crossovers, the compaction of the crossovers may be done by one 8- to 10-ton tandem steel roller. If crossovers, intersections and acceleration and deceleration lanes are placed with the main run of paving, a traffic roller shall also be used in the compaction of these areas.

330A-10.1.3 Rolling Procedures

The initial rolling shall be longitudinal. Where the lane being placed is adjacent to a previously placed lane, the center joint shall be pinched or rolled, prior to the rolling of the rest of the lane.

Rolling shall proceed across the mat, overlapping the adjacent pass by at least six inches. The motion of the roller shall be slow enough to avoid displacement of the mixture, and any displacement shall be corrected at once by the use of rakes, and the addition of fresh mixture if required. Final rolling shall be continued until all roller marks are eliminated.

330A-10.1.4 Speed of Rolling

Rolling with the self-propelled, pneumatic-tired rollers shall proceed at a speed of 6 to 10 miles per hour, and the area covered by each roller shall not be more than 4,000 square yards per hour, except that for Type S Asphaltic Concrete, this maximum rate of coverage shall be 3,000 square yards per hour.

330A-10.1.5 Number of Pneumatic-tired Rollers Required

A sufficient number of self-propelled pneumatic-tired rollers shall be used to assure that the rolling of the surface for the required number of passes will not Delay any other phase of the laying operation nor result in excessive cooling of the mixture before the rolling is complete. In the event that the rolling falls behind, the laying operation shall be discontinued until the rolling operations are sufficiently caught up.

330A-10.1.6 Compaction of Areas Inaccessible to Rollers

Areas which are inaccessible to a roller (such as areas adjacent to curbs, headers, gutters, bridges; manholes, etc.) shall be compacted by the use of hand tamps or other satisfactory means.

330A-10.1.7 Rolling Patching and Leveling Courses

Self-propelled pneumatic-tired rollers shall be used for the rolling of all patching and leveling courses. Where the initial leveling course is placed over broken concrete pavement, the pneumatic-tired roller shall weigh at least 15 tons. For Type S-III Asphaltic Concrete leveling courses, the use of a steel-wheeled roller, to supplement the traffic rollers, will be required. On other leveling courses, the use of a steel-wheeled roller will be required on all passes after the first.

330A-10.1.8 Correcting Defects

The rollers shall not be allowed to deposit gasoline, oil or grease onto the pavement, and any areas damaged by such deposits shall be removed and replaced as directed by the Engineer. While rolling is in progress, the surface shall be tested continuously and all discrepancies corrected to comply with the surface requirements. All drippings, fat or lean areas and defective construction of any description shall be removed and replaced. Depressions which develop before the completion of the rolling shall be remedied by loosening the mixture and adding new mixture to bring the depressions to a true surface. Should any depression remain after the final compaction has been obtained, the full depth of the mixture shall be removed and replaced with sufficient new mixture to form a true and even surface. All high spots, high joints and honeycomb shall be corrected as directed by the Engineer. Any mixture remaining unbonded after rolling shall be removed and replaced. Any mixture which becomes loose or broken, mixed or coated with dirt or in any way defective, prior to laying the wearing course shall be removed and replaced with fresh mixture which shall be immediately compacted to conform with the surrounding area.

330A-10.1.9 Use of Traffic Roller on First Overbuild Course

A self-propelled pneumatic-tired roller shall be used on the first overbuild course. Coverage shall be a minimum of five passes.

330A-10.1.10 Use of Traffic Roller on First Structural Layer Placed on a Milled Surface

A self-propelled pneumatic-tired roller shall be used on the first structural layer placed on a milled surface. Coverage shall be a minimum of three passes.

330A-10.2 Provisions Applicable to Shoulder Pavement Only

Shoulder pavements wider than three feet shall be compacted by the use of Equipment of the type required for other asphaltic concrete pavements. Density determinations will be required on shoulder pavements wider than three feet when the thickness is one-inch or greater. These density determinations (including the control strip) will be separate from the pavement lane even when the pavement lane and shoulder are placed in the same pass.

Density determinations will not be required on asphaltic concrete or sand-asphalt hot mix shoulders three feet or less in width. The compactive effort shall be done by the use of tandem steel rollers not exceeding 12 tons in weight. In restricted areas other Equipment that will effectively exert a compactive effort may be approved by the Engineer. The Contractor shall state

what Equipment and compactive effort (coverage) is proposed to be used. This must be approved by the Engineer before the Contractor starts the operation. Where sand-asphalt hot mix shoulders are constructed within the limits of curb and gutter, compaction shall be done by light weight rolling Equipment, approved by the Engineer, which will not displace the previously constructed curb and gutter.

330A-10.3 Density Control

330A-10.3.1 Density Control Nuclear Method

The in-place density of each course of asphalt mix construction, with the exceptions of patching courses, leveling and intermediate courses less than one-inch thick or a specified spread rate less than 100 pounds per square yard, overbuild courses where the minimum thickness is less than one-inch, and open-graded friction courses, shall be determined by the use of the Nuclear Density Backscatter Method as specified by FM 1-T238 (Method B). The required density of a completed course shall be at least 98 percent of the average density of the control strip.

330A-10.3.2 Control Strips

One or more control strips shall be constructed for the purpose of determining the control strip density. A control strip shall be constructed at the beginning of asphalt construction and one thereafter for each successive course. Any change in the composition of the mix will require the construction of a new control strip. The Engineer may require an additional control strip when he deems it necessary to establish a new control strip density or conform the validity of the control strip density being used at that time. The Contractor may request a conformation of the control strip density also. The control strip must be constructed as a part of a normal day's run. The Contractor will not be permitted to construct the control strip separately.

The length of the control strip shall be 300 feet, regardless of the width of the course being laid. When the control strip is to be constructed for the first day of asphalt construction or at the beginning of a new course, it shall be started between 500 and 1,000 feet from the beginning of the paving operation. The thickness of the control strip shall be the same as that specified for the course of which it is a part. The control strip will be constructed using the same mix, the same paving and rolling Equipment and the same procedures as those used in laying the asphalt course of which the control strip is to become a part. Every control strip will remain in place and become a portion of the completed Roadway.

When the compaction of the control strip has been completed, ten density determinations will be made at random locations within the control strip. No determinations will be made within one foot of any unsupported edge. The average of these ten determinations will be the Control Strip Density. For purposes of determining the percent of Laboratory density, as required in Table 330AA-2, a correction factor will be developed from cores or by direct transmission nuclear determination where applicable.

(a) The lab density shall be calculated to the nearest 0.01 percent and rounded to the nearest 0.1 percent.

In the event that a control strip meeting the requirements of Table 330AA-2 is not obtained, and this particular mix, layer, etc., is completed on the project, density shall be evaluated in accordance with FM 5-543 (Determining Density of Asphalt Pavement Layers When a Valid Control strip is not obtained).

Table 330AA-2
Roadway Requirements for Bituminous Concrete Mixes

Mix Type	Density*	Minimum Control Strip Density (%)	Surface* Tolerance
S-I	X	96 Lab. Dens.	X
S-II	X	96 Lab. Dens.	X
S-III	X	96 Lab. Dens.	X
Type II	X	96 Lab. Dens.	X
Type III	X	96 Lab. Dens.	X
SAHM	X	96 Lab. Dens.	X
ABC-1	X	96 Lab. Dens.	**
ABC-2	X	96 Lab. Dens.	**
ABC-3	X	96 Lab. Dens.	**
FC-1	X	96 Lab. Dens.	X
FC-2	No Density Required	96 Lab. Dens.	X
FC-4	X	96 Lab. Dens.	X

*X – Denotes that test is required.
** – Shall meet the straightedge requirements of 200-7.

330A-10.3.3 LOTs

For the purpose of acceptance and partial payment, each day's production will be divided into Lots. The standard size of a Lot shall consist of 5,000 lineal feet of any pass made by the paving train regardless of the width of the pass or the thickness of the course. Pavers traveling in echelon will be considered as two separate passes. When at the end of a day's production or the completion of a given course or at the completion of the project, a partial Lot occurs, then the Lot size will be redefined as follows: If the partial Lot contains one or two sublots with their appropriate test results, then the previous full-size Lot will be redefined to include this partial Lot and the evaluation of the Lot will be based on either six or seven sublot determinations. If the partial Lot contains three or four sublots with their appropriate test results, this partial Lot will be redefined to be a whole Lot and the evaluation of it will be based on the three or four sublot determinations.

For the standard size Lot (5,000 lineal feet), five density determinations - one for each sublot - will be made at random locations within the Lot. but not to be taken within one foot of any unsupported edge. The random locations will be determined by the use of statically derived random number tables furnished by the Department. These will also be used for partial Lots, For the Contractor to receive full payment for density, the average density of a Lot will be a minimum of 98.0 percent

of the control strip density. Once the average density of a Lot has been determined the Contractor will not be permitted to provide additional compaction to raise the average.

330A-10.3.4 Acceptance: The completed pavement will be accepted with respect to density on a Lot basis. Partial payment will be made for those Lot's that have an average density less than 98.0 percent of the Control Strip Density based on the following schedule:

Table 330AA-3 Payment Schedule for Density	
Percent of Control Strip Density*	**Percent of Payment**
98.0 and above	100
97.0 to less than 98.0	95
96.0 to less than 97.0	90
**Less than 96.0	75

*In calculating the percent of control strip density, *do not round off* the final percentage.

**If approved by the Engineer based on an engineering determination that the material is acceptable to remain in place, the Contractor may accept the indicated partial pay, otherwise the Department will require removal and replacement at no cost. The Contractor has the option to remove and replace at no cost to the Department at any time.

330A-10.3.5 Density Requirements for Small Projects

For projects less than 1,000 linear feet in length and Bridge projects with approaches less than 1,000 linear feet each side, the requirements for control strips and nuclear density determination will not apply. The Contractor will use the standard rolling procedures as specified in 330A-10. The provisions for partial payment do not apply to these small projects.

330A-11 Joints

330A-11.1 Transverse Joints

Placing of the mixture shall be as continuous as possible and the roller shall not pass over the unprotected end of the freshly laid mixture except when the laying operation is to be discontinued long enough to permit the mixture to become chilled. When the laying operation is thus interrupted, a transverse joint shall be constructed by cutting back on the previous run to expose the full depth of the mat.

330A-11.2 Longitudinal Joints

For all layers of pavement except the leveling course, placing of each layer shall be accomplished to cause longitudinal construction joints to be offset 6 to 12 inches laterally between successive layers. The Engineer may waive this requirement where offsetting is not feasible due to the sequence of construction.

330A-11.3 General: When fresh mixture is laid against the opposite edges of joints (trimmed or formed as provided above), it shall be placed in close contact with the exposed edge so that an even, well-compacted joint will be produced after rolling.

330A-12 Surface Requirements

330A-12.1 Contractor Responsibility

The Contractor shall be responsible for obtaining a smooth surface on all pavement courses placed and therefore should straightedge all intermediate and final courses with a I5-foot rolling straightedge. A I5-foot manual straightedge shall be furnished by the Contractor and shall be available at the job site at all times during the paving operation for checking joints and surface irregularities.

330A-12.2 Texture of the Finished Surface of Paving Layers

The finished surface shall be of uniform texture and compaction. The surface shall have no pulled, tom, or loosened portions and shall be free of segregation, sand streaks, sand spots, or ripples. Any area of the surface which does not meet the foregoing requirements shall be corrected in accordance with 330A-12.4.

Unless written permission is obtained, asphalt concrete mixtures containing aggregates which will cause a different color appearance shall not be used in the final wearing surface in sections less than one mile in length.

330A-12.3 Acceptance Testing for Surface Tolerance

330A-12.3.1 General

Acceptance testing for surface tolerance will be applicable to pavement lanes and ramps, where the width is constant, and shall include all construction joints.

Intersections, tapers, crossovers, transitions at beginning and end of project, and similar areas will not be tested for surface tolerance with the rolling straightedge as provided below. However, any individual surface irregularity in these areas in excess of 3/8 inch as determined by a 15-foot straightedge, and deemed by the Department to be objectionable, shall be corrected in accordance with 330A-12.4.

When the Department is ready to perform acceptance testing for surface tolerance, the Contractor shall provide the required traffic control in accordance with standard maintenance of traffic requirements specified in the Contract. The cost of this traffic control shall be included in the Contract Bid prices for the asphalt items.

The Contractor shall also provide a representative to be present during the entire operation of straight edging for acceptance purposes.

330A-12.3.2 Test Method

Acceptance testing shall consist of one pass of a standard IS-foot rolling straightedge operated along the centerline of each lane tested. This does not preclude acceptance testing lit other locations within the lane being tested.

330A-12.3.3 Acceptance Criteria for Last Layer Prior to Friction Course

The Contractor shall furnish and operate an acceptable 15-foot rolling straightedge for testing of the last layer prior to the friction course as directed by the Engineer and supervised by project personnel. All deficiencies in excess of 3/16-inch shall be corrected in accordance with 330A-12.4 and retested as necessary prior to placement of the friction course. Where the final surface is not a friction course, acceptance criteria shall be in accordance with 330A-12.3.4.

330A-12.3.4 Acceptance Criteria for Final Surface or Friction Course

Upon completion of the final surface or friction course, district Materials personnel will test the finished surface with a 15-foot rolling straightedge. All deficiencies in excess of 3/l6th inch shall be corrected in accordance with 330A-12.4, except that correction by overlaying will not be permitted when the final surface is a friction course.

The Engineer may waive corrections specified above if an engineering determination indicates that the deficiencies are sufficiently separated so as not to significantly affect the ride quality of the pavement and corrective action would unnecessarily mar the appearance of the finished pavement.

Where the Engineer elects to waive correction and the finished pavement surface is a friction course, the pay quantity for Asphaltic Concrete Friction Course will be reduced by the amount of friction course which would have been removed and replaced if the correction had been made (100 ft. X lane width).

Where the Engineer elects to waive a correction and the finished pavement surface is other than a friction course, the appropriate pay quantity for Asphaltic Concrete shall be reduced by the equivalent quantity of Materials which would have been removed and replaced if the correction had been made.

(a) Where the pay quantity is in square yard, the reduction is based on the area which would have been removed (100 feet X lane width) multiplied by the ratio of the layer thickness to the total thickness of the type of mix specified.

(b) Where the pay quantity is in tons, the reduction is based on the volume which would have been removed (100 feet X lane width X layer thickness) multiplied by the Laboratory density for the mix.

330A-12.4 Correcting Unacceptable Pavement

The Contractor has the option of selecting one of the following methods unless overlaying is prohibited in accordance with 330A-12.3.4:

(a) Removing and Replacing: If correction is made by removing and replacing the pavement, the removal must be for the full depth of the course and extend at least SO feet on either side of the defective area, for the full width of the paving lane.

(b) Overlaying: If correction is made by overlaying, the overlay shall cover the length of the defective area and taper uniformly to a featheredge thickness at a minimum distance of SO feet on either side of the defective area. The overlay shall extend full width of the Roadway. Care shall be taken to maintain the specified cross slope. The mix used for the overlay may be adjusted as necessary for this purpose by the District Bituminous Engineer.

(c) Other Methods: For courses which will not be the final pavement surface, correction of minor straightedge deficiencies by methods other than specified above shall be approved by the District Bituminous Engineer.

The cost of all corrective Work, either by removing and replacing or by overlaying, shall be borne by the Contractor.

330A-13 Protection or Finished Surface

Sections of newly compacted asphaltic concrete which are to be covered by additional courses shall be kept clean until the successive course is laid.

No dumping of embankment or base material directly on the pavement will be permitted. Dressing of shoulders shall be completed before placement of the friction course on adjacent pavement.

Blade graders operating adjacent to the pavement during shoulder construction shall have a two-inch by eight-inch (or larger) board (or other attachment providing essentially the same results) attached to their blades in such manner that it extends below the blade edge, in order to protect the pavement surface from damage by the grader blade.

To prevent rutting or other distortion, sections of newly finished dense-graded friction course and the last structural layer prior to the friction course shall be protected from traffic until the surface temperature has cooled below 160°F.

The Contractor may use artificial methods to cool the pavement to expedite paving operations. The Department may direct the Contractor to use artificial cooling methods when, in the opinion of the Engineer, maintenance of traffic requires opening the pavement to traffic at the earliest possible time.

330A-14 Correcting Deficient Thickness

330A-14.1 Allowable Deficiencies

When the pavement is to be paid for on a square yard basis, the thickness shall be determined from the length of the co-borings, as specified in 330A-15.1. The maximum allowable deficiency from the specified thickness shall be as follows:

(1) For pavement of a specified thickness of 2 1/2 inches or more: 1/2 inch.

(2) For pavement of a specified thickness of less than 2 1/2 inches: 1/4 inch.

330A-14.2 Pavement Exceeding Allowable Deficiency in Thickness

330A-14.2.1 When Deficiency is Seriously in Excess

Where the deficiency in thickness is: (1) in excess of 3/8 inch, for pavement of less than 2 1/2 inches in specified thickness, or, (2) in excess of 3/4 inch, for pavement of specified thickness of 2 1/2 inches or more, the Contractor shall correct the deficiency either by replacing the full thickness for a length extending at least 50 feet from each end of the deficient area, or (when permitted by the Engineer) by overlaying as specified in 330A-14.2.3.

As an exception to the above, pavement outside the main Roadway area (acceleration and deceleration lanes and crossovers) may be left in place, without compensation when 80 permitted by the Engineer, even though the thickness deficiency exceeds the tolerance specified above.

The Contractor will receive no compensation for any pavement removed, nor for the Work of removing such pavement.

330A-14.2.2 When Deficiency is Not Seriously in Excess

When the deficiency in the thickness of the pavement is over 1/4 inch but not more than 3/8 inch, for pavement of specified thickness less than 2 1/2 inches; or when the deficiency in thickness is over 1/2 inch but not more than 3/4 inch, for pavement of specified thickness of 2 1/2 inches or greater; the Contractor will be allowed to leave such pavement in place, but without compensation. The areas of such pavement for which no square yard payment will be made shall be the product of the total distance between acceptable cores, multiplied by the width of the lane which was laid at the particular pass in which deficient thickness was indicated. All costs of the overlaying and compacting sha11 he borne by the Contractor.

330A-14.2.3 Correcting Deficiency by Adding New Surface Material

For any case of excess deficiency of the pavement, the Contractor will be permitted, if approved by the Engineer for each particular location, to correct the deficient thickness by adding new surface material and compacting to the same density as the adjacent surface. The area to f be corrected and the thickness of new material added shall be as specified in 330A-12.3.

All costs of the overlaying and compacting shall be borne by the Contractor.

330A-15 Calculations for Thickness of Pavement to be Paid for (Applicable Only Where the Pavement is to be Paid for by the Square Yard)

330A-15.1 Core Borings

When the Department is ready to core the finished asphalt construction for thickness as required for acceptance testing, the Contractor shall provide the required traffic control in accordance with standard maintenance of traffic requirements specified in the Contract. The cost of this traffic control shall be included in the Contract Bid prices for the asphalt items.

The Contractor shall provide a representative to be present during the entire coring operations for acceptance purposes.

The thickness of the pavement shall be determined from the length of cores, at least two inches in diameter, taken at random points on the cross section and along the Roadway. Each core shall represent a section of Roadway no longer than 200 feet regardless of the number of lanes. Thickness determinations for paved shoulders and widening shall be separate from the mainline Roadway and shall represent a section no longer than 400 feet for each shoulder or- widening. The average thickness shall be determined from the measured thicknesses, and in accordance with the procedure and criteria specified herein.

If the Contractor believes that the number of cores taken by the Department is insufficient to properly indicate the thickness of the pavement, he may request the Department to make additional borings at locations designated by him. The cost of these additional borings shall be deducted from any sums due the Contractor unless such borings indicate that the pavement within the questioned area is of specified thickness.

330A - 15. 2 Criteria for Calculations DELETE AND SUBSTITUTE THE FOLLOWING:

The calculation for asphaltic concrete pavement to be paid for under this section shall be the area in square yards completed and accepted with the length to be used in the calculation being the actual length measured along the surface and the width as shown on the Plans. The thickness to be paid shall be as shown on the Typical Section in the Plans.

Areas of deficient thickness - pavement which is left in place with no compensation (as specified in 330A-14.2), shall not be taken into account in the calculation.

Where areas of defective surface or deficient thickness are corrected by overlaying with additional material, the thickness used in the calculations shall be the thickness specified on the Typical Section for such areas.

END OF SECTION

SECTION 331
TYPE S ASPHALTIC CONCRETE

SECTION 331 IS ADDED TO THIS SPECIFICATION

331-1 Description

This Section specifies the Materials, the composition, and physical test properties for Type S Asphaltic Concrete (Type S-I, Type S-II or Type S-III as specified by the Contract or when offered as alternates. The composition, and physical test properties for all mixes, including Type S Asphaltic Concrete (S-I, S-II and S-III) are shown in the following Table 331-1 and Table 331-2.

Where Type S Asphaltic Concrete is specified in the Contract, if approved by the Engineer, the Contractor may also select Type S-III Asphaltic Concrete as an alternate for the final surface (no friction course specified) and as the final layer of structural course only, prior to the friction course. Type S-II Asphaltic Concrete will not be permitted as the final layer prior to the friction course. Requirements for plant and Equipment shall be as specified in Section 320. General construction requirements shall be as specified in Section 330A.

Table 331-1

Percent By Weight Total Aggregate Passing Sieves*

Type	3/4	½	3/8	No.4	No. 10	No. 40	No. 80	No. 200
S-I	100	88-100	75-93	47-75	31-53	19-35	7-21	2-6
S-II**	83-98	71-87	62-78	47-63	33-49	19-35	9-18	2-6
S-III		100	88-100	60-90	40-70	20-45	10-30	2-12
Type II		100	90-100	80-100	55-90			2-10
Type III		100	80-100	65-100	40-75	20-45	10-30	0-12
SAHM		100						0-12
ABC-l		100						0-12
ABC-2		100			55-90			2-10
ABC-3***	70-100			30-70	20-60	10-40		2-8
FC-l		100			55-85			2-5
FC-2****		100	85-100	10-40	4-12			2-6
FC-4		100			75-90			2-6

*In inches, except where otherwise indicated. Number sieves are U.S. Standard sieve series.
**100% passing 1 1/4-inch sieve and 94-100% passing I-inch sieve.
***100% passing 1 1/2-inch sieve.
****The design range for the No. 10 sieve may be increased for lightweight aggregates.

Table 331-2 Marshall Design Properties for Bituminous Concrete Mixes					
Mix Type	**Minimum Marshall Stability (lbs.)**	**Flow* (0.01 in.)**	**Minimum VMA (%)**	**Air Voids (%)**	**Minimum Effective Asphalt Content (%)**
S-I	1500	8-14	14	3-5	5.0
S-II	1500	8-14	13	3-5	5.0
S- III	1500	8-14	15	3-7	5.5
Type II	500-750	7-16	18	5-16	6.0
Type III	750-1000	7-16	15	5-12	5.5
SAHM	300-500	7-16	15	5-16	6.0
ABC-l	500	7-16	15	5-16	6.0
ABC-2	750	7-16	15	5-14	5.5
ABC-3	1000	8-14	14	3-7	5.0
FC-l	500	7-14	15	8-14	5.5
FC-2	-	-	-	-	-
FC-4	500	7-14	15	12-16	5.0

*The maximum Flow for the mix design shall be one point less than shown in the Table. The maximum Flow values shown apply only during production.

Work will be accepted on a LOT to LOT basis in accordance with the applicable requirements of Sections 5, 6, and 9. The size of the LOT will be as specified in 331-5 for the bituminous mixture produced at the plant and as stipulated in 330A-10 and 330A-12 for the material placed on the Roadway.

331-2 Materials

331-2.1 General Specifications

The Materials used shall conform with the requirements specified in Division III. Specific references are as follows:

(1) Asphalt Cement Viscosity Grade AC-30	916-1
(2) Mineral Filler	917-1 and 917-2
(3) Coarse Aggregate, Stone, Slag or Crushed Gravel	Section 901*
(4) Fine Aggregate	Section 902

*Gravel for use in asphalt concrete mixtures shall be crushed. In addition, the asphalt concrete mixtures containing crushed gravel as the course aggregate component must show no potential for stripping during Laboratory testing, before approval of the mix design.

Reclaimed Portland Cement Concrete Pavement may be used as a coarse aggregate or screenings component subject to meeting all applicable Specifications.

All Materials shipped to the asphalt plant will be sampled at their destination.

331-2.2 Specific Requirements

331-2.2.1 Condition of Aggregate

The aggregate shall be clean and shall contain no deleterious substances. Coarse or fine aggregate containing any appreciable amount of phosphate shall not be used.

331-2.2.2 Fine Aggregate and Mineral Filler

In Laboratory tests, and for the purpose of proportioning the paving mixture, all material passing the No. 10 sieve and retained on the No. 200 sieve, shall be considered as fine aggregate, and the material passing the No. 200 sieve shall be considered as mineral filler.

331-2.2.3 Screenings

Any screenings used in the combination of aggregates shall contain not more than 15 percent of material passing the No. 200 sieve. When two screenings are blended to produce the screening component of the aggregate, one of such screenings may contain up to 18 percent of material passing the No. 200 sieve, as long as the combination of the two does not contain over 15 percent material passing the No.200 sieve. Screenings may be washed to meet these requirements.

331-2.2.4 Use of Reclaimed Asphalt Pavement

Reclaimed asphalt pavement may be used as a component material of the bituminous mixture subject to the following:

1. The Contractor shall be responsible for the design of asphalt mixes which incorporate reclaimed asphalt pavement as a component part.

2. Reclaimed asphalt pavement shall not exceed 60 percent by weight of total aggregates for Asphalt Base Courses nor more than 35 percent by weight of total aggregates for Structural and Leveling Courses, Reclaimed asphalt pavement shall not be used in Friction Courses.

3. A 3 ½" grizzly shall be mounted over the reclaimed asphalt pavement cold bin. If oversize material shows up in the mix, the size of openings shall be reduced.

4. The reclaimed asphalt pavement material as stockpiled shall be reasonably uniform in characteristics and shall not contain aggregate particles which are soft or conglomerates of fines.

331-2.2.5 Recycling Agents

When reclaimed asphalt pavement is approved for use as a component material, a recycling agent meeting the requirements specified in 916A-2 shall be used in the mix.

331-3 Permissible Variation for the Coarse Aggregate

The aggregate or aggregates shipped to the job shall be sized and uniformly graded or combined in such proportions that the resulting mixture meets the grading requirements of the mix design.

331-4 General Composition of Mixture

331-4.1 General

The bituminous mixture shall be composed of a combination of aggregate (coarse, fine or mixtures thereof), mineral filler, if required, and bituminous material. Not more than 20 percent by weight of the total aggregate used shall be silica sand or local Materials as defined in Section 902. The silica sand and local Materials contained in any reclaimed asphalt pavement material, if used in the mix, shall be considered in this limitation. The several aggregate fractions shall be sized, uniformly graded and combined in such proportions that the resulting mixture will meet the grading and physical properties of the approved mix design.
Reclaimed asphalt pavement meeting the requirements of 331-2.2.4 may be approved as a substitution for a portion of the combination of aggregates, subject to all applicable specification requirements being met.

331-4.2 Grading Requirements

In all cases, the job mix formula shall be within the design ranges specified in Table 331-1.

331-4.3 Mix Design

331-4.3.1 General

Prior to the production of any asphaltic paving mixture, the Contractor shall submit a mix design to the Engineer at least two weeks before the scheduled start of production. The following information shall be furnished:

1. The specific project on which the mixture will be used.

2. The source and description of the Materials to be used.

3. The gradation and approximate proportions of the raw Materials as intended to be combined in the paving mixture.

4. A single percentage of the combined mineral aggregate passing each specified sieve.

5. A single percentage of asphalt by weight of total mix intended to be incorporated in the completed mixture.

6. A single temperature at which the mixture is intended to be discharged from the plant.

7. The Laboratory density of the asphalt mixture, for all mixes except Open-Graded Friction Courses.

8. Evidence that the completed mixture will conform to all specified physical requirements.

9. The name of the individual responsible for the Quality Control of the mixture during production.

In lieu of the above, when reclaimed asphalt pavement is approved for use as a component material, the Contractor shall submit to the Engineer at least two weeks before the scheduled start of production in writing a proposed mix design and samples of all material components.
The following information shall be furnished with the proposed mix design for mixes containing reclaimed asphalt pavement:

1. The specific project on which the mixture will be used.

2. The source and description of the Materials to be used.

3. The gradation and approximate proportions of the raw Materials as intended to be combined in the paving mixture.

4. A single percentage of the combined mineral aggregate passing each specified sieve.

5. A single temperature at which the mixture is intended to be discharged from the plant.

6. The name of the individual responsible for the Quality Control of the mixture during production.

331-4.3.2 Revision of Mix Design

The approved mix design shall remain in effect until a change is authorized by the Engineer. A new design will be required for any change in source of aggregate.

331-4.3.3 Resistance to Plastic Flow

The submitted mix design shall include test data showing that the material as produced will meet the requirements specified in Table 331-2 when tested in accordance with FM 1-T245. Further, the bulk specific gravity of the Laboratory compacted bituminous mixture shall be determined in accordance with FM T-T166.

The percent of unfilled voids and the percent of aggregate voids filled with asphalt shall be based on the maximum specific gravity of the bituminous mixture and on the asphalt content of each group of specimens prepared from the same sample. Maximum specific gravity of the bituminous mixture shall be determined by FM 1-T-209.

331-4.4 Contractor's Quality Control

331-4.4.1 Personnel DELETE IN ITS ENTIRETY

331-4.4.2 Extraction Gradation Analysis

The bituminous mixture will be sampled at the plant in accordance with FM 1-T168. The percent bitumen content of the mixture will be determined in accordance with FM 5-544. The percent passing the standard sieves will be determined in accordance with FM 5-545. All test results will be shown to the nearest 0.01. All calculations will be carried to the 0.001 and rounded to the nearest 0.01, in accordance with the Department's rules of rounding.

The Contractor will run a minimum of one extraction gradation analysis of the mixture for each day's or part of a day's production and immediately following any change in the production process. The quality control sample of mixture for the extraction gradation analysis will be taken each day as soon as the plant operations have stabilized and the results will be obtained in a timely manner so that adjustments can be made if necessary.

Extraction gradation analysis will not be required on the days when mix production is less than 100 tons. However, when mix production is less than 100 tons per day on successive days, the test will be run when the accumulative tonnage on such days exceeds 100 tons.

The target gradation and asphalt content shall be as shown on the mix design. Any changes in target will require a change in the mix design in accordance with 331-4.3.2.

If the percentage of bitumen deviates from the optimum asphalt content by more than 0.55 percent, or the percentage passing any sieve falls outside the limits shown in Table 331-3, the Contractor will make the necessary correction. If the results for two consecutive tests deviate from the optimum asphalt content by more than 0.55 percent, or exceeds the limits as shown in Table 331-3 for any sieve, the plant operation shall be stopped until the problem has been corrected.

The Contractor will maintain control charts showing the results of the extraction gradation analysis (bitumen content and sieve analysis).

Table 331-3
Tolerances for Quality Control Tests
(Extraction Gradation Analysis)

Sieve Size	Percent Passing
1"	
7.0	
3/4"	7.0
1/2"	7.0
3/8"	7.0
No. 4	7.0
No. 10	5.5
No. 40*	4.5
No. 80*	3.0
No. 200	2.0

*Does not apply to SAHM, ABC-l or Type II.

331-4.4.3 Plant Calibration

At or before the start of mix production, a set of hot bin samples for batch or continuous mix plants or belt cut for drum mix plants will be wash graded to verify calibration of the plant. When approved by the Engineer, extraction gradation analysis of the mix may be used to verify calibration of the plant. This extraction gradation analysis may also be used to fulfill the quality control requirements for the first days' production.

331-4.4.4 Viscosity of Asphalt in Mixes Containing Reclaimed Asphalt Pavement

When reclaimed asphalt pavement is a component material, the viscosity of the asphalt material in the bituminous mixture, determined in accordance with FM 1-T202, shall be 6000 +/- 2000 poises. This determination shall be made on samples obtained by the Department on a random basis at a frequency of approximately one per 2000 tons of mix.
If the viscosity is determined to be out of the specified tolerance, the Contractor shall adjust the recycling agent formulation or blend of reclaimed asphalt material used in the mixture to bring the viscosity within tolerance.

331-5 Acceptance of The Mixture
(For This Article, the Term "Lot" Applies to Department Projects)

331-5.1 General

The bituminous mixture will be accepted at the plant, with respect to gradation and asphalt content, on a Lot to Lot basis. The material will be tested for acceptance in accordance with the provisions of 6-4 and the following requirements. However, any load or loads of mixture which, in the opinion of the opinion of the Engineer, are unacceptable for reason of being excessively segregated, aggregates improperly coated, or of excessively high or low temperature shall be rejected for use in the Work.

A standard size Lot at the asphalt plant shall consist of 4000 tons with four equal sublots of 1000 tons each.

A partial Lot may occur due to the following:

(1) The completion of a given mix type on a project.

(2) an approved Lot termination by the Engineer due to a change in process, extended Delay in production, or change in mix design.

If the partial Lot contains one or two sublots with their appropriate test results, then the previous full-size Lot will be redefined to include this partial Lot and the evaluation of the Lot will be based on either five or six sublot determinations. If the partial Lot contains three sublots with their appropriate test results, this partial Lot will be redefined to be a whole Lot and the evaluation of it will be based on three sublot determinations.

When the total quantity of any mix is less than 3000 tons, the partial Lot will be evaluated for the appropriate number of sublots from n = 1 to n = 3. When the total quantity of any mix type is less

than 500 tons, the Department will accept the mix on the basis of visual inspection. The Department may run extraction and gradation analysis for information purposes; however, the provisions for partial payment will not apply.

On multiple project contracts, the Lot(s) at the asphalt plant will carry over from project to project.

331-5.2 Acceptance Procedures

The Contractor shall control all operations in the handling, preparation, and mixing of the asphalt mix so that the percent bitumen and percent passing the No.4, 10, 40 and 200 sieves will meet the approved job mix formula within the tolerance shown in Table 331-5.

Table 331-5
Tolerances for Acceptance Tests

Characteristic	Tolerance*
Asphalt Content (Extraction)	+/-0.55%
Asphalt Content (Printout)	+/-0.15%
Passing No. 4 Sieve	+/-7.00%
Passing No. 10 Sieve	+/-5.50%
Passing No. 40 Sieve**	+/-4.50%
Passing No. 200 Sieve	+/-2.00%

*Tolerances for sample size of n = 1. See Table 331-6 for other sample sizes n=2 through n=6.
**Applies only to Type S-I, S-II, S-III, FC-l and FC-4.

Acceptance of the mixture shall be on the basis of test results on consecutive random samples from each LOT. One random sample shall be taken from each sublot. The bituminous mixture will be sampled at the plant in accordance with FM 1-T 168. The percent bitumen content of the mixture will be determined in accordance with FM 5-544. The percent passing the No.4, No. 10, No. 40 and No. 200 sieves will be determined in accordance with FM 5-545.

Calculations for the acceptance test results for bitumen content and gradation (percent passing No.4, No. 10, No. 40 and No. 200) shall be shown to the nearest 0.01. Calculations for arithmetic averages shall be carried to the 0.001 and rounded to the nearest 0.01 in accordance with the Department's rules of rounding.

When the Contractor or Producer chooses to use a storage bin for mix storage overnight or longer, the material processed in this manner will be handled as follows:

The samples of mix taken for acceptance tests on asphalt content must be taken before the mix is placed into the storage bin. Samples of mix for acceptance tests on gradation shall be taken after the mix has been removed from the storage bin.

Payment will be made on the basis of Table 331-6 Acceptance Schedule of Payment. The process will be considered out of control when any individual test result from a LOT exceeds the 90 percent

pay factor limit for the values in the "one test" column of Table 331-6. When this happens, the LOT will be automatically terminated and the percent of payment will be determined from Table 331-6.

Table 331-6
Acceptance Schedule of Payment - (Asphalt Plant Mix Characteristics)
Average of Accumulated Deviations of the Acceptance Tests from the Mix Design

Pay Factor	1-Test	2-Tests	3- Tests	4-Tests	5- Tests	6-Tests
Asphalt Cement Content (Extraction)						
1.00	0.00-0.55	0.00-0.43	0.00-0.38	0.00-0.35	0.00-0.33	0.00-0.31
0.95	0.56-0.65	0.44-0.50	0.39-0.44	0.36-0.40	0.34-0.37	0.32-0.36
0.90	0.66-0.75	0.51-0.57	0.45-0.50	0.41-0.45	0.38-0.42	0.36-0.39
0.80*	Over 0.75	Over 0.57	Over 0.50	Over 0.45	Over 0.42	Over 0.39
Asphalt Cement Content (Printout)						
1.00	0.00-0.15	0.00-0.15	0.00-0.15	0.00-0.15	0.00-0.15	0.00-0.15
0.95	0.16-0.25	0.16-0.25	0.16-0.25	0.16-0.25	0.16-0.25	0.16-0.25
0.90	0.26-0.35	0.26-0.35	0.26-0.35	0.26-0.35	0.26-0.35	0.26-0.35
0.80*	Over 0.35	Over 0.35	Over 0.35	Over 0.35	Over 0.35	Over 0.35
No. 4 Sieve **						
1.00	0.00-7.00	0.00-5.24	0.00-4.46	0.00-4.00	0.00-3.68	0.00-3.45
0.98	7.01-8.00	5.25-5.95	4.47-5.04	4.01-4.50	3.69-4.13	3.46-3.86
0.95	8.01-9.00	5.96-6.66	5.05-5.62	4.51-5.00	4.14-4.58	3.87-4.27
0.90	9.01-10.00	6.67-7.36	5.63-6.20	5.01-5.50	4.59-5.02	4.28-4.67
0.80*	Over 10.00	Over 7.36	Over 6.20	Over 5.50	Over 5.02	Over 4.67
No. 10 Sieve **						
1.00	0.00-5.50	0.00-4.33	0.00-3.81	0.00-3.50	0.00-3.29	0.00-3.13
0.98	5.51-6.50	4.34-5.04	3.82-4.39	3.51-4.00	3.30-3.74	3.14-3.54
0.95	6.51-7.50	5.05-5.74	4.40-4.96	4.01-4.50	3.75-4.18	3.55-3.95
0.90.	7.51-8.50	5.75-6.45	4.97-5.54	4.51-5.00	4.19-4.63	3.96-4.36
0.80*	Over 8.50	Over 6.45	Over 5.54	Over 5.00	Over 4.63	Over 4.36
No. 40 Sieve **						
1.00	0.00-4.50	0.00-3.91	0.00-3.65	0.00-3.50	0.00-3.39	0.00-3.32
0.98	4.51-5.50	3.92-4.62	3.66-4.23	3.51-4.00	3.40-3.84	3.33-3.72
0.95	5.51-6.50	4.63-5.33	4.24-4.81	4.01-4.50	3.85-4.29	3.73-4.13
0.90	6.51-7.50	5.34-6.04	4.82-5.3	4.51-5.00	4.30-4.74	4.14-4.54
0.80*	Over 7.50	Over 6.04	Over 5.39	Over 5.00	Over 4.74	Over 4.54
No. 200 Sieve **						
1.00	0.00-2.00	0.00-1.71	0.00-1.58	0.00-1.50	0.00-1.45	0.00-1.41
0.95	2.01-2.40	1.72-1.99	1.59-1.81	1.51-1.70	1.46-1.63	1.42-1.57
0.90	2.41-2.80	2.00-2.27	1.82-2.04	1.71-1.90	1.64-1.80	1.58-1.73
0.80*	Over 2.80	Over 2.27	Over 2.04	Over 1.90	Over 1.80	Over 1.73

*If approved by the Engineer based on an engineering determination that the material is acceptable to remain in place, the Contactor may, accept the indicated partial pay. Otherwise, the Department will require removal and replacement at no cost. The Contractor has the option to remove and replace at no cost to the Department at any time.

**When there are two or more reduced payments for these items in one LOT of material, only the greatest reduction in payment will be applied. CAUTION: This rule applies only to these four gradation test

results.
Notes:
(1) The No. 40 Sieve applies only to Type S-I, S-II, S-III, FC-l and FC-4.
(2) Deviations are absolute values with no plus or minus signs.

331-5.3 Automatic Batch Plant with Printout

Acceptance determinations asphalt content for mixtures produced by automatic batch plants with printout will be based on the calculated bitumen content using the printout of the weights of asphalt actually used. Acceptance determinations for gradations (No.4, No. 10, No. 40 and No. 2(0) will be based on the actual test results from extraction gradation analyses. Payment will be made based on the provisions of Table 331-6.

331-5.4 Acceptance on the Roadway

The bituminous mixture will be accepted on the Roadway with respect to compacted density and surface tolerance in accordance with the applicable requirements of 330A-10 and 330A-12.

331-5.5 Additional Tests

The Department reserves the right to run any test at any time for informational purposes and for determining the effectiveness of the Contractor's quality control. The Department will determine the Marshall properties, a minimum of one set per LOT, to determine whether or not the Contractor is meeting the specification requirements. Specimens will be prepared at the plant and transported to the District or Central Lab where they will be tested in accordance with FM 5-511 for Marshall stability and flow, FM 1- T 209 for maximum specific gravity, and FM 1-T166 for density. When the average value of the specimens fails to meet specification requirements for stability or flow, or the air void content is below 3.0 percent (for structural mixes only), the Contractor's plant operations may be stopped until all specification requirements can be met or until another mix design has been approved (any revisions to a mix design shall be made in accordance with 331-4.3.2). When it is determined necessary to cease operations while the problem is being resolved, the approval of the Engineer will be required before resuming production of the mix. At this time the Marshall properties must be verified,

331-6 Compensation

331-6.1 Items for Which Payment Will Be Made

For the Work specified under this Section (including the pertinent provisions of Sections 320 and 330A), payment will be made for the area of the pavement, in square yards (after adjustment to the equivalent area of specified-thickness pavement), or, when so shown, the weight of the mixture, in tons.

331-6.2 Area of Pavement for Which Payment Will Be Made

When the pavement is to be paid for on an area basis, the area to be paid for shall be field measured quantity, omitting any areas not allowed for payment under the provisions of 9-3.2, omitting any areas not allowed for payment under 330A-14.2.

The thickness to be paid for under this section is the thickness shown on the typical section in the Plans.

331-6.3 Payment by Weight of Mixture

Where the pavement is to be paid for by weight, the weight shall be determined as provided in 320-2 (including the provisions for the automatic recordation system).

331-6.4 Bituminous Material DELETE IN ITS ENTIRETY

331-6.5 Work Included in Payment Items

The Contract unit price per ton or per square yard, as applicable, shall be full compensation for all the Work specified under this Section (including the applicable requirements of Sections 320 and 330A).

Payment shall be made under:

Item No. 331-2 – Type S Asphaltic Concrete – per ton.
Item No. 331-72 – Type S Asphaltic Concrete – per square yard.

END OF SECTION

SECTION 334
SUPERPAVE ASPHALT

SECTION 334 SUPERPAVE ASPHALT – DELETE AND SUBSTITUTE THE FOLLOWING:

334-1 Description

334-1.1 General

Construct a Superpave asphalt pavement (consisting of either Hot Mix Asphalt (HMA) or Warm Mix Asphalt (WMA)) based on the type of Work specified in the Contract and the Asphalt Work Categories as defined below. Meet the applicable requirements for plants, Equipment, and construction requirements as defined below. Use an asphalt mix, either HMA or WMA, which meets the requirements of this specification.

334-1.2 Asphalt Work Mix Categories

Construction of asphalt pavement will fall into one of the following Work categories:

334-1.2.1 Asphalt Work Category 1

Includes the construction of shared use paths and miscellaneous asphalt.

334-1.2.2 Asphalt Work Category 2

Includes the construction of new asphalt turn lanes, paved shoulders and other non-mainline pavement locations.

334-1.2.3 Asphalt Work Category 3

Includes the construction of new mainline asphalt pavement lanes, milling and resurfacing.

334-1.3 Mix Types

Use the appropriate asphalt mix as shown in Table 334-1.

Table 334-1 Asphalt Mix Types

Asphalt Work Category	Mix Types	Traffic Level	ESALs (Millions)
1	Type SP-9.5	A	<0.3
2	Structural Mixes: Types SP-9.5 or SP-12.5 Friction Mixes: Types FC-9.5 or FC-12.5	B	0.3 to <3
3	Structural Mixes: Types SP-9.5 or SP-12.5 Friction Mixes: Types FC-9.5 or FC-12.5	C	≥3

A Type SP or FC mix one traffic level higher than the traffic level specified in the Contract may be substituted, at no additional cost (i.e. Traffic Level B may be substituted for Traffic Level A, etc.). Traffic levels are as defined in Section 334 of the Florida Department of Transportation's (FDOT's) Specifications.

334-1.4 Gradation Classification

The Superpave mixes are classified as fine and are defined in 334-3.2.2. The equivalent AASHTO nominal maximum aggregate size Superpave mixes are as follows:

Type SP-9.5, FC-9.5	9.5 mm
Type SP-12.5, FC-12.5	12.5 mm

334-1.5 Thickness

The total pavement thickness of the asphalt pavement will be based on a specified spread rate or plan thickness as shown in the Contract Documents. Before paving, propose a spread rate or thickness for each individual layer meeting the requirements of this specification, which when

combined with other layers (as applicable) will equal the plan spread rate or thickness. When the total pavement thickness is specified as plan thickness, the plan thickness and individual layer thickness will be converted to spread rate using the following equation:

Spread rate (lbs/yd^2) = t x G_{mm} x 43.3

Where: t = Thickness (in.) (Plan thickness or individual layer thickness)
G_{mm} = Maximum specific gravity from the mix design

For target purposes only, spread rate calculations shall be rounded to the nearest whole number.

334-1.5.1 Layer Thicknesses

Unless otherwise called for in the Contract Documents, the allowable layer thicknesses for asphalt mixtures are as follows:

Type SP-9.5, FC-9.5	3/4 to 1-1/2 inches
Type SP-12.5, FC-12.5	1-1/2 to 2-1/2 inches

334-1.5.2 Additional Requirements

The following requirements also apply to asphalt mixtures:

1. When construction includes the paving of adjacent shoulders (less than or equal to 5 feet wide), the layer thickness for the upper pavement layer and shoulder shall be the same and paved in a single pass, unless otherwise called for in the Contract Documents.

2. For overbuild layers, use the minimum and maximum layer thicknesses as above unless called for differently in the Contract Documents. On variable thickness overbuild layers, the minimum allowable thickness may be reduced by 1/2 inch, and the maximum allowable thickness will be as specified below, unless called for differently in the Contract Documents.

Type SP-9.5	3/8 to 2 inches
Type SP-12.5	1/2 to 3 inches

3. Variable thickness overbuild layers may be tapered to zero thickness provided the Contract Documents require a minimum of 1-1/2 inches of mix placed over the variable thickness overbuild layer.

334-1.6 Weight of Mixture

The weight of the mixture shall be determined as provided in 320-3.2 of the FDOT Specifications.

334-2 Materials

334-2.1 Superpave Asphalt Binder

Unless specified elsewhere in the Contract or in 334-2.3.3, use a PG 67-22 asphalt binder from the FDOT's Approved Products List (APL). If the Contract calls for an alternative asphalt binder, meet the requirements of FDOT Specifications Section 336 or 916, as appropriate.

334-2.2 Aggregate

Use aggregate capable of producing a quality pavement. For Type FC mixes, use an aggregate blend that consists of crushed granite, crushed Oolitic limestone, other crushed Materials (as approved by FDOT for friction courses per Rule 14-103.005, Florida Administrative Code), or a combination of the above. Crushed limestone from the Oolitic formation may be used if it contains a minimum of 12% silica material as determined by FDOT Test Method FM 5-510 and FDOT grants approval of the source prior to its use. As an exception, mixes that contain a minimum of 60% crushed granite may either contain:

1. Up to 40% fine aggregate from other sources; or,

2. A combination of up to 20% RAP and the remaining fine aggregate from other.

A list of aggregates approved for use in friction courses may be available on the FDOT's State Materials Office website. The URL for obtaining this information, if available, is: ftp://ftp.dot.state.fl.us/fdot/smo/website/sources/frictioncourse.pdf.

334-2.3 Reclaimed Asphalt Pavement (RAP) Material

334-2.3.1 General Requirements

RAP may be used as a component of the asphalt mixture, provided the RAP meets the following requirements:

1. When using a PG 76-22 (PMA), or PG 76-22 (ARB) asphalt binder, limit the amount of RAP material used in the mix to a maximum of 20% by weight of total aggregate. As an exception, amounts greater than 20% RAP by weight of total aggregate can be used if no more than 20% by weight of total asphalt binder comes from the RAP material.

2. Provide stockpiled RAP material that is reasonably consistent in characteristics and contains no aggregate particles which are soft or conglomerates of fines.

3. Provide RAP material having a minimum average asphalt binder content of 4.0% by weight of RAP. As an exception, when using fractionated RAP, the minimum average asphalt binder content for the coarse portion of the RAP shall be 2.5% by weight of the coarse portion of the RAP. The coarse portion of the RAP shall be the portion of the RAP retained on the No. 4 sieve. The Engineer may sample the stockpile to verify that this requirement is met.

4. Use a grizzly or grid over the RAP cold bin, in-line roller crusher, screen, or other suitable means to prevent oversized RAP material from showing up in the completed recycle mixture. If oversized RAP material appears in the completed recycle mix, take the appropriate corrective action immediately. If the appropriate corrective actions are not immediately taken, stop plant operations.

334-2.3.2 Material Characterization

Assume responsibility for establishing the asphalt binder content, gradation, and bulk specific gravity (G_{sb}) of the RAP material based on a representative sampling of the material.

334-2.3.3 Asphalt Binder for Mixes with RAP

Select the appropriate asphalt binder grade based on Table 334-2. The Engineer reserves the right to change the asphalt binder type and grade during production based on characteristics of the RAP asphalt binder.

Table 334-2 Asphalt Binder Grade for Mixes Containing RAP	
Percent RAP	**Asphalt Binder Grade**
0 - 15	PG 67-22
16 – 30	PG 58-22
> 30	PG 52-28

334-3 Composition of Mixture

334-3.1 General

Compose the asphalt mixture using a combination of aggregates, mineral filler, if required, and asphalt binder material. Size, grade and combine the aggregate fractions to meet the grading and physical properties of the mix design. Aggregates from various sources may be combined.

334-3.2 Mix Design

334-3.2.1 General

Design the asphalt mixture in accordance with AASHTO R 35-12, except as noted herein. Submit the proposed mix design with supporting test data indicating compliance with all mix design criteria to the Engineer. Prior to the production of any asphalt mixture, obtain the Engineer's conditional approval of the mix design. If required by the Engineer, send representative samples of all component Materials, including asphalt binder to a Laboratory designated by the Engineer for verification. As an exception to these requirements, use a currently approved FDOT Mix Design.

Warm mix technologies (additives, foaming techniques, etc.) listed on the Department's website may be used in the production of the mix. The URL for obtaining this information, is: http://www.dot.state.fl.us/statematerialsoffice/quality/programs/warmmixasphalt/index.shtm.

The Engineer will consider any marked variations from original test data for a mix design or any evidence of inadequate field performance of a mix design as sufficient evidence that the properties of the mix design have changed, and at his discretion, the Engineer may no longer allow the use of the mix design.

334-3.2.2 Mixture Gradation Requirements

Combine the aggregates in proportions that will produce an asphalt mixture meeting all of the requirements defined in this specification and conform to the gradation requirements at design as defined in AASHTO M 323-12, Table 3. Aggregates from various sources may be combined.

334-3.2.2.1 Mixture Gradation Classification

Plot the combined mixture gradation on an FHWA 0.45 Power Gradation Chart. Include the Control Points from AASHTO M323-12, Table-3, as well as the Primary Control Sieve (PCS) Control Point from AASHTO M323-12, Table 4. Fine mixes are defined as having a gradation that passes above or through the primary control sieve control point.

334-3.2.3 Gyratory Compaction

Compact the design mixture in accordance with AASHTO T312-12, with the following exceptions: use the number of gyrations at N_{design} as designed in Table 334-3.

Table 334-3 Gyratory Compaction Requirements

Traffic Level	N_{design} Number of Gyrations
A	50
B	65
C	75

334-3.2.4 Design Criteria

Meet the requirements for nominal maximum aggregate size as defined in AASHTO M323-12, as well as for relative density, VMA, VFA, and dust-to-binder ratio as specified in AASHTO M323-12, Table 6. $N_{initial}$ and $N_{maximum}$ requirements are not applicable.

334-3.2.5 Moisture Susceptibility

Test 4 inch specimens in accordance with FDOT Test Method FM 1-T 283. Provide a mixture having a retained tensile strength ratio of at least 0.80 and a minimum tensile strength (unconditioned) of 100 pounds per square inch. If necessary, add a liquid anti-stripping agent from the FDOT's APL or hydrated lime in order to meet these criteria.

In lieu of moisture susceptibility testing, add a liquid anti-stripping agent from the FDOT's APL. Add 0.5% liquid anti-stripping agent by weight of asphalt binder.

334-3.2.6 Additional Information

In addition to the requirements listed above, provide the following information on each mix design:

1. The design traffic level and the design number of gyrations (N_{design}).

2. The source and description of the Materials to be used.

3. The FDOT source number and the FDOT product code of the aggregate components furnished from an FDOT approved source (if required).

4. The gradation and proportions of the raw Materials as intended to be combined in the paving mixture. The gradation of the component Materials shall be representative of the material at the time of use. Compensate for any change in aggregate gradation caused by handling and processing as necessary.

5. A single percentage of the combined mineral aggregate passing each specified. Degradation of the aggregate due to processing (particularly material passing the No. 200 sieve) should be accounted for and identified.

6. The bulk specific gravity (G_{sb}) value for each individual aggregate and RAP component.

7. A single percentage of asphalt binder by weight of total mix intended to be incorporated in the completed mixture, shown to the nearest 0.1%.
8. A target temperature for the mixture at the plant (mixing temperature) and a target temperature for the mixture at the Roadway (compaction temperature). Do not exceed a target temperature of 330°F for PG 76-22 (PMA) and PG 76-22 (ARB) asphalt binders, and 315°F for unmodified asphalt binders.

9. Provide the physical properties achieved at four different asphalt binder contents. One shall be at the optimum asphalt content, and must conform to all specified physical requirements.

10. The name of the mix designer.

11. The ignition oven calibration factor.

12. The warm mix technology, if used.

THIS SPACE LEFT INTENTIONALY BLANK.

334-4 Process Control

Assume full responsibility for controlling all operations and processes such that the requirements of these Specifications are met at all times. Perform any tests necessary at the plant and Roadway to control the process.

334-5 General Construction Requirements

334-5.1 Weather Limitations

Do not transport asphalt mix from the plant to the Roadway unless all weather conditions are suitable for the paving operations.

334-5.2 Limitations of Paving Operations

334-5.2.1 General

Spread the mixture only when the surface upon which it is to be placed has been previously prepared, is intact, firm, dry, clean, and the tack, with acceptable spread rate, is properly broken. Ensure all granular base Materials are properly primed and all asphalt base Materials are properly tacked, prior to paving.

334-5.2.2 Air Temperature

Place the mixture only when the air temperature in the shade and away from the artificial heat meets the requirements of Table 334-4. The minimum ambient temperature requirement may be reduced by 5°F when using a warm mix technology, if mutually agreed to by both the Engineer and the Contractor.

Table 334-4 Ambient Air Temperature Requirements for Paving

Layer Thickness or Asphalt Binder Type	N_{design} Number of Gyrations
≤1 inch	50
Any mixture > 1 inch containing a PG asphalt binder with a high temperature designation ≥ 76°C	45
Any mixture > 1 inch containing a PG asphalt binder with a high temperature designation < 76°C	40

334-5.3 Mix Temperature

Heat and combine the ingredients of the mix in such a manner as to produce a mixture with a temperature at the plant and at the Roadway, within a range of plus or minus 30°F from the target temperature as shown on the mix design. Reject all loads outside of this range. For warm mix asphalt, the Contractor may produce the first five loads of the production day and at other times when approved by the Engineer, at a hot mix asphalt temperature not to exceed 330°F for purposes of heating the asphalt paver. For these situations, the upper tolerance of +30°F does not apply.

334-5.4 Transportation of the Mixture

Transport the mix in trucks of tight construction, which prevents the loss of material and the excessive loss of heat and previously cleaned of all foreign material. After cleaning, thinly coat the inside surface of the truck bodies with soapy water or an asphalt release agent as needed to prevent the mixture from adhering to the beds. Do not allow excess liquid to pond in the truck body. Do not use a release agent that will contaminate, degrade, or alter the characteristics of the asphalt mix or is hazardous or detrimental to the environment. Petroleum derivatives (such as diesel fuel), solvents, and any product that dissolves asphalt are prohibited. Provide each truck with a tarpaulin or other waterproof cover mounted in such a manner that it can cover the entire load when required. When in place, overlap the waterproof cover on all sides so it can be tied down. Cover each load during cool and cloudy weather and at any time it appears rain is likely during transit with a tarpaulin or waterproof cover. Cover and tie down all loads of friction course mixtures.

334-5.5 Preparation of Surfaces Prior to Paving

334-5.5.1 Cleaning

Clean the surface of all loose and deleterious material by the use of power brooms or blowers, supplemented by hand brooming where necessary.

334-5.5.2 Patching and Leveling Courses

As shown in the Plans, bring the existing surface to proper grade and cross-section by the application of patching or leveling courses.

334-5.5.3 Application Over Surface Treatment

Where an asphalt mix is to be placed over a surface treatment, sweep and dispose of all loose material from the paving area.

THIS SPACE LEFT INTENTIONALY BLANK.

334-5.5.4 Tack Coat

Use a rate of application as defined in Table 334-5. Control the rate of application to be within plus or minus 0.01 gallon per square yard of the target application rate. The target application rate may be adjusted by the Engineer to meet specific field conditions. Determine the rate of application as needed to control the operation. When using PG 52-28, multiply the target rate of application by 0.6.

Table 334-5 Tack Coat Application Rates

Asphalt Mixture Type	Underlying Pavement Surface	Target Tack Rate (gal/yd^2)
Base Course, Structural Course, Dense Graded Friction Course	Newly Constructed Asphalt Layers	0.03 minimum
	Milled Surface or Oxidized and Cracked Pavement	0.06
	Concrete Pavement	0.08

334-5.6 Placing Mixture

334-5.6.1 Alignment of Edges

With the exception of pavements placed adjacent to curb and gutter or other true edges, place all pavements by the stringline method to obtain an accurate, uniform alignment of the pavement edge. Control the unsupported pavement edge to ensure that it will not deviate more than plus or minus 1.5 inches from the stringline.

334-5.6.2 Rain and Surface Conditions

Immediately cease transportation of asphalt mixtures from the plant when rain begins at the Roadway. Do not place asphalt mixtures while rain is falling, or when there is water on the surface to be covered. Once the rain has stopped and water has been removed from the tacked surface to the satisfaction of the Engineer and the temperature of the mixture caught in transit still meets the requirements as specified in 334-5.3, the Contractor may then place the mixture caught in transit.

334-5.6.3 Checking Depth of Layer

Check the depth of each layer at frequent intervals to ensure a uniform spread rate that will meet the requirements of the Contract.

334-5.6.4 Hand Work

In limited areas where the use of the spreader is impossible or impracticable, spread and finish the mixture by hand.

334-5.6.5 Spreading and Finishing

Upon arrival, dump the mixture in the approved paver, and immediately spread and strike-off the mixture to the full width required, and to such loose depth for each course that, when the Work is completed, the required weight of mixture per square yard, or the specified thickness, is secured. Carry a uniform amount of mixture ahead of the screed at all times.

334-5.6.6 Thickness Control

Ensure the spread rate is within 10% of the target spread rate, as indicated in the Contract. When calculating the spread rate, use, at a minimum, an average of five truckloads of mix. When the average spread rate is beyond plus or minus 10% of the target spread rate, monitor the thickness of the pavement layer closely and adjust the construction operations.

If the Contractor fails to maintain an average spread rate within plus or minus 10% of the target spread rate for two consecutive days, the Engineer may elect to stop the construction operation at any time until the issue is resolved.

When the average spread rate for the total structural or friction course pavement thickness exceeds the target spread rate by plus or minus 50 pounds per square yard for layers greater than or equal to 2.5 inches or exceeds the target spread rate by plus or minus 25 pounds per square yard for layers less than 2.5 inches, address the unacceptable pavement in accordance with 334-5.10.4, unless an alternative approach is agreed upon by the Engineer.

334-5.7 Leveling Courses

334-5.7.1 Patching Depressions

Before spreading any leveling course, fill all depressions in the existing surface as shown in the Plans.

334-5.7.2 Spreading Leveling Courses

Place all courses of leveling with an asphalt paver or by the use of two motor graders, one being equipped with a spreader box. Other types of leveling devices may be used upon approval by the Engineer.

334-5.7.3 Rate of Application

When using Type SP-9.5 for leveling, do not allow the average spread of a layer to be less than 50 pounds per square yard or more than 75 pounds per square yard. The quantity of mix for leveling shown in the Plans represents the average for the entire project; however, the Contractor may vary the rate of application throughout the project as directed by the Engineer. When leveling in connection with base widening, the Engineer may require placing all the leveling mix prior to the widening operation.

334-5.8 Compaction

For each paving or leveling train in operation, furnish a separate set of rollers, with their operators.

When density testing for acceptance is required, select Equipment, sequence, and coverage of rolling to meet the specified density requirement. Regardless of the rolling procedure used, complete the final rolling before the surface temperature of the pavement drops to the extent that effective compaction may not be achieved or the rollers begin to damage the pavement.

When density testing for acceptance is not required, use a rolling pattern approved by the Engineer.

Use hand tamps or other satisfactory means to compact areas which are inaccessible to a roller, such as areas adjacent to curbs, headers, gutters, bridges, manholes, etc.

334-5.9 Joints

334-5.9.1 Transverse Joints

Construct smooth transverse joints, which are within 3/16 inch of a true longitudinal profile when measured with a 15-foot manual straightedge meeting the requirements of FDOT Test Method FM 5-509. These requirements are waived for transverse joints at the beginning and end of the project and at the beginning and end of Bridge structures, if the deficiencies are caused by factors beyond the control of the Contractor such as no milling requirement, as determined by the Engineer. When smoothness requirements are waived, construct a reasonably smooth transitional joint.

334-5.9.2 Longitudinal Joints

For all layers of pavement except the leveling course, place each layer so that longitudinal construction joints are offset 6 to 12 inches laterally between successive layers. Do not construct longitudinal joints in the wheel paths. The Engineer may waive these requirements where offsetting is not feasible due to the sequence of construction.

334-5.10 Surface Requirements

Construct a smooth pavement with good surface texture and the proper cross slope.

334-5.10.1 Texture of the Finished Surface of Paving Layers: Produce a finished surface of uniform texture and compaction with no pulled, torn, raveled, crushed or loosened portions and free of segregation, bleeding, flushing, sand streaks, sand spots, or ripples. Correct any area of the surface that does not meet the foregoing requirements in accordance with 334-5.10.4.

In areas not defined to be a density testing exception per 334-6.4.1, obtain for the Engineer, three 6 inch diameter Roadway cores at locations visually identified by the Engineer to be segregated. The Engineer will determine the density of each core in accordance with FDOT Test Method FM 1-T 166 and calculate the percent G_{mm} of the segregated area using the average G_{mb} of the Roadway

cores and the representative PC G_{mm} for the questionable material. If the average percent G_{mm} is less than 90.0, address the segregated area in accordance with 334-5.10.4.

334-5.10.2 Cross Slope

Construct a pavement surface with cross slopes in compliance with the requirements of the Contract Documents.

334-5.10.3 Pavement Smoothness

Construct a smooth pavement meeting the requirements of this Specification. Furnish a 15-foot manual and a 15-foot rolling straightedge meeting the requirements of FDOT Test Method FM 5-509.

334-5.10.3.1 Straightedge Testing

334-5.10.3.1.1 Acceptance Testing

Perform straightedge testing in the outside wheel path of each lane for the final (top) layer of the pavement. Test all pavement lanes where the width is constant using a rolling straightedge and document all deficiencies on a form approved by the Engineer. Notify the Engineer of the location and time of all straightedge testing a minimum of 48 hours before beginning testing.

334-5.10.3.1.2 Final (Top) Pavement Layer

At the completion of all paving operations, straightedge the final (top) layer either behind the final roller of the paving train or as a separate operation. Address all deficiencies in excess of 3/16 inch in accordance with 334-5.10.4, unless waived by the Engineer. Retest all corrected areas.

334-5.10.3.1.3 Straightedge Exceptions

Straightedge testing will not be required in the following areas: shoulders, intersections, tapers, crossovers, sidewalks, shared use paths, parking lots and similar areas, or in the following areas when they are less than 250 feet in length: turn lanes, acceleration/deceleration lanes and side Streets. The limits of the intersection will be from stop bar to stop bar for both the mainline and side Streets. In the event the Engineer identifies a surface irregularity in the above areas that is determined to be objectionable, straightedge and address all deficiencies in excess of 3/8 inch in accordance with 334-5.10.4.

334-5.10.4 Correcting Unacceptable Pavement

Correct deficiencies in the pavement layer by removing and replacing the full depth of the layer, extending a minimum of 50 feet on both sides (where possible) of the defective area for the full width of the paving lane, at no additional cost.

334-6 Acceptance of the Mixture

334-6.1 General

The asphalt mixture will be accepted based on the Asphalt Work Category as defined below:

1. Asphalt Work Category 1 – Certification by the Contractor as defined in 334-6.2.

2. Asphalt Work Category 2 – Certification and process control testing by the Contractor as defined in 334-6.3.

3. Asphalt Work Category 3 – Process control testing by the Contractor and acceptance testing by the Engineer as defined in 334-6.4.

334-6.2 Certification by the Contractor

On Asphalt Work Category 1 construction, the Engineer will accept the mix on the basis of visual inspection. Submit a Notarized Certification of Specification Compliance letter on company letterhead to the Engineer stating that all material produced and placed on the project meets the requirements of the Specifications. The Engineer may run independent tests to determine the acceptability of the material.

334-6.3 Certification and Process Control Testing by the Contractor

On Asphalt Work Category 2 construction, submit a Notarized Certification of Specification Compliance letter on company letterhead to the Engineer stating that all material produced and placed on the project meets the requirements of the Specifications, along with supporting test data documenting all process control testing as described in 334-6.3.1. If required by the Contract, utilize an Independent Laboratory as approved by the Engineer for the process control testing. The mix will also require visual acceptance by the Engineer. In addition, the Engineer may run independent tests to determine the acceptability of the material. Material failing to meet these acceptance criteria will be addressed as directed by the Engineer such as but not limited to acceptance at reduced pay, delineation testing to determine the limits of the questionable material, removal and replacement at no cost to the agency, or performing an Engineering analysis to determine the final disposition of the material.

334-6.3.1 Process Control Sampling and Testing Requirements

Perform process control testing at a frequency of once per day. Obtain the samples in accordance with FDOT Method FM 1-T 168. Test the mixture at the plant for gradation (P_{-8} and P_{-200}) and asphalt binder content (P_b). Measure the Roadway density with 6 inch diameter Roadway cores at a minimum frequency of once per 1,500 feet of pavement with a minimum of three cores per day.

Determine the asphalt binder content of the mixture in accordance with FDOT Method FM 5-563. Determine the gradation of the recovered aggregate in accordance with FDOT Method FM 1-T 030. Determine the Roadway density in accordance with FDOT Method FM 1-T 166. The

minimum Roadway density will be based on the percent of the maximum specific gravity (G_{mm}) from the approved mix design. If the Contractor or Engineer suspects that the mix design G_{mm} is no longer representative of the asphalt mixture being produced, then a new G_{mm} value will be determined from plant-produced mix, in accordance with FDOT Method FM 1-T 209, with the approval of the Engineer. Roadway density testing will not be required in certain situations as described in 334-6.4.1. Assure that the asphalt binder content, gradation and density test results meet the criteria in Table 334-4.

Table 334-4 Process Control and Acceptance Values	
Characteristic	**Tolerance**
Asphalt Binder Content (percent)	Target ± 0.55
Passing No. 8 Sieve (percent)	Target ± 6.00
Passing No. 200 Sieve (percent)	Target ± 2.00
Roadway Density (daily average)	Minimum 90.0% of G_{mm}

334-6.4 Process Control Testing by the Contractor and Acceptance Testing by the Engineer

On Asphalt Work Category 3, perform process control testing as described in 334-6.3.1. In addition, the Engineer will accept the mixture at the plant with respect to gradation (P_{-8} and P_{-200}) and asphalt binder content (P_b). The mixture will be accepted on the Roadway with respect to density. The Engineer will sample and test the material as described in 334-6.3.1. The Engineer will randomly obtain at least one set of samples per day. Assure that the asphalt content, gradation and density test results meet the criteria in Table 334-4. Material failing to meet these acceptance criteria will be addressed as directed by the Engineer such as but not limited to acceptance at reduced pay, delineation testing to determine the limits of the questionable material, removal and replacement at no cost to the agency, or performing an Engineering analysis to determine the final disposition of the material.

334-6.4.1 Acceptance Testing Exceptions

When the total quantity of any mix type in the project is less than 500 tons, the Engineer will accept the mix on the basis of visual inspection. The Engineer may run independent tests to determine the acceptability of the material.

Density testing for acceptance will not be performed on widening strips or shoulders with a width of 5 feet or less, variable thickness overbuild courses, leveling courses, any asphalt layer placed on Subgrade (regardless of type), miscellaneous asphalt pavement, shared use paths, crossovers, or any course with a specified thickness less than 1 inch or a specified spread rate less than 100 pounds per square yard. Density testing for acceptance will not be performed on asphalt courses placed on Bridge decks or approach slabs; compact these courses in static mode only. In addition, density testing for acceptance will not be performed on the following areas when they are less than 1,000 feet continuous in length: turning lanes, acceleration lanes, deceleration lanes, shoulders, parallel parking lanes, or ramps. Density testing for acceptance will not be performed in intersections. The limits of the intersection will be from stop bar to stop bar for both the mainline and side Streets. Compact these courses in accordance with a standard rolling procedure approved by the Engineer. In the event that the rolling procedure deviates from the approved procedure, placement of the mix will be stopped.

334-7 Method of Measurement

For the Work specified under this Section, the quantity to be paid for will be the weight of the mixture, in tons.

The Bid price for the asphalt mix will include the cost of the liquid asphalt and the tack coat application as specified in 334-5.5.4. There will be no separate payment or unit price adjustment for the asphalt binder material in the asphalt mix.

334-8 Basis of Payment

334-8.1 General
Price and payment will be full compensation for all the Work specified under this Section.

END OF SECTION

SECTION 570
PERFORMANCE TURF

575-3 CONSTRUCTION METHODS – DELETE AND SUBSTITUTE THE FOLLOWING:

575-3 Construction Methods

Test the area requiring sod per Section 162-5 and forward results to the Engineer. Apply finish soil layer material in accordance with Section162 if determined by the Engineer. Fertilize at the rate as shown in Section 570. If soil layer is not determined to be used on areas to receive sod, scarify or loosen the areas to a depth of 6 inches. On areas where the soil is sufficiently loose, particularly on shoulders and fill slopes, the Engineer may authorize the elimination of the ground preparation. Limit preparation to those areas that can be sodded within 72 hours after preparation. Prior to sodding, thoroughly water areas and allow water to percolate into the soil. Allow surface moisture to dry before sodding to prevent a muddy soil condition.

END OF SECTION

THIS SPACE LEFT INTENTIONALY BLANK.

SECTION 580
LANDSCAPE INSTALLATION

DELETE SECTION 580 LANDSCAPE INSTALLATION, AND SUBSTITUTE THE FOLLOWING, AS AMENDED:

580-1.00 General

580-1.01 Scope of Work

Provide all labor, Materials, Equipment and incidentals required to prepare site to final grade, install landscape trees, plants, sod and irrigation systems in accordance with the Plans and as specified. These Specifications are inclusive of a required guarantee, replacements, clean-up, maintenance services, and maintenance of traffic, all of which shall be included in the unit Bid price for each tree. These Specifications apply to all projects throughout Palm Beach County assigned to the Contractor.

580-1.02 Related Work Specified Elsewhere

Section 585 – Site Maintenance: These provisions shall apply to all Work in Section 580 - Landscape Installation as appropriate.

580-1.03 General Requirements

Refer to the Florida Dept. of Transportation Standard Specifications for Road and Bridge Construction, 2010, as the general operating specification document, however Section 580 Landscaping is deleted and replaced with these Specifications for LANDSCAPE INSTALLATION (SECTION 580) and the SITE MAINTENANCE (SECTION 585). Maintenance of traffic requirements are described in the Contract Documents.

- Comply with all applicable federal, state, county and local codes, ordinances and regulations governing this Work.

- The Work shall be coordinated with other trades to prevent conflicts.

- All planting shall be performed by personnel familiar with planting and maintenance of traffic procedures and under the supervision of a qualified landscape foreman, who shall be on-site at all times during the Work.

- Finish Grade: The Contractor shall verify with the Department that final grade has been achieved and shall perform fine grading if so directed by the Department. The Contractor is responsible for any trees or palms that are planted prior to achieving final grade.

- Prior to commencing Work, the Contractor shall visit the site and ascertain all site conditions, including utilities, structures, slopes, access and available Work space to preclude any misunderstandings and to ensure a trouble-free installation. It shall be the Contractor's responsibility to avoid conflicts with existing underground and overhead utilities and structures. The Contractor shall examine available utility Plans and notify the Department of any conflicts and needed adjustments.

- The Contractor shall notify all utilities servicing the Work area at least 48-hours prior to any excavation so that underground utilities may be located. The Contractor has the responsibility to contact **Sunshine State One-Call of Florida, Inc. at 1-800-432-770** to schedule marking locations of the utilities which subscribe to their service.

- The Contractor shall also call (561) 641-3429 for Palm Beach County Water Utility Locations and call (561) 233-3900 for Palm Beach County Traffic Control Utility Locations. In general, the location of trees will be adjusted rather than adjusting the location of utilities or structures. Refer to 580-3.02 for related requirements.

- Prior to the preparation of planting holes, the Contractor shall ascertain the on-site location of, and take necessary precautions to avoid damage to, all above-ground and underground utilities, underdrain trenches, electrical cables, conduits, utility lines, oil tanks, supply lines, pavement, curbing, traffic control devices, pedestrian signals, building structures, or waterproofing. The Contractor shall properly maintain and protect all such improvements. The Contractor shall be responsible for the cost to repair all damages to such improvements caused by his operations.

- The use of mechanical Equipment within five (5') feet of any building or structure to move plants or Materials shall be approved by the Department prior to its use.

THIS SPACE LEFT INTENTIONALY BLANK.

580-1.04 Applicable Documents

C. Plant nomenclature shall conform to the names given in "The New Royal Horticultural Society Dictionary of Gardening", which is the source cited by the current February, 1998 edition of Florida Grades and Standards for Nursery Plants, by the Florida Dept. of Agriculture and Consumer Services, Division of Plant Industry (henceforth called Florida Grades and Standards).

1. Names of varieties not included therein shall conform generally with names accepted in the nursery trade.

2. Substitutions will be permitted only upon submission of proof that any specified plant is not obtainable or suitable for the location as specified on the plan and upon written authorization of the Department.

D. The Contractor is obligated to be familiar with and understand the following documents in order to comply with the requirements therein to properly perform the Work contemplated in this Contract:

1. All Plans and documents within the Bid package set.

2. The Florida Grades and Standards, (February, 1998 edition).

3. The Florida Dept. of Transportation Standard Specifications for Road and Bridge Construction, (2000 edition – as general operating specification document, excluding Section 580, Landscaping).

4. The Florida Dept. of Transportation, Roadway, and Traffic Design Standards, (January, 2000 edition).

5. The Palm Beach County Streetscape Standards Manual, (current edition).

6. The Manual of Uniform Traffic Control Devices for Streets and Highways, by the Federal Highway Administration, (current edition).

7. The State of Florida Manual on Traffic Control and Safe Practices, (current edition).

8. The Manual of Uniform Minimum Standards for Design, Construction, and Maintenance of Streets and Highways, by F.D.O.T. (current edition).

580-1.05 Quality Control

I. Substitution of Materials and products specified herein, including those meeting "or accepted equal" clauses, shall not be permitted without written authorization from the Department.

J. Plants shall have a habit of growth that is normal for the species and shall be sound, healthy, vigorous and free from insect pests, fungi plant diseases and injuries. No sod with obvious chinch bug or mole cricket damage will be accepted. Any sod roots that appear to be diseased or the detected presence of grubs or other insects within the soil base will result in the sod being rejected.

K. Trees (other than palms) shall be heavily branched and shall have a dominant leader and no crossing branches.

L. All single-trunked palms shall have straight vertical trunks, not re-curved trunks, unless otherwise specifically directed in writing by the Department.

M. Turf grass to be used is St. Augustine "Floratam" and/or Argentine Bahia, Paspalum notatum 'argentine' as indicated in the Plans and pay item notes. Seed and sod shall conform to Section 981 of the FDOT 2004 Standard Specifications for Road and Bridge Construction. The sod must be obtained from a sod farm that has been inspected and certified by the Florida Dept. of Agricultural and Consumer Services, Division of Plant Industry, as free of burrowing nematodes. The sod must exhibit a dark green color and be free of weeds and foreign matter. It must have a leaf blade density of at least 90% and be free of any diseased or insect-damaged leaf tissue. The soil base of the sod must be a minimum of ¾" thick and a maximum of 2" thick and contain a healthy root system as indicated by turgid feeder roots that are white in color.

The Contractor shall be responsible to become familiar with the site and shall match adjacent properties with similar species of sod, or as otherwise specified on the Plans. The cost for the varied species of sod will be paid under the unit price for Sodding, SY. Such price and payment shall be full compensation for all Work and Materials (top soil, fertilizer and water) specified in this Section, including the excavation of the trench for the sod, and the satisfactory disposal of excavation material.

N. Plant material shall be Florida Grade No. 1 or better as outlined under the current edition of Florida Grades and Standards.

5. All plants not listed in Florida Grades and Standards, shall conform to a Florida Grade No. 1 as to: (1) health and vitality; (2) condition of foliage; (3) root system; (4) freedom from pest or mechanical damage; (5) heavily branched and densely foliated according to the accepted normal shape of the species.

6. Undersizing plant Materials or substituting one species or cultivar for another are Contract violations, but have no bearing on plant grading. Undersizing or substituting species or cultivars may be permitted only if authorized by the Department in writing.

7. Verification of specified grades are to be determined at the time of delivery (even for trees inspected, accepted, and tagged by the Contractor with the Department at respective nurseries). Grades determined at the time of delivery inspection or during the course of conducting a regrading inspection shall be based on the growth characteristics and condition of the plant at the time of grading. The grade shall not be based on any future or

predicted growth potential of the plant. Each tree shall be maintained by the Contractor to Florida Grade No. 1 standards until the date of written Final Acceptance by the Department for that tree. The Department is the final authority to determine if a tree does or does not meet Florida Grade No. 1 standards, including health and vigor of the tree.

8. If at any time during plant installations, the Department believes that any trees are not of the specified grade, the Department may, at their discretion, request a regrading inspection by the Division of Plant Industry. Upon the findings provided thereby, the Department may seek further remedy by requesting replacement of plant Materials or other corrective actions, including, but not limited to, legal redress.

O. The Department shall have the right, at any stage of the operations, to reject any and all Work and Materials, which, in the Department's opinion, do not meet the requirements of these Specifications or aesthetically do not comply with design intent. Trees that are scarred or damaged during delivery or off-loading will be rejected.

P. Plant Materials, as proposed by the Contractor, are required to be inspected, accepted and tagged at the respective nurseries by the Contractor with the Department prior to any delivery to the project site, unless waived by the Department in writing. If such waiver is granted, the Department will inspect and approve representative plant material samples at the project site or at the respective nurseries prior to delivery to the project site. Waivers will only apply to the specific projects (Work Orders) and species designated by the Department. Certificates of Nursery Origin may be required for plant Materials not tagged by the Contractor with the Department.

580-1.06 Certificate of Inspection:

E. All shipments of plant material shall originate from state registered nurseries which have undergone regular inspections by the authorized State Agencies prior to delivery to the project site.

F. State inspection certificates certifying respective plant nurseries of origin shall accompany the bill of lading or invoices. Any certificates of inspection required by the state for specific species also will be provided additionally. Any required transportation documents are to be submitted with invoices as back-up.

G. Contractor shall furnish the Department with copies of manufacturer's literature, labels, samples, certifications, Material Safety Data Sheets, and Laboratory analytical data for fertilizers, mulch, planting soil backfill mix, chemicals, staking/guying Materials and other products as appropriate, prior to use or application on any project.

580-1.07 Measurements:

D. The minimum acceptable size of all plants measured after pruning, with branches in normal positions, shall conform to the measurements as shown on landscape Plans and conform to the

Florida Grades and Standards. Deviations from these measurements must be approved in writing by the Department.

E. The caliper (diameter) of tree trunks is measured six (6") inches above ground level for trees with calipers up to and including four (4") inches in caliper, and twelve (12") inches above the ground for larger trees.

F. The caliper (diameter) of palm tree trunks is to be taken at the widest portion of trunk measured between 1' and 3' above the soil line.

580-1.08 Shipment and Delivery:

H. Contractor shall notify the Department, a minimum of 48-hours in advance (excluding weekends and Holidays), of all plant material deliveries. Contractor shall be responsible for delivery, storage, and security of all Materials specified.

I. Plant Materials shall be protected from sun-scalding and weather and adequately packed to prevent breakage and drying during transit and storage.

J. The Department will exercise its option to inspect, select and assist the Contractor with the tagging of plant Materials at the nursery proposed by the Contractor unless waived as in ITEM 580 -1.05 H.

K. Tamper-resistant identification tags supplied by the Contractor and placed on all trees and palms selected for installation, shall show no evidence of tampering upon inspection for Initial Acceptance (of installation). These tags shall be removed following the Department's Initial Acceptance (of installation).

L. Plants which do not meet Specifications for quality or size herein stated, or plants that show improper handling, or arrive on-site in an unsatisfactory condition (as described in Florida Grades and Standards), will be rejected. Rejected plants shall immediately be removed, disposed of, and replaced with accepted nursery stock of like variety, size, and age. These plants shall be replaced without additional cost to the Department.

M. Initial acceptance of plant material for initial payment will be given only after material is planted and after meeting requirements prescribed herein.

580-1.09 Tree Transplanting:

F. The Contractor shall provide tree transplanting services as requested by the Department. This service is to be performed by the Contractor within an agreed upon period of receipt of a Work Order. Trees transplanted within 90 days of original installation by the Contractor shall carry the balance of the warranty as specified in ITEM 585 -1.11. No warranties shall apply to trees installed more than 90 days prior to transplantation or trees installed by other parties.

G. Transplanted trees shall be watered for the balance of the warranty period or for a period of 30 days for non-warrantied trees. Watering procedures must adhere to the Specifications designated in ITEM 580 -2.06 and SECTION 585 -SITE MAINTENANCE.

H. Palm tree transplanting procedures include digging, loading, transporting, re-planting with Project Engineer approved backfill material and restaking. The original planting hole must be backfilled and sodded.

I. Hardwood tree transplanting procedures include root pruning of established trees, digging, loading, transporting, replanting with approved backfill material and restaking. The original planting hole must be backfilled with suitable material at the direction of the Project Engineer.

580-2.00 Products

580-2.01 Planting Soil Backfill Mix

E. All planting areas (except as directed by the Project Engineer) shall be backfilled with a mixture of prepared plant soil mix as shown below to be accepted by the Department prior to use on each project site. Terrasorb AG (super-absorbent water retainer as manufactured by Industrial Services International, Inc.), or similar product accepted in writing by the Department, shall be added to all non-irrigated planting soil backfill mixes at the rate specified by the manufacturer.

F. This Work shall consist of removing surface debris and then excavating a planting hole and blending compost with the excavated soil to improve soil quality and plant growth. The Planting Soil Backfill Mix shall be created on the project site by uniformly mixing compost with the excavated soil of the planting hole at a 1:3 ratio (25% compost: 75% excavated soil). Backfill and firm the soil blend around the rootball within the planting hole, as described under Part III – Execution. This specification applies to all types of containerized and balled and burlapped plant material.

G. Compost shall be a stabilized mixture derived from organic wastes such as food and agricultural residues, animal manure, mixed solid waste and biosolids (treated sewage sludge) that meet all State Environmental Agency requirements. The product shall be well composted (mature compost, not green compost), free of viable weed seeds and nematodes and contain material of a generally humus nature capable of sustaining growth of vegetation, with no Materials toxic to plant growth.

THIS SPACE LEFT BLANK INTENTIONALLY

Compost shall have the following properties:

Parameters	Range
pH	5.5 – 8.0
Moisture content	35% - 55%
C:N ratio	15 – 30:1
Organic matter	> 50%
Particle size	< 1 inch
Soluble salts	< 4.0 mmhos (dS)
Bulk density	< 1000 lbs/cuyd
Foreign matter	< 1% by weight

H. This specification covers the properties of **AllGro** ™ as distributed by: **AllGro**, 4 Liberty Lane West, Hampton, NH 03842, telephone (800) 662-2440. The Contractor shall utilize **AllGro** compost, or Department-accepted equal, as directed above.

580-2.02 Plant Material

I. The words "Plant Materials" or "Plants" or "Trees" refer to and include trees and palms. "Plant Materials" shall also refer to accent plants, ground covers and woody ornamentals. When the words "palms" or "palm trees" are utilized, no reference to other tree types is intended. When the words "trees (excluding palms)" are utilized, no other reference to palm trees is intended.

J. Plant species shall conform to those species and cultivars indicated on the Plans and in the Specifications.

K. Plants shall be sound, healthy, vigorous, free from plant diseases, insect pests or their eggs and shall have healthy normal growth and root systems. Tree trunks shall have the specified caliper, straight with no fresh cuts, fissures, scrapes, or scars, and shall have the specified clear trunk height, overall height, spread, and rootball size, as applicable. Container grown plant Materials shall be "Florida Fancy" as described in Florida Grades and Standards , Shrubs, Groundcovers and Vines.

L. The species and varieties furnished by the Contractor shall include those listed below and/or substitutions mutually agreed upon by the Contractor and the Department. The basis to be used for comparison of plants to be substituted in the respective categories shall be plant descriptions and wholesale prices as described in Betrock Information Systems' PlantFinder.

M. Trees are required to be one of the following:

1. Container Grown

   a. Plastic containers: Trees grown in plastic or other rigid containers shall be well established and in the container for at least 60 days, and not root-bound. Minimum container size guidelines will follow those established by Florida Grades and Standards.

b. Fabric containers: Minimum rootball size will follow the guidelines established in Florida Grades and Standards. Trees grown in fabric bags should be properly root-pruned and hardened-off in the nursery following harvesting for 45-90 days.

c. All slash pines and wax myrtles are required to be container-grown for entire lives before planting on project sites.

2. Field Grown: Shall have the appropriate root ball size based on the tree's trunk diameter (caliper) and/or height as established by the Florida Grades and Standards. Rootball depth on balled and burlapped (B&B) stock (excluding palms) shall be at least 2/3 of the rootball diameter shown. Field grown trees should be properly root-pruned and hardened-off in the nursery for a period of 45-90 days, and will be inspected by the Department for new root growth.

c. Field grown balled and burlapped (B&B) trees are usually specified on the unit Bid price plant list, however upon Department approval, well established non-root bound container plants may be substituted for B&B material, when all other requirements, Specifications, and unit Bid prices of B&B trees are adhered to.

d. Natural fabric burlap is to be utilized. Synthetic woven plastic fabrics and wire baskets are prohibited unless the Department provides written approval.

N. Collected plants shall not be used unless specifically called for in the Specifications or accepted in writing by the Department. The type, size, and availability of specific species will be the basis of selection of any collected plants.

O. All plants for this project are to be secured from state registered nurseries within the south and central Florida areas (as defined by Betrock Information Systems' PlantFinder geographic regions) unless authorized in writing by the Department.

580-2.03 Quantities

C. The quantities shown in the leader call-outs in the Plans govern the required installed quantities. The Plant List summarizing quantities is provided as a reference only. The Contractor is responsible for his own take-off. Discrepancies must be brought to the Department's attention, in writing, at the time of ordering plant Materials.

D. The Department reserves the right to adjust the number and locations of the designated types and species of plants to be used at any of the locations shown. The Department shall make payment based on the actual quantities installed as approved in writing by the Department.

580-2.04 Fertilizer for Plantings

F. Provide commercial grade granular fertilizer uniform in composition, dry and in a free-flowing condition for application by suitable Equipment, delivered in unopened bags or containers, each fully labeled and complying with Florida State fertilizer laws.

G. Provide a complete fertilizer with proper ratio of nitrogen (N), phosphorus (P), and potassium (K) for the species, including micronutrient trace elements of iron, manganese, zinc, copper, and boron. Provide acid-based, slow-release (sulfur coated) formulas with at least 50% slow-release of nitrogen and potassium.

H. For non-flowering trees, use 10-4-12 high sulfur, iron, and potash; and for flowering trees, use 15-4-11 high sulfur, iron, potash, magnesium, and manganese – both to be acid based, slow-release nitrogen (sulfur coated) to include minor elements (or accepted equal).

I. For palm trees use a 'palm special type' 8-4-10 to include minor elements, very high sulfur, manganese, magnesium, and iron; 50% slow-release nitrogen and potassium; and acid-based (sulfur coated) or accepted equal.

J. For accent plants, ground covers and woody ornamentals, use 16-4-8 that includes micro nutrients, 25% sulfur coated area, 50% slow release nitrogen, or accepted equal.

580-2.05 Top Mulch

E. Mulch shall be recycled, not harvested wood, and made entirely from the wood and bark of the Melaleuca quinquenervia tree, eucalyptus tree, cypress tree milling by-product, or mixed hardwoods. NO CYPRESS MULCH SHALL BE USED ON STATE ROADS. The mulch shall be shredded, cleaned, sized, and aged (heated) to destroy weed seeds, pathogens, and insects. It shall not contain more than 10% (by volume) bark. Shredded pieces of mulch shall not be larger than ¾" diameter and 1-1/2" in length. Mulch shall be free of weeds, seeds (including Melaleuca spp. seeds), soil, and any other organic or inorganic material.

F. Prior to its delivery, mulch shall have been inspected and certified by the Florida Dept. of Agriculture and Consumer Services, Division of Plant Industry, as free of burrowing nematodes. All proof of delivery shall bear official State of Florida stamp of inspection and certification (Grade AA or A). Deliver in bags or bulk by the cubic yard.

G. All material specified shall be processed specifically for use as mulch around trees and plant beds. The use of construction wood or wooden pallets (which do not decompose and/or may harbor pests), the use of fresh-wood mulch (which deprives surrounding plants of nitrogen), or the use of color dyed mulches, is prohibited.

580-2.06 Water

Contractor shall provide water, labor, and Equipment (including a self-canceling nozzle with a diffuser) necessary to distribute water as required for all installed Materials using hand-watering methods. Existing or proposed irrigation systems will not be relied on to provide water for newly planted Materials. Use water free of elements toxic to plant and/or animal life. Refer to SECTION SM – SITE MAINTENANCE for detailed watering Specifications.

580-2.07 Guying and Staking Material

B. Support stakes, braces, battens, and anchor stakes pads shall be structurally sound, #2 grade, yellow pine, or #2 cedar; free of knot holes, splinters, checks, or cracks, and sized and arranged as per details on plan.

1. Minimum nominal size of vertical stakes: 2"x4" with the length adjusted as appropriate for proper staking relative to tree height or as per Specifications/details.

2. Minimum nominal size of angled braces: 2"x4" with the length adjusted as appropriate for proper staking relative to tree height as per Specifications/details.

3. Anchor stake pads for braces to be 2"x4" and a minimum of 12" long.

4. Battens for braces to be 2"x 4" and a minimum of 12" long.

C. Banding at brace battens for heavy trunked palms and specified trees shall be minimum 1" steel manufactured specifically for banding – minimum two (2) bands per palm. Wrap palm trunks (excluding Washington palms) with minimum of five (5) layers of heavy nursery grade, burlap cloth before installing battens.

D. For small trees using vertical support stakes, trunks shall be secured to such stakes with guying material that is wide, smooth, sturdy and flexible plastic or rubber such as Wellington tape or accepted equal. Guying tape to connect trunk to support stake at 90°. This flexible tape shall replace the traditional guy wire and hose method in order to avoid damage to trunk and branches.

E. Unless the appropriate painting Bid item is included in the applicable Work Order, then all vertical stakes, angled braces, anchor stake pads, and/or battens shall be provided and installed as natural, unpainted wood. When the appropriate painting Bid item number is included in the applicable Work Order, then the wood for all vertical stakes, angled braces, anchor stake pads, and/or battens shall be painted Forest Green using Behr exterior grade flat latex paint, or accepted equal, such that there is complete coverage of all surfaces. This painting shall be done prior to delivery of the wood staking and bracing material to the planting site. The only painting allowed at the planting site will be minor touch-up by brush only for saw cuts, abrasions, nicks, etc. There shall be no spray painting at the planting site. Care shall be exercised to avoid wet paint coming into contact with the tree/palm, Wellington tape, banding, or burlap.

To the extent that painted vertical stakes, angled braces, anchor stake pads, and/or battens are proposed by the Contractor for re-use, then in addition to meeting other specification requirements, they shall receive a fresh, complete coat of the above specified paint. This complete paint coverage shall be maintained in good condition until staking and bracing Materials are removed from the planting site. The Department reserves the right, at its discretion, for the Department to paint staking and bracing material.

580-2.08 Root Barrier Material

The Contractor shall provide and install rigid root barrier, DeepRoot UB 48-2 by Urban Landscape Products, or flexible fabric root barrier, Typar Biobarrier Root Control System as manufactured by Reemay, Inc., or accepted equal, as directed by the Department or as indicated in the Plans or as required by the permitting agencies. All safety precautions and installation procedures prescribed by the manufacturer shall be adhered to.

580-3.00 Execution

580-3.01 General

D. The Contractor's Work shall conform to accepted horticultural practices as used in the trade, unless specifically directed to the contrary by the Contract Documents or otherwise by the Department.

E. Plants shall be protected upon arrival at the site by being thoroughly watered and properly maintained until planted. Plants shall be provided complete shade until installation, unless directed differently by the Department. If a balled and burlapped (B&B) tree is not planted within 12-hours of delivery then the rootball shall be kept covered with a moist material to prevent drying of root growth tips until planting. Plants shall not remain unplanted on-site for a period exceeding 24-hours. All sod must be installed within 72 hours of harvest from the source farm. Any sod which is not planted within 24 hours after cutting shall be stacked in an accepted manner and maintained in a properly moistened condition. Any sod left on the Work site for more than 48 hours before installation will be rejected. All sod delivered to the Work site will be contained on 48" x 48" wooden pallets and individual pieces be no smaller than 12" x 24".

F. The Contractor shall install and maintain all plants (through final acceptance) in accordance with the requirements of the project Plans, Bid documents/Specifications, and applicable standards as listed under ITEM 580 -1.04 B.

580-3.02 Layout of Planting Holes

D. The approximate location of some existing above-ground and underground utilities, structures, and other improvements are shown on the landscape Plans for general information purposes only, and are not to be relied upon nor regarded as relieving the Contractor of responsibility for verifying exact field locations. All such improvements shall be investigated and verified in the field before starting Work. Refer to ITEM 580 -1.03 F for other applicable requirements.

E. Should the Contractor encounter overhead or underground obstructions, Median modifications, or other conditions which interfere with the specified locations for plantings, then the Contractor shall immediately notify the Department and alternate planting locations or plan modifications will be selected and approved by the Department. Trees which cannot be adjusted to accommodate such conditions and still adhere to clear sight spacing and clear zone requirements, will be eliminated.

F. Before digging of planting holes, the location and arrangement of the planting shall be marked by the Contractor. The Contractor shall notify the Department a minimum of 48-hours in advance (excluding weekends and/or Holidays). The Department shall reserve the right to approve or reject all marked tree locations which shall conform to the requirements of the Specifications, Plans, and details unless otherwise addressed above.

580-3.03 Tree and Palm Installation

I. All planting holes shall be excavated to size and depth specified herein and in accordance with the Plans and details, and backfilled with the prepared Planting Soil Backfill Mix as specified or as directed by the Project Engineer. The general planting procedures for all trees and palms, whether B&B or container grown, are similar except as noted below.

1. Container-grown trees and palms:

(a) Any container-grown (CG) plants which have become pot-bound or for which the top system is too large for the size of the container, shall be rejected.

(b) CG plants shall not be removed from the container until immediately before planting, and with all due care to prevent damage to the root system. At such time, all containers shall be cut and opened fully, in a manner that will not damage the root system.

(c) Trees in containers shall be carefully removed from the pots, cans, boxes, or other containers in a manner not to damage the roots or the rootball of soil formed by the container. Scraping the rootball on the sides and bottom to stimulate new root growth outside of the existing rootball should be performed prior to placement into the hole.

2. Balled and Burlapped Trees and Palms: Always move B&B plants (except heavy trunked palms) by the rootball only. Never use the trunk as a handle to pick up or move these plants. Care should be taken not to disturb the rootball, as this would severely damage the root system. Removal of all the burlap before planting is not necessary (if it is biodegradable fabric), although the top one-third (1/3) of the burlap shall be pulled back and cut off.

If accepted for use under ITEM 580-2.02 E.2.b, synthetic fabrics and wire baskets require special attention. Remove woven plastic fabrics and nylon twine completely after setting the plant in the hole since such nondegradable Materials can girdle stems and roots as they expand through the material. However, this practice may not be feasible when moving large trees that have been sleeved in woven plastic Materials before being placed in wire baskets. Slice the material through the wire basket and remove as much as possible to facilitate healthy root growth into the landscape soil. Once the tree is set in the planting hole, cut off all of the wire basket (that is not under the rootball) before backfilling.

3. Palms: Generally, procedures for planting balled and burlapped trees are suitable for palms. Palms shall be harvested with a rootball appropriate for the size and species of palm

per the current Florida Grades and Standards. Foliage of all palm species except Sabal palmetto shall have the leaves tied with a biodegradable twine or burlap in a bundle around the bud. Fronds shall be untied by the time of the first quarterly inspection, unless the Contractor deems this to be detrimental to the palm. Complete leaf removal at the time of digging is required when planting Sabal palmetto, however, protection is required for heart frond and bud.

J. Circular planting holes with vertical sides shall be excavated for all trees. The diameter of planting holes for all trees shall be a minimum of 1.5 times larger than the rootball, per planting details, unless prevented by site obstructions or otherwise authorized in writing by the Department. The depth of each planting hole shall be not less than 6" deeper than the height of the root ball or container as applicable and as per planting details.

K. Trees shall be set in planting holes on the specified prepared planting soil mix backfilled and brought to a height to permit the top of the rootball to be 2" above the surrounding finish grade at the completion of tree installation. This allows for some settling such that the final planting will be at the same depth the plants grew in the nursery. All trees shall be planted in a vertical position (plumb). All trees shall be handled by a padded nylon strap around the rootball for lifting purposes. Heavy-trunked palms may be lifted by the trunk provided the lifting strap is padded.

L. After placing the tree in the hole, the planting soil specified herein shall be slowly watered into place in layers and then firmly tamped to eliminate voids and air pockets and to ensure the backfill mixture is surrounding the rootball. Do not overly compact the soil to the point that it would be detrimental to the tree's health. All tamping shall be such that no trees will settle below their original growing height and the surrounding finish grade. Do not mound any soil over the roots.

M. For water retention, a minimum 6" high circular earthen berm (water ring) shall be formed around each tree such that the inside edge is located at the perimeter of the 6' wide planting hole.

N. All trees shall be thoroughly watered at the time of planting and kept adequately watered to ensure healthy Florida Grade No. 1 trees until time of final acceptance. No allowances will be made for tree or palm losses due to lack of adequate or proper watering. Following initial acceptance, the watering requirements of ITEM 585-3.01 C shall be complied with.

O. Pruning shall be done on-site after planting (with due regard to the natural form and growth characteristics of each specie) to remove damaged limbs, to remove branches falling within the required clear site window, or as directed to improve overall plant appearance. Do not remove more than 15% of branches unless otherwise approved by the Department in writing. Pruning methods shall follow standard horticultural practices using appropriate tools. Lopping, shearing, or topping of plant material will be grounds for rejection. Damaged, scarred, frayed, split, or skinned branches, limbs, or roots shall be pruned back to live wood, unless such damage, once so corrected, causes the tree to not meet the Florida Grade No. 1 standard, thus requiring tree replacement at no additional expense to the Department. The

central leader or bud shall be left intact unless severely damaged, in which case the tree will be replaced at no additional expense to the Department. Remove any tree leader dowels and fasteners at the time of planting.

P. During the course of planting, excess and waste Materials shall be removed by the end of each day's operations. When planting in an area has been completed, all debris from planting operations shall be removed and the area maintained in this finished state until final acceptance.

580-3.04 Fertilizing

After planting tree, and prior to mulching the saucer, apply the recommended types and quantities of fertilizer appropriate for tree type according to the manufacturer's recommended rate Specifications for new plantings. Apply fertilizer to the soil surface within the saucer area such that the granular fertilizer is mixed into the top 6" of soil around the edge of the root zone to the perimeter of the saucer berm and then watered in. Never allow fertilizer to touch the trunk of the tree to avoid burning by soluble salts. The use of tablet-type fertilizers such as "Agri-Form" or equal, to be placed in the planting hole prior to backfilling is also acceptable.

580-3.05 Mulching

D. Prior to mulching the saucer area around each tree, remove all weeds, debris, and rocks (over 1" diameter), and then level the soil inside the saucer area surrounded by the circular berm without covering the top of the rootball.

E. A 3" layer of the specified biodegradable mulch, suitable to the Project Engineer, shall be placed around all newly planted trees within earth berms surrounding saucers as defined in ITEM 580-3.03 E and as shown on drawings and as specified. For individual plants, the mulch shall be spread to entirely cover the saucer area within the circular earth berm. Mulch shall be installed and maintained a minimum of 3" away from the trunks of all trees. Once in place, the mulch is to be watered until saturated.

F. This 3" mulch layer shall be maintained around each tree by the Contractor until its final acceptance in order to buffer soil temperature, reduce weed competition, conserve moisture, and increase soil nutrient availability.

580-3.06 Guying and Staking

F. Guy and stake plant Materials as specified and detailed to assure upright form, and in accordance with the following:

1. All trees with calipers smaller than 2-1/2" shall be staked with three (3) vertical stakes 120° apart. All trees with calipers between 2-1/2" and 4-1/2" inclusive shall use four (4) vertical stakes 90° apart. All stakes shall be 2"x4" (with length sized relative to tree height such that stakes reach the height of major branching), set vertically at least two (2') feet into the ground, and at least 12" deep into undisturbed soil, and also set against the planting hole wall. The tree shall be centered within the stakes and held firmly in place by Wellington

Tape (or accepted equal), and tied to the stake and the tree to prevent slippage. Tighten guying tape as necessary to ensure tree is secured in upright position.

2. Heavy-trunked palm trees and trees with calipers over 4-1/2" shall be braced with a minimum of four (4) 2"x4" wood braces (with length sized relative to tree height), toe-nailed to 2"x4"x12" minimum battens which are tightly secured at two points to the tree (with 1" steel banding), at a point at least 1/3 the clear trunk height. Provide one (1) batten per brace minimum with additional battens as needed to prevent banding from touching trunk. The braces shall be set at an angle between 45° and 60° to the ground. The trunk shall be padded with five (5) layers of burlap under the battens (except for Washington palms). Braces shall be approximately 90° apart and secured underground by 2"x4"x12" minimum anchor stake pads hammered such that the deepest point is at least ten (10") inches below finish grade. Anchor stake pads shall not be exposed more than 2" above finished grade and be located no farther from the trunk than 6" from the outside toe of the earth berm around the saucer. The tree shall be centered within the braces.

B. All trees and palms shall be staked/braced on the same day as installed, and at no time shall any newly planted tree or palm remain without stakes for more than 24-hours after installation. The Department may prohibit completion of any further Work until all plant material has been appropriately staked. The Contractor's guying and staking shall prevent trees from falling or being blown over (including by high winds). The Contractor shall re-straighten, replant, and restake all trees which lean or fall, and remove all trees which are damaged due to lack of proper guying and staking within two (2) Working Days of notification by the Department. The Department will determine if the fallen tree is damaged and is to be replaced. Such decision shall not be cause for additional expense to the Department. Damaged trees shall be replaced and guyed or staked at no additional cost to the Department within 30 Calendar Days of notification occurring at quarterly inspections.

C. All guys and stakes found to be too loose or damaged shall be repaired, tightened, and/or replaced within two (2) Calendar Days of notification by the Department at no cost to the Department. Guys and stakes shall be fully maintained to provide adequate structural support for the plant providing a neat, orderly and clean appearance. In cases of stake or brace damage caused by circumstances beyond those covered in the Contract, such as vehicular accidents, the Contractor shall replace damaged stakes as specified by the Department at Bid price.

D. At the Contractor's discretion, all guying and staking material should be removed between the sixth (6th) and twelfth (12th) months following planting. At the Contractor's option, the anchor stake pads shall be either completely removed or driven into the ground such that the top of the stake is a minimum depth of 4" below grade. The Contractor shall notify the Department fifteen (15) Calendar Days prior to removing guying and staking material. Removal of guying and staking Materials shall not relieve the Contractor of any responsibilities of any warranted Materials that may be in place.

580-3.07 Maintenance Prior to Initial Acceptance (At Installation)

The Contractor's maintenance shall commence after each plant is planted and shall continue until initial acceptance (at installation), after which the formal minimum twelve (12) month maintenance/guarantee period shall commence. All maintenance operations before and after Initial Acceptance (at installation), shall be conducted consistent with Specification SECTION 585 -SITE MAINTENANCE, which includes the guarantee and replacement requirements.

The Contractor shall maintain Florida Grade No. 1 quality until final acceptance. This plant maintenance shall include watering, pruning, weeding, cultivating, mulching, fertilizing, repairing or replacing stakes and guys, replacement of sick or dead plants, resetting plants to proper grades or upright position, restoration of the circular earth berm around the saucer, protection from insects and diseases, and all other care required for proper growth and health of the plants. Proper protection of grassed areas shall be provided and any damages resulting from planting or maintenance operations shall be repaired promptly. If determined to be necessary by the Department, disturbed areas shall be re-sodded to match existing turf at no additional cost to the Department.

580-3.08 Sod Installation and Maintenance Prior to Initial Acceptance

G. Elimination of Existing Turf Cover: Existing vegetation cover is to be sprayed with a non-selective herbicide such as Glyphosate (Roundup) or equivalent. Herbicide is to be applied at a rate of active ingredient per gallon as specified on the product label. All spraying must be done with a low volume / low pressure sprayer and applied in a manner that will minimize drift and contact with adjacent plant Materials or vehicular traffic. No spraying will be allowed under inclement weather conditions or wind in excess of 10 miles per hour. If an indicator dye is used in the spray mixture, it must not come into contact with the curb, gutter, traffic separator, or other concrete surfaces. The Contractor is responsible for the removal of any stains caused by indicator dyes to these surfaces. The resulting dead vegetation is to be raked and removed.

H. Site Preparation: The site is to be prepared for sodding by the removal of debris such as sticks, rocks, roots and litter and the establishment of final grade. The location of any existing irrigation systems are to be noted and all sprinkler heads flagged prior to the beginning of site preparation Work. All holes and depressions are to be filled with backfill material that consist of 50% sand and 50% organic soil. Existing high spots in the Median surface are to be leveled with the resulting grade facilitating the sheet-flow of water to the curb line. The soil perimeter at the inside curb line is to be excavated to a depth of ¾" to 2" to allow the top of the base of the installed sod to be flush with the top of the curb. Any soil that is spilled outside of the Median must be removed immediately.

I. Sod Installation: The sod is to be placed onto the prepared site in a pattern with staggered seams. All sodding must be done in contiguous areas with no large gaps between planting sites. Each piece of sod must be abutted against the one adjacent to it. All gaps between pieces of sod will be filled with partial sod pieces or topsoil. No gaps greater than ½" in the seams between the individual pieces of sod will be accepted. All parts of the sod must be in firm

contact with the soil surface and any corners or edges that overlap other pieces of sod must be trimmed. The sod must be kept 2 feet away from the trunks of any existing trees with a symmetrical circle of bare ground being established around each tree. All sod shall be top dressed with screened soil mixture of 75% organic soil and 25% sand that is free of rocks sticks or other debris. After the topdressing operation is completed the sod is to be compacted with a 1,000 lbs. roller.

J. Site Cleanup: All wooden pallets, partial sod pieces, piles of backfill material, Equipment and debris must be removed from the job site prior to the approval of substantial completion.

K. Irrigation: As soon as the area covered by a single zone of irrigation is sodded, the system should be activated and 0.10" to 0.25" of water applied to the sod. The newly planted sod is to be irrigated twice a day between the hours of 10:00 a.m. and 2:00 p.m., unless watering restrictions are in effect, for a period of 10 days or until a root system has been established as evidenced by substantial resistance when the sod is pulled away from the soil base.

L. Mowing: The Contractor is responsible for an initial mowing of the sod with St. Augustine "Floratam" mowed at 3" and Bahia "Argentine" at 3.5" with a rotary type mower. If the mower is equipped with a side-delivery chute a deflection device should be used to eliminate the discharge of grass clippings into Roadway lanes.

580-3.09 Installation of Accent Plants, Ground Covers and Woody Ornamentals

E. Elimination of Existing Vegetative Cover: shall conform to the Specifications contained within ITEM 580 -3.08 A.

F. Site Preparation of Planting Beds: The site is to be prepared for planting by the removal of debris such as sticks, rocks, roots and litter. The area to be planted shall be excavated to a depth of 18" and backfilled to a level of final grade with a soil mix comprised of 50% sand and 50% screened organic material such as screened muck or compost, guaranteed as weed free. All excavated material is to be removed from the planting site.

G. Installation of Plant Materials: Plant Materials shall be removed from containers prior to planting. Any rootballs containing regions of compacted or encircling roots shall be loosened by making vertical cuts to the root mass. Plant Materials shall be placed in holes that are slightly larger than the diameter of the rootball with the top of the rootball to be at or slightly above finished grade. "Terrasorb AG", or accepted equal, is to be added to the planting hole at a rate of ¼ oz. (1 tsp.) per gallon of rootball being installed, prior to backfilling. Backfilling shall be made with the specified soil mixture and shall be firmly compacted and watered-in, so that no air pockets remain.

H. Pre-emergent Herbicide Application and Mulching: The planted bed shall receive a pre-emergent granular herbicide application using "Ronstar G", or accepted equal, applied using methods and rates as specified on the manufacturer's label prior to the application of mulch. Mulch products used in bed plantings shall conform to the Specifications as listed in ITEM 580 -2.05.

580-3.10 Basis of Payment

All cost associated with the performance of this Work under this Contract including but not limited to all Materials, labor, and Equipment required to successfully establish the plant material and to complete the incidental Work shall be included in the unit Bid item price for the individual plant material.

Payment for these items shall be on an 'each' basis.

END OF SECTION

SECTION 585
SITE MAINTENANCE SPECIFICATIONS

SECTION 585 IS ADDED TO THIS SPECIFICATION

585–1.00 General

585-1.01 Work Included

C. The maintenance Work consists of providing all labor, Materials, Equipment, permits, maintenance of traffic, and incidentals necessary to perform all required landscape maintenance commencing after each tree is planted and continuing until final acceptance at the end of the maintenance/guarantee period. These Specifications apply to all projects throughout Palm Beach County assigned to the Contractor.

D. Grassed areas beyond the perimeter of the earth berm/watering saucers will be maintained by others.

585-1.02 Related Work Specified Elsewhere

Section 580 – Landscape Installation: These provisions shall apply to all Work in Section 585 Site Maintenance as appropriate.

585-1.03 General Operating Specification

Refer to the Florida Department of Transportation Standard Specifications for Road and Bridge Construction, (2004 edition), as the general operating specification document, however Section 580, Landscaping is deleted and replaced with the Specifications for LANDSCAPE INSTALLATION (SECTION 580) and the SITE MAINTENANCE (SECTION 585) herein. Maintenance of traffic requirements are described in the Contract Documents.

585-1.04 Protection

Protect all plants, wildlife, site furniture, paved surfaces, and buildings during maintenance procedures and the application of chemicals. When using Equipment and chemicals, use according to manufacturer's directions and Specifications. Repair or replace any items damaged through improper use of Equipment or application of chemicals at no cost to the Department. Contractor shall submit a copy of the applicable pest control licenses to the Department and Material Safety Data Sheets for all products to be used for this Work. Apply all chemicals after 48-hours' notice to the Department and at a time and in such a manner that the public will not be in contact with nor have any real or imagined harm done to them by the application including, but not limited to, herbicides, insecticides, and fungicides.

585-1.05 Coordination of Maintenance Schedule

Coordinate and schedule all Work through the Department. The Contractor shall submit a detailed maintenance schedule for the minimum twelve (12) month maintenance/guarantee period (divided into anticipated quarterly Work Plans) to the Department for review within fifteen (15) Calendar Days of receipt of Work Order and before Initial Acceptance (of installation).

585-1.06 Quality of Operation

Provide the maintenance services in a professional manner and keep all areas in a clean, orderly, and safe condition, satisfactory to the Department at all times. Abide by all applicable federal, state, and local laws, ordinances, and regulations.

585-1.07 Personnel

D. During all maintenance Work hours, provide a qualified, English speaking and competent person in the Work area who is authorized to supervise the maintenance operations and to represent and act for the Contractor.

E. All personnel shall be required to wear proper attire which, as a minimum, includes a standard shirt carrying company name and/or logo, present a good appearance and maintain a professional code of conduct.

F. All personnel shall take lunch breaks and use restroom facilities in appropriate areas off site.

585-1.08 Equipment

D. All vehicles shall be maintained in good working order, affixed with a company name/logo, painted, with no visible rust and shall be parked on pavement in public areas only. Provide protection of paving from loading ramps. Use tarps/plywood to protect from oil.

E. Fueling mowers, edgers, etc. shall be completed prior to unloading Equipment. Re-fueling, addition of oil, etc. shall be done with care and preferably over concrete. Any damage to asphalt or sod/planted areas from gas, oil or chemical spills shall be fully corrected by Contractor.

F. No storage or provision for storage shall be made on site for maintenance Equipment or Materials. Contractor shall be responsible for transporting Equipment and Materials to the site and off site in sealed or secured containers and vehicles as required, unless specifically allowed by written agreement.

585-1.09 Monthly Reports

On or before the tenth day of each month, submit for approval a written report describing in detail all Work performed by the Contractor under this Contract during the past month (including replacement, mulching, fertilizing, pruning, and chemical application activities). The report shall also include: dates of site inspection(s) by qualified personnel as described in ITEM 585 -1.07; observations of the general health and vitality of all plantings; the locations and severity of any pests encountered; detailed descriptions of all chemical treatments applied; the general condition of areas maintained; descriptions of damage and vandalism; repair or maintenance recommendations; and the proposed general and landscape maintenance program to be performed by the Contractor during the next month. Department shall approve format of monthly reports, and require revised formats as necessary.

585-1.10 Routine Quarterly Inspections

During the minimum twelve (12) month maintenance period, the Contractor will be required to make maintenance inspections with the Department on a quarterly basis for weeks number 13, 26, and 39 from the date of Initial Acceptance (at installation) at a time scheduled by the Department. Problems identified during these inspections and corrective actions to be taken (with time frames) will be listed by the Contractor and be incorporated into an amended version of the upcoming quarter's Work plan, unless otherwise indicated by the Department.

585-1.11 Guarantee, Replacement, and Final Inspections

D. Guarantee: All Work shall be guaranteed during the minimum twelve (12) month maintenance/guarantee period during which all plants are to be maintained to meet Florida Grade No. 1 as per Florida Grades and Standards for Nursery Plants, by the Florida Dept. of Agriculture and Consumer Services (henceforth referred to as Florida Grades and Standards). All trees shall be alive, healthy, and in satisfactory growth throughout the guarantee period.

E. Replacements: The Department will be the authority to determine which "Replacement Category" described below applies to each tree and what, if any, action is to be taken.

1. If, at any time during the minimum twelve (12) month maintenance/guarantee period, the Department identifies trees that are substandard, unhealthy, dead, damaged or otherwise in unsatisfactory condition, then such trees shall be removed and replaced/staked by the Contractor as per the following at no additional cost to the Department.

a. Remove such trees within fifteen (15) Calendar Days of written notification by the Department, and fill planting holes immediately with soil to finish grade level. This notification may occur at any time in addition to quarterly inspections.

b. Replace such trees within thirty (30) Calendar Days after the written notification occurring at quarterly inspections.

c. The Department reserves the right to remove any unhealthy, substandard, damaged, or dead trees with prior notification to the Contractor, however, the Contractor shall replace such trees as per these Specifications.

2. Fallen or leaning trees shall be removed (if damaged or otherwise substandard) or uprighted/restaked (if apparently healthy and meeting Florida Grade No. 1).

a. Those trees requiring removal shall be removed within two (2) Working Days of written notification by the Department. Planting holes of removed trees shall be immediately filled with soil to finish grade level.

b. Those trees requiring uprighting/restaking shall be corrected within 12 hours notification by the Department. The Department, without prior notification to the Contractor, reserves the right to remove, reposition, any fallen or leaning tree encroaching into a vehicular travel lane or creating any other situation affecting public health, safety, welfare.

3. Trees showing clear evidence of being damaged or knocked down by vehicular accidents will be removed by the Department and replaced by the Contractor on a unit cost basis within thirty (30) Calendar Days after the written notification occurring at quarterly inspections.

4. The Contractor shall notify the Department by written fax of each successfully completed tree removal and/or replacement and each shall be identified by station number location shown on the planting Plans.

5. All replacement trees shall become guaranteed for a minimum of twelve (12) months from the date of their initial acceptance for replacement installation, and follow the same maintenance/guarantee period requirements specified herein for originally planted trees.

F. Final Acceptance:

1. The Contractor shall notify the Department in writing fifteen (15) Calendar Days prior to presumptive completion of maintenance/guarantee period in order for the Department to schedule a semi-final inspection. Said maintenance/guarantee period shall be continued until the final inspection is complete and the final acceptance of the project is granted by the Department.

2. Within seven (7) Calendar Days of the notice in ITEM 585 -1.11 C.1, a semi-final inspection will be scheduled by the Department with the Contractor. Following the semi-final inspection, the Department will provide the Contractor with a list of deficiencies including necessary replacements and required time frames for completion. Replacements, including those in ITEM 585 -1.10 B, shall occur prior to final inspection and before final acceptance is granted. When the Work specified by the Contract is found to be completed to the Department's satisfaction, the semi-final inspection shall constitute a final inspection.

3. Upon satisfactory replacement of material and performance of required Work by the Contractor, another semi-final inspection shall be made. If the required material is found to have been replaced and the Work completed satisfactorily, then this shall constitute the final inspection.

4. When, upon completion of the final inspection, the Work is found to be completed satisfactorily, the Department shall give the Contractor written notice of final acceptance.

5. Notwithstanding the above, the Department reserves the right to accelerate the date of any final acceptance (thereby ending the maintenance/guarantee period) when the Department deems such action is in the Department's best interest.

6. Earth berm rings utilized to retain water within the saucer area of each tree (located at the perimeter of the planting hole, 1.5 times larger than the rootball) must be maintained at minimum 6" height throughout the entire guarantee period, but are to be knocked down to level grade just before the semi-final inspection for each tree. The grassed areas affected by the reshaped mulched areas shall be treated with an herbicide as per manufacturer's Specifications for weed-removal before applying mulch. A 3" layer of mulch shall be applied by the Contractor to the entire eye-shaped area before final acceptance. The mulch area of trees that are clustered in tight groupings may be merged to form one mulch bed if approved in writing by the Department.

585-2.00 Products

585-2.01 Landscape Maintenance Materials

I. Water: Use water free of elements toxic to plant and/or animal life. Contractor shall provide (within the unit cost for each tree) labor and Equipment necessary to distribute water as required for all installed Materials using hand-watering methods. Existing or proposed irrigation systems should not be relied on to provide water for newly planted Materials.

J. Replacement Trees: Conform to the type, species, grade, standard, size and method of installation as originally specified unless otherwise directed in writing by the Department. For replacement trees which differ from the original plants, the Contractor must obtain prior written approval by the Department, and submit a credit/debit statement, as appropriate.

K. Planting Soil Backfill Mix: As specified in SECTION 580 -LANDSCAPE INSTALLATION.

L. Fertilizer: As specified in SECTION 580 -LANDSCAPE INSTALLATION.

M. Top Mulch: As specified in SECTION 580 -LANDSCAPE INSTALLATION.

N. Herbicides: Use herbicides recommended for the control of the types of weeds encountered as recommended by the University of Florida Cooperative Extension Service.

O. Insecticides: Use insecticides recommended for the control of the types of insect pests encountered. Insecticides shall be EPA approved.

P. Fungicides: Use fungicides recommended for the control of the types of fungi encountered. Fungicides shall be EPA approved.

585-3.00 Execution

585-3.01 Landscape Maintenance

General: Maintain all plantings in a healthy, vigorous and attractive condition so as to maintain the required Florida Grade No. 1 for all plantings as per Florida Grades and Standards, commencing after each tree is planted and continuing until final acceptance at the end of the maintenance/guarantee period.

G. Tree and Palm Maintenance:

1. Pruning and Trimming:

   a. Trees (excluding palms): Prune all trees to remove dead, broken, or infected branches, suckers, vines and dead or decaying stumps and all other undesirable growth. Perform pruning to maintain Florida Grade No. 1 growth habit. To enhance the appearance of specific trees, the Department may request additional pruning. Perform all pruning in accordance with American Association of Arborists standards and recommendations and also those of Florida Grades and Standards. Do not remove more than 15% of branches unless otherwise approved in writing by the Department. Buckhorning (also called 'hat-racking') of any tree is not permitted.

   b. Palms: Prune all palms to remove dead or substantially brown fronds only.

   c. Debris Removal: Remove and properly dispose of off-site all clippings, leaves, branches, sticks, and twigs after each pruning.

2. Fertilization: Apply specified complete fertilizers that are accepted by the Department at manufacturer's recommended rates. Notify the Department 48-hours in advance of applications. Consistent with Contractor's submitted detailed maintenance schedule in ITEM 585 -1.05, fertilize all trees two (2) times per year between March and October (no

closer than four (4) months apart). Broadcast fertilizer inside saucer area around the edge of the root zone. Fertilizer must not be allowed to touch the trunk.

3. Mulching:

   a. Maintain a three foot (3') radius ring with a three (3") inch layer of mulch in all plant beds around all trees. Replenish to specified depth prior to each quarterly inspection during the minimum 12-month maintenance/guarantee period. Maintain mulch at 3" clear from all tree trunks. Apply mulch after fertilizing, never before.

   b. The Contractor shall be responsible for re-mulching activities (including re-establishment of earth berm of saucer) necessitated by washouts, foot traffic, automobile damage or unforeseen circumstances.

4. Weed Control: On a monthly basis, remove weeds mechanically or by spot treatment with accepted herbicide in all plant beds (including the mulched saucer area and the surrounding earth berm). All herbicides, including pre-emergents, are to be used according to label Specifications during the maintenance period. All planting areas/mulched areas shall be weed-free for the final inspection.

5. Sucker Removal: Remove sucker growth monthly from all areas of the trunk, its base, and root zone.

6. Insect Control: Control insect pests which infest plant Materials, and control ant mounds which may occur in landscape areas. Record insecticides and other remedies on the monthly Work report.

7. Plant Replacement: Refer to ITEM 585 -1.11 B.

H. Watering:

1. All installed trees shall be hand-watered over the entire root zone with a slow soaking at 4-gallons per minute for deep root penetration and protection of surface roots, mulch, and earth berm around saucer. Contractor shall be responsible for adequate watering of all installed trees from the time of planting until final acceptance at the completion of the minimum twelve (12) month maintenance/guarantee period.

2. The following water guidelines have been established for Contractor's information only and shall be considered only as an estimate of water need. Depending on climate, rainfall, soil, and plant conditions, the Contractor shall adjust the water schedule and amount per application to meet optimum plant growth conditions. The Contractor shall be responsible for monitoring climate and plant soil moisture conditions, and determining if watering beyond or less than the watering guideline described below shall be applied. Water shall not be paid for separately, but shall be included in the unit cost per tree.

Water Use Guidelines			
Amount of Water Applied: Trees and Palm Trees: Apply a minimum of 15-gallons water per tree at each application. Water applied should be a slow soaking at 4-gallons per minute maximum.			
Minimum Frequency Guidelines for Hand-Watering:			
Material	Day	Frequency	No. Applications
Trees	1 – 30	Daily	30
"	31 – 180	Every 3rd Day	50
"	181 – 325	Every 7th Day	20
"	326 – 361	Every 12th Day	3

3. Frequency and number of applications may vary due to climate, rainfall, soil, and plant conditions. Less water may be used during wet, cool periods whereas more water may be needed during hot, dry periods. Contractor shall adjust as needed for optimum plant health. The minimal frequencies suggested above shall not limit the Contractor's responsibility for providing adequate watering and acclimation for the proper establishment of all trees.

4. Damage resulting from erosion, gullies, washouts, or other causes shall be repaired by the Contractor by filling with topsoil, reshaping earth berm and saucer, tamping to re-stabilize slopes, and replacing lost fertilizer and mulch at no additional cost to the Department.

5. Contractor to use a self-canceling nozzle with a spray diffuser on the end of the hose to ensure water is applied gently so as not to displace mulch or expose root systems.

6. Proof of watering, in the form of receipts, meter readings or other written documentation, shall be presented with the Contractor's monthly reports.

I. Monthly Reports: Complete monthly reports as described in ITEM 585-1.09.

J. All cost associated with the performance of Work under this Contract including but not limited to all Materials, labor, and Equipment shall be included in the unit Bid item price for each tree, shrub and or ground cover/turf.

END OF SECTION

SECTION 590
IRRIGATION SYSTEM CONSTRUCTION

SECTION 590 IS ADDED TO THE SPECIFICATION AS FOLLOWS:

590–1.00 General

590-1.01 Scope of Work

D. Irrigation systems shall be constructed using sprinklers, valves, piping, fittings, controllers, wiring, etc. of sizes and types as shown on the drawings and as called for in these Specifications. The system shall be constructed to grades and conform to areas and locations as shown on the drawings.

   Sprinkler lines, valves, piping, wiring, etc. are essentially diagrammatic. Minor adjustments in location to suit field conditions are anticipated. Major relocations shall have prior approval of the Department.

   Unless otherwise specified or indicated on the drawings, construction of the irrigation system shall include furnishing, installing and testing of all mains, laterals and fittings, furnishing and installing of sprinkler heads, gate valves, control valves, controllers, and control wires, etc.; all necessary specialities and accessories such as backflow preventers, pump stations, excavation and backfill, and all other Work in accordance with the Plans and Specifications as required for a complete system.

E. The Contractor shall obtain all permits and pay required fees to any governmental agency having jurisdiction over the Work. Inspections required by local ordinances shall be arranged as required. Upon completion of the Work, satisfactory evidence that all Work has been installed in accordance with the ordinances and code requirements shall be furnished to the Department.

F. While working on Medians or on the roadside, proper traffic control shall be used to protect workers and the public. Traffic control operations for installation and for future maintenance shall be in accordance with the Palm Beach County Streetscape Standards Manual, dated October 29, 2003, and as stated in the Maintenance of Traffic Section in these Contract Documents. All Work shall be done in accordance with all local and state codes and standards. All above ground apparatus and structures that are installed shall be kept a minimum of 6' from the adjacent travel lane.

590–2.00 Products

590-2.01 General

All Materials to be incorporated in this system shall be new and without flaws or defects and of the quality and performance as specified and meeting the requirements of this section. All material

to be incorporated into an irrigation system that utilizes re-use water shall have the appropriate labels and bear the proper color (lavender) as required by the service provider. All material overages at the completion of the installation are the property of the Contractor and are to be removed from the site.

590-2.02 Pipe and Fittings

Pipe sizes shall conform to those shown on drawings. No substitutions of smaller pipe sizes will be permitted but substitutions of larger sizes may be approved. All pipe damaged or rejected because of defects shall be removed from the site at the time of said rejection.

D. Polyvinyl Chloride (PVC)

1. All plastic pipe shall be continuously and permanently marked with the following information:
   a. manufacturer's name
   b. pipe size
   c. schedule number, class or SDR number
   d. type of material
   e. code number

2. Unless otherwise noted on the drawings, all plastic pipe fittings shall be Schedule 80 polyvinyl chloride free from manufacturing defects.

3. Solvents used for joining must comply with the requirements of ASTM-D-2466 and be recommended by the manufacturer of the plastic pipe used.

4. All PVC main lines 2 ½" or larger shall have provision for expansion and contraction provided in the joints. All joints shall be designed for push-on connection. A push-on joint with a coupling manufactured as an integral part of the pipe barrel consisting of a thickened section with an expanded bell with a groove to retain a rubber sealing ring of uniform cross section similar and equal to Johns-Manville Ring-Tite and Ethyl Bell Ring or made with a separate twin gasket coupling similar and equal to Certainteed Fluid-Tite are acceptable. Circular gaskets shall conform to the requirements of ASTM designation F477. All O-ring pipe shall be Class 200.

5. All tees and elbows connecting to the o-ring mainline shall be ductile iron manufactured for use with PVC O-ring pipe, Harco or accepted equal.

6. Underground detectable marking tape shall be Line Guard or accepted equal.

7. When directional bore is chosen as the method by which to install sleeves, the main line pipe shall be Schedule 40 Flexible PVC Hose with appropriate fittings for connection to Rigid PVC O-ring main line. Manufacturer shall be KAF-FLEX, (800) 451-7646 or accepted equal.

8. Main line, 2" or smaller, shall be Schedule 40 PVC with Schedule 80 PVC fittings.

9. All lateral lines shall be Schedule 40 PVC.

E. Galvanized Steel: Galvanized steel pipe shall conform to the requirements of ASTM Designation A 120, Schedule 40. At threaded joints between PVC and metal pipes, the metal shall contain the socket end and the PVC side, the spigot. A metal spigot shall not, under any circumstances, be screwed into a PVC socket.

590-2.03 Risers

C. All sprinklers shall have a flexible riser assembled by the use of flexible polyethylene pipe. The inside diameter of the polyethylene pipe shall be the same diameter as the sprinkler head inlet.

D. Swing joints used with rotor and spray bodies shall be by Lasco or accepted equal.

590-2.04 Valves

F. Backflow Preventer (used only for potable water supply): The backflow preventer shall be a Reduced Pressure Zone (RPZ) type, as accepted by Palm Beach County Water Utilities Department, capable of having a flow rate that is greater than or equal to that which comes from the meter.

The backflow preventer body shall be constructed of bronze and the internal parts of stainless steel. A backflow preventer is not required for reclaimed water (gray water), but a check valve of the same size as the delivery line is required.

G. Manual Valves: All zone shut-off valves of sizes 2" or smaller shall be all bronze double disc wedge type with integral taper seats and non-rising stem. Those in-ground shall be installed in a separate valve box. Gate valves shall be American made

H. Automatic Control Valves: Shall be Irritrol 100P-1.5 FC with omni-reg pressure regulator, Toro P-220-27-0-6 (pressure-regulated angle type), or accepted equal.

I. Pressure Relief Valves: The pressure relief valve shall maintain constant upstream pressure by passing or relieving excess pressure, and shall maintain close pressure limits without causing surges. The pressure relief valve shall be a fast opening, slow closing, 125 class flanged globe type valve. See Plans for size (1" minimum) and opening pressure.

J. Air/Vacuum Relief Valves: The air/vacuum relief valve shall be a 2" AR Series Combination Air and Vacuum Release Valve by BERMAD, or accepted equal. Install a 1" gate valve to allow isolation of relief valve for periodic cleaning and maintenance. The relief valve shall be installed on a vertical riser affixed to a saddle tap at the top of the mainline at the highest location in the system or as directed.

590-2.05 Valve Box

To be polymer concrete with fiberglass reinforcement with a traffic rated cover as certified by the manufacturer. Recommended manufacturers are CDR systems Corp., Ormond Beach Florida and Quazite, Lenoir City, Tennessee, or accepted equal. Size to be 11" x 18" with plain cover (no metal). The appropriate valve zone numbers shall be stenciled on the underside of the lids.

590-2.06 Sprinkler Heads

D. Quick Coupler Valves: Quick coupler valves shall be two-piece heavy duty brass with locking vinyl cover. Rainbird Model #33 DL RC or accepted equal to be used where specified on the drawings. Provide (2) Model 2049 cover keys with (2) swivel hose ell adapters, Model SH-O or those suitable for use with equal manufacturer. Any quick-couples used with reclaimed water or surface water must be permanently labeled "Do Not Drink" in English and in Spanish.

E. Sprinkler Heads: Toro 570Z PRX, or accepted equal shall be provided where specified on the drawings. Rotor heads shall be Hunter I-20 with stainless steel risers, K-Rain Pro-Plus, Toro EZ Adjust, or accepted equal. All heads located on slopes shall be equipped with a Check Valve Seal.

F. Bubbler Heads: Bubbler heads shall be adjustable with a full circle delivery pattern. Rainbird 1300 A-F, Toro 514-20, Irritrol 533 or accepted equal, shall be provided where specified on the drawings.

590 - 2.07 Electrical Control Wiring

All electrical control wiring shall be UF which has been approved for direct underground burial.

C. Ground wire shall be American wire gauge size 12.

D. Control wire shall be American wire gauge size 14, or as specified on the drawings.

590-2.08 Pump Station

C. Pump shall be as specified on the drawings.

1. Submersible pump requires the following:

   a. A cased well of appropriate size and depth as specified on the drawings to accept the specified pump and motor (see well Specifications).

   b. A submersible pump and motor as specified in the drawings ranging from 2 HP to 10 HP. Pump shall be Goulds, Sta-Rite, Aerometer or accepted equal to be installed with a pressure relief valve. Submit performance curves prior to installation.

c. One 6" thick concrete, below-ground vault, Model #PB4848-48 by Oldcastle Precast, Inc., or accepted equal. Required inside dimensions shall 48" x 48" x 48" deep. Vault shall have a concrete bottom containing drain hole(s) and an Aluminum 48" x 48" cover. 300 PSF load rating, Model #ADP300 by U.S.F. Fabrication, Inc., or accepted equal. The vault shall be core drilled as necessary to connect tanks to discharge pipe (see Item d below).

d. One rust control tank and one fertigation tank. Tanks shall be 55-gallon capacity, 20" dia. x 38" deep seamless molded plastic, minimum 1/8" thick, Model # TC2038IA by Chem Tainer Inc., or accepted equal. Tanks shall have piped connections to two injector pumps then to the discharge side of the pump. Injector pumps shall be wired to pump control and be capable of delivering between 10 and 100 parts per million. Pumps shall be a solenoid driven metering pump by LMI Unidose, Model # UO42-281, or accepted equal.

e. Electrical Equipment shall be mounted on an aluminum, unistrut rack (3" x 1'-4" U-Channel uprights with 2" x ¼" L- Channel cross braces). The rack shall contain the irrigation controller and motor control/starter in a NEMA 4x enclosure, injector pumps (see Item d above) and a NEMA 4x circuit breaker panel with manual shut-off. A rain switch, Rainsensor Series # RS1000 by Irritrol, or accepted equal shall be required. Connection from the irrigation controller to the rain switch shall be via a conduit adapter mounted on a pole, per code, or through the integration of a wireless rain cut-off. All electrical Work must be performed by a licensed electrician. Electrical service meter shall be mounted 36" above grade on its own unistrut rack at the base of the pole where the riser has been installed.

f. For pumps 5 HP and larger, an Ames C1a Valve, or accepted equal pressure regulating and pressure sustaining valve, pressure gauge followed by a gate valve, both of the same size as the main line.

g. A Coast Guardshack cage fabricated from expanded steel, or accepted equal, to enclose the well head and both valves, mounted on a concrete pad as per the manufacturer's Specifications.

h. Concrete vaults shall contain sump pumps wired to the power panel. Pumps shall be ¼ hp, Myers, Model # 525VI, 115 V, or accepted equal. Install PVC discharge pipe just below grade for a minimum distance of ten feet with a 4" PVC pop-up discharge blow off cover by NDS or accepted equal.

2. Centrifugal pump station requires the following:

a. A cased well of appropriate size and depth as specified in the drawings (see well Specifications).

b. A centrifugal pump and motor as specified in the drawings ranging from 2 HP to 10 HP. Pump shall be Goulds, Sta-Rite, Sullivan Electric or accepted equal, to be installed

with a pressure relief valve and Hot Stop or similar emergency shut-off device. Submit performance curves prior to installation.

c. Concrete vault as described in Item 2.08-A1c above.

d. Rust control and fertigation tanks as described in Item 2.08-A1d above.

e. Electrical Equipment and mounting as described in Item 2.08-A1e above.

f. Pressure regulating valve with a pressure gauge as described in Item 2.08-A1f above.

g. A pump enclosure, Canal Screens, Inc., or accepted equal, sized to house the pump and the pressure regulating valve and gate valve if applicable, set on an aluminum skid and anchored to a concrete pad of the size recommended by the enclosure manufacturer.

h. A check valve on the intake side of the pump of the same size as the intake pipe installed either inside or outside of the pump enclosure.

3. Potable, reuse or surface water supplies require the following:

a. Plans shall be submitted to the appropriate water utility for review. Contractor shall pay any plan review fees. Palm Beach County will arrange for water service and tap, and will pay any service initiation fees.

b. An RPZ backflow preventer, as accepted by Palm Beach County Water Utilities Department, Ames Cla Valve or accepted equal, pressure regulating and pressure sustaining valve, pressure gauge followed by gate valve installed by a licensed plumber beyond the water meter.

4. When reclaimed water is used, the requirements are the same as those for potable water, except that a check valve shall be installed instead of the RPZ backflow preventer.

5. When the water source is surface water such as a lake or canal, the requirements are the same as those for a centrifugal pump station except for the well. In addition, the suction pipe shall be fitted with a Plum Creek, Aqua Queen or accepted equal, self-cleaning intake screen installed as per manufacturer's Specifications.

D. Pipes, valves, fittings, etc., shall be galvanized steel in sizes and locations as shown on the Plans. No PVC shall be used above ground.

590-2.09 Controller

Shall be Sentinel Field Satellite as manufactured by Toro, or accepted equal, in stainless steel wall-mounted cabinet, mounted on an aluminum unistrut (see Item 2.08-A1e above). Provide an additional 120V, 15 AMP electrical outlet for auxiliary power and a Data Industrial Model IR-PR flow sensor (size determined by size of mainline). Flow sensor shall be located as indicated in details within a 11" x 11" x 18" polymer concrete box with fiberglass reinforcement and fitted

with a locking traffic rated cover. Provide each satellite controller with a hand held radio and radio port, one surge protection board, antenna or 56K phone modem D-Series by DATA Comm for Business, U.L. approved ground rod protection and pump start. Contractor shall be responsible for hook up and verification of positive connection to Central Controller. Pump controls shall be mounted on aluminum unistrut with fused shut-off, meter and rain sensor. Electrical service shall be U.L. approved, installed by a licensed electrician and provided with a molded breakaway plug and connector installed in a traffic rated approved in ground pull box.

For information and prices, contact Hector Turf at (954)429-3200.

590-2.10 Communication Tower

Shall be a freestanding tripod G-25 by ROHN, or accepted equal, with 12" spacing. Antenna shall be installed per manufacturer's directions in the location indicated in the Plans or as directed by Department personnel. The number of sections required to provide positive communications shall be determined at the time of installation.

590–3.00 Execution

590-3.01 Surface Conditions

C. Inspection

1. Prior to all irrigation Work, the Contractor shall carefully inspect the installed Work of all other trades and verify that all such Work is complete to the point where this installation may properly commence.

2. The Contractor shall coordinate Work with electrical and paving Contractors, as needed.

3. The Contractor shall verify that irrigation system may be installed in strict accordance with all pertinent codes and regulations, the original designs, the referenced standards, and the manufacturers' recommendations.

4. The Contractor shall call Sunshine State One-Call of Florida, Inc. at 1-800-432-770 to verify utility locations at least 48 hours prior to digging. The Contractor shall be responsible for contacting or locating other utilities. The Palm Beach Water Utilities Department also must be contacted at (561) 641-3429, or the appropriate water utility having jurisdiction over the project area, to verify locations and depths of underground utilities.

5. If the irrigation system is damaged as a result of improper construction or coordination on the part of the Contractor, the damage shall be repaired by the Contractor at no expense to the Department.

D. Discrepancies

1. In the event of a discrepancy, the Contractor shall immediately notify the Department. 100% coverage and 100% overlap is required regardless of any site changes.

2. The Contractor shall not proceed with the installation in areas of discrepancy until such discrepancies have been fully resolved in writing by the Department.

590-3.02 Field Measurements

The Contractor shall make all necessary measurements in the field to insure precise fit of items in accordance with the Specifications found in the drawings. The final layout of the project must be approved by the Department before any Work commences.

590-3.03 Trenching and Backfilling

C. Trenching for plastic pipe shall be excavated to sufficient depth and width to permit proper handling and installation of pipe and fittings. The backfill shall be thoroughly compacted and leveled off to adjacent soil level. The backfill shall contain no lumps or rocks larger than 3 inches. The top six inches of backfill shall be free of rocks larger than 1", subsoil or trash. Pipe trench shall be sodded if placed in an existing sodded area and shall not settle after backfilling.

D. Minimum Depth of Cover:

1. The minimum depth of cover for main lines shall be 24" with a layer of Line Guard installed at a depth of 6".

2. For lateral lines on the discharge side of the E.R.C.V., minimum depth of cover shall be 18".

3. For Line Guard (main lines only), minimum depth of cover shall be 6".

590-3.04 Installation of Piping

F. Inspection of Pipe and Fittings

The Contractor shall carefully inspect all pipe and fittings before installation, removing all dirt, scale, and burrs, and reaming as required. Install all pipe with all markings up for visual inspection and verification.

G. The Contractor shall coordinate Work with Site Contractor to locate sleeves of size and location as shown on the drawings.

H. Plastic Pipe

1. The Contractor shall exercise care in handling, loading, unloading, and storing plastic pipe and fittings; store plastic pipe and fittings under cover until ready to install; transport plastic pipe only on a vehicle with a bed long enough to allow the pipe to lay flat to avoid bending and concentrated external load.

2. The Contractor shall repair all dented and damaged pipe by cutting out the dented or damaged section and rejoining with a coupling.

3. In joining, use only the specified solvent and make all joints in strict accordance with the manufacturer's recommended methods. Give solvent welds at least 15 minutes set up time before moving or handling and 24 hours curing time before filling with water.

4. For plastic-to-steel connections, Work the steel connection first; use a non-hardening pipe dope on all threaded plastic-to-steel connections and use only light wrench pressure.

I. Galvanized Pipe

1. Make all cuts to galvanized pipe square with all cuts thoroughly reamed and all rough edges or burrs removed.
2. Make all pipe threads sound, clean-cut, and well fitting.

3. Use pipe dope on male fittings only.

4. Make all screwed joints tight with all the necessary wrenches, but without handle extensions.

J. Pavement Crossings:

1. Sleeves under decorative paving or sidewalks are to be schedule 40 PVC and installed at depth of 24".

2. Sleeves under vehicular paving are to be Schedule 80 PVC or hot-dipped galvanized steel with a minimum wall thickness of .237" and installed at a depth of 36".

3. Installation under existing pavement is to be by jack and bore or directional bore. Ends of the bore shall be marked with 3 M detectable 'buttons' to assist future locations. Upon completion of the bores, the Contractor shall provide documentation of the bore construction by means of bore logs and in addition, on State Roads, plan and profile sheets. Any pavement, curb, sidewalk, or other surface damaged during boring shall be replaced to Palm Beach Department and F.D.O.T. Specifications.

590-3.05 Installation of Equipment

J. Manual Control Valves and Electric Remote Control Valves

The Contractor shall install manual and electric remote control valves in control boxes where indicated on the drawings, a minimum of 18" from back of curb, in accordance with the manufacturer's recommendations.

K. Motor, Pump, Pressure Control Valves, Check Valves and Main Shut-off Gate Valves

Install where indicated in the drawings, in accordance with drawings and with manufacturer's recommendations.

L. Air Relief Valves

Install where indicated on the drawings at highest elevation, in accordance with manufacturer's recommendations.

M. Pressure Relief Valves

Install where indicated in the drawings, in accordance with drawings and with manufacturer's recommendations.

N. Sprinkler Heads

Installation of Irrigation Heads: Heads shall be placed to finished grades. Locate sprinkler heads a minimum of 12" from back of curb. Upon installation heads shall be flagged by colored markers for positive identification in field. Prior to operation of heads, the Contractor will lay an area 2' x 2' of sod around each head. Sod shall be laid so that it is even with the finished grade. Heads must be firmly set so as to withstand being driven over with soft tire Equipment without damage. Rotor heads require swing joint assemblies.

O. Thrust Blocking

1. In general, thrust blocks are required on the main line at the following locations:

   a. Where the pipe changes direction of the water (i.e., ties, elbows, crosses, wyes and tees).
   b. Where the pipe size changes (i.e., ties, elbows, crosses, wyes and tees)
   c. At the end of the pipeline (i.e., caps and plugs).
   d. Where there is an in-line valve.

2. Blocks shall be concrete, having a calculated compressive strength of 3,000 psi. Install as shown on details.

P. Controllers

The Contractor shall install controllers at locations as shown on plan according to manufacturer's recommendations.

Q. Lightning Arrestor

The Contractor shall install an arrestor at each controller location shown on the Plans to provide lightning protection on both primary and secondary sides of all controllers. Proof of effectiveness of lightning arrestor shall be in accordance with manufacturer's guidelines. A maximum of 15 ohms of resistance is allowable.

R. Backflow Preventer

RPZ Backflow Preventer shall be installed by licensed plumber in a location approved by the appropriate water utility department.

590-3.06 Electrical Control Wiring

H. Installation of electrical control cable shall be of the size specified and shall be taped to the bottom of the main line. Expansion joints in the wire to be provided at 200-feet intervals by making 5 to 6 turns of the wire around a piece of ½" pipe. Where it is necessary to run wire in a separate trench, the wire shall be within a PVC sleeve and have a minimum cover of twelve (12) inches.

I. All wire connections at remote control valves, within valve boxes, and at all wire splices, shall be left with a 6' minimum "slack" so that in case of repair, the valve bonnet or splice may be brought to the surface without disconnecting the wires. Waterproof splice to be Rainbird or equal

J. All pump station wiring shall be done by a licensed electrician.

590-3.07 Testing and Inspection

E. Closing in Uninspected Work

The Contractor shall not allow or cause any of the irrigation Work to be covered or enclosed until it has been inspected, tested, and approved by the Department. Any Work which has been covered shall be exposed for inspection.

F. Flushing

Before backfilling the main line, and with all control valves in place before lateral pipes are connected, completely flush and test the main line and repair all leaks; flush out each section of lateral pipe before sprinkler heads are attached.

G. Testing

1. Make all necessary provisions for thoroughly bleeding the line of air and debris.

2. Before testing, fill the line with water for a period of at least 24 hours.

3. After valves have been installed, test all main lines for leaks at a pressure of 100 psi for a period of 4 hours with all couplings exposed and with all pipe sections center-loaded. No more than 5 psi loss will be acceptable.

4. Furnish all necessary testing Equipment and personnel.

5. Correct all leaks and re-test until accepted by the Owner.

H. Final Inspection:

1. The Contractor shall thoroughly clean, adjust and balance all systems.

2. The Contractor shall demonstrate the entire system to the Department, proving that all remote control valves are properly balanced, that all heads are properly adjusted for radius arc of coverage and overspray, and that the installed system is workable, clean, and efficient. No irrigation water shall enter the Roadway.

590-3.08 Instructions

D. Remote Control Legend: Attach a typewritten legend inside each controller door that states the areas covered by each remote control valve.

E. Maintenance Personnel: After the system has been completed, inspected and approved, the Contractor shall instruct the Owner's maintenance personnel in the operation and maintenance of the irrigation system.

F. Provide all manuals, product literature, Warranty Certificates, keys, etc. to the Department - Streetscape Section.

590-3.09 Plans

Substantial deviations from piping layout (2' or more) shall be recorded as Work progresses and an as-built plan of the sprinkler system shall be furnished to the Owner as a condition of completion of Work. Forward all bore logs and profiles, tests results and permit copies to the Department - Streetscape Section.

590-3.10 Guarantee

All Equipment, material, and labor shall be guaranteed by the Contractor for a period of one (1) year after substantial completion of the project. Any defects found, either in Materials or workmanship, during the period shall be immediately corrected at the Contractor's expense.

590–3.11 Basis of Payment

Irrigation system shall include all labor and material cost to install and restore a fully functional irrigation system, provide and install ground rod protection to the satellite controller(s) and pump station(s). Cost shall include the protection and rehabilitation of any existing wells and service points, establishing service points, satellite controllers, pump stations and wells as indicated in the Plans and per Palm Beach County Streetscape Section's Specifications, or approved equals. Cost shall include the integration of the system into the central universal interface software program operated by the Palm Beach County streetscape section including all designated frequencies and the providing of manuals, keys, hand held remotes (two) and ancillary items required for a fully functional irrigation system with 100% coverage and 100% overlap. Irrigation system shall be paid as a LUMP SUM basis.

END OF SECTION

SECTION 595
IRRIGATION WELL CONSTRUCTION

SECTION 595 IS ADDED TO THIS SPECIFICATION

595–1.00 General

595-1.01 Related Documents and General Conditions

Drawings and General Provision of Contract, including General Supplementary Conditions apply to Work of this Section. The Contractor shall keep a copy of all Contract Documents on-site at all times including drawings, all Specifications and Codes mentioned above, and copies of all logs, and correspondence. All Work shall be done in accordance with all applicable ordinances, laws, codes and regulations. Any changes required by these ordinances, laws, codes and regulations shall be made at no additional expense to the Owner.

595-1.02 Scope of Work

The Work covered by this Section of the Specifications shall include, but not be limited to, the following:

E. All labor, Equipment, material, and operations necessary for construction, development, and testing of the proposed 5" well (see SECTION - 590 IRRIGATION SYSTEM CONSTRUCTION SPECIFICATIONS).

F. All labor and Materials necessary to connect 5" well to a specified pump (see SECTION - 590 IRRIGATION SYSTEM CONSTRUCTION SPECIFICATIONS).

G. Drill 5" well to a depth as necessary to achieve the required water flow and water quality.

H. The Contractor shall apply for and pay for all permits and licenses required for execution of the Work. Any required signatures by Department officials will be provided. The Contractor shall arrange for, and be present during, all required inspections. Any required additional Work or Materials resulting from inspections under the above permits shall be provided at no cost to the Owner.

595-1.03 Quality Assurance

F. The Contractor shall inspect the site to determine conditions to be encountered during construction noting all existing and /or proposed utilities (see SECTION–590 IRRIGATION SYSTEM CONSTRUCTION SPECIFICATIONS for underground utility location procedures).

G. The Contractor shall be responsible for any damage that occurs as a result of the construction. This shall include, but not be limited to, the Owner's property, underground utilities, and vehicular traffic. The Contractor shall keep the Work area neat and orderly, continually removing rubbish, waste material and temporary structures.

H. Protecting Water Quality

Take precautions to prevent contaminated water or water having undesirable physical or chemical characteristics from entering the stratum from which well is to draw its supply. Prevent contaminated water, gasoline, etc., from entering well, either through the opening or by seepage through ground surfaces.

If well becomes contaminated or water having undesirable physical or chemical characteristics enters the well due to neglect, provide casings, seals, sterilizing agents or other Materials to eliminate contamination or shut off undesirable water. Provide remedial Work at no cost to the Owner.

Exercise care in performance of Work to prevent breakdown or caving-in of strata overlaying that from which water is to be drawn. Develop, pump or bail well until water pumped from the well is substantially free from sand.

Protect Work to prevent either tampering with the well or entrance of foreign matter during well development. Upon completion, provide a temporary well cap.

I. Driller's Requirements: An experienced foreman or driller who has authority to take orders from the Department is to be constantly in control of the well site. Upon request, the driller shall furnish well drilling information desired by the Department.

J. The Contractor shall guarantee the water well for one (1) year from the date of initial acceptance by the Department. This shall include all material, workmanship, and well performance.

595-1.04 Abandonment of Drilling

D. If it becomes necessary to abandon drilling operations before completion of a water producing well, the Contractor shall follow all regulations for abandonment of the well as required by local authorities having jurisdiction.

E. Should abandonment of drilling be necessary due to poor workmanship or negligence on the part of the Contractor, no compensation will be allowed.

F. Should abandonment of drilling be necessary due to inadequate water supply or for another reason that is deemed to be no fault of the Contractor by the Department, payment for the Work shall be based upon the actual vertical footage completed and shall be paid at the Contract Unit Price for Additional Well Depth In Excess Of Base Depth, or as agreed upon.

595-1.05 Submittals

D. Prior to starting construction of the well, the Contractor shall submit to the Department for approval an estimated schedule of the Work to be accomplished and a description of the methods and Equipment to be used during construction. The description shall include methods he will use to drill, develop and test the well.

E. The Contractor shall keep accurate logs of the irrigation well and samples of Materials drilled through. Take samples of substrata formation at ten foot intervals and/or changes in formation throughout the entire depth of the well.

Provide the following information to the Department for record purposes:

1. Casings: Diameter, thickness, weight per foot of length, depth below grade.

2. Pumping Test: Static water level, maximum safe yield, drawdown at a maximum yield.

3. Drilling Log: Log indicating strata encountered.

4. Alignment: Certification that the well is aligned and plumb within specified tolerances.

The Contractor shall keep an accurate record of the order, number, size and length of the individual pieces of pipe as assembled in the well. The records shall be delivered to the Department upon completion of the Work.

F. The Contractor shall provide to the Department a physical and chemical analysis of water from the finished well. Make the analysis, certified by an approved testing Laboratory, in accordance with local requirements, to include the following: total dissolved solids, silica, iron, pH, sulfur, chloride, and salt content.

595–2.00 Products

595-2.01 Materials

C. Casings

The irrigation well casing shall be new black steel pipe, Schedule 40. The joints may be welded or threaded coupling.

D. Grout

Grout shall be ANSI/ASTM C150, type shall suit project conditions.

595–3.00 Execution

595-3.01 Well Construction

D. Annular space shall be continuously filled with grout, with process being completed in a single operation. Subsequent Work in the well, such as drilling or other operations, shall be suspended for 72 hours after grouting of casing. The only exception shall be when quick-setting cement is used, when Work may proceed after 24 hours.

E. Install permanent casing with a temporary well cap. Installation of the well cap shall be coordinated with the pump system installer.

F. The well shall be of sufficient size to produce a continuous supply of water at an acceptable quality and specified capacity.

G. If subterranean formations/conditions require, the well shall be supplied with an alternate gravel pack with 20' minimum of stainless steel slotted screen and TREMI piped gravel pack.

595-3.02 Well Development

C. The well shall be developed by such methods that will effectively extract, from a water bearing formation, the maximum practical quantity of sand, drilling mud and other fine Materials in order to bring the well to maximum yield per foot of drawdown and to a sand-free condition. This Work shall be performed in a manner that does not cause any undue settlement or disturbance of the strata above the water bearing formation, nor disturb the seal around the well casing, thereby reducing the sanitary protection otherwise afforded by the seal.

D. Development of the well shall continue until water pumped from the well, at a maximum test pumping rate, is clear and free from sand and other debris that is larger than 0.030" in diameter. The water shall be considered sand-free when no samples taken during the test pumping contain more than 2 parts per million of suspended solids per weight. The Contractor shall submit to the Department certification from an approved testing Laboratory that indicates the results of the "Non-Filterable Residual" (total suspended solids) test, as specified in the EPA Manual, Section 160.2. A sufficient amount of water to insure a detection limit of less than 2 PPM (mg/L) must be filtered.

595-3.03 Testing of Well for Plumbness and Alignment

D. Set casing plumb and true to line. At a minimum, tests for plumbness and alignment shall be made after construction of the well and before its acceptance. Additional tests may be required during the performance of the Work.

E. Test alignment of the well by lowering a pipe approximately 40 feet in length to a depth of 90 feet. The pipe used for the alignment test shall be not more than ½" smaller in diameter than the portion of casing or hole being tested at the time. The pipe must pass freely through the casing or hole.

F. The well casing shall not be out of plumb more than □ of the diameter of the casing per 100' of length. If the well does not pass this test, the Contractor shall be responsible for repair or replacement of the well.

595-3.04 Testing Well for Yield and Drawdown

VIII. Final pumping tests shall be conducted only after the well has been fully constructed, cleaned out and depth of well accurately measured.

IX. A variable capacity test pump shall be provided that has a minimum capacity of the maximum expected yield at total head equal to drawdown in the well, plus the head loss in the pump column and discharge piping.

X. The Contractor shall provide enough discharge piping for pumping unit to conduct water to a point of disposal that will avoid a nuisance or endangerment to adjacent property. Provide and maintain any Equipment needed for measuring flow of water such as a weir box, orifice or water meter. The elevation of the water level in the well will then be measured.

XI. All labor, power and other necessary Materials, Equipment and supplies required to operate the pumping unit shall be supplied by the Contractor. The final testing for each well shall consist of four (4) hours of continuous pumping after maximum drawdown has been reached. After completion of the final test, foreign matter such as sand, stones or other debris shall be removed from the well by bailing, sand pumping or other approved methods.

XII. After the test pump and auxiliary Equipment have been installed, the Department shall be notified a minimum of 3 days prior to the start of any test pumping. Conduct test pumping as follows:

1. Record initial water elevations in the well.

2. Start test pump and make adjustments to bring pump to required pumping rate.

3. Record readings of water level in the well and pumping rate at 30 minute intervals.

4. Water samples shall be taken for analysis at the beginning and at the end of the pump test.

XIII. Upon completion of the pumping test, record the returning levels in the well at 15 minute intervals until 95% of the well capacity is reached. Prepare notations so that a curve of the recovery rate may be plotted.

XIV. Provide all test results and other required submittals to the Department.

595-3.05 Disinfection of Well

C. Use disinfection procedures as required by local government agencies. The well must be cleaned of foreign substances after all development Work has been completed and it has been satisfactorily tested. Casings should be swabbed, using alkalis if necessary, to remove foreign substances.

D. The well shall be disinfected with a chlorine solution of sufficient strength to provide a minimum chlorine to water ratio of 100 parts per million within the well. The chlorine solution shall be introduced into the well using gravity, pump or drop feeder. A contact period of 24 hours shall be attained; then the well shall be pumped until the chlorine residual is less than 0.2 parts per million.

END OF SECTION

THIS SPACE LEFT BLANK INTENTIONALLY

SECTION 800
SPECIAL CONDITIONS – ASBESTOS – PROCEDURES FOR DEMOLITION OF STRUCTURES – ASBESTOS MATERIAL REMOVAL

SECTION 800 IS ADDED TO THIS SPECIFICATION

General

This Section is included for the removal and disposal requirements of asbestos material encountered during construction, whether or not it is indicated on the Plans. The following are special conditions and procedures for the Demolition of Structures and handling and disposal of asbestos cement pipe.

SECTION 1 OF 3: ASBESTOS NOTIFICATION

Federal and state asbestos regulations require, prior to demolition of any structure:

1. An inspection for asbestos-containing Materials (ACM)

2. Removal of specified ACM, and

3. An asbestos notification of demolition received at least ten (10) business days prior to demolition.

To meet requirements #1 and #2 above, the Department has surveyed the structure(s) in this Bid/Work Order for the presence of ACM and every effort has been made to remove Regulated Asbestos-Containing Material (RACM) and Category II Non-Friable ACM (e.g., asbestos-cement board and shingles) before releasing this project to the Contractor. Verification of this Work is attached to this Bid/Work Order. If not attached, it is the Contractor's responsibility to contact the Project Manager of the department overseeing this Bid/Work Order, or the Department's Risk Management / Loss Control section to obtain:

1. A copy of the pre-demolition asbestos inspection report; and

2. A copy of Risk Management/Loss Control's memo of approval to proceed to next phase addressed to the County department overseeing the project.

To meet requirement #3 above, the Contractor is responsible for submitting a complete and accurate asbestos notification of demolition form, titled "Notice of Asbestos Removal Project" (i.e., NESHAP notification, 40 CFR Part 61.145(b)), for each separate address to be demolished to the below listed agencies at least 10 business days prior to demolition. The forms are available from the Florida Department of Environmental Protection (DEP) and Loss Control.

SEND ORGINAL TO:

Asbestos Coordinator
Florida Dept. of Environmental Protection
400 N. Congress Avenue
West Palm Beach, FL 33401

SEND COPY TO:

PBC Risk Management/Loss Control
160 Australian Avenue, Suite 401
West Palm Beach, FL 33416-1229
Fax: 561-233-5440

The Contractor must immediately notify the Project Manager of the County department overseeing the project and Loss Control [phone 561-233-5430] if the demolition Start Date changes. No demolition may begin before the Start Date on the NESHAP notification, and no demolition may occur without a notice to proceed from the County department. It is the responsibility of the Contractor to call and submit revised NESHAP notifications to the above listed agencies, adhering to required NESHAP timeframes.

The Contractor is responsible for physically checking the structure(s) before submitting the NESHAP notification to ensure that all RACM and Category II ACM, as identified in the pre-demolition asbestos inspection report, have been removed. If RACM or Category II ACM is discovered, or is in poor condition (i.e. not intact), immediately contact the Department's Project Manager or Loss Control.

SECTION 2 OF 3: WORK PRACTICES

Compliance with the following regulations is the demolition Contractor's responsibility:

1. Environmental Protection Agency (EPA) NESHAP 40 CFR Part 61 Subpart M – National Emission Standard for Hazardous Air Pollutants, updated August 2004;

2. Occupational Health and Safety Administration (OSHA) Construction Industry Standard, 29 CFR 1926.1101;

3. EPA "A Guide to Normal Demolition Practices Under the Asbestos NESHAP", September 1992;

4. Asbestos NESHAP "Adequately Wet Guidance", December 1990; and

5. OSHA Standard Interpretation, dated August 13, 1999, "Requirements for demolition operations involving Materials containing <1% asbestos".

The above regulations include utilizing wet demolition methods and prohibition of recycling the Substructure with presumed or confirmed Category I ACM. Written permission from Palm Beach County to the Contractor is needed for said recycling.

SECTION 3 OF 3: COMPETENT PERSON

The Contractor must have a competent person on-site who: (1) is capable of identifying existing asbestos hazards in the workplace, (2) is capable of selecting the appropriate control strategy for asbestos exposure, and (3) has the authority to take prompt corrective action to eliminate them. This person must be trained in accordance with OSHA and EPA.

END OF SECTION

SECTION 987
PREPARED SOIL LAYER MATERIALS

987-1 Description DELETE IN ITS ENTIRETY AND SUBSTITUTE THE FOLLOWING:

All material shall be suitable for plant growth. The organic matter content of the prepared soil layer after mixing shall be a minimum of 2.5%, a maximum of 10%, in accordance with FM 1-T 267 and shall have a pH value of 6.0 or greater and less than or equal to 7.5 as determined in accordance with FM 5-550. The organic matter content shall be created using any of the following Materials.

987-2 Materials

Prepared soil layer Materials may be obtained from either, or a combination of the following sources:

(1) Excavation within the limits of construction on the project. Such material may be stockpiled or windrowed on the project in areas approved by the Engineer.

(2) Designated borrow pits for the project.

(3) From other sources of organic soil Materials provided by the Contractor.

987-2.1 Organic Soil

This may consist of muck, mucky peat and peat and shall have an organic matter content of 30% or more if the mineral fraction is more than 50% clay, or more than 20% organic matter if the mineral fraction has no clay.

987-2.2 Blanket Material

Meet the material classification shown on the Plans and Design Standards, Index No. 505.

987-2.3 Compost

Meet the requirements of Florida Department of Environmental Protection Rule 62.709.550 Type Y (yard waste), Type YM (yard waste and manure), Type A (municipal solid waste compost) or Rule 62.640.850 Type AA (composted biosolids) and have unrestricted distribution.

987-2.3.1 Compost for Use as a Soil Amendment

If the electrical conductivity (EC) value of the compost exceeds 4.0dS (mmhos/cm) based on the saturated paste extract method, the compost shall be leached with water prior to application.

987-2.3.2 Compost for Use as a Mulch

The compost shall contain no foreign matter, such as glass, plastic or metal shards. The compost shall be slightly coarse to coarse in nature (over half of the solids shall be from particles 1/2 inch in size and no greater than 6 inches). Preference shall be given to compost or mulch made from uncontaminated woody waste Materials.

END OF SECTION

THIS SPACE LEFT BLANK INTENTIONALLY

DRIVEWAY CONSTRUCTION RELEASE

The Contractor shall have the included "Right of Entry and Release Agreement for Road and Driveway Construction" form executed by each property owner where driveway construction is required.

The Contractor shall be responsible for all coordination with the property owners for this construction. The Contractor shall provide the County with copies of these executed agreements.

These driveways shall be constructed in accordance with the Plans and the Specifications or as directed by the Engineer. The quantities are included in the 6" concrete sidewalk (driveways) item, 6" base item and asphaltic concrete item for the construction of these driveways.

SPECIAL DRIVEWAY NOTES AND SPECIFICATIONS

1. Contractor shall work in conjunction with the engineer in contacting and coordinating with property owners of parcels bordering this Roadway, as directed by the Engineer.

2. Contractor shall obtain written permission from property owners for driveway construction and for approval of driveway staking.

3. Property owners shall have the option of selecting a circular driveway, a "T" type driveway or other modification as approved by the engineer. The selection is subject to existing site conditions and compatibility to existing driveways.

4. The driveway construction shall consist of 6" concrete on a compacted Subgrade or Type S-1 asphaltic concrete surface course on a 6" base, as directed by the engineer, to match the existing driveway.

5. If the asphaltic concrete option is required, the entire driveway may be resurfaced.

6. During driveway construction, temporary access and parking may be provided.

7. Items incidental to driveway construction shall be included in the square yard price for the items listed above. Such items include clearing and grubbing, excavation earthwork, grading, restoration of sodding, landscaping, sprinkler systems and all other Work that may be required to complete driveway construction.

RIGHT OF ENTRY AND RELEASE AGREEMENT FOR ROAD AND DRIVEWAY CONSTRUCTION

PROJECT NAME: _____
PROJECT NO.: _____
PROPERTY ADDRESS: _____
PROPERTY OWNER: _____
CONTRACTOR: _____

THIS AGREEMENT entered into this _____day of_____, 20___, by and between Palm Beach COUNTY (hereinafter referred to as COUNTY), its Contractor and _____ (herein referred to as OWNER), provides as follows:

WHEREAS, the COUNTY is desirous of completing the construction and widening of _____, and as part of this project is willing to construct circular driveway and/or driveway modifications on OWNER'S land to aid in OWNER'S ingress and egress; and

WHEREAS, in order to construct said driveways it is necessary for the COUNTY to enter upon the above described property of OWNER and to perform various excavating and constructing tasks thereon;

WHEREAS, the COUNTY agrees to construct the driveway and/or driveway modification for the benefit of the OWNER, the COUNTY wishes the OWNER to assume full responsibility for design, location, maintenance, and liability for driveway improvements and/or modifications upon completion of the construction.

NOW, THEREFORE, in witness of the above, and in consideration of the COUNTY agreeing to construct said driveway improvements, and for other good and valuable consideration in hand received, OWNER hereby grants unto COUNTY, their Employees, Agents, Contractors, Sub-contractors, and/or Assigns the license and right to enter upon said land of OWNER for the purpose of constructing circular driveway and/or driveway modifications for the undersigned OWNER.

IT IS FURTHER AGREED that the previously referenced considerations, OWNER, hereby releases and holds the COUNTY harmless from any damages that result or might result to OWNER'S property as a result of the COUNTY, the Employees, Agents, Contractors, Sub-contractors and/or Assigns coming upon said land for the purposes previously stated.

IT IS FURTHER AGREED that the license and rights granted herein shall cease upon completion and finalization of the Contract upon which said construction is performed.

IT IS FURTHER UNDERSTOOD AND AGREED that upon completion of construction, OWNER assumes ownership and responsibility for driveway location, maintenance and liability regarding said driveway improvements and agrees to indemnify, and hold the COUNTY harmless from all claims and liabilities that may arise out of the design, existence, location, or maintenance of said driveway.

_____	_____
WITNESS (Signature)	OWNER/AGENT (Signature)
_____	_____
WITNESS (Print Name)	OWNER/AGENT (Print Name)

PERMITS

THE CONTRACTOR IS ADVISED THAT THE FOLLOWING PAGES ARE COPIES OF THE APPLICABLE PERMITS FOR THIS PROJECT.

ALL GENERAL AND SPECIAL CONDITIONS REQUIRED BY SPECIFIC PERMIT(S) SHALL BE EXECUTED ACCORDINGLY AND IT IS THE CONTRACTOR'S RESPONSIBILITY TO ENSURE COMPLIANCE WITH SAID CONDITIONS.

ANY PERMITS REQUIRING "AS-BUILT" INFORMATION AND/OR CERTIFICATION SHALL BE PREPARED BY A PROFESSIONAL ENGINEER OR LAND SURVEYOR LICENSED IN THE STATE OF FLORIDA AND SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR.

THE CONTRACTOR IS RESPONSIBLE FOR ASSURING THE COMPLETION OF APPROPRIATE CONSTRUCTION CERTIFICATIONS, AND SUBMITTAL OF THE CONSTRUCTION COMPLETION CERTIFICATIONS TO PERMITTING AGENCIES AS REQUIRED BY EACH PERMIT INCLUDED IN THE PER SECTION OF THESE DOCUMENTS.

ALL COSTS ASSOCIATED WITH MEETING SAID REQUIREMENTS, IF NOT INCLUDED IN A BID ITEM, SHALL BE INCIDENTAL TO THE PROJECT AND NO COMPENSATION, EITHER MONETARY OR TIME, SHALL BE CONSIDERED.

MAR 2 5 2020

DATE: March 24, 2020

TO: Holly B. Knight, P.E., Contracts Section Manager

FROM: Angela D. Smith, Small Business Development Specialist III
Office of Small Business Assistance

SUBJECT: **Compliance Review on Project No.: 2020053**
Annual Roadway Landscaping Contract

The following bids have been evaluated according to the provisions set forth for the Affirmative Procurement Initiative (API) for Construction: **20% minimum mandatory SBE participation**, established for the above-mentioned project, which opened on **March 3, 2020**. The percentages are calculated with the total bid amount, there is no rounding. Non-SBE team members' participation are not counted toward the API.

Bidder #1: A Cut Above Landscape & Maintenance, Inc.
1686 D Road
Loxahatchee, FL 33470

Phone: 561-795-1995
Total Bid Amount: $2,224,813.75
SBE Prime: YES
Total API Achieved: **86.3%**

TEAM	EBO STATUS	EXP. DATE	PERCENTAGE
A CUT ABOVE LANDSCAPE & MAINTENANCE	**SBE**	**7/7/2020**	**86.3%**
WOOSTER WELL DRILLING	NON-SBE	--	--
ADVANCED BORING, INC.	NON-SBE	--	--
GERHOLD ELECTRIC, INC.	NON-SBE	--	--

Bidder #2: Superior Landscaping & Lawn Service, Inc.
2200 NW 23 Avenue
Miami, FL 33142

Phone: (305) 634-0717
Total Bid Amount: $4,344,915.95
SBE Prime: NO
Total API Achieved: **39%**

TEAM	EBO STATUS	EXP. DATE	PERCENTAGE
SUPERIOR LANDSCAPING	NON-SBE	--	--

Office of
Equal Business Opportunity
50 South Military Trail, Suite 202
West Palm Beach, FL 33415
(561) 616-6840
www.pbcgov.com/oebo

PALM BEACH COUNTY OEBO OFFICE OF EQUAL BUSINESS OPPORTUNITY
SMALL BUSINESS IS BIG BUSINESS

Palm Beach County
Board of County Commissioners

Dave Kerner, Mayor
Robert S. Weinroth, Vice Mayor
Hal R. Valeche
Gregg K. Weiss
Mary Lou Berger
Melissa McKinlay
Mack Bernard

County Administrator

Verdenia C. Baker

"An Equal Opportunity Affirmative Action Employer"

printed on sustainable and recycled paper

VINCENT & SONS LANDSCAPING, INC.	SBE	12/12/2020	4%
SULLIVAN ELECTRIC & PUMP, INC.	SBE	10/7/2022	35%
			39%

EVALUATION:

All bidders are **responsive** to the API of 20% minimum mandatory of SBE participation.

EBO FORMS

OEBO SCHEDULE 1

LIST OF PROPOSED CONTRACTOR/CONSULTANT AND SUBCONTRACTOR/SUBCONSULTANT PARTICIPATION

SOLICITATION/PROJECT/BID NAME: Annual Roadway Landscape Contract
SOLICITATION/PROJECT/BID No.: 2020053
NAME OF PRIME RESPONDENT/BIDDER: A Cut Above Landscape & Maintenance, Inc.
ADDRESS: 1686 D Road Loxahatchee, Fl 33470
CONTACT PERSON: Eneyda Gomez
PHONE NO.: 561-795-1995 E-MAIL: eneyda@acalandscape.net
SOLICITATION OPENING/SUBMITTAL DATE: 02/18/2020
DEPARTMENT: Landscape & Irrigation

PLEASE LIST THE DOLLAR AMOUNT OR PERCENTAGE OF WORK TO BE COMPLETED BY THE PRIME CONTRACTOR/CONSULTANT ON THIS PROJECT. PLEASE ALSO LIST THE DOLLAR AMOUNT OR PERCENTAGE OF WORK TO BE COMPLETED BY ALL SUBCONTRACTORS/SUBCONSULTANTS ON THE PROJECT.

	Name, Address and Phone Number	(Check all Applicable Categories) Non-SBE	M/WBE Minority/Women Business	SBE Small Business	DOLLAR AMOUNT OR PERCENTAGE OF WORK Black	Hispanic	Women	Caucasian	Other (Please Specify)
1.	A Cut Above Landscape & Maintenance, Inc. 1686 D Road Loxahatchee, Fl 33470 561-795-1995	☐	☐	☒				86.3%	
2.	Wooster Well Drilling 8936 112th Terrace North, Palm Beach Gardens, FL 33412 561-775-9855	☒	☐	☐				4.8%	
3.	Advanced Boring, Inc. 290 Truck & Trailer Way West Palm Beach, FL 33413 561-791-2590	☒	☐	☐				3.7%	
4.	Gerhold Electric Inc. 10036 NW 46th St Sunrise, FL 33351	☒	☐	☐				5.2%	
5.		☐	☐	☐					
	(Please use additional sheets if necessary)			Total				100%	

Total Bid Price $ $2,224,813.75

Total SBE - M/WBE Participation 1,920,014.27

I hereby certify that the above information is accurate to the best of my knowledge: _____ Signature

President Title

Note:
1. The amount listed on this form for a Subcontractor/subconsultant must be supported by price or percentage listed on the properly executed Schedule 2 or attached signed proposal.
2. Firms may be certified by Palm Beach County as an SBE and/or an M/WBE. If firms are certified as both an SBE and/or M/WBE, please indicate the dollar amount under the appropriate category.
3. Modification of this form is not permitted and will be rejected upon submittal.

REVISED 02/28/2019

http://discover.pbcgov.org/oebo/Pages/Compliance-Programs.aspx

EBO-1

EBO FORMS

OEBO LETTER OF INTENT – SCHEDULE 2

A completed Schedule 2 is a binding document between the Prime Contractor/consultant and a Subcontractor/subconsultant (for any tier) and should be treated as such. The Schedule 2 shall contain bolded language indicating that by signing the Schedule 2, both parties recognize this Schedule as a binding document. All Subcontractors/subconsultants, including any tiered Subcontractors/subconsultants, must properly execute this document. Each properly executed Schedule 2 must be submitted with the bid/proposal.

SOLICITATION/PROJECT NUMBER: 2020053

SOLICITATION/PROJECT NAME: Annual Roadway Landscape Contract

Prime Contractor: A Cut Above Landscape & Maintenance, Inc. Subcontractor: A Cut Above Landscape & Maintenance, Inc.

(Check box(s) that apply)

☒ SBE ☐ WBE ☐ MBE ☐ M/WBE ☐ Non-S/M/WBE Date of Palm Beach County Certification (if applicable): 07/07/2020

The undersigned affirms they are the following (select one from each column **if applicable**):

Column 1

☒ Male ☐ Female

Column 2

☐ African-American/Black ☐ Asian American ☒ Caucasian American
☐ Hispanic American ☐ Native American

Column 3

☐ Supplier

S/M/WBE PARTICIPATION – S/M/WBE Primes must document all work to be performed by their own work force on this form. Failure to submit a properly executed Schedule 2 for any **S/M/WBE** participation may result in that participation not being counted. Specify in detail, the scope of work to be performed or items supplied with the dollar amount and/or percentage for each work item. S/M/WBE credit will only be given for the areas in which the S/M/WBE is certified. A detailed proposal may be attached to a properly executed Schedule 2.

Line Item	Item Description	Unit Price	Quantity/ Units	Contingencies/ Allowances	Total Price/Percentage
	See bid tab for line items: 1-202, 210-248				86.3%

The undersigned Subcontractor/subconsultant is prepared to self-perform the above-described work in conjunction with the aforementioned project at the following total price or percentage: 86.3%

If the undersigned intends to subcontract any portion of this work to another Subcontractor/subconsultant, please list the business name and the amount below accompanied by a separate properly executed Schedule 2.

Name of 2nd/3rd tier Subcontractor/subconsultant

Price or Percentage:

A Cut Above Landscape & Maintenance, Inc.
Print Name of Prime

By: _____
Authorized Signature

Damon Rockett
Print Name

President
Title

Date: 03-02-2020

A Cut Above Landscape & Maintenance, Inc.
Print Name of Subcontractor/subconsultant

By: _____
Authorized Signature

Damon Rockett
Print Name

President
Title

Date: 03-02-2020

http://discover.pbcgov.org/oebo/Pages/Compliance-Programs.aspx

Revised 09/17/2019

EBO FORMS

OEBO LETTER OF INTENT – SCHEDULE 2

A completed Schedule 2 is a binding document between the Prime Contractor/consultant and a Subcontractor/subconsultant (for any tier) and should be treated as such. The Schedule 2 shall contain bolded language indicating that by signing the Schedule 2, both parties recognize this Schedule as a binding document. All Subcontractors/subconsultants, including any tiered Subcontractors/subconsultants, must properly execute this document. Each properly executed Schedule 2 must be submitted with the bid/proposal.

SOLICITATION/PROJECT NUMBER: 2020053

SOLICITATION/PROJECT NAME: Annual Roadway Landscape Contract

Prime Contractor: A Cut Above Landscape & Maintenance, Inc. Subcontractor: Wooster Well Drilling, Inc.

(Check box(s) that apply)

☐SBE ☐WBE ☐MBE ☐M/WBE ☒Non-S/M/WBE Date of Palm Beach County Certification (if applicable): _____

The undersigned affirms they are the following (select one from each column **if applicable**):

Column 1	Column 2	Column 3
☒Male ☐Female	☐African-American/Black ☐Asian American ☒Caucasian American ☐Hispanic American ☐Native American	☐Supplier

S/M/WBE PARTICIPATION – S/M/WBE Primes must document all work to be performed by their own work force on this form. Failure to submit a properly executed Schedule 2 for any **S/M/WBE** participation may result in that participation not being counted. Specify in detail, the scope of work to be performed or items supplied with the dollar amount and/or percentage for each work item. S/M/WBE credit will only be given for the areas in which the S/M/WBE is certified. A detailed proposal may be attached to a properly executed Schedule 2.

Line Item	Item Description	Unit Price	Quantity/ Units	Contingencies/ Allowances	Total Price/Percentage
	See bid tab for line items: 240-248, 254-262				4.8%

The undersigned Subcontractor/subconsultant is prepared to self-perform the above-described work in conjunction with the aforementioned project at the following total price or percentage: 4.8%

If the undersigned intends to subcontract any portion of this work to another Subcontractor/subconsultant, please list the business name and the amount below accompanied by a separate properly executed Schedule 2.

Name of 2nd/3rd tier Subcontractor/subconsultant _____ Price or Percentage: _____

A Cut Above Landscape & Maintenance, Inc.
Print Name of Prime

By: _____
Authorized Signature

Damon Rockett
Print Name

President
Title

Date: 03-02-2020

Wooster Well Drilling, Inc.
Print Name of Subcontractor/subconsultant

By: V. Ruth Wooster
Authorized Signature

V. Ruth Wooster
Print Name

Secretary
Title

Date: 03/03/2020

http://discover.pbcgov.org/oebo/Pages/Compliance-Programs.aspx

Revised 09/17/2019

EBO FORMS

OEBO LETTER OF INTENT – SCHEDULE 2

A completed Schedule 2 is a binding document between the Prime Contractor/consultant and a Subcontractor/subconsultant (for any tier) and should be treated as such. The Schedule 2 shall contain bolded language indicating that by signing the Schedule 2, both parties recognize this Schedule as a binding document. All Subcontractors/subconsultants, including any tiered Subcontractors/subconsultants, must properly execute this document. Each properly executed Schedule 2 must be submitted with the bid/proposal.

SOLICITATION/PROJECT NUMBER: 2020053

SOLICITATION/PROJECT NAME: Annual Roadway Landscape Contract

Prime Contractor: A Cut Above Landscape & Maintenance, Inc. Subcontractor: Advanced Boring, Inc.

(Check box(s) that apply)

☐ SBE ☐ WBE ☐ MBE ☐ M/WBE ☒ Non-S/M/WBE Date of Palm Beach County Certification (if applicable): _____

The undersigned affirms they are the following (select one from each column **if applicable**):

Column 1	Column 2	Column 3
☒ Male ☐ Female	☐ African-American/Black ☐ Asian American ☒ Caucasian American ☐ Hispanic American ☐ Native American	☐ Supplier

S/M/WBE PARTICIPATION – S/M/WBE Primes must document all work to be performed by their own work force on this form. Failure to submit a properly executed Schedule 2 for any **S/M/WBE** participation may result in that participation not being counted. Specify in detail, the scope of work to be performed or items supplied with the dollar amount and/or percentage for each work item. S/M/WBE credit will only be given for the areas in which the S/M/WBE is certified. A detailed proposal may be attached to a properly executed Schedule 2.

Line Item	Item Description	Unit Price	Quantity/ Units	Contingencies/ Allowances	Total Price/Percentage
	See bid tab for line items: 203-209, 240-248, 254-262				3.7%

The undersigned Subcontractor/subconsultant is prepared to self-perform the above-described work in conjunction with the aforementioned project at the following total price or percentage: 3.7%

If the undersigned intends to subcontract any portion of this work to another Subcontractor/subconsultant, please list the business name and the amount below accompanied by a separate properly executed Schedule 2.

Name of 2nd/3rd tier Subcontractor/subconsultant

Price or Percentage: _____

A Cut Above Landscape & Maintenance, Inc.
Print Name of Prime

By: _____
Authorized Signature

Damon Rockett
Print Name

President
Title

Date: 03-02-2020

Advanced Boring, Inc.
Print Name of Subcontractor/subconsultant

By: _____
Authorized Signature

Eduardo Monroy
Print Name

President
Title

Date: 03/03/2020

http://discover.pbcgov.org/oebo/Pages/Compliance-Programs.aspx

Revised 09/17/2019

EBO FORMS

OEBO LETTER OF INTENT – SCHEDULE 2

A completed Schedule 2 is a binding document between the Prime Contractor/consultant and a Subcontractor/subconsultant (for any tier) and should be treated as such. The Schedule 2 shall contain bolded language indicating that by signing the Schedule 2, both parties recognize this Schedule as a binding document. All Subcontractors/subconsultants, including any tiered Subcontractors/subconsultants, must properly execute this document. Each properly executed Schedule 2 must be submitted with the bid/proposal.

SOLICITATION/PROJECT NUMBER: 2020053

SOLICITATION/PROJECT NAME: Annual Roadway Landscape Contract

Prime Contractor: A Cut Above Landscape & Maintenance, Inc. Subcontractor: Gerhold Electric, Inc.

(Check box(s) that apply)

☐ SBE ☐ WBE ☐ MBE ☐ M/WBE ☒ Non-S/M/WBE Date of Palm Beach County Certification (if applicable): _____

The undersigned affirms they are the following (select one from each column **if applicable**):

Column 1	Column 2	Column 3
☒ Male ☐ Female	☐ African-American/Black ☐ Asian American ☒ Caucasian American ☐ Hispanic American ☐ Native American	☐ Supplier

S/M/WBE PARTICIPATION – S/M/WBE Primes must document all work to be performed by their own work force on this form. Failure to submit a properly executed Schedule 2 for any **S/M/WBE** participation may result in that participation not being counted. Specify in detail, the scope of work to be performed or items supplied with the dollar amount and/or percentage for each work item. S/M/WBE credit will only be given for the areas in which the S/M/WBE is certified. A detailed proposal may be attached to a properly executed Schedule 2.

Line Item	Item Description	Unit Price	Quantity/ Units	Contingencies/ Allowances	Total Price/Percentage
	See bid tab items: 240-248, 254-262				5.2%

The undersigned Subcontractor/subconsultant is prepared to self-perform the above-described work in conjunction with the aforementioned project at the following total price or percentage: 5.2%

If the undersigned intends to subcontract any portion of this work to another Subcontractor/subconsultant, please list the business name and the amount below accompanied by a separate properly executed Schedule 2.

Gerhold Electric Inc.
Name of 2nd/3rd tier Subcontractor/subconsultant

Price or Percentage: _____

A Cut Above Landscape & Maintenance, Inc.
Print Name of Prime

By: _____
Authorized Signature

Damon Rockett
Print Name

President
Title

Date: 03-02-2020

Gerhold Electric, Inc.
Print Name of Subcontractor/subconsultant

By: _____
Authorized Signature

Clayton Gerhold
Print Name

President
Title

Date: 03/03/2020

http://discover.pbcgov.org/oebo/Pages/Compliance-Programs.aspx

Revised 09/17/2019

Office of Equal Business Opportunity
Good Faith Efforts Form

PRIME CONTRACTOR GOOD FAITH EFFORTS

Prime Contractor Name: _____ **Project Name:** _____

Project No.: _____ **Date Submitted:** _____

The Prime Contractor has to demonstrate "Good Faith Efforts" to meet the S/M/WBE goal, which includes the accurate preparation and submittal of this form, and other efforts described in Section 2-80.27 (1.c) of the Equal Business Opportunity Ordinance.

When submitting a Subcontracting Goal - Waiver Request Form, please submit documentation of your efforts indicated below at time of bid. The fields below will serve as a guide for the Office of Equal Business Opportunity (OEBO) to evaluate your Good Faith Efforts toward meeting subcontracting goals. We ask that this form is utilized in order to provide uniformity to our process; additional documents can be submitted as support for efforts made. For any questions regarding this document, please contact the Office of EBO at 561-616-6840.

THE PRIME CONTRACTOR SHOULD ONLY SUBMIT THIS INFORMATION IF THE PARTICIPATION PLAN DOES NOT MEET THE CONTRACT GOAL. FAILURE TO SUBMIT THIS INFORMATION MAY RESULT IN THE BID AND/OR PROPOSAL FOUND AS NON-RESPONSIVE TO THE ENTIRE SOLICITATION. PLEASE NOTE THAT METHODS OF CONTACT CANNOT BE THE SAME ON MULTIPLE ATTEMPTS.

Scope of Service	Line Item No.	SMWBE Type for Goal	Certified Firm Name, Address, Phone, Email and Contact Person	Methods of Contact	Number of times contacted	Contact Date(s)	Certified Firm Response	Results of Contact (why suitable or not suitable for work)
		☐ SBE		☐ Phone				
		☐ MBE		☐ E-mail				
		☐ WBE		☐ Fax				
		☐ SMWBE		☐ Pre-Bid				
		☐		☐				

Authorized Signature: _____ **Date:** _____ **Phone:** _____

Print Name: _____ **Email Address:** _____

Palm Beach County

Office of Equal Business Opportunity

Subcontracting Goal – Waiver Request Form

PROJECT NAME:		DATE:	
COMPANY NAME:		CONTACT NO.:	
CONTACT PERSON:		CONTACT EMAIL:	

In the sections below, points will ONLY be awarded if the firm has fully satisfied the criteria. More information regarding Subcontracting Goal-Waiver Request Evaluation Criteria. Contractors/Consultants must obtain a total of **80 or more points** to receive a waiver approval. Vendor Directory is accessible through the Office of Equal Business Opportunity website https://www.pbcgov.org/pbcvendors .

PART I: Sufficient Commercially Useful Work Identified to Meet Subcontracting Goal

Points: ____

Please provide documentation and supporting evidence to show how the criteria was fulfilled. ***15 points possible***:

- ☐ List the specific scope of work identified for each of the S/M/WBEs contacted
- ☐ Ensure the scope of work identified for S/M/WBEs is greater than or equal to the subcontracting goal(s)
- ☐ Additional comments, if any

PART II: Initial Communications to Potential S/M/WBE Subcontractors Using EBO Portal / Website Posting of Subcontractor Solicitations/Outreach Efforts

Points: ____

Please provide documentation and supporting evidence to show how the criteria was fulfilled. ***40 points possible***:

- ☐ Contact at least three (3) S/M/WBEs in the EBO Vendor Directory for each scope of work identified to be subcontracted in Part I (emails/call logs/fax), one (1) week prior to pre-bid meeting date.
- ☐ Include current documentation of searches from the EBO Vendor Directory.
- ☐ Notify S/M/WBEs within at least 2 (two) weeks prior to the bid opening date, using at least three (3) digital media outlets (e.g. website, newspaper, trade association, publication, minority focus media)
- ☐ Additional comments, if any

PART III: Follow-up Communications & Bid Negotiations with Potential Subcontractors

Points: ____

Please provide documentation and supporting evidence to show how the criteria was fulfilled. ***30 points possible***:

- ☐ Promptly follow-up with S/M/WBEs after the initial solicitation at least 2 (two) weeks prior to the bid opening date, during normal business hours by telephone, email, or fax.
- ☐ Include a written statement with contact information on all subcontractors contacted to include the following:
  - ☐ Name of the subcontractor/firm and the contact person(s)
  - ☐ Telephone and Email address
  - ☐ Scope of work the subcontractor indicated they would perform
  - ☐ Notes regarding the outcome of the contact
  - ☐ Dates of contact and Dates of Negotiations

- ☐ The negotiated price
- ☐ Bids received from subcontractors that could provide a commercially useful function
- ☐ Additional comments, if any

PART IV: Attendance at Pre-Bid Meeting **Points:____**

County staff maintains documentation regarding attendance at the pre-bid meeting. ***5 points possible:***

- ☐ Below list the individuals from your staff/firm that attended the pre-bid meeting

PART V: Offer Assistance in Securing Financing, Insurance, or Competitive Supplier Pricing **Points: ____**

Please provide documentation and supporting evidence to show how the criteria was fulfilled. ***10 points possible:***

- ☐ Provide easy access to plans and specifications for S/M/WBEs
- ☐ Provide competitive pricing
- ☐ Make efforts to assist interested business in obtaining financing, bonds, and insurance required for the County project/bid
  - ☐ Provide written documentation of the type of assistance offered
  - ☐ Company name, contact person and telephone number
  - ☐ Name of person who provided the assistance
- ☐ Provide the name, contact person, contact information the competitive pricing offered by the Supplier.
- ☐ Other efforts (if any, list below)

CONTRACTORS/CONSULTANTS MUST OBTAIN **A TOTAL OF 80 OR MORE POINTS** TO RECEIVE A WAIVER APPROVAL. CONTRACTORS/CONSULTANTS WILL BE CONSIDERED NON-RESPONSIVE TO THE ENTIRE SOLICITATION UPON DENIAL OF THE SUBCONTRACTING WAIVER REQUEST. FOR MORE INFORMATION OF THE SUBCONTRACTING WAIVER CRITERIA OR FOR ASSISTANCE ON COMPLETING THE SUBCONTRACTING WAIVER REQUEST FORM, PLEASE CONTACT THE OFFICE OF EQUAL BUSINESS OPPORTUNITY AT (561) 616-6840.

THE UNDERSIGNED AFFIRMS/CERTIFIES THAT ALL INFORMATION CONTAINED IN THIS FORM IS ACCURATE AND COMPLETE; I UNDERSTAND THAT IF THIS REQUEST FOR WAIVER IS DENIED AND I FAIL TO MEET THE REQUIREMENTS OF THIS SOLICITATION, MY RESPONSE TO THIS SOLICITATION WILL BE DEEMED NON-RESPONSIVE TO THE ENTIRE SOLICITATION.

Signature	Print Name/Title

___ Approved
___ Denied

TOTAL SCORE: _____/100

Director, Office of Equal Business Opportunity

http://discover.pbcgov.org/oebo/Pages/Compliance-Programs.aspx

Revised 5/2019

PALM BEACH COUNTY OEBO OFFICE OF EQUAL BUSINESS OPPORTUNITY
SMALL BUSINESS IS BIG BUSINESS

REQUEST FOR SBE OR M/WBE SUBSTITUTION/MODIFICATION/REMOVAL

INSTRUCTIONS FOR SECTIONS 1 TO 3: PRIME CONTRACTOR COMPLETES ALL SECTIONS AS APPLICABLE AND SUBMITS TO DEPARTMENT PROJECT MANAGER AND OEBO OFFICE FOR APPROVAL.

Section 1: Prime Contractor/Consultant Information

Name of Prime	Contact Person	Phone

Project Name	Bid/Proposal/Project No.

Original Contract Amount	SBE Goal Achieved

Section 2: SBE or M/WBE Modification*

Name of Subcontractor/Sub consultant	Contact Person	Phone

Original Subcontract Amount	% of Contract Value

Amendment/Change Order/Contingency Amount (if Applicable)

New Contract Amount	% of Contract Value

Section 3: SBE or M/WBE Removal or Substitution*

Please attach completed Palm Beach County S/M/WBE Subcontractor/consultant's Performance Report and Good Faith Effort Form.*A separate and properly executed Schedule 2 (Letter of Intent) is required to support any changes submitted on this form, when applicable.

Approvals:

Dept. Project Manager		Signature:		Date:	
OEBO Representative		Signature:		Date:	

PBC OEBO – Orig. 12/31/2018

http://discover.pbcgov.org/oebo/Pages/Compliance-Programs.aspx

PROPOSAL FORM

A Cut Above Landscape & Maintenance, Inc.
(COMPANY NAME)

1686 D Road
(COMPANY ADDRESS)

Loxahatchee, Florida
(COMPANY CITY & STATE)

33470
(COMPANY ZIP CODE)

CONTACT NAME Eneyda Gomez

PHONE NUMBER 561-795-1995

FACSIMILE NUMBER 561-795-8898

EMAIL ADDRESS eneyda@acalandscape.net

65-0884353
FEDERAL TAX I.D. #

03/03/2020
DATE SUBMITTED

FOR THE CONSTRUCTION OF: **ANNUAL ROADWAY LANDSCAPING CONTRACT**
PALM BEACH COUNTY PROJECT NO. 2020053

TO THE BOARD OF COUNTY COMMISSIONERS OF
PALM BEACH COUNTY, FLORIDA:

We, the undersigned (Contractor), hereby declare that no person or persons, firm or corporation, other than the undersigned, are interested in this Proposal as principals, and that this Proposal is made without collusion with any person, firm, or corporation, and that we are not on the Scrutinized Companies List as stated on page SC-1, and we have carefully and to our full satisfaction examined the Contract Documents, and that we have made a full examination of the location of the proposed Work and the source of supply of Materials, and we hereby agree to furnish and pay for all necessary labor, Equipment, Materials and services, fully understanding that the quantities shown herein are approximate only and that we will fully complete all necessary Work in accordance with the Contract Documents and the requirements under them of the Engineer, within the time limit specified in this Proposal for the following unit prices, to wit:

BID PROPOSAL

ANNUAL ROADWAY LANDSCAPING

CONTRACT

PBC PROJECT #2020053

ITEM #	ITEM DESCRIPTION	QTY	UNITS	UNIT PRICE	AMOUNT
1	Agave (Agave Americana) 2' X 2', 7 Gal. Cont.	10	EA	55.00	$ 550.00
2	Agave (Agave Americana) 30" X 30", 15 Gal. Cont.	10	EA	140.00	$ 1,400.00
3	Agave (Agave Americana) 36" X 36", 25 Gal. Cont.	10	EA	235.00	$ 2,350.00
4	False Agave (Furcraea foetida) 30"x 24" O.A, 7 Gal Cont.	10	EA	86.00	$ 860.00
5	False Agave (Furcraea foetida) 3 x 3, 15 Gal Container	10	EA	129.00	$ 1,290.00
6	False Agave (Furcraea foetida) 4 x 3, 25 Gal Container	10	EA	261.00	$ 2,610.00
7	Alexander Palm (Ptychosperma Elegans) 4" Cal. Max., 14' - 16' OA, Single Trunk, Dense Canopy, B&B	50	EA	450.00	$ 22,500.00
8	Alexander Palm (Ptychosperma Elegans) 4" Cal. Max., 14'-16' OA, Double Trunk, Dense Canopy, B&B	50	EA	550.00	$ 27,500.00
9	Alexander Palm (Ptychosperma Elegans) 4" Cal. Max., 14' - 16' OA, Triple Trunk, Dense Canopy, B&B	50	EA	600.00	$ 30,000.00
10	Areca Palm (Dypsis Lutescens) 6' - 8' OA, 5-7 Cane Min., 25 Gal. Container, Full to base	25	EA	185.00	$ 4,625.00
11	Areca Palm (Dypsis Lutescens) 12' OA, Multi-Stem, 7-9 Cane Min., B&B, Full to Base	20	EA	250.00	$ 5,000.00
12	Apple Blossom Shower (Cassis Javanica) 3" Cal., 14' OA X 5' Spr., 7' C.T., B&B	4	EA	1,000.00	$ 4,000.00
13	Bald Cypress (Taxodium Distichum) 3" Cal., 12' OA X 4' Spr., 5' C.T., B&B	4	EA	425.00	$ 1,700.00
14	Bald Cypress (Taxodium Distichum) 4" Cal., 16' OA X 5' Spr., 8' C.T., B&B	4	EA	500.00	$ 2,000.00
15	Beauty Leaf (Calophyllum Brasiliense) 2.5-3" Cal., 12' OA X 5' Spr., 4'-5' C.T., B&B	4	EA	550.00	$ 2,200.00
16	Beauty Leaf (Calophyllum Brasiliense) 3-4" Cal., 14' OA X 5' Spr., 5' -6' C.T., B&B	4	EA	725.00	$ 2,900.00
17	Beauty Leaf (Calophyllum Brasiliense) 4-5" Cal., 16' OA X 6' Spr., 8' C.T., B&B	4	EA	1,200.00	$ 4,800.00
18	Black Olive (Shady Lady-Bucida Buceras) 3" Cal., 14' OA X 5' Spr.,6' C.T., B&B	3	EA	500.00	$ 1,500.00
19	Black Olive (Shady Lady- Bucida Buceras) 4" Cal., 16' OA X 8' Spr., 6'-8' C.T., B&B	4	EA	550.00	$ 2,200.00
20	Cabbage Palm (Sabal Palmetto) >12" Cal.,10' C.T., Hurricane Cut , No Boots, B&B	30	EA	300.00	$ 9,000.00
21	Cabbage Palm (Sabal Palmetto) >12" Cal., 14' C.T., Hurricane Cut, No Boots B&B	30	EA	300.00	$ 9,000.00
22	Cabbage Palm (Sabal Palmetto) >12" Cal., 16' C.T., Hurricane Cut, No Boots, B&B	25	EA	300.00	$ 7,500.00
23	Cabbage Palm (Sabal Palmetto) >12" Cal., 18' C.T., Hurricane Cut, No Boots, B&B	20	EA	300.00	$ 6,000.00
24	Cabbage Palm (Sabal Palmetto) >12" Cal. Min., 10' C.T., Hurricane Cut, Booted, B&B,	30	EA	320.00	$ 9,600.00
25	Cabbage Palm (Sabal Palmetto) >12" Cal. Min., 14' C.T., Hurricane Cut, Booted, B&B	30	EA	320.00	$ 9,600.00
26	Cabbage Palm (Sabal Palmetto) >12" Cal. Min., 16' C.T., Hurricane Cut, Booted, B&B	25	EA	320.00	$ 8,000.00
27	Cabbage Palm (Sabal Palmetto) >12" Cal. Min., 18' C.T., Hurricane Cut, Booted, B&B	20	EA	320.00	$ 6,400.00
28	Chinese Fan Palm (Livistonia Chinesis) 12-16" Cal. Min., 10'OA, Dense Canopy, B&B	2	EA	450.00	$ 900.00
29	Chinese Fan Palm (Livistonia Chinesis) 12 -16" Cal. Min., 12' OA, Dense Canopy, B&B	6	EA	500.00	$ 3,000.00
30	Chinese Fan Palm (Livistonia Chinesis) 12"-16 Cal. Min., 14' OA, Dense Canopy, B&B	6	EA	600.00	$ 3,600.00
31	Chinese Fan Palm (Livistonia Chinesis) 12-16" Cal. Min., 16' OA, Dense Canopy, B&B	6	EA	650.00	$ 3,900.00
32	Coconut Palm (Cocos Nucifera "Maypan") 10" Cal Min., 6' G.W., B&B	6	EA	800.00	$ 4,800.00
33	Coconut Palm (Cocos Nucifera "Maypan") 10" Cal. Min, 8' G.W., B&B	6	EA	900.00	$ 5,400.00
34	Coconut Palm (Cocos Nucifera "Maypan") 10" Cal. Min., 10' G.W., B&B	6	EA	1,050.00	$ 6,300.00
35	Coconut Palm (Cocos Nucifera "Maypan") 12" Cal. Min., 12' G.W., B&B	5	EA	1,150.00	$ 5,750.00
36	Crape Myrtle (Lagerstroemia Indica) 2.5" Cal., 12' OA X 4' Spr., 5' C.T., B&B, Std.	6	EA	625.00	$ 3,750.00
37	Crape Myrtle (Lagerstroemia Indica) 3" Cal., 14' OA X 6' Spr., 5' C.T., B&B, Std.	6	EA	775.00	$ 4,650.00
38	Crape Myrtle (Lagerstroemia Indica) 2.5" Cal., 12' OA X 4' Spr., 5' C.T., B&B, Multi Stem, Min. 4-5	6	EA	575.00	$ 3,450.00
39	Crape Myrtle (Lagerstroemia Indica) 3" Cal., 14' OA X 6' Spr., 5' C.T., B&B, Multi Stem, Min. 4-5	6	EA	725.00	$ 4,350.00
40	Dahoon Holly (Ilex Cassine) 2" Cal., 10' OA X 3' Spr., 4' C.T., B&B	6	EA	350.00	$ 2,100.00
41	Dahoon Holly (Ilex Cassine) 2.5" - 3" Cal., 12' OA X 3.5 -4' Spr., 5' C.T., B&B	5	EA	625.00	$ 3,125.00

BID PROPOSAL

ANNUAL ROADWAY LANDSCAPING

CONTRACT

PBC PROJECT #2020053

ITEM #	ITEM DESCRIPTION	QTY	UNITS	UNIT PRICE	AMOUNT
42	Dahoon Holly (Ilex Cassine) 3.5" Cal., 14' OA X 4-5' Spr., 5' C.T., B&B	5	EA	950.00	$ 4,750.00
43	Dahoon Nativa (Ilex Nativa) 2" Cal., 10' OA X 3' Spr., 4' C.T., 45 Gal Cont.	5	EA	550.00	$ 2,750.00
44	Dahoon Nativa (Ilex Nativa) 2.5" Cal., 12' OA X 4' Spr., 6' C.T., 45 Gal Cont.	5	EA	875.00	$ 4,375.00
45	East Palatka Holly (Ilex X Attenuata) 3" Cal., 14' OA X 4-5' Spr., 6' C.T., B&B	5	EA	950.00	$ 4,750.00
46	East Palatka Holly (Ilex X Attenuata) 3.5"-4" Cal., 16' OA X 5-6' Spr., 7' C.T., B&B	5	EA	1,100.00	$ 5,500.00
47	East Palatka Holly (Ilex X Attenuata) 4.5"-5" Cal., 18' OA X 6-8' Spr., 8' C.T., B&B	5	EA	1,250.00	$ 6,250.00
48	Drake Elm (Ulmus Parvifolia "Drake) 3.5" Cal., 14' OA X 6' Spr., 8' C.T., B&B	4	EA	1,000.00	$ 4,000.00
49	Drake Elm (Ulmus Parvifolia "Drake) 4"- 4.5" Cal., 16' OA X 8' Spr., 8½' C.T., B&B	4	EA	1,100.00	$ 4,400.00
50	Foxtail Palm (Wodyetia Bifurcata) 8" Cal. Min., 6' GW, Dense Canopy, B&B	4	EA	700.00	$ 2,800.00
51	Foxtail Palm (Wodyetia Bifurcata) 8" Cal. Min., 8' GW, Dense Canopy, B&B	4	EA	775.00	$ 3,100.00
52	Foxtail Palm (Wodyetia Bifurcata) 10" Cal. Min., 10' GW, Dense Canopy, B&B	4	EA	850.00	$ 3,400.00
53	Geiger (Cordia Sebestena) 1" Cal, 8' OA X 1.5' Spr., B&B	4	EA	300.00	$ 1,200.00
54	Geiger (Cordia Sebestena) 1½" Cal., 10' OA X 2.5' Spr., B&B	4	EA	400.00	$ 1,600.00
55	Glaucous Cassia (Senna Surattensis) 2.5" Cal., 12' OA X 4' Spr., 5' C.T., B&B	15	EA	600.00	$ 9,000.00
56	Green Buttonwood (Conocarpus Erectus) 2" Cal., 10' OA X 3-4' Spr., 4' C.T., B&B	15	EA	300.00	$ 4,500.00
57	Green Buttonwood (Conocarpus Erectus) 2.5" Cal., 12' OA X 4-5' Spr., 5' C.T., B&B	15	EA	625.00	$ 9,375.00
58	Green Buttonwood (Conocarpus Erectus) 3" Cal., 14' OA X 6 -7' Spr. ,6' C.T., B&B	15	EA	875.00	$ 13,125.00
59	Green Buttonwood (Conocarpus Erectus) 4" Cal., 16' OA X 7-8' Spr., 8' C.T., B&B	15	EA	1,250.00	$ 18,750.00
60	Green Buttonwood (Conocarpus Erectus) 4.5" Cal., 20' OA X 8-10' Spr., 9' C.T., B&B	15	EA	2,100.00	$ 31,500.00
61	Gumbo Limbo (Bursera Simaruba) 3" Cal., 12' OA X 4' Spr., 5' C.T., B&B	5	EA	600.00	$ 3,000.00
62	Gumbo Limbo (Bursera Simaruba) 5" Cal., 18'OA X 6-7' Spr., 8' C.T., B&B	5	EA	1,750.00	$ 8,750.00
63	Japanese Blueberry (Elaeocarpus Decipiens) 2.5" Cal., 10' OA X 3' Spr., 45 Gal. Std, 5' ct.	4	EA	650.00	$ 2,600.00
64	Japanese Blueberry (Elaeocarpus Decipiens) 3" Cal., 12' OA X 4' Spr., 65 Gal Std. 5' ct.	4	EA	800.00	$ 3,200.00
65	Jathropia, Standard, 4-5' OA, 25 Gal. Cont.	5	EA	200.00	$ 1,000.00
66	Jathropia, Standard, 6-7' OA, 45 Gal Cont./B&B	5	EA	325.00	$ 1,625.00
67	Jathropia, Multi-Stem, 6' Oa. Min., 45 Gal. Container/B&B	4	EA	320.00	$ 1,280.00
68	Kopsia (Ochrosia Eliptica) ¾" Cal., 3-4' OA X 2-3' Spr., 2' C.T., 15 Gal. Cont.	4	EA	300.00	$ 1,200.00
69	Kopsia (Ochrosia Eliptica) 1" Cal., 5-6' OA X 3-4' Spr., 3' C.T., 25 Gal. Cont.	4	EA	400.00	$ 1,600.00
70	Laurel Oak (Quercus Laurifolia) 3" Cal. Min., 14' OA X 4½' Spr. Min., 6' C.T., B&B	6	EA	850.00	$ 5,100.00
71	Laurel Oak (Quercus Laurifolia) 3.5"-4" Cal. Min., 16' OA X 5' Spr. Min., 8' C.T., B&B	6	EA	1,250.00	$ 7,500.00
72	Laurel Oak (Quercus Laurifolia) 5"-6" Cal. Min., 18' OA X 5.5' Spr., 8' C.T., B&B	6	EA	1,650.00	$ 9,900.00
73	Laurel Oak (Quercus Laurifolia) 6"- 8" Cal. Min., 20' OA X 6' Spr., 9' C.T., B&B	6	EA	2,750.00	$ 16,500.00
74	Ligustrum (Ligustrum Japonicum) 8' hgt. x 8' spd. Multi Stem, Min 4-5 stems, B&B	10	EA	850.00	$ 8,500.00
75	Ligustrum (Ligustrum Japonicum) 10 Hgt. x 10' Spd.' Multi Stem, 5' Ct. Min.4-5 stems B&B	10	EA	1,200.00	$ 12,000.00
76	Live Oak (Quercus Virginiana) 3" Cal. Min., 14' OA X 4.5'-5' Spr., 6' C.T., B&B	5	EA	900.00	$ 4,500.00
77	Live Oak (Quercus Virginiana) 3.5" Cal., Min., 16' OA X 5'-6' Spr., 8' C.T., B&B	5	EA	1,300.00	$ 6,500.00
78	Live Oak (Quercus Virginiana) 4.5" Cal. Min., 18' OA X 6-7" Spr., 8' C.T., B&B	5	EA	1,700.00	$ 8,500.00
79	Live Oak (Quercus Virginiana) 6" Cal. Min., 20' OA X 6' Spr., 9' C.T., B&B	5	EA	2,750.00	$ 13,750.00
80	Madagascar Olive (Noronhia Emarginata) 1" Cal. Min., 8' OA X 4' Spr., 3' C.T., B&B	5	EA	300.00	$ 1,500.00
81	Madagascar Olive (Noronhia Emarginata) 2" Cal. Min., 10' OA X 5' Spr., 4' C.T., B&B	5	EA	450.00	$ 2,250.00
82	Madagascar Olive (Noronhia Emarginata) 2.5" Cal. Min., 12' OA X 5" Spr., 5' C.T., B&B	5	EA	700.00	$ 3,500.00
83	Mahogany (Swietenia Mahogani) 4" Cal. Min., 16' OA X 8'-10' Spr., 8' C.T., B&B	5	EA	1,450.00	$ 7,250.00
84	Mahogany (Swietenia Mahogani) 4.5" Cal. Min., 18' OA X 8' - 10' Spr., 8' C.T., B&B	5	EA	2,125.00	$ 10,625.00
85	Montgomery Palm (Veitchia Montgomeryana) 8-10" Cal. Min., 12-14' OA, Sgl Stem, B&B	5	EA	600.00	$ 3,000.00

BID PROPOSAL

ANNUAL ROADWAY LANDSCAPING

CONTRACT

PBC PROJECT #2020053

ITEM #	ITEM DESCRIPTION	QTY	UNITS	UNIT PRICE	AMOUNT
86	Montgomery Palm (Veitchia Montgomeryana) 8-10" Cal. Min., 14-16' OA, Dbl Stem, B&B	5	EA	700.00	$ 3,500.00
87	Montgomery Palm (Veitchia Montgomeryana) 8-10" Cal. Min., 16-18' OA, Tpl. Stem, B&B	5	EA	800.00	$ 4,000.00
88	Oleander (Nerium Oleander) Standard, 1¼" Cal., 8' OA X 2.5' Spr., 3' C.T., B&B	10	EA	250.00	$ 2,500.00
89	Oleander (Nerium Oleander) Standard, 2" Cal., 10' OA X 3.5' Spr., 4' C.T., 25 Gal Cont. or B&B	10	EA	400.00	$ 4,000.00
90	Oleander (Nerium Oleander) Standard, 2.5" Cal., 12' OA X 4' Spr., 5' C.T., 65 Gal Cont. or B&B	10	EA	550.00	$ 5,500.00
91	Orchid Tree (Bauhinia Blakeana) 2½" Cal., 14' OA X 4½' Spr., 6' C.T., B&B	5	EA	550.00	$ 2,750.00
92	Paurotis Palm (Acoelrrhaphe Wrightii) 10-12' OA X 6' SPR, Min. 6-7 Main Trunks, Dense Canopy, B&B	10	EA	1,050.00	$ 10,500.00
93	Paurotis Palm (Acoelrrhaphe Wrightii) 14-16' OA X 7' SPR, Min. 8-10 Main Trunks, Dense Canopy, B&B	10	EA	1,200.00	$ 12,000.00
94	Pigeon Plum (Coccoloba Diversifolia) 2" Cal., 10' - 12' OA X 3.5' Spr., 4' C.T., B&B	10	EA	400.00	$ 4,000.00
95	Pigeon Plum (Coccoloba Diversifolia) 2½" Cal., 12' - 14' OA X 4' Spr., 5' C.T., B&B	10	EA	600.00	$ 6,000.00
96	Pitch Apple (Clusia Rosea) 2" Cal., 8-10' OA X 4-5' Spr., 3-4' C.T., 45 Gal.Cont.	10	EA	450.00	$ 4,500.00
97	Pitch Apple (Clusia Rosea) 2.5" Cal., 12-14' OA X 4-5' Spr., 4-5' C.T., B&B	10	EA	1,000.00	$ 10,000.00
98	Pond Apple (Annona glabra) 2" Cal; 6-7' OA, 3' C.T. 25 Gal.	10	EA	300.00	$ 3,000.00
99	Pond Apple (Annona glabra) 2.5" Cal; 8-10' OA, 3-4' C.T. B&B	10	EA	350.00	$ 3,500.00
100	Pygmy Date Palm (Phoenix Roebelenii) 5-6' OA , Sgl., B&B	5	EA	225.00	$ 1,125.00
101	Pygmy Date Palm (Phoenix Roebelenii) 5-6' OA , Dbl., B&B, Matched Stems	5	EA	275.00	$ 1,375.00
102	Pygmy Date Palm (Phoenix Roebelenii) 6-8' OA , Tpl. B&B, Matched Stems	5	EA	325.00	$ 1,625.00
103	Redbay (Persea Borbonia) 2" Cal., 8-10' OA X 4' Spr., 3-4' C.T., 45 gal. Cont.	10	EA	550.00	$ 5,500.00
104	Red Maple (Acer Rubrum) 2.5-3" Cal., 12' OA X 4-5' Spr., 4-5' C.T., 65gal. Cont./B&B	10	EA	550.00	$ 5,500.00
105	Red Maple (Acer Rubrum) 3" Cal., 14' OA X 5' Spr., 6' C.T., B&B	10	EA	600.00	$ 6,000.00
106	Red Maple (Acer Rubrum) 3.5 -4" Cal., 16' OA X 6' Spr., 6' C.T., B&B	10	EA	900.00	$ 9,000.00
107	Red Maple (Acer Rubrum) 4" Cal.,18' OA X 8' Spr., 8' C.T., B&B	10	EA	1,250.00	$ 12,500.00
108	Royal Palm (Roystonea Elata) 24" Cal. Min., 10' G.W., Dense Canopy, B&B	4	EA	2,000.00	$ 8,000.00
109	Royal Palm (Roystonea Elata) 30" Cal. Min., 12' G.W., Dense Canopy, B&B	4	EA	2,500.00	$ 10,000.00
110	Sea Grape (Coccoloba Uvifera) 1½" Cal., 6-8' OA , Bush, 45 Gal. Container,	5	EA	180.00	$ 900.00
111	Sea Grape (Coccoloba Uvifera) 2½" Cal., 10'-12 OA , Bush, B&B	5	EA	400.00	$ 2,000.00
112	Silver Buttonwood (Conocarpus Erectus Sericeus) 2" Cal., 10' OA X 3.5' Spr., 4' C.T., 45 gal. Cont	10	EA	450.00	$ 4,500.00
113	Silver Buttonwood (Conocarpus Erectus Sericeus) 2-2.5" Cal., 12' OA X 4' Spr., 6' C.T., B&B or 65 GAL. Cont.	10	EA	700.00	$ 7,000.00
114	Silver Buttonwood (Conocarpus Erectus Sericeus) 2.5-3" Cal., 14' OA X 5' Spr., 8' C.T., B&B	10	EA	1,200.00	$ 12,000.00
115	Simpson's Stopper (MyrcIanthes Fragrans) 1" Cal., 6' OA X 14" Spr., 2' C.T., 45 gal Cont.	6	EA	175.00	$ 1,050.00
116	Simpson's Stopper (MyrcIanthes Fragrans) 1.5" Cal., 8' OA X 22" Spr., 3' C.T., 65 gal Cont. or B&B	6	EA	350.00	$ 2,100.00
117	Simpson's Stopper (Myrclanthes Fragrans) 2.5" Cal., 10' OA X 3' Spr., 4' C.T., B&B	6	EA	625.00	$ 3,750.00
118	South Florida Slash Pine (Pinus Elliotti 'Densa') 2" Cal., 8' OA X 30" Spr., 2' C.T., 30 Gal. Container	6	EA	325.00	$ 1,950.00
119	South Florida Slash Pine (Pinus Elliotti 'Densa') 2.5" Cal., 10' OA X 3' Spr., 3' C.T., 45 Gal. Container	6	EA	450.00	$ 2,700.00
120	South Florida Slash Pine (Pinus Elliotti 'Densa') 3" Cal., 12' OA X 3' Spr., 4' C.T., 65 Gal. Container	6	EA	550.00	$ 3,300.00
121	South Florida Slash Pine (Pinus Elliotti 'Densa') 4" Cal., 14'-16' OA X 4' Spr., 5' C.T., 65 Gal. Container or B&B	6	EA	650.00	$ 3,900.00
122	Spanish Stopper (Eugenia Foetida) 1" Cal., 6' OA X 2' Spr., 2' C.T., 25 gal Cont.	4	EA	225.00	$ 900.00

BID PROPOSAL

ANNUAL ROADWAY LANDSCAPING

CONTRACT

PBC PROJECT #2020053

ITEM #	ITEM DESCRIPTION	QTY	UNITS	UNIT PRICE	AMOUNT
123	Spanish Stopper (Eugenia Foetida) 1½" Cal., 8' OA X 30" Spr., 3' C.T., B&B	4	EA	325.00	$ 1,300.00
124	Spanish Stopper (Eugenia Foetida) 2½" Cal., 10' OA X 36" Spr., 4' C.T., B&B	4	EA	425.00	$ 1,700.00
125	Thatch Palm (Thrinax Radiata) 4" Cal. Min., 6' OA, Dense Canopy, B&B	6	EA	500.00	$ 3,000.00
126	Thatch Palm (Thrinax Radiata) 4" Cal. Min., 8' OA, Dense Canopy, B&B	6	EA	700.00	$ 4,200.00
127	Thatch Palm (Thrinax Radiata) 3" Cal. Min., 10' OA, Dense Canopy, B&B	6	EA	900.00	$ 5,400.00
128	Thatch Palm (Thrinax Radiata) 4" Cal. Min., 12' OA, Dense Canopy, B&B	6	EA	1,100.00	$ 6,600.00
129	Thatch Palm (Thrinax Radiata) 4" Cal. Min., 14' OA, Dense Canopy, B&B	6	EA	1,300.00	$ 7,800.00
130	Washington Palm (Washingtonia Robusta) 18" Cal. Min., 14' 0A, Dense Canopy, B&B	6	EA	500.00	$ 3,000.00
131	Washington Palm (Washingtonia Robusta) 18" Cal. Min., 16' 0A, Dense Canopy, B&B	6	EA	600.00	$ 3,600.00
132	Washington Palm (Washingtonia Robusta) 24" Cal. Min., 18' 0A, Dense Canopy, B&B	6	EA	700.00	$ 4,200.00
133	Washington Palm (Washingtonia Robusta) 30" Cal. Min., 20' 0A, Dense Canopy, B&B	6	EA	800.00	$ 4,800.00
134	Wax Myrtle (Myrica Cerifera) 1¼" Cal., 8' OA X 4' Spr., 3' C.T., 30 Gal. Container, Multi Stem	5	EA	250.00	$ 1,250.00
135	Wax Myrtle (Myrica Cerifera) 2" Cal., 10' OA X5' Spr., 4' C.T., 45 Gal. Cont. Multi Stem	5	EA	375.00	$ 1,875.00
136	Wax Myrtle (Myrica Cerifera) 2½" Cal., 12' OA X 6' Spr., 5' C.T., B&B, Mult Stem	5	EA	500.00	$ 2,500.00
137	Weeping Fig (Ficus Benjamina) 4-5' Hgt X 30" Spr., 15 Gal. Container	4	EA	150.00	$ 600.00
138	Weeping Fig (Ficus Benjamina) 6'-7' Hgt X 36" spr., 25 Gal. Container	4	EA	275.00	$ 1,100.00
139	Weeping Fig (Ficus Benjamina) 8 Hgt' X 4' Spr, Full to Base, 45 Gal Cont.	4	EA	400.00	$ 1,600.00
140	White Stopper (Eugenia Axcillaris) 1" Cal., 6' OA X 14" Spr., 3' C.T., 25 Gal Cont.	4	EA	325.00	$ 1,300.00
141	White Stopper (Eugenia Axcillaris) 1½" Cal., 8' OA X 30" Spr., 3' C.T., 45 Gal. Cont.	4	EA	425.00	$ 1,700.00
142	White Stopper (Eugenia Axcillaris) 2½" Cal., 10' OA X 34" Spr., 4' C.T., B&B	4	EA	525.00	$ 2,100.00
143	Wild Tamarind (Lysiloma Latisliqua) 3" Cal., 16' OA X 5 Spr., 8' C.T., B&B	10	EA	1,150.00	$ 11,500.00
144	Winin Palm (Veitchia Winin) 8" Cal. Min., 12-14' OA, Dense Canopy, B&B	10	EA	850.00	$ 8,500.00
145	Winin Palm (Veitchia Winin) 10" Cal. Min., 14-16' OA, Dense Canopy, B&B	10	EA	1,000.00	$ 10,000.00
146	White Tabeuia (Tabebuia bahamensis) 2,5" - 3" Cal., 12' OA X 4' Spr., 6' C.T., 45 Gal. Cont./ B&B	10	EA	900.00	$ 9,000.00
147	Yellow Tabeuia (Tabebuia Caraiba) 3½" Cal., 16' OA X 5 Spr., 8' C.T., B&B	10	EA	750.00	$ 7,500.00
148	Verawood (Bulnesia Arborea) 2.5"-3" Cal., 12' OA X 5' Spr., 6' C.T., B&B,	10	EA	825.00	$ 8,250.00
149	Vines: Coral Honeysuckel Vine (Lonicera Sempervirens) 3' OA X 16" Spr., on Trellis, 7 Gal. Container, Native Flower	10	EA	45.00	$ 450.00
150	Vines: Confederate Jasmine (Trachelospermum Jasminoides) 3' OA X 16" Spr., on Trellis, 7 Gal. Container	10	EA	45.00	$ 450.00
151	Vines: Skyblue Cluster Vine(Jacquemontia pentanthos) 3' OA X 16" Spr., on Trellis, 7 Gal. Container, Native Flower	10	EA	50.00	$ 500.00
152	Vines: Flame Vine (Pyrostegia venusta) 3' OA X 16" Spr., on Trellis, 7 Gal. Container	10	EA	50.00	$ 500.00
153	Accent Plants, 1 Gal. Container; See example plant list	250	EA	10.00	$ 2,500.00
154	Accent Plants, 3 Gal. Container, See example plant list	250	EA	30.00	$ 7,500.00
155	Groundcovers, 1 Gal. Container, See example plant list	200	EA	10.00	$ 2,000.00
156	Woody Ornamentals, 3 Gal. Container, See example plant list	200	EA	30.00	$ 6,000.00
157	Woody Ornamentals, 7 Gal. Container, See example plant list	200	EA	65.00	$ 13,000.00
158	Root pruning of Palms, See Specification	25	HR	75.00	$ 1,875.00
159	Root Pruning of Hardwoods, See specification	25	HR	75.00	$ 1,875.00
160	Tree Trimming - Large; Over 18' in height	100	HR	100.00	$ 10,000.00
161	Tree Trimming - Small; 18' or less in height	200	HR	100.00	$ 20,000.00
162	Palm Trimming - Large; Over 18' in height	500	HR	100.00	$ 50,000.00
163	Palm Trimming - Small; 18' or less in height	100	HR	100.00	$ 10,000.00

BID PROPOSAL

ANNUAL ROADWAY LANDSCAPING

CONTRACT

PBC PROJECT #2020053

ITEM #	ITEM DESCRIPTION	QTY	UNITS	UNIT PRICE	AMOUNT
164	Tree Removal - Large; over 40' wide canopy "Include dump Charges"	10	HR	100.00	$ 1,000.00
165	Tree Removal - Medium; 20' - 40' wide canopy "Include dump Charges"	10	HR	100.00	$ 1,000.00
166	Tree Removal - Small; Less than 20' wide canopy "Include dump Charges"	10	HR	100.00	$ 1,000.00
167	Remove Tree (Less Than 12" Caliper) "Include dump Charges"	25	HR	100.00	$ 2,500.00
168	Remove Tree (12" - 24" Caliper) "Include dump Charges"	25	HR	100.00	$ 2,500.00
169	Remove Palm (All Sizes) "Include dump Charges"	25	HR	100.00	$ 2,500.00
170	Stump Removal 12-60" Dia "Include dump Charges"	10	HR	100.00	$ 1,000.00
171	Palm Relocation by 90" Mounted Tree Spade - farther than 5 miles	10	HR	500.00	$ 5,000.00
172	Palm Relocation by 90" Mounted Tree Spade - within 5 miles	10	HR	450.00	$ 4,500.00
173	Palm Relocation by Crane - farther than 5 miles	10	HR	500.00	$ 5,000.00
174	Palm Relocation by Crane - within 5 miles	10	HR	450.00	$ 4,500.00
175	Tree Relocation by 90" Tree Mounted Spade within 5 miles	10	HR	450.00	$ 4,500.00
176	Tree Relocation by 90" Tree Mounted Spade further than 5 miles	10	HR	500.00	$ 5,000.00
177	Tree Relocation by Crane - Farther than 5 miles	10	HR	500.00	$ 5,000.00
178	Tree Relocation by Crane - Within 5 miles	10	HR	450.00	$ 4,500.00
	Furnish and Install Sod:				
179	Site Preparation and Installation of St. Augustine "Floratam" Sod	80,000	SF	0.85	$ 68,000.00
180	Site Preparation and Installation of Bahia "Argentine" Sod	12,000	SF	0.60	$ 7,200.00
181	Site Preparation and Installation of Bahia "Argentine" Seed	11,000	SY	1.00	$ 11,000.00
182	Furnish and Install Topsoil	275	CY	50.00	$ 13,750.00
183	Furnish and Install #2 Fill Soil	275	CY	50.00	$ 13,750.00
184	Furnish and Install Mulch -Bulk	275	CY	50.00	$ 13,750.00
185	Furnish and Install Mulch - 3 Cu. Ft. Bag	275	BAG	4.00	$ 1,100.00
186	Furnish and Apply Fertilizer - Irrigated Sod	5	BAG	50.00	$ 250.00
187	Furnish and Apply Fertilizer - un-Irrigated Sod	5	BAG	50.00	$ 250.00
188	Furnish and Apply Weed & Feed Fertilizer - Irrigated Sod	5	BAG	60.00	$ 300.00
189	Furnish and Apply Weed & Feed Fertilizer - un-Irrigated Sod	5	BAG	60.00	$ 300.00
190	Furnish and Install Rigid Root Barrier	275	LF	45.00	$ 12,375.00
191	Furnish and Install Flexible Root Barrier	275	LF	55.00	$ 15,125.00
192	Excavation of Existing/Dead Material (incl. Removal/Disposal)	10	HR	100.00	$ 1,000.00
193	50/50 Backfill (Furnish and Install)	10	CY	60.00	$ 600.00
194	Painting of Three (3) Vertical Stake System (as Specified)	150	EA	60.00	$ 9,000.00
195	Painting of Four (4) Vertical Stake System (as Specified)	75	EA	80.00	$ 6,000.00
196	Painting of Four (4) Brace System (as Specified)	175	EA	80.00	$ 14,000.00
197	Re-Staking of Three (3) Vertical Stake System (per Stake)	10	EA	100.00	$ 1,000.00
198	Re-Staking of Four (4) Vertical Stake System (per Stake)	6	EA	125.00	$ 750.00
199	Re-Staking of Four (4) Brace System (per Stake)	5	EA	150.00	$ 750.00
200	Watering (as Specified)	350	HR	60.00	$ 21,000.00
	Turf Maintenance				
201	Small Machine (Riding or Walk-behind Turf Equipment) Turf Maintenance, Including Mowing, Edging, Trimming, Litter Collection and Disposal	10	AC	250.00	$ 2,500.00
202	Large Machine (i.e. Trackor PTO, or Bellie Tracker) Turf Maintenance, Including Mowing, Edging, Trimming, Litter Collection and Disposal	6	AC	250.00	$ 1,500.00

BID PROPOSAL

ANNUAL ROADWAY LANDSCAPING

CONTRACT

PBC PROJECT #2020053

ITEM #	ITEM DESCRIPTION	QTY	UNITS	UNIT PRICE	AMOUNT
	County Wide Irrigation Products and Services - See Pay Item Footnote #15				
203	2" HDPE Directional Bore Irrigation Sleeve ***(See Pay Item Footnote #15)***	75	LF	30.00	$ 2,250.00
204	2-1/2" HDPE Directional Bore Irrigation Sleeve ***(See Pay Item Footnote #15)***	75	LF	32.00	$ 2,400.00
205	3" HDPE Directional Bore Irrigation Sleeve ***(See pay Item Footnote #15)***	75	LF	40.00	$ 3,000.00
206	4" HDPE Directional Bore Irrigation Sleeve ***(See Pay Item Footnote #15)***	75	LF	45.00	$ 3,375.00
207	6" HDPE Directional Bore Irrigation Sleeve ***(See pay Item Footnote #15)***	75	LF	55.00	$ 4,125.00
208	8" HDPE Directional Bore Irrigation Sleeve ***(See Pay Item Footnote #15)***	75	LF	68.00	$ 5,100.00
209	10" HDPE Directional Bore Irrigation Sleeve ***(See Pay Item Footnote #15)***	75	LF	80.00	$ 6,000.00
	Furnish and Install Scheule 40 Irrigation Lines (Complete) - See Pay Item Footnote #16				
210	3/4" PVC ***(See Pay Item Footnote #16)***	100	LF	1.75	$ 175.00
211	1" PVC **(See Pay Item Footnote #16)**	650	LF	2.25	$ 1,462.50
212	1¼" PVC ***(See Pay Item Footnote #16)***	275	LF	2.75	$ 756.25
213	1½" PVC ***(See Pay Item Footnote #16)***	275	LF	3.00	$ 825.00
214	2" PVC ***(See Pay Item Footnote #16)***	275	LF	3.25	$ 893.75
215	2-1/2" PVC ***(See Pay Item Footnote #16)***	75	LF	4.00	$ 300.00
	Furnish and Install Schedule 40 "Purple" Re-Use Irrigation Lines (Complete) - See Pay Item Footnote #16				
216	3/4" PVC ***(See Pay Item Footnote #16)***	250	LF	1.80	$ 450.00
217	1" PVC ***(See Pay Item Footnote #16)***	625	LF	2.30	$ 1,437.50
218	1¼" PVC ***(See Pay Item Footnote #16)***	215	LF	2.80	$ 602.00
219	1½" PVC ***(See Pay Item Footnote #16)***	215	LF	3.05	$ 655.75
220	2" PVC ***(See Pay Item Footnote #16)***	215	LF	3.30	$ 709.50
221	2-1/2" PVC ***(See Pay Item Footnote #16)***	80	LF	4.05	$ 324.00
	Furnish and Install Class 200 Irrigation Lines (Complete) - See Pay Item Footnote #17				
222	2½" O-Ring PVC Main w/Restraints - *(See TSP's, SP's, and GP's for Installation)* ***(See Pay Item Footnote #17)***	100	LF	6.00	$ 600.00
223	3" O-Ring PVC Main W/Restraints - *(See TSP's, SP's, and GP's for Installation)* ***(See Pay Item Footnote #17)***	100	LF	7.50	$ 750.00
224	4" O-Ring PVC Main W/Restraints - *(See TSP's, SP's, and GP's for Installation)* ***(See Pay Item Footnote #17)***	100	LF	9.00	$ 900.00
225	6" O-Ring PVC Main W/Restraints - *(See TSP's, SP's, and GP's for Installation)* ***(See Pay Item Footnote #17)***	100	LF	18.00	$ 1,800.00
	Furnish and Install HDPE Irrigation Lines (Complete) - See Pay Item Footnotes #18 & 19				
226	1" HDPE PVC (Provide transition fittings to PVC) ***(See Pay Item Footnote #18)***	75	LF	10.00	$ 750.00
227	2" HDPE PVC (Provide transition fittings to PVC) ***(See Pay Item Footnote #18)***	75	LF	16.50	$ 1,237.50
228	2-1/2" HDPE PVC (Provide transition fittings to PVC) ***(See Pay Item Footnote #18)***	75	LF	18.00	$ 1,350.00
229	3" HDPE PVC (Provide transition fittings to PVC) ***(See Pay Item Footnote #18)***	115	LF	20.00	$ 2,300.00
230	4" HDPE PVC (Provide transition fittings to PVC) ***(See Pay Item Footnote #18)***	115	LF	24.00	$ 2,760.00
231	6" HDPE PVC (Provide transition fittings to PVC) ***(See Pay Item Footnote #18)***	115	LF	32.00	$ 3,680.00
232	Provide Connection to Existing Irrigation System ***(See Pay Item Footnote #19)***	2	LF	1,500.00	$ 3,000.00
233	Provide Connection to Ex. Potable Water Line ***(See Pay Item Footnote #19)***	3	LF	2,000.00	$ 6,000.00
234	Provide Connection to Exist. Re-Use Water Line ***(See Pay Item Footnote #19)***	2	LF	2,000.00	$ 4,000.00

BID PROPOSAL

ANNUAL ROADWAY LANDSCAPING

CONTRACT

PBC PROJECT #2020053

ITEM #	ITEM DESCRIPTION	QTY	UNITS	UNIT PRICE	AMOUNT
	Furnish and Install Pump and Complete Pump Station - See Pay Item Footnotes #20, 21 & 32				
235	Furnish & Install 2 HP Centrifugal Pump and Complete Pump Station For Obtaining Water from an Adjacent Water Body ***(See Pay Item Footnotes #20 & 32)***	2	EA	8,600.00	$ 17,200.00
236	Furnish & Install 3 HP Centrifugal Pump and Complete Pump Station For Obtaining Water from an Adjacent Water Body ***(See Pay Item Footnotes #20 & 32)***	1	EA	10,100.00	$ 10,100.00
237	Furnish & Install 5 HP Centrifugal Pump and Complete Pump Station For Obtaining Water from an Adjacent Water Body ***(See Pay Item Footnotes #20 & 32)***	1	EA	13,100.00	$ 13,100.00
238	Furnish & Install 7½ HP Centrifugal Pump and Complete Pump Station For Obtaining Water from an Adjacent Water Body ***(See Pay Item Footnotes #20 & 32)***	1	EA	19,100.00	$ 19,100.00
239	Furnish & Install 10 HP Centrifugal Pump and Complete Pump Station For Obtaining Water from an Adjacent Water Body ***(See Pay Item Footnotes #20 & 32)***	1	EA	25,100.00	$ 25,100.00
240	Furnish & Install 2 HP Centrifugal Pump and Complete Pump Station For Obtaining Water from Well ***(See Pay Item Footnotes #21 & 32)***	2	EA	22,600.00	$ 45,200.00
241	Furnish & Install 3 HP Centrifugal Pump and Complete Pump Station For Obtaining Water from Well ***(See Pay Item Footnotes #21 & 32)***	1	EA	23,900.00	$ 23,900.00
242	Furnish & Install 5 HP Centrifugal Pump and Complete Pump Station For Obtaining Water from Well ***(See Pay Item Footnotes #21 & 32)***	1	EA	26,600.00	$ 26,600.00
243	Furnish & Install 7½ HP Centrifugal Pump and Complete Pump Station For Obtaining Water from Well ***(See Pay Item Footnotes #21 & 32)***	1	EA	32,400.00	$ 32,400.00
244	Furnish & Install 10 HP Centrifugal Pump and Complete Pump Station For Obtaining Water from Well ***(See Pay Item Footnotes #21 & 32)***	1	EA	38,100.00	$ 38,100.00
245	Furnish & Install 2 HP Submersible Pump and Complete Pump Station For Obtaining Water from Well ***(See Pay Item Footnotes #21 & 32)***	2	EA	23,100.00	$ 46,200.00
246	Furnish & Install 3 HP Submersible Pump and Complete Pump Station For Obtaining Water from Well ***(See Pay Item Footnotes #21 & 32)***	1	EA	24,100.00	$ 24,100.00
247	Furnish & Install 5 HP Submersible Pump and Complete Pump Station For Obtaining Water from Well ***(See Pay Item Footnotes #21 & 32)***	1	EA	31,000.00	$ 31,000.00
248	Furnish & Install 7½ HP Submersible Pump and Complete Pump Station For Obtaining Water from Well ***(See Pay Item Footnotes #21 & 32)***	1	EA	34,100.00	$ 34,100.00
	Furnish and Install Pump and Complete Pump Station without vaults - See Pay Item Footnotes #20 & 21 &32				
249	Furnish & Install 2 HP Centrifugal Pump and Complete Pump Station For Obtaining Water from an Adjacent Water Body ***(See Pay Item Footnote #20 & 32)***	2	EA	8,600.00	$ 17,200.00
250	Furnish & Install 3 HP Centrifugal Pump and Complete Pump Station For Obtaining Water from an Adjacent Water Body ***(See Pay Item Footnote #20 & 32)***	1	EA	10,100.00	$ 10,100.00
251	Furnish & Install 5 HP Centrifugal Pump and Complete Pump Station For Obtaining Water from an Adjacent Water Body ***(See Pay Item Footnote #20 & 32)***	1	EA	13,100.00	$ 13,100.00
252	Furnish & Install 7½ HP Centrifugal Pump and Complete Pump Station For Obtaining Water from an Adjacent Water Body ***(See Pay Item Footnote #20 & 32)***	1	EA	19,100.00	$ 19,100.00
253	Furnish & Install 10 HP Centrifugal Pump and Complete Pump Station For Obtaining Water from an Adjacent Water Body ***(See Pay Item Footnote #20 &32)***	1	EA	25,100.00	$ 25,100.00
254	Furnish & Install 2 HP Centrifugal Pump and Complete Pump Station For Obtaining Water from Well ***(See Pay Item Footnote #21 &32)***	2	EA	17,600.00	$ 35,200.00
255	Furnish & Install 3 HP Centrifugal Pump and Complete Pump Station For Obtaining Water from Well ***(See Pay Item Footnote #21 &32)***	1	EA	18,900.00	$ 18,900.00
256	Furnish & Install 5 HP Centrifugal Pump and Complete Pump Station For Obtaining Water from Well ***(See Pay Item Footnote #21 &32)***	1	EA	21,600.00	$ 21,600.00
257	Furnish & Install 7½ HP Centrifugal Pump and Complete Pump Station For Obtaining Water from Well ***(See Pay Item Footnote #21 &32)***	1	EA	27,400.00	$ 27,400.00
258	Furnish & Install 10 HP Centrifugal Pump and Complete Pump Station For Obtaining Water from Well ***(See Pay Item Footnote #21 &32)***	1	EA	33,100.00	$ 33,100.00
259	Furnish & Install 2 HP Submersible Pump and Complete Pump Station For Obtaining Water from Well ***(See Pay Item Footnote #21 &32)***	2	EA	18,100.00	$ 36,200.00

BID PROPOSAL

ANNUAL ROADWAY LANDSCAPING

CONTRACT

PBC PROJECT #2020053

ITEM #	ITEM DESCRIPTION	QTY	UNITS	UNIT PRICE	AMOUNT
260	Furnish & Install 3 HP Submersible Pump and Complete Pump Station For Obtaining Water from Well ***(See Pay Item Footnote #21 &32)***	1	EA	19,100.00	$ 19,100.00
261	Furnish & Install 5 HP Submersible Pump and Complete Pump Station For Obtaining Water from Well ***(See Pay Item Footnote #21 &32)***	1	EA	26,100.00	$ 26,100.00
262	Furnish & Install 7½ HP Submersible Pump and Complete Pump Station For Obtaining Water from Well ***(See Pay Item Footnote #21 &32)***	1	EA	29,100.00	$ 29,100.00
	Furnish Only - Pump (Delivered as Directed) - See Pay Item Footnote #22				
263	Furnish Only - 2 HP Centrifugal Pump (Delivered as Directed) - Complete ***(See Pay Item Footnote #22)***	1	EA	1,500.00	$ 1,500.00
264	Furnish Only - 3 HP Centrifugal Pump (Delivered as Directed) - Complete ***(See Pay Item Footnote #22)***	1	EA	2,450.00	$ 2,450.00
265	Furnish Only - 5 HP Centrifugal Pump (Delivered as Directed) - Complete ***(See Pay Item Footnote #22)***	1	EA	3,000.00	$ 3,000.00
266	Furnish Only - 71/2 HP Centrifugal Pump (Delivered as Directed) - Complete ***(See Pay Item Footnote #22)***	1	EA	4,400.00	$ 4,400.00
267	Furnish Only - 10 HP Centrifugal Pump (Delivered as Directed) - Complete ***(See Pay Item Footnote #22)***	1	EA	5,500.00	$ 5,500.00
	Miscellanoeus Irrigation Pump and Pump Station Items Furnish and Install - Complete				
268	Concrete Vault, 48" X 48" X 36", with Drainage	2	EA	3,750.00	$ 7,500.00
269	Aluminum Vault Lid	2	EA	1,600.00	$ 3,200.00
270	Pastic Tank, 55 Gal.	2	EA	750.00	$ 1,500.00
271	1/4 HP Sump Pump with Discharge Piping and Pop-up Discharge Blow Off	2	EA	1,200.00	$ 2,400.00
272	Injector Pump	2	EA	900.00	$ 1,800.00
273	Fused Main Disconnect, with Meter - 2 HP Pump Station	1	EA	2,800.00	$ 2,800.00
274	Fused Main Disconnect, with Meter - 3HP Pump Station	1	EA	2,900.00	$ 2,900.00
275	Fused Main Disconnect, with Meter - 5HP Pump Station	1	EA	4,500.00	$ 4,500.00
276	Fused Main Disconnect, with Meter - 7½ HP Pump Station	1	EA	5,500.00	$ 5,500.00
277	Fused Main Disconnect, with Meter - 10 HP Pump Station	1	EA	6,250.00	$ 6,250.00
278	1" Grey PVC Sch 40 - in Addition to 200' Base Length (Installed in Trench) ***(See Pay Item Footnote #25)***	75	LF	2.00	$ 150.00
279	1" Grey PVC Sch 80 - in Addition to 200' Base Length (Installed Above Ground or Under Pavement) ***(See Pay Item Footnote #25)***	70	LF	4.00	$ 280.00
280	1½" Grey PVC Sch 40 - in Addition to 200' Base Length (Installed in Trench) ***(See Pay Item Footnote #25)***	70	LF	4.00	$ 280.00
281	1½" Grey PVC Sch 80 - in Addition to 200' Base Length (Installed Above Ground or Under Pavement) ***(See Pay Item Footnote #25)***	70	LF	8.00	$ 560.00
282	2" Grey PVC Sch 40 - in Addition to 200' Base Length (Installed in Trench) ***(See Pay Item Footnote #25)***	65	LF	6.00	$ 390.00
283	2" Grey PVC Sch 80 - in Addition to 200' Base Length (Installed Above Ground or Under Pavement) ***(See Pay Item Footnote #25)***	65	LF	9.00	$ 585.00
284	#12 THWN Copper Wire Service (Installed in Conduit in Excess of 200' Base Length) ***(See Payitem Footnote #26)***	60	LF	2.25	$ 135.00
285	#10 THWN Copper Wire Service (Installed in Conduit in Excess of 200' Base Length) ***(See Payitem Footnote #26)***	60	LF	3.50	$ 210.00
286	#8 THWN Copper Wire Service (Installed in Conduit in Excess of 200' Base Length) ***(See Payitem Footnote #26)***	60	LF	5.50	$ 330.00
287	#6 THWN Copper Wire Service (Installed in Conduit in Excess of 200' Base Length) ***(See Payitem Footnote #26)***	60	LF	6.50	$ 390.00

BID PROPOSAL

ANNUAL ROADWAY LANDSCAPING

CONTRACT

PBC PROJECT #2020053

ITEM #	ITEM DESCRIPTION	QTY	UNITS	UNIT PRICE	AMOUNT
288	#4 THWN Copper Wire Service (Installed in Conduit in Excess of 200' Base Length) ***(See Payitem Footnote #26)***	60	LF	5.00	$ 300.00
289	#3 THWN Copper Wire Service (Installed in Conduit in Excess of 200' Base Length) ***(See Payitem Footnote #26)***	60	LF	5.25	$ 315.00
290	#2 THWN Copper Wire Service (Installed in Conduit in Excess of 200' Base Length) ***(See Payitem Footnote #26)***	60	LF	7.00	$ 420.00
291	#1 THWN Copper Wire Service (Installed in Conduit in Excess of 200' Base Length) ***(See Payitem Footnote #26)***	60	LF	8.25	$ 495.00
292	#1/0 THWN Copper Wire Service (Installed in Conduit in Excess of 200' Base Length) ***(See Payitem Footnote #26)***	60	LF	10.00	$ 600.00
	Irrigation Well Construction:				
293	4" Open-End Well	2	EA	5,000.00	$ 10,000.00
294	6" Open-End Well	1	EA	8,000.00	$ 8,000.00
295	8" Open-End Well	1	EA	10,200.00	$ 10,200.00
296	Additional Well Depth in Excess of 100' Base Depth for 4" well	10	FT	50.00	$ 500.00
297	Additional Well Depth in Excess of 100' Base Depth for 6" well	10	FT	80.00	$ 800.00
298	Additional Well Depth in Excess of 100' Base Depth for 8" well	10	FT	102.00	$ 1,020.00
	Irrigation Well Refurbishment/Restoration				
299	4" Open-End Well ***(See Pay Item Footnote #27)***	2	EA	3,500.00	$ 7,000.00
300	6" Open-End Well ***(See Pay Item Footnote #27)***	1	EA	4,500.00	$ 4,500.00
301	Irrigation Well Abandonment - All Sizes, All Depths ***(See Pay Item Footnote #28)***	1	EA	2,500.00	$ 2,500.00
	Furnish and Install Irrigation Heads:				
302	6" Pop-up Sprayhead Including Flexible Pipe	65	EA	25.00	$ 1,625.00
303	12" Pop-up Sprayhead Including Flexible Pipe	65	EA	35.00	$ 2,275.00
304	12" Pop-up Sprayhead with Side inlet Body Including Flexible Pipe	65	EA	38.00	$ 2,470.00
305	Turf Rotor Including Swing Joint	65	EA	48.00	$ 3,120.00
306	Flood Bubbler Including Flexible Pipe	65	EA	18.00	$ 1,170.00
	Furnish and Install Isolation Valves:				
307	1" Gate Valve in Traffic Rated Valve Box (Tier 15)	2	EA	380.00	$ 760.00
308	1" Gate Valve in Existing Valve Box	2	EA	120.00	$ 240.00
309	1½" Gate Valve in Traffic Rated Valve Box (Tier 15)	2	EA	480.00	$ 960.00
310	1½" Gate Valve in Existing Valve Box	2	EA	220.00	$ 440.00
311	2" Gate Valve in Traffic Rated Valve Box (Tier 15)	2	EA	520.00	$ 1,040.00
312	2" Gate Valve in Existing Valve Box	2	EA	260.00	$ 520.00
313	2 ½" Gate Valve in Traffic Rated Valve Box (Tier 15)	2	EA	960.00	$ 1,920.00
314	2 ½" Gate Valve in Existing Valve Box	2	EA	700.00	$ 1,400.00
315	Furnish and Install 2" Air Relief Valve in Traffic Rated Valve Box (Tier 15)	2	EA	450.00	$ 900.00
316	Furnish and Install 3/4" Pressure Relief Valve	2	EA	150.00	$ 300.00
317	Furnish and Install 1" Pressure Relief Valve	2	EA	175.00	$ 350.00
	Furnish and Install Flow Sensors:				
318	1½" Sensor in Traffic Rated Valve Box (Tier 15)	2	EA	900.00	$ 1,800.00
319	1½" Sensor in Existing Valve Box	2	EA	700.00	$ 1,400.00
320	2" Sensor in Traffic Rated Valve Box (Tier 15)	2	EA	1,100.00	$ 2,200.00
321	2" Sensor in Existing Valve Box	2	EA	850.00	$ 1,700.00

BID PROPOSAL

ANNUAL ROADWAY LANDSCAPING

CONTRACT

PBC PROJECT #2020053

ITEM #	ITEM DESCRIPTION	QTY	UNITS	UNIT PRICE	AMOUNT
	Furnish and Install Zone Valves:				
322	1" Zone Valve with 1" Gate Valve, Including Valve Box and Piping - Complete ***(See Pay Item Footnote #29)***	2	EA	500.00	$ 1,000.00
323	1½" Zone Valve with 1½" Gate Valve, Including Valve Box and Piping - Complete ***(See Pay Item Footnote #29)***	2	EA	600.00	$ 1,200.00
324	2" Zone Valve with 2" Gate Valve, Including Valve Box and Piping - Complete ***(See Pay Item Footnote #29)***	2	EA	700.00	$ 1,400.00
325	2½" Zone Valve with 2½" Gate Valve, Including Valve Box and Piping - Complete **(See Pay Item Footnote #29)**	2	EA	700.00	$ 1,400.00
326	Brass Hose Bib on Control Valve	2	EA	100.00	$ 200.00
327	Control Wire (Direct Burial) Installed w/Main Line	4,000	LF	0.30	$ 1,200.00
328	Control Wire (Direct Burial) Buried in Its Own Conduit	2,500	LF	2.30	$ 5,750.00
329	Two-Wire Control Wire (Direct Burial) installed w/Main Line	2,500	LF	0.65	$ 1,625.00
330	Two-Wire Control Wire (Buried in Its Own Conduit)	2,500	LF	2.65	$ 6,625.00
331	Two-Wire Control Wire Decoder Unit w/ grounding units	10	EA	200.00	$ 2,000.00
	Furnish and Install Controller and Replacement Valve Boxes				
332	12 Station "Sentinel Field Satellite" Controller with Hydrometer	2	EA	9,620.00	$ 19,240.00
333	24 Station "Sentinel Field Satellite" Controller with Hydrometer	2	EA	10,530.00	$ 21,060.00
334	36 Station "Sentinel Field Satellite" Controller with Hydrometer	1	EA	12,180.00	$ 12,180.00
335	48 Station "Sentinel Field Satellite" Controller with Hydrometer	1	EA	14,100.00	$ 14,100.00
336	12 Station Sentinel Controller Expansion Module	2	EA	750.00	$ 1,500.00
337	Air Card	2	EA	1,275.00	$ 2,550.00
338	Communication Tower	2	EA	3,500.00	$ 7,000.00
339	4 Station Rainbird ESP	2	EA	200.00	$ 400.00
340	6 Station Rainbird ESP	1	EA	300.00	$ 300.00
341	8 Station Rainbird ESP	1	EA	400.00	$ 400.00
342	Surcharge For MOT in FDOT R/W	1	Day	750.00	$ 750.00
343	18" x 18" x 12" Fibercrete Valve Box w/Lid	1	EA	200.00	$ 200.00
344	18" x 24" x 12" Fibercrete Valve Box w/Lid	1	EA	320.00	$ 320.00
345	Tier 15 Traffic Rated Replacement Valve Box w/Lid	1	EA	260.00	$ 260.00
346	Tier 22 Traffic Rated Replacement Valve Box w/Lid	1	EA	320.00	$ 320.00
				TOTAL BID	**$ 2,224,813.75**

THE COUNTY DOES NOT GUARANTEE THE ACCURACY OF THE FORMULAS AND EXTENSIONS USED IN THIS SPREADSHEET.

THE ITEMS AND QUANTITIES ABOVE, SHALL GOVERN OVER THE PLANS.

PAY ITEM FOOTNOTES IN CONSTRUCTION PLANS SHALL ALSO BE INCLUDED IN ITEM UNIT PRICE.

Note #	PAY ITEM FOOTNOTES
1	All costs for **Maintenance of Traffic (MOT) and mobilization** shall be considered incidental to, and shall be included in, unit prices for the pay items.
2	All items shall include cost to furnish, install and guarantee unless otherwise noted.
3	Trunk caliper (diameter) is measured 6 inches from the ground on trees up to and including 4 inches in caliper, and 12 inches above the ground for larger trees. The caliper (diameter) of a palm tree is taken at the widest portion, measured between 1 and 3 feet from the soil line.
4	All B&B to be natural burlap; no synthetic fabric allowed,no nylon allowed, as per specifications.
5	C.T. (Clear Trunk) heights specify required minimum height of bottom of tree foliage (excluding palms) for clear sight & maintenance purposes, not the minimum height of first major branch (as per Florida Grades & Standards definition). As per this alternate definition of C.T., some branches without foliage may be allowed within the required 8.0' or 8.5' clear sight window as specified. No leaf foliage, including palm fronds, may encroach into a required clear sight window.

BID PROPOSAL

ANNUAL ROADWAY LANDSCAPING

CONTRACT

PBC PROJECT #2020053

ITEM #	ITEM DESCRIPTION	QTY	UNITS	UNIT PRICE	AMOUNT
Note #	**PAY ITEM FOOTNOTES**				
6	All trees & palms shall meet or exceed minimum requirements of "Florida Grade No. 1" as per the current Grades & Standards for Nursery Plants by the Florida Department of Agriculture & Consumer Services.				
7	No more than 2" of soil shall be above the top root of a rootball.				
8	The above plant counts are estimated quantities before the actual design of various pending road projects is completed. Previous typical projects have ranged from 10 to 350 trees.				
9	All costs associated with the performance of work under this contract including but not limited to all materials, labor, & equipment shall be included in the unit bid item cost for each tree.				
10	Tree and Palm Trimming items - Trim to Florida Grades and Standards and ANSI A300 Standards by or under the supervision of an Arborist certified by the International Society of Arboriculture. Shall include MOT and disposal.				
11	Tree, Palm, and Stump Removal Items - Includes stump extraction, disposal and filling of hole to finish grade with suitable fill.				
12	Relocation Items - include filling of holes to finish grade with suitable fill.				
13	The work for tree and palm removal shall include all costs associated with tree removal including MOT (if required), reduction of canopy, felling of trunk, stump removal, debris disposal and backfilling of hole with suitable material to provide a uniform grade.				
14	**Notes On Irrigation:**				
15	Items 203 through 209 - Contractor shall provide all boring logs, boring profiles, GPS per state planar and permits to the County.				
16	Items 210 through 221 - Schedule 80 fittings shall be used.				
17	Items 222 through 225 - Include all ductile iron fittings, thrust blocking, line guard tape and testing.				
18	Items 226 through 231 - Include all transition fittings and all apparatuses that are needed to complete the transition.				
19	Items 232 through 234 - Include all costs associated with plumbing codes compliance and installation of owner provided meter/hydrant as applicable.				
20	Items 235 through 239 and 249 through 253 - Include all costs associated with electrical connection (200' base length), furnish and install primary (with meter) and secondary (with station) fused disconnects, enclosure, intake screen, Hot Stop, pressure/air relief valve in approved valve box, flow meter in approved valve box, Ames Cla-Valve (if applicable), all permits and all items specified in item ISC 2.08 Pump Station and Footnote #32.. Base suction line shall be 200'. Note that the South Florida Water Management District General Water Use Permit will be provided to the Contractor. Irrigation Controller is not included. See Pay Item #340 throgh 349				
21	Items 240 through 248 and Items 254 through 262 - Include all costs associated with electrical connection (200' base length, "Inclusive of 60 L.F.of 4" Directional Bore for Electrical service, if required"),(Additional boring beyond 60 L.F. would be be Itemized as per Pay Item #298) furnish and install primary (with meter) and secondary (with station) fused disconnects, 6" Steel Cased well construction (100' base depth), (Any additional depth beyond base depth, if required, would be Itemized as per Pay Item #305), Hot Stop, pressure/air relief valve in approved valve box or strut mounted (as directed by the Engineer), Ames Cla-Valve, if applicable, flow meter in approved valve box, Ames Cla-Valve (if applicable), all permits and all items specified in item ISC 2.08 Pump Station, Footnote #32 and all permits. Note that the South Florida Water Management District General Water Use Permit will be provided to the Contractor. (Irrigation Controller is not included. See Pay Item #340 through 349).				
22	Items 263 through 267 - Furnish Only - Pump (Delivered) - Each complete unit shall be delivered to Streetscape Field Operations Office.				
23	Streetscape Field Operations Office 2555 Vista Parkway West Palm Beach, FL 33411 Phone: 561-233-3990				
24	Contractor will contact Streetscape Field Operations Office prior to delivery to coordinate delivery times and to confirm that staff will be available to receive the item(s).				
25	Items 278 through 283 - Grey PVC Conduit (Sch 40 and 80) is for conduit Only. Conductors are to be paid under THWN Copper Service.				
26	Items 284 through 292 - THWN Copper Wire Service (Installed in conduit in excess of 200' base length) is for four (4) conductors. Price does not include cost of the conduit. Conduit to be paid under Grey PVC Conduit.				
27	Items 299 through 300. The work for Well Refurbishment/Restoration shall include removal of concrete around the well head, removal of the pump station from the work area, removal of well liner pipe, installation of seat drive shoe with drill rig or installation of additional casing as required. Upon determination of satisfactory performance as specified in the Special Provisions (Section IWC - Irrigation Open End Well Construction Specifications), completion of the task shall include replacement of pump station, priming pump, patching concrete, flushing mainline and demonstrating satisfactory operation.				
28	Item 301 - The work for Well Abandonment shall include removal of the pump station from the work area and delivery to a local location specified by the County, sealing of the well head with concrete, removal of service and filing of necessary permits and reports with jurisdictional agencies with copies of all such documents supplied to the County.				
29	Items 322 through 325 - Shall include installation of a gate valve for maintenance isolation, sized to match the zone control valve, placed upstream at the time of installation of the zone valve in the same single valve box.				

BID PROPOSAL

ANNUAL ROADWAY LANDSCAPING

CONTRACT

PBC PROJECT #2020053

ITEM #	ITEM DESCRIPTION	QTY	UNITS	UNIT PRICE	AMOUNT
Note #	**PAY ITEM FOOTNOTES**				
30	All electrical service, fuses, motor feeder wire, conduit, etc., required for providing power to the pump station shall comply with the current editions of the National Electric Code, the Florida Building Code and the Palm Beach County Building Code, with all current addenda. Contractor shall be required to acquire all electrical permits and provide all required permit drawings.				
31	Notes On Pumps - both Furnish and Install and Furnish Only.				
32	Items 235 through 239 and 240 through 267 - All pumps shall include the following hardware:				
	2 - 2" galv. unions				
	2 - 2" 90° galv. elbows				
	1 - 2" galv. tee				
	1 - 3/4" galv. tee				
	1 - 3/4"x2" galv. nipple				
	2 - 2"x4" galv. nipple				
	2 - 2"x6" galv. nipple				
	1 - 2"x3/4" galv. Bushing				
	2 - 2"x1½" galv. Bushing				
	1 - 3/4" hose bib				
	1 - hot stop				
	1 - liquid filled pressure gauge, min. 150 psi rated				
	1 - 2" strataflow check valve				
	1 - pressure relief valve. Size shall be 1" (including 1 - 1"x2" galvanized tee) for 2 HP and 3 HP pumps and 1½" (including 1 - 1½"x2" galv. tee) for 5 HP pumps and larger				

PROPOSAL FORM

PROJECT NO. **2020053**

TOTAL BID
$2,224,813.75
IN FIGURES

The Contractor acknowledges that Addenda 1 thru 2 have been received and that related costs are reflected in the submitted bid. Contractor has committed to ***goal of*** 86.3***% SBE participation*** as set forth on the Schedule 1 and Schedule 2 that are completed and submitted by Contractor. Contractor shall comply with said goal if awarded the Contract.

The Contractor hereby certifies and agrees that the following information is correct: In preparing its response to the Solicitation, the Contractor has considered all proposals submitted from qualified, potential Subcontractors and suppliers, and has not engaged in "discrimination" as defined in the County's Commercial Nondiscrimination Policy as set forth in Resolution 2017-1770 as amended, to wit: discrimination in the solicitation, selection or commercial treatment of any Subcontractor, vendor, supplier or commercial customer on the basis of race, color, national origin, religion, ancestry, sex, age, marital status, familial status, sexual orientation, gender identity or expression, disability, or genetic information, or on the basis of any otherwise unlawful use of characteristics regarding the vendor's, supplier's or commercial customer's employees or owners; provided that nothing in this policy shall be construed to prohibit or limit otherwise lawful efforts to remedy the effects of discrimination that have occurred or are occurring in the County's relevant marketplace of Palm Beach County. Without limiting the foregoing, "discrimination" also includes retaliating against any person or other entity for reporting any incident of "discrimination." Without limiting any other provision of the solicitation, it is understood and agreed that, if this certification is false, such false certification will constitute grounds for the County to reject the proposal submitted by the Contractor for this Solicitation, and to terminate any contract awarded based on the response. As part of its proposal, the Contractor shall provide to the County a list of all instances within the immediate past four (4) years where there has been a final adjudicated determination in a legal or administrative proceeding in the State of Florida that the Contractor discriminated against its Subcontractors, vendors, suppliers or commercial customers, and a description of the status or resolution of that complaint, including any remedial action taken. As a condition of submitting a proposal to the County, the Contractor agrees to comply with the County's Commercial Nondiscrimination Policy as described in Resolution 2017-1770, as amended.

The Contractor further agrees to perform all necessary force account Work, as provided for in the General Provisions, and to execute the Contract and return to the County, along with a Contract Bond and Certificate of Insurance within fourteen (14) Working Days of the date of the Letter of Intent to Award and to commence Work with adequate forces and Equipment within fourteen (14) Calendar Days of the date set forth in the Notice to Proceed and to fully complete all contracted Work under the same in accordance with Contract Documents within the Contract Time.

PROPOSAL FORM

THE TIMELY COMPLETION OF THIS PROJECT IS CRITICAL TO THE HEALTH, SAFETY AND WELFARE OF THE TRAVELING PUBLIC. It is the desire of Palm Beach County to expedite the construction and opening to traffic of the project. The Contractor shall be required to work such hours, weekends and/or Holidays to meet the required Contract schedules.

The Contractor shall complete in full all necessary Work under this Contract in accordance with the Special Provisions. It is further agreed that should the Contractor fail to complete all necessary Work under this Contract within the above referenced time; then, due to the criticalness of the timely completion of this project, liquidated damages for failure to meet these provisions shall be in accordance with Section 8 of the Standard Specifications.

The Contractor further agrees to furnish a sufficient and satisfactory Bond, on the form herein provided, in accordance with Section 3 of the General Provisions.

The Contractor further agrees to bear the full cost of maintaining all Work until the final acceptance, as provided in the Contract Documents.

Accompanying this Proposal is a Proposal Guaranty (Bid Bond) made payable to Palm Beach County, a Political Subdivision of the State of Florida, in the sum of 5% of amount Bid which is to be forfeited as liquidated damages if, in case this Proposal is accepted, the undersigned should fail to execute the attached Contract under the conditions of this Proposal. Otherwise, the Bid Bond is to be returned to the Contractor upon the delivery of a satisfactory Contract Bond.

Company Name: A Cut Above Landscape & Maintenance, Inc. Authorized Officer: Damon Rockett
(Print)

Address: 1686 D Road
Loxahatchee, Fl 33470

Signature: _____

PROPOSAL FORM

CONTRACTOR CERTIFICATION

PALM BEACH COUNTY

ENGINEERING AND PUBLIC WORKS DEPARTMENT

NPDES GENERAL PERMIT FOR STORM WATER DISCHARGES

FROM

ROADWAY CONSTRUCTION SITES

ANNUAL ROADWAY LANDSCAPING CONTRACT

PALM BEACH COUNTY PROJECT NO. 2020053

"I certify under penalty of law that I understand the terms and conditions of the general National Pollutant Discharge Elimination System (NPDES) permit that authorizes the storm water discharges associated with industrial activity from the construction site identified as part of this certification."

Name of Contracting Firm: A Cut Above Landscape & Maintenance, Inc.

By: _____ Date: 03-02-2020

Name and Title: Damon Rocket- President

Address or P.O. Box: 1686 D Road

Loxahatchee	Florida	33470
City	State	Zip Code

Telephone: 561 795-1995

Area Code Number

PALM BEACH COUNTY LOCAL PREFERENCE ORDINANCE

In accordance with the Palm Beach County Local Preference Ordinance, a preference will be given to (1) Bidders having a permanent place of business in Palm Beach County; (2) Bidders having a permanent place of business in the Glades that are able to provide the goods or services within the Glades.

1. Local Preference means that if the lowest responsive, responsible Bidder is a non-local business, then all Bids received from responsive, responsible local Bidders are decreased by 5%. The original Bid amount is not changed; the 5% decrease is calculated only for the purposes of determining local preference.

2. Glades Local Preference means that if the lowest responsive, responsible Bidder is a non-Glades business, then all Bids received from responsive, responsible Glades Bidders are decreased by 5%. The original Bid amount is not changed; the 5% decrease is calculated only for the purposes of determining local preference. A Bidder who is a local business but not a Glades business and who utilizes Glades subcontractor(s) for a minimum of 15% of the total Bid price, may receive a local preference of three (3) percent, solely for the purpose of determining Bid award. If the Local business utilizes Glades subcontractor(s) for a minimum of 30% of the total Bid price, he may receive a local preference of four (4) percent for the purposes of ranking Bidders.

To receive either a Local Preference or a Glades Local Preference, a Bidder must have a permanent place of business in existence prior to the County's issuance of this Invitation for Bid. A Business Tax Receipt issued by the Palm Beach County Tax Collector is required, unless specifically exempted by law, and will be used to verify the Bidders' permanent place of business. A permanent place of business means that the Bidder's headquarters is located in Palm Beach County or in the Glades, as applicable; or the Bidder has a permanent office or other site in Palm Beach County or in the Glades, as applicable; where the Bidder will produce a substantial portion of the goods or services to be purchased. The Bidder must submit the attached Certification of Business Location at the time of Bid submission. Failure to submit this information will cause the Bidder to not receive a local preference. Palm Beach County may require a Bidder to provide additional information for clarification purposes at any time prior to the award of the Contract.

In procurements where price is the only factor for selection, the above provisions shall not be applied where the application would result in an award which exceeds the otherwise lowest, responsive Bidder by one hundred thousand dollars ($100,000).

The local Bidder may not receive more than one preference. The Glades Local Preference prevails over the Local Preference and the SBE Preference prevails over both the Local and Glades Local Preferences.

CERTIFICATION OF BUSINESS LOCATION

In accordance with the Palm Beach County Local Preference Ordinance, as amended, a preference will be given to: (1) those Bidders having a permanent place of business in Palm Beach County (County); and (2) those Bidders having a permanent place of business in the Glades providing goods or services to be utilized in the Glades. To receive a local preference, an interested Bidder must have a permanent place of business in the County or in the Glades, as applicable, prior to the County's issuance of an invitation for Bid. A Business Tax Receipt issued by the Palm Beach County Tax Collector is required, unless specifically exempted by law, and will be used to verify the Bidders' permanent place of business. The Bidder must submit this Certification of Business Location at the time of Bid submission. This Certification of Business Location is the sole determinant of local preference eligibility. Errors in the completion of this Certification or failure to submit this completed Certification will cause the Bidder to not receive a local preference. Please note that in order to receive a local preference, the name and address on the Business Tax Receipt must be the same name and address that is included in the Bid or Proposal submitted by the Bidder to the County.

1) Bidder is a:

__X__ **Local Business** (A local business has a permanent place of business in Palm Beach County**)

(Please indicate):
__X__ Headquarters located in Palm Beach County.
_____ Permanent office or other site located in Palm Beach County from which a vendor will produce a substantial portion of the goods or services to be purchased.

_____ **Glades Business** (a Glades business has a permanent place of business in the Glades**)

(Please indicate):
_____ Headquarters located in the Glades.
_____ Permanent office or other site located in the Glades from which a vendor will produce a substantial portion of the goods or services to be purchased.

_____ **Regional Business** (A regional business is one that has a permanent place of business in Martin, Broward, or Miami Dade County.)

****A post office box or location at a postal service center is not acceptable.**

2) The attached copy of the Bidder's Palm Beach County Business Tax Receipt verifies the Bidder's permanent place of business.

THIS CERTIFICATION is submitted by Damon Rockett
(Name of Individual)

President (Title/Position), of A Cut Above Landscape & Maintenance, Inc. (Firm Name of Bidder/Proposer)

who hereby certifies that the information stated above is true and correct, and that the Bidder has a permanent place of business in Palm Beach County. Further it is hereby acknowledged that any misrepresentation by the Bidder on this Certification will be considered an unethical business practice and be grounds for sanctions against future County business with the Bidder.

Signature

03-02-2020
Date

ANNE M. GANNON
CONSTITUTIONAL TAX COLLECTOR
Serving Palm Beach County
Serving *you.*

P.O. Box 3353, West Palm Beach, FL 33402-3353
www.pbctax.com Tel: (561) 355-2264

****LOCATED AT****
14095 43RD RD
LOXAHATCHEE, FL 33470-4607

TYPE OF BUSINESS	OWNER	CERTIFICATION #	RECEIPT #/DATE PAID	AMT PAID	BILL #
56-0027 LANDSCAPING	ROCKETT DAMON C		B19.571091 - 08/13/19	$33.00	B40138742

This document is valid only when receipted by the Tax Collector's Office.

STATE OF FLORIDA
PALM BEACH COUNTY
2019/2020 LOCAL BUSINESS TAX RECEIPT

B1 - 852
A CUT ABOVE LANDSCAPE AND MAINTENANCE INC
A CUT ABOVE LANDSCAPE AND MAINTENANCE INC
1686 D RD
LOXAHATCHEE, FL 33470

LBTR Number: 199604540
EXPIRES: SEPTEMBER 30, 2020

This receipt grants the privilege of engaging in or managing any business profession or occupation within its jurisdiction and MUST be conspicuously displayed at the place of business and in such a manner as to be open to the view of the public.

ANNE M. GANNON
CONSTITUTIONAL TAX COLLECTOR
Serving Palm Beach County
Serving *you.*

P.O. Box 3353, West Palm Beach, FL 33402-3353
www.pbctax.com Tel: (561) 355-2264

****LOCATED AT****
14095 43RD RD
LOXAHATCHEE, FL 33470-4607

TYPE OF BUSINESS	OWNER	CERTIFICATION #	RECEIPT #/DATE PAID	AMT PAID	BILL #
23-0157 CERTIFIED SPECIALTY CONTR	TYSON BRIAN M	SCC131152097	B19.571281 - 08/13/19	$99.00	B40181377

This document is valid only when receipted by the Tax Collector's Office.

STATE OF FLORIDA
PALM BEACH COUNTY
2019/2020 LOCAL BUSINESS TAX RECEIPT

B2 - 525

A CUT ABOVE LANDSCAPE AND MAINTENANCE INC
A CUT ABOVE LANDSCAPE AND MAINTENANCE INC
1686 D RD
LOXAHATCHEE, FL 33470

LBTR Number: 2019113314
EXPIRES: SEPTEMBER 30, 2020

This receipt grants the privilege of engaging in or managing any business profession or occupation within its jurisdiction and MUST be conspicuously displayed at the place of business and in such a manner as to be open to the view of the public.

PALM BEACH COUNTY
LIVING WAGE ORDINANCE

(PBC Ordinance No. 2003-004, as amended by PBC Ordinance No. 2004-002) (a.k.a., Palm Beach County Living Wage Ordinance, hereinafter Ordinance)

Implementation
This information shall serve to notify the Contractor of the Ordinance's implementation requirements as referenced in Section 4 of the Ordinance, as stated below and on the LW pages of this specification. A copy of the Ordinance is available for pickup at the Engineering & Public Works Department (Roadway Production Division).

The costs for implementing these requirements shall be incidental to the cost of the project.

Procurement Specifications
The Ordinance states that the living wage requirement shall be included in the procurement Specifications for all county construction contracts that have a total Contract value exceeding $100,000, and that is not subject to the Davis-Bacon Act or any related act or acts, as amended, that require the payment of Davis-Bacon Act wage rates.

The Ordinance also requires that the prospective non-county employer agree to produce, upon the request of the Construction Coordination Division, or as otherwise provided by the County Administrator through countywide policy, all documents and payroll records required under this Ordinance.

Maintenance of Payroll Records
Each non-county employer shall maintain payroll records and basic records relating thereto for each employee, and shall preserve them for a period of four (4) years, after Project completion date, or such longer time as may be required in other provisions of this Contract. The records shall contain:

(1) Each employee's name and address;
(2) Each employee's job title and classification;
(3) The number of hours worked each day by each employee;
(4) The gross wages and deductions made for each employee; and
(5) Annual wages paid to each employee.

Reporting Payroll
Every six (6) months the non-county employer shall certify and file with the Construction Coordination Division if the non-county employer is a general Contractor, or with the general Contractor if the non-county employer is a subcontractor, certification that all non-county employees who worked on each construction Contract during the preceding six (6) month period were paid the living wage in compliance with this Ordinance. Upon the County's request, the non-county employer shall produce for inspection and copying the payroll records for any or all of its employees for the prior four (4) year period, or such longer time as may be required in other provisions of this Contract.

LIVING WAGE CERTIFICATION

Project: Annual Roadway Landscaping Contract

Contractor Name: A Cut Above Landscape & Maintenance, Inc.

Contact Person: Eneyda Gomez

Contractor Address: 1686 D Road
Loxahatchee, Fl 33470

Contractor Phone: 561-795-1995

Amount of Contract: $1,000,000

Please include the following with the Bid submission:

1. Brief description of the service provided under the construction Contract.

2. A statement of wage levels for prospective non-county employees.

3. A commitment to pay each non-county employee the living wage, as adjusted, in accordance with the Palm Beach County Living Wage Ordinance. According to Section 3(B)(2), of the Palm Beach County Living Wage Ordinance, the living wage must be adjusted annually for inflation, and this adjustment must take effect each October 1st. (See Palm Beach County Code Section 2-149(b)(2).)

The living wage for October 1, 2019, through September 30, 2020, is $12.62/hour.

The Contractor/subcontractor(s) shall post a copy of the following Notice to Employees (LW-3) at the Work site in a prominent place where it can easily be seen by the employees, or provide a copy with the employee's first paycheck and at least every six (6) months thereafter.

The undersigned hereby certifies that the above and attached information is true and correct.

IN WITNESS THEREOF, the undersigned has set his hand and affixed the Corporate Seal this 2nd day of March, 20 20.

(Authorized Signature)

(Corporate Seal)

Damon Rockett- President
(Print Name and Title)

LIVING WAGE ORDINANCE AND CERTIFICATIONS

Notice and Posting

Non-county employers shall post a copy of the following statement at the Work site in a prominent place where it can easily be seen by the employees: "NOTICE TO EMPLOYEES: If you are employed to provide certain services to Palm Beach County, your employer may be required by Palm Beach County law to pay you at least **$12.62** per hour. If you are not paid this hourly rate, contact your supervisor or a lawyer." The following statement shall be printed in English, Spanish, and Creole, and shall be printed with black lettering on letter-size, white paper using a Times New Roman 14-point font, Courier New 14-point font, or Arial 14-point font. Posting requirement will not be required if the non-county employer attaches a copy of the following statement to the employee's first paycheck, and to subsequent paychecks at least every six (6) months thereafter. Non-county employers shall supply a copy of the following statement to any employee upon request within a reasonable time. Non-county employers shall forward a copy of the requirements of this ordinance to any person or business submitting a Bid for a subcontract on any Contract covered by this ordinance.

This notice is provided pursuant to the Palm Beach County Living Wage Ordinance, Section 3 (E), (as amended through January 2004), and reflects the adjusted living wage effective October 1, 2019, through September 30, 2020.

NOTICE TO EMPLOYEES (ENGLISH)

If you are employed to provide certain services to Palm Beach County, your employer may be required by Palm Beach County law to pay you at least $12.62 per hour. If you are not paid this hourly rate, contact your supervisor or Palm Beach County.

NOTIFICACIÓN A PATRONES (ESPAÑOL)

Si usted tiene un empleo por el cual provee ciertos servicios al Condado de Palm Beach, el Condado de Palm Beach puede requerir de su patrón que le pague a usted por lo menos $12.62 por hora. Si a usted no se le paga esta cantidad por hora, póngase en contacto con su supervisor o el Condado de Palm Beach.

AVI POU ENPLWAYE-YO (CREOLE)

Si ke ou enplwaye pou bay kek sévis pou Komin-n Palm Beach-la, Dapré la Lwa, Bos travay-la sipoze peye-w o mwen $12.62 pa lé. Si yo pa peye-w valé sa-a, se pou-w kontakte sipévize-w la o byen Komin-n Palm Beach-la.

(Authorized Signature)

Damon Rockett- President
(Print Name and Title)

CERTIFICATION OF COMPLIANCE WITH THE LIVING WAGE ORDINANCE

The Ordinance states: "Every six (6) months the non-county employer shall certify and file with the Construction Coordination Division if the non-county employer is a general Contractor, or with the general Contractor if the non-county employer is a subcontractor, certification that all non-county employees who worked on each construction Contract during the preceding six (6) month period were paid the living wage in compliance with the Living Wage Ordinance. Upon the County's request, the non-county employer shall produce for inspection and copying the payroll records for any or all of its employees for the prior three (3) year period."

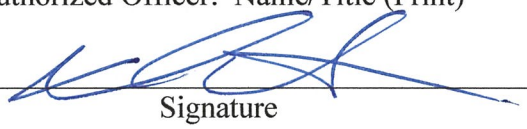
The County further requires that the Contractor submit this certification statement with each pay application, including the final, on company letterhead.

The undersigned authorized person hereby certifies that the above requirements are adhered to and that payroll records are being maintained in accordance with the requirements of LW-1 "Maintenance of Payroll Records".

03-02-2020
Date

A Cut Above Landscape & Maintenance, Inc.
Company Name (Print)

Damon Rockett- President
Authorized Officer: Name/Title (Print)


Signature

SCRUTINIZED COMPANIES

As provided in F.S. 287.135, by entering into this Contract or performing any Work in furtherance hereof, the CONTRACTOR certifies that it, its affiliates, suppliers, subcontractors and consultants who will perform hereunder, have not been placed on the Scrutinized Companies that boycott Israel List, or is engaged in a boycott of Israel, pursuant to F.S. 215.4725. Pursuant to F.S. 287.135(3)(b), if CONTRACTOR is found to have been placed on the Scrutinized Companies that Boycott Israel List or is engaged in a boycott of Israel, this Contract may be terminated at the option of the COUNTY.

When Contract value is greater than $1 million: As provided in F.S. 287.135, by entering into this Contract or performing any Work in furtherance hereof, the CONTRACTOR certifies that it, its affiliates, suppliers, subcontractors and consultants who will perform hereunder, have not been placed on the Scrutinized Companies With Activities in Sudan List or Scrutinized Companies With Activities in The Iran Petroleum Energy Sector List created pursuant to F.S. 215.473 or is engaged in business operations in Cuba or Syria.

If the County determines, using credible information available to the public, that a false certification has been submitted by CONTRACTOR, this Contract may be terminated and a civil penalty equal to the greater of $2 million or twice the amount of this Contract shall be imposed, pursuant to F.S. 287.135. Said certification must also be submitted at the time of Contract renewal, if applicable.

The undersigned authorized person hereby has read and certifies that the above is adhered to.

03-02-2020
Date

A Cut Above Landscape & Maintenance, Inc.
Company Name (Print)

Damon Rockett- President
Authorized Officer: Name/Title (Print)

Signature

BID BOND

STATE OF FLORIDA)

) ss.

COUNTY OF PALM BEACH)

KNOW ALL MEN BY THESE PRESENTS: That we, A Cut Above Landscape & Maintenance, Inc. ("Principal"), and Philadelphia Indemnity Insurance Company as Surety ("Surety") are held and firmly bound unto Palm Beach County, a Political Subdivision of the State of Florida, ("County") in the amount of Five (5%) percent of bid, lawful money of the United States of America, for the payment of which sum will and truly to be made, we bind ourselves, our heirs, executors, administrators and successors, jointly and severally, firmly by these presents;

WHEREAS, the Principal contemplates submitting or has submitted a bid to the Board of County Commissioners, Palm Beach County, Florida, for furnishing and paying for all necessary labor Materials, Equipment, machinery, tools, apparatus, services, all State Workers' Compensation and unemployment compensation taxes incurred in the performance of the Contract, means of transportation for and complete Construction of:
ANNUAL ROADWAY LANDSCAPING CONTRACT, PROJECT NO. 2020053, in the County of Palm Beach, State of Florida; and

WHEREAS, it was a condition precedent to the submission of said bid that a cashier's check or bid bond in the amount of five percent (5%) of the total bid amount be submitted with said bid as a guarantee that the Bidder would, if given a letter of Intent to Award the Contract, enter into a written contract with the County, and furnish a Public Construction Bond in an amount equal to one hundred per cent (100%) of the total contract, within fourteen (14) consecutive business days of the date of the letter of the Intent to Award Contract.

BID BOND

NOW, THEREFORE, THE CONDITIONS OF THIS OBLIGATION ARE SUCH, that, if the bid of the Principal be accepted and Principal, within fourteen (14) consecutive business days after the date of the Letter of Intent to Award, the letter being written notice of such acceptance, enter into a written contract with Palm Beach County, a Political Subdivision of the State of Florida, and furnish a Certificate of Insurance, and a Public Construction Bond in the form included in the Bid Documents and in an amount equal to One Hundred Per Cent (100%) of the total contract amount satisfactory, to Palm Beach County, a Political Subdivision of the State of Florida, then this obligation shall be void, otherwise the sum herein stated shall be due and payable to the County, and the Surety agrees to pay said sum immediately upon demand of the County, in good and lawful money of the United States of America, as liquidated damages for failure of the Principal.

IN WITNESS WHEREOF, A Cut Above Landscape & Maintenance, Inc. as Principal herein, has caused these presents to be signed in its name, by its president, and attested by its Witness, under its corporate seal, and Philadelphia Indemnity Insurance Company as Surety herein, has caused these presents to be signed in its name, by its Attorney-in-Fact, under its corporate seal, this 3rd day of March, A.D., 20 20.

ATTEST:

Eneyda Gomez
(Signature)

Eneyda Gomez
(Print Name)

Witness
(Title)

A Cut Above Landscape & Maintenance, Inc.
(Seal)

By: _____
(Principal)

ATTEST:

Rita Lazarides
(Signature)

Rita Lazarides
(Print Name)

Witness
(Title)

Philadelphia Indemnity Insurance Company
(Seal)

By: _____
Brett Rosenhaus (Surety) Attorney-in-Fact

PHILADELPHIA INDEMNITY INSURANCE COMPANY
One Bala Plaza, Suite 100
Bala Cynwyd, PA 19004-0950

Power of Attorney

KNOW ALL PERSONS BY THESE PRESENTS: That **PHILADELPHIA INDEMNITY INSURANCE COMPANY** (the Company), a corporation organized and existing under the laws of the Commonwealth of Pennsylvania, does hereby constitute and appoint **Brett Rosenhaus, Richard Zimmerman and Dale Allison Belis of Nielson,Rosenhaus & Associates**, its true and lawful Attorney-in-fact with full authority to execute on its behalf bonds, undertakings, recognizances and other contracts of indemnity and writings obligatory in the nature thereof, issued in the course of its business and to bind the Company thereby, in an amount not to exceed **$50,000,000**.

This Power of Attorney is granted and is signed and sealed by facsimile under and by the authority of the following Resolution adopted by the Board of Directors of PHILADELPHIA INDEMNITY INSURANCE COMPANY on the 14th of November, 2016.

RESOLVED: That the Board of Directors hereby authorizes the President or any Vice President of the Company: (1) Appoint Attorney(s) in Fact and authorize the Attorney(s) in Fact to execute on behalf of the Company bonds and undertakings, contracts of indemnity and other writings obligatory in the nature thereof and to attach the seal of the Company thereto; and (2) to remove, at any time, any such Attorney-in-Fact and revoke the authority given. And, be it

FURTHER RESOLVED: That the signatures of such officers and the seal of the Company may be affixed to any such Power of Attorney or certificate relating thereto by facsimile, and any such Power of Attorney so executed and certified by facsimile signatures and facsimile seal shall be valid and binding upon the Company in the future with respect to any bond or undertaking to which it is attached.

IN TESTIMONY WHEREOF, PHILADELPHIA INDEMNITY INSURANCE COMPANY HAS CAUSED THIS INSTRUMENT TO BE SIGNED AND ITS CORPORATE SEALTO BE AFFIXED BY ITS AUTHORIZED OFFICE THIS 27TH DAY OF OCTOBER, 2017.

(Seal)

Robert D. O'Leary Jr., President & CEO
Philadelphia Indemnity Insurance Company

On this 27th day of October, 2017, before me came the individual who executed the preceding instrument, to me personally known, and being by me duly sworn said that he is the therein described and authorized officer of the **PHILADELPHIA INDEMNITY INSURANCE COMPANY**; that the seal affixed to said instrument is the Corporate seal of said Company; that the said Corporate Seal and his signature were duly affixed.

COMMONWEALTH OF PENNSYLVANIA
NOTARIAL SEAL
Morgan Knapp, Notary Public
Lower Merion Twp., Montgomery County
My Commission Expires Sept. 25, 2021
MEMBER, PENNSYLVANIA ASSOCIATION OF NOTARIES

(Notary Seal)

Notary Public: Morgan Knapp

residing at: Bala Cynwyd, PA

My commission expires: September 25, 2021

I, Edward Sayago, Corporate Secretary of PHILADELPHIA INDEMNITY INSURANCE COMPANY, do hereby certify that the foregoing resolution of the Board of Directors and the Power of Attorney issued pursuant thereto on the 27th day of October, 2017 are true and correct and are still in full force and effect. I do further certify that Robert D. O'Leary Jr., who executed the Power of Attorney as President, was on the date of execution of the attached Power of Attorney the duly elected President of PHILADELPHIA INDEMNITY INSURANCE COMPANY.

In Testimony Whereof I have subscribed my name and affixed the facsimile seal of each Company this 3rd day of March, 20 20.

Edward Sayago, Corporate Secretary
PHILADELPHIA INDEMNITY INSURANCE COMPANY

CERTIFICATE OF RESOLUTION

The undersigned hereby certifies that the following are true and correct statements:

1. That the undersigned is the President *(insert title)* of A Cut Above Landscape & Maintenance, Inc. *(insert business name)* a Corporation *(insert business organization, i.e. corporation, LLC, LLP)*, organized and existing in good standing under the laws of the State of Florida ("Firm"), and that the following Resolutions are true and correct Resolutions adopted by the President *(insert form of management)* of the Firm on the day of February 12, 20 20, in accordance with the laws of the State of Florida *(where Firm is organized)* of the Firm, and Articles of Incorporation *(governing documents)* of the Firm.

RESOLVED, that the Firm shall enter into that certain Agreement between Palm Beach County, a political subdivision of the State of Florida, and the Firm, a copy of which is attached hereto, and be it

FURTHER RESOLVED, that Damon Rockett, the President of the Firm, is hereby authorized and instructed to execute such Agreement and such other instruments as may be necessary and appropriate for the Firm to fulfill its obligations under the Agreement.

2. That the foregoing Resolutions have not been modified, amended, rescinded, revoked or otherwise changed and remain in full force and effect as of the date hereof.

3. That the Firm is in good standing under the laws of the State of Florida or its state of formation, as provided above, and has qualified, if legally required, to do business in the State of Florida and has the full power and authority to enter into such Agreement.

IN WITNESS WHEREOF, the undersigned has set his/her hand and affixed the Seal of the Firm the day of Feb 12, 20 20.

Signature

(SEAL) Damon Rockett - President
Print Name and Title

STATE OF Florida
COUNTY OF Palm Beach

The foregoing instrument was acknowledged before me by means of ☑ physical presence or ☐ online notarization, this 12th day of February, 20 20, by Damon Rockett *(name)* as President *(title)* for A Cut Above Landscape & Maintenance, Inc. *(firm)*, on behalf of the *(choose one)* corporation / company / partnership, who is ☑ personally known to me or has produced _____ (type of identification) as identification.

Notary Signature

Notary Public, State of Florida

(Stamp/Seal)

SUNNIE HUFFMAN
Notary Public - State of Florida
Commission # GG 936151
My Comm. Expires Jan 24, 2024
Bonded through National Notary Assn.

Print Notary Name

Commission Number GG 936151

My Commission Expires 1/24/24

CONTRACT

STATE OF FLORIDA)

) ss.

R2020 0749

COUNTY OF PALM BEACH)

This Contract, made this ____ day of JUL 0 7 2020, A.D. 20___, by and between PALM BEACH COUNTY, a Political Subdivision of the State of Florida, by and through its Board of County Commissioners (hereinafter "County"), and A Cut Above Landscape & Maintenance, Inc., Florida,and its heirs, executors, administrators and assigns, (hereinafter "Contractor"):

WITNESSETH: The Contractor agrees with the County, for the consideration herein mentioned at its own proper cost and expense to do all the Work and furnish all necessary labor, Materials, Equipment, machinery, tools, apparatus, services, state Workers' Compensation and unemployment compensation taxes incurred in the performance of the Contract, and means of transportation for the complete construction of:

PROJECT NAME: **ANNUAL ROADWAY LANDSCAPING CONTRACT**

PROJECT NO.: **2020053**

IN THE AMOUNTS specified in Work Orders which may be issued by the County. The County is not required to issue any Work Orders hereunder. The total value of Work Orders issued under this Contract shall not exceed **One Million Dollars ($1,000,000.00)**, except as may be increased according to Section 9-11 of the Contract Specifications.

The Contractor further agrees for the consideration herein mentioned to commence Work with adequate forces and Equipment within five (5) Working Days of the Work Order being issued for a specific project and to fully complete all contracted Word under the same in accordance with Contract Documents. After commencement of the Work, the Work Order shall be properly dispatched toward completion, to the satisfaction of the Engineer, and shall be fully complete within the time limit specified in the Work Order. Should the time limit for completion of the Work Order exceed the expiration date of the Contract, the Work Order Work will continue to completion and the Contractor shall ensure that Bonding and Insurance coverage do not expire until all Work Orders issued prior to the expiration of this Contract are complete and accepted. It is understood and agreed that the time limit for completion of said Work is the essence of the Contract. If Contractor fails to complete the Work within the time limit, it is agreed that for such Calendar Day that any Work provided for in these Contract Documents remain incomplete after the time limit has expired, including any official extension of the time limit, the sum per day given in the contained schedules shall be deducted from monies due the Contractor, not as a penalty, but as liquidated damages and added expense for supervision.

CONTRACT

The Contractor shall take into account all contingent Work which has to be done by other parties arising from any cause whatsoever, and shall not plead its want of knowledge of such contingent Work as an excuse for Delay in a Contractor's Work, or for its non-performance.

IN WITNESS WHEREOF, the Parties have caused this Contract for Annual Roadway Landscaping Contract, Project No. 2020053 to be executed and sealed the day and year first written above.

ATTEST:

R2020 0749 JUL 07 2020

SHARON R. BOCK,
Clerk & Comptroller

PALM BEACH COUNTY, FLORIDA, a
Political Subdivision of the
State of Florida

BOARD OF COUNTY COMMISSIONERS

By: _____
Deputy Clerk

By: _____
Dave Kerner, Mayor

APPROVED AS TO FORM
AND LEGAL SUFFICIENCY

APPROVED AS TO TERMS
AND CONDITIONS

_____
(witness signature)

A Cut Above Landscape & Maintenance, Inc.
(Corporate Name)

Sunnie Huffman
(witness name printed)

a Florida corporation
(insert state of incorporation)

_____
(witness signature)

By: _____
(signature)

Monique Culpepper
(witness name printed)

Damon Rockett
(print signatory's name)

Its President
(print title)

4/21/2020
(date)

(Corporate Seal)

PUBLIC CONSTRUCTION BOND

BOND NUMBER: PB12270900261

BOND AMOUNT: $1,000,000.00

CONTRACT AMOUNT: $1,000,000.00

CONTRACTOR'S NAME: A Cut Above Landscape & Maintenance, Inc.

CONTRACTOR'S ADDRESS: 1686 D Road
Loxahatchee, FL 33470

CONTRACTOR'S PHONE: (561) 795-1995

SURETY COMPANY: Philadelphia Indemnity Insurance Company

SURETY ADDRESS: One Bala Plaza East, Suite 100
Bala Cynwyd, PA 19004

SURETY PHONE: (610) 206-7836

OWNER'S NAME: Palm Beach County

OWNER'S ADDRESS: 2300 North Jog Road, Suite 3W-33
West Palm Beach, FL 33411-2745

OWNER'S PHONE: 561-684-4150

PROJECT NO.: 2020053

DESCRIPTION OF WORK: Landscaping, Irrigation, Earthwork

PROJECT LOCATION: Countywide

LEGAL DESCRIPTION: No legal description is available. The best description available is as indicated on the Project Location above.

PUBLIC CONSTRUCTION BOND

This Bond is issued in favor of the County conditioned on the full and faithful performance of the Contract.

KNOW ALL MEN BY THESE PRESENTS: that Contractor (Principal) and Surety, are held and firmly bound unto:

Palm Beach County Board of County Commissioners
301 N. Olive Avenue
West Palm Beach, Florida 33401

As Obligee, herein called County, for the use and benefit of claimant as herein below defined, in the amount of:

$ 1,000,000.00 (One Million and 00/100 Dollars)

for the payment whereof Principal and Surety bind themselves, their heirs, personal representatives, executors, administrators, successors and assigns, jointly and severally, firmly by these presents.

WHEREAS, Principal has by written agreement dated_____, 20____, entered into a Contract with the County for:

Project Name:	Annual Roadway Landscaping Contract
Project No.:	2020053
Project Description:	See Page PCB-1
Project Location:	See Page PCB-1

in accordance with Design Criteria Drawings and Specifications prepared by:

Name of Engineering/Architectural Firm:	TBD
Location of Firm:	TBD
Phone:	TBD
Fax :	TBD

which Contract is by reference made a part hereof in its entirety, and is hereinafter referred to as the Contract.

THE CONDITION OF THIS BOND is that if Principal:

1. Performs the Contract dated _____ between Principal and County for the construction of the project as described above, the Contract being made part of this bond by reference, at the times and in the manner prescribed in the Contract; and

2. Promptly makes payments to all claimants, as defined in Section 255.05, Florida Statutes, supplying Principal with labor, Materials, or supplies, used directly or indirectly by Principal in the prosecution of the Work provided for in the Contract; and

3. Pays County all losses, damages (including liquidated damages), expenses, costs, and attorney's fees, including appellate proceedings, that County sustains because of a default by Principal under the Contract; and

4. Performs the guarantee of all Work and Materials furnished under the Contract for the time specified in the Contract, then this bond is void; otherwise it remains in full force.

PUBLIC CONSTRUCTION BOND

5. Any changes in or under the Contract Documents and compliance or noncompliance with any formalities connected with the Contract or the changes does not affect Surety's obligation under this bond and Surety waives notice of such changes.

6. The amount of this bond shall be reduced by and to the extent of any payment or payments made in good faith hereunder, inclusive of the payment by Surety of construction liens which may be filed of record against said improvement, whether or not Claim for the amount of such lien be presented under and against the bond.

7. Principal and Surety expressly acknowledge that any and all provisions relating to consequential, Delay and liquidated damages contained in the Contract are expressly covered by and made a part of this Performance, Labor and Material Payment Bond. Principal and Surety acknowledge that any such provisions lie within their obligations and within the policy coverages and limitations of this instrument.

8. Section 255.05, Florida Statutes, as amended, together with all notice and time provisions contained therein, is incorporated herein, by reference, in its entirety. Any action instituted by a claimant under this bond for payment must be in accordance with the notice and time limitation provisions in Section 255.05(2), Florida Statutes. This instrument regardless of its form, shall be construed and deemed a statutory bond issued in accordance with Section 255.05, Florida Statutes.

9. Any action brought under this instrument shall be brought in the state court of competent jurisdiction in Palm Beach County and not elsewhere.

ATTEST:

Sunnie Huffman
(Signature)

Sunnie Huffman
(Print Name)

Witness
(Title)

A Cut Above Landscape & Maintenance, Inc.
(Seal)

By: Damon Rockett
(Principal) President

ATTEST:

Rita Lazarides
(Signature)

Rita Lazarides
(Print Name)

Witness
(Title)

Philadelphia Indemnity Insurance Company
(Seal)

By: Brett Rosenhaus
Brett Rosenhaus (Surety) Attorney-in-Fact

PUBLIC CONSTRUCTION BOND

DESCRIPTION OF WORK: Landscaping, Irrigation, Earthwork

PROJECT LOCATION: Countywide

SURETY COMPANY: Philadelphia Indemnity Insurance Company

SURETY ADDRESS: One Bala Plaza East, Suite 100
Bala Cynwyd, PA 19004

SURETY PHONE: (610) 206-7836

BOND NUMBER: PB12270900261

BOND AMOUNT: $1,000,000.00

CONTRACT AMOUNT: $1,000,000.00

As the Surety Company for A Cut Above Landscape & Maintenance, Inc. we have executed the captioned bond. Because the Contract date is unknown, we have left the bond(s) undated. As a duly authorized Attorney-in-Fact for the Surety, Philadelphia Indemnity Insurance Company, permission is hereby granted to Palm Beach County to fill in the Contract date on the bond(s) and power of attorney when that date is known. Also, the "signed and sealed" date on the bond(s) should be completed.

PHILADELPHIA INDEMNITY INSURANCE COMPANY
One Bala Plaza, Suite 100
Bala Cynwyd, PA 19004-0950

Power of Attorney

KNOW ALL PERSONS BY THESE PRESENTS: That **PHILADELPHIA INDEMNITY INSURANCE COMPANY** (the Company), a corporation organized and existing under the laws of the Commonwealth of Pennsylvania, does hereby constitute and appoint **Brett Rosenhaus, Richard Zimmerman and Dale Allison Belis of Nielson,Rosenhaus & Associates**, its true and lawful Attorney-in-fact with full authority to execute on its behalf bonds, undertakings, recognizances and other contracts of indemnity and writings obligatory in the nature thereof, issued in the course of its business and to bind the Company thereby, in an amount not to exceed **$50,000,000**.

This Power of Attorney is granted and is signed and sealed by facsimile under and by the authority of the following Resolution adopted by the Board of Directors of PHILADELPHIA INDEMNITY INSURANCE COMPANY on the 14th of November, 2016.

RESOLVED: That the Board of Directors hereby authorizes the President or any Vice President of the Company: (1) Appoint Attorney(s) in Fact and authorize the Attorney(s) in Fact to execute on behalf of the Company bonds and undertakings, contracts of indemnity and other writings obligatory in the nature thereof and to attach the seal of the Company thereto; and (2) to remove, at any time, any such Attorney-in-Fact and revoke the authority given. And, be it

FURTHER RESOLVED: That the signatures of such officers and the seal of the Company may be affixed to any such Power of Attorney or certificate relating thereto by facsimile, and any such Power of Attorney so executed and certified by facsimile signatures and facsimile seal shall be valid and binding upon the Company in the future with respect to any bond or undertaking to which it is attached.

IN TESTIMONY WHEREOF, PHILADELPHIA INDEMNITY INSURANCE COMPANY HAS CAUSED THIS INSTRUMENT TO BE SIGNED AND ITS CORPORATE SEALTO BE AFFIXED BY ITS AUTHORIZED OFFICE THIS 27TH DAY OF OCTOBER, 2017.

(Seal)

Robert D. O'Leary Jr., President & CEO
Philadelphia Indemnity Insurance Company

On this 27th day of October, 2017, before me came the individual who executed the preceding instrument, to me personally known, and being by me duly sworn said that he is the therein described and authorized officer of the **PHILADELPHIA INDEMNITY INSURANCE COMPANY**; that the seal affixed to said instrument is the Corporate seal of said Company; that the said Corporate Seal and his signature were duly affixed.

COMMONWEALTH OF PENNSYLVANIA
NOTARIAL SEAL
Morgan Knapp, Notary Public
Lower Merion Twp., Montgomery County
My Commission Expires Sept. 25, 2021
MEMBER, PENNSYLVANIA ASSOCIATION OF NOTARIES

(Notary Seal)

Notary Public: Morgan Knapp

residing at: Bala Cynwyd, PA

My commission expires: September 25, 2021

I, Edward Sayago, Corporate Secretary of PHILADELPHIA INDEMNITY INSURANCE COMPANY, do hereby certify that the foregoing resolution of the Board of Directors and the Power of Attorney issued pursuant thereto on the 27th day of October, 2017 are true and correct and are still in full force and effect. I do further certify that Robert D. O'Leary Jr., who executed the Power of Attorney as President, was on the date of execution of the attached Power of Attorney the duly elected President of PHILADELPHIA INDEMNITY INSURANCE COMPANY.

In Testimony Whereof I have subscribed my name and affixed the facsimile seal of each Company this _____ day of _____, 20 _____.

Edward Sayago, Corporate Secretary
PHILADELPHIA INDEMNITY INSURANCE COMPANY

NIELSON, ROSENHAUS & ASSOCIATES
A NIELSON HOOVER GROUP COMPANY

SMART. UNCOMPROMISING. TIMELY. EFFECTIVE. NIELSON, HOOVER & COMPANY, INC. SURETY SOLUTIONS THAT MAKE A DIFFERENCE.

April 21, 2020

A Cut Above Landscape & Maintenance, Inc.
1686 D Road
Loxahatchee, FL 33470

RE: Palm Beach County, as Obligee
Annual Roadway Landscaping Contract, Project No. 2020053, as Project
Bond No. PB12270900261

Dear Ladies and Gentlemen:

Please supply us with the following information for the above captioned final bond:

Executed Contract with Date: X _____

This letter is also giving **A Cut Above Landscape & Maintenance, Inc.,** as Principal, and/or the **Palm Beach County**, as Obligee, the authority to date the Public Construction Bond and Power of Attorney with the contract date and date the Form of Guarantee upon substantial completion. **The contract date MAY BE THE SAME date as the execution of the bond or PRIOR to the execution date of the bonds.**

We will forward this information onto your surety company upon our receipt. Please return as soon as possible.

Thank you for your cooperation.

Sincerely,

Brett Rosenhaus
Attorney-in-Fact

220 Congress Park Drive
Suite 100
Delray Beach, FL 33445
Main: 561.454.8210
Fax: 561.455.4787
www.nielsonbonds.com

OEBO SCHEDULE 3
SUBCONTRACTOR ACTIVITY FORM

SUBCONTRACTOR ACTIVITY FOR MONTH ENDING _____ PROJECT #: _____

PROJECT NAME _____

PRIME CONTRACTOR NAME _____

PROJECT SUPERVISOR _____

Schedule 3 is used to show the monthly payment activity for work performed by each Subcontractor on the project and in conformity with the Subcontractor(s) submitted on Schedule 2. It also shows approved change orders as they impact all Subcontractors. Schedule 3 is to be submitted by the Prime Contractor with each payment request to Palm Beach County. In the Subcontracting Information section, list the name(s) of each Subcontractor, including each S/M/WBE subcontractor on the project and the total contracted amount for each Subcontractor on the project. As the project proceeds, please complete each column under the Subcontractor Information section. If a subcontractor is an S/M/WBE, please check the appropriate categories applicable.

SUBCONTRACTING INFORMATION								Subcontractor Category (check all applicable)						
Name of Subcontractor(s)	Total Contract Amount	Approved Change Orders	Revised Contract Amount	Amount drawn for Sub this Period	Amount drawn for Sub to Date	Amount Paid to Date for Subcontractor	Actual Starting Date	Minority/ Women Business (√)	Small Business (√)	Black (√)	Hispanic (√)	Women (√)	Caucasian (√)	Other (Please Specify) (√)

I hereby certify that the above information is accurate to the best of my knowledge _____ _____
(Signature) (Title)

Additional Sheets May Be Used As Necessary

NOTE: **Firms may be certified as an SBE and/or an M/WBE. If firms are certified as both an SBE and M/WBE, the dollar amount will not be counted twice.**

http://discover.pbcgov.org/oebo/Pages/Compliance-Programs.aspx

Revised 02/28/2019

OEBO SCHEDULE 4 – SUBCONTRACTOR/SUBCONSULTANT PAYMENT CERTIFICATION

A properly executed Schedule 4 shall be submitted for each Subcontractor/subconsultant after receipt of payment from the Prime. The Prime shall submit this form with each payment application or invoice submitted to the County when the COUNTY has paid the Prime on the previous payment application for services provided by a Subcontractor/subconsultant. All named Subcontractors/subconsultants on this form must also complete and submit a separate Schedule 4 after receipt of payment. If the Prime is an S/M/WBE, completion of a Schedule 4 is also required to document all portions of work performed by their work force. **A completed release of lien form can be submitted in lieu of a Schedule 4.**

This is to certify that _____ received a
(Subcontractor/subconsultant Name)

(Monthly) or (Final) payment of $ _____ from _____
(Prime Contractor Name)

On _____/_____/_____ for my _____ Invoice for labor and/or materials supplied
MM DD YYYY Month

On _____ /_____
(Project Name) (Project No.)

DEPT.: _____ TASK ORDER/WORK ORDER/DELIVERY ORDER/PURCHASE ORDER/ NO.: _____

PRIME CONTRACTOR/CONSULTANT VENDOR CODE: _____

SUBCONTRACTOR/SUBCONSULTANT VENDOR CODE: _____

If the undersigned intends to distribute any portion of this payment to another Subcontractor/subconsultant, please list the business name and the amount below accompanied by a separate properly executed Schedule 4.

_____ Price or Percentage: _____
Name of 2nd/3rd tier Subcontractor/subconsultant

By:_____ _____
(Signature of Subcontractor/subconsultant) (Name & Title of Person executing on behalf of Subcontractor/ subconsultant)

STATE OF FLORIDA
COUNTY OF _____

The foregoing instrument was acknowledged before me by means of ☐ physical presence or ☐ online notarization, this _____ day of _____, _____(year), by _____(name of person acknowledging).

_____
Notary Public, State of Florida

_____
Print, Type or Stamp Commissioned Name of Notary

Personally Known ____ OR Produced Identification _____ Type of Identification _____

Revised 12/31/2019

http://discover.pbcgov.org/oebo/Pages/Compliance-Programs.aspx

CERTIFICATION OF SUBLET WORK

PALM BEACH COUNTY ENGINEERING AND PUBLIC WORKS DEPARTMENT

ROADWAY CONSTRUCTION SITES
ANNUAL ROADWAY LANDSCAPING CONTRACT
PALM BEACH COUNTY PROJECT NO. 2020053

Pursuant to section 8-1 of the Florida Department of Transportation Standard Specifications for Road and Bridge Construction dated July 2017 the Contractor shall "not, sell, transfer, assign or otherwise dispose of the Contract or Contracts or any portion thereof, or of the right, title, or interest therein, without written consent of the Department. If the Contractor chooses to sublet any portion of the Contract, the Contractor must submit a written request to sublet work on the Certification of Sublet Work form developed by the Department for this purpose. With the Engineer's acceptance of the request, the Contractor may sublet a portion of the work, but **shall perform with its own organization work amounting to not less than 40% of the total Contract amount**."

Subcontractor Name	Subcontract to Whom	Work Description	Total Amt Sublet
Wooster Welll Drilling	A Cut Above Landscape & Maintenance, Inc.	Well Drilling	4.8%
Advanced Boring, Inc.	A Cut Above Landscape & Maintenance, Inc.	Boring	3.7%
Gerhold Electric, Inc.	A Cut Above Landscape & Maintenance, Inc.	Electrical Work	5.2%

All pertinent provisions and requirements of the Contract Documents will be part of any subcontracts. It is agreed that an executed or a certified copy of the subcontract will be submitted upon request, to Palm Beach County (County). All sublets will be in continued compliance with all Contract provisions and that the Contractor will continue to perform the minimum percentage of the Contract Work with its own organization, as required by said Contract. It is recognized and agreed that, as Contractor, the Contractor remains responsible for the proper performance of all requirements of said contract and the County does not relieve or release the Contractor and its Surety or either of them of any liability under the Contract Bond. The Contractor certifies that firms or individuals, debarred or suspended by the FHWA or the County, are not being used as subcontractors. A false statement or omission made in connection with this certification is sufficient cause for suspension, revocation, or denial of qualification to bid, and a determination of non-responsibility, and may subject the person and/or entity making the false statement to any and all civil and criminal penalties available pursuant to applicable Federal and State Law.

Company Name: A Cut Above Landscape & Maintenance, Inc. Authorized Officer: Damon Rockett (Print)

Address: 1686 D Road Signature:
Loxahatchee, Fl 33470

Client#: 70769 CUTAB

ACORD™ CERTIFICATE OF LIABILITY INSURANCE

DATE (MM/DD/YYYY) 2/07/2020

THIS CERTIFICATE IS ISSUED AS A MATTER OF INFORMATION ONLY AND CONFERS NO RIGHTS UPON THE CERTIFICATE HOLDER. THIS CERTIFICATE DOES NOT AFFIRMATIVELY OR NEGATIVELY AMEND, EXTEND OR ALTER THE COVERAGE AFFORDED BY THE POLICIES BELOW. THIS CERTIFICATE OF INSURANCE DOES NOT CONSTITUTE A CONTRACT BETWEEN THE ISSUING INSURER(S), AUTHORIZED REPRESENTATIVE OR PRODUCER, AND THE CERTIFICATE HOLDER.

IMPORTANT: If the certificate holder is an ADDITIONAL INSURED, the policy(ies) must be endorsed. If SUBROGATION IS WAIVED, subject to the terms and conditions of the policy, certain policies may require an endorsement. A statement on this certificate does not confer rights to the certificate holder in lieu of such endorsement(s).

PRODUCER Gulfshore Insurance - SFL 4100 Goodlette Rd N Naples, FL 34103 239 261-3646	CONTACT NAME: Karla Castro PHONE (A/C, No, Ext): 239 263-4527 FAX (A/C, No): 239 213-2803 E-MAIL ADDRESS: kcastro@gulfshoreinsurance.com
INSURED A Cut Above Landscape & Maintenance Inc 1686 D Road Loxahatchee, FL 33470	INSURER(S) AFFORDING COVERAGE — NAIC # INSURER A : Amerisure Insurance Company — 19488 INSURER B : Commerce & Industry — 19410 INSURER C : Federal Insurance Company — 20281 INSURER D : Allstate Business Insurance — 37907 INSURER E : INSURER F :

COVERAGES CERTIFICATE NUMBER: REVISION NUMBER:

THIS IS TO CERTIFY THAT THE POLICIES OF INSURANCE LISTED BELOW HAVE BEEN ISSUED TO THE INSURED NAMED ABOVE FOR THE POLICY PERIOD INDICATED. NOTWITHSTANDING ANY REQUIREMENT, TERM OR CONDITION OF ANY CONTRACT OR OTHER DOCUMENT WITH RESPECT TO WHICH THIS CERTIFICATE MAY BE ISSUED OR MAY PERTAIN, THE INSURANCE AFFORDED BY THE POLICIES DESCRIBED HEREIN IS SUBJECT TO ALL THE TERMS, EXCLUSIONS AND CONDITIONS OF SUCH POLICIES. LIMITS SHOWN MAY HAVE BEEN REDUCED BY PAID CLAIMS.

INSR LTR	TYPE OF INSURANCE	ADDL INSR	SUBR WVD	POLICY NUMBER	POLICY EFF (MM/DD/YYYY)	POLICY EXP (MM/DD/YYYY)	LIMITS	
A	GENERAL LIABILITY [X] COMMERCIAL GENERAL LIABILITY [ ] CLAIMS-MADE [X] OCCUR GEN'L AGGREGATE LIMIT APPLIES PER: [ ] POLICY [X] PRO-JECT [ ] LOC	X	X	CPP20878670602	06/07/2019	06/07/2020	EACH OCCURRENCE DAMAGE TO RENTED PREMISES (Ea occurrence) MED EXP (Any one person) PERSONAL & ADV INJURY GENERAL AGGREGATE PRODUCTS - COMP/OP AGG	$1,000,000 $1,000,000 $10,000 $1,000,000 $2,000,000 $2,000,000
D	AUTOMOBILE LIABILITY [ ] ANY AUTO [X] ALL OWNED AUTOS [ ] SCHEDULED AUTOS [X] HIRED AUTOS [X] NON-OWNED AUTOS	X	X	648854694	06/07/2019	06/07/2020	COMBINED SINGLE LIMIT (Ea accident) BODILY INJURY (Per person) BODILY INJURY (Per accident) PROPERTY DAMAGE (Per accident)	$1,000,000 $ $ $
B	[X] UMBRELLA LIAB [X] OCCUR [ ] EXCESS LIAB [ ] CLAIMS-MADE [ ] DED [X] RETENTION $0			021369916	06/07/2019	06/07/2020	EACH OCCURRENCE AGGREGATE	$2,000,000 $2,000,000
A	WORKERS COMPENSATION AND EMPLOYERS' LIABILITY ANY PROPRIETOR/PARTNER/EXECUTIVE OFFICER/MEMBER EXCLUDED? Y/N [Y] (Mandatory in NH) If yes, describe under DESCRIPTION OF OPERATIONS below	N/A	X	WC21122500001	06/07/2019	06/07/2020	[X] WC STATU-TORY LIMITS [ ] OTH-ER E.L. EACH ACCIDENT E.L. DISEASE - EA EMPLOYEE E.L. DISEASE - POLICY LIMIT	 $1,000,000 $1,000,000 $1,000,000
C	Leased/Rented Equipment			45467076	06/07/2019	06/07/2020	$100,000 Limit $1,000 Deductible	

DESCRIPTION OF OPERATIONS / LOCATIONS / VEHICLES (Attach ACORD 101, Additional Remarks Schedule, if more space is required)

Project #2020053; Project Description: Annual Roadway Landscape
Palm Beach County Board of County Commissioners, a Political Subdivision of the State of Florida, its Officers, Employees and Agents are included as Additional Insured on a Primary and Non-Contributory basis with regard to General Liability only as required by written contract per form CG7048 1015, including Ongoing and Completed Operations. Waiver of Subrogation in regard to General Liability on form CG7289 0417.
(See Attached Descriptions)

CERTIFICATE HOLDER

Palm Beach County Board of County Commissioners
c/o Engineering Department
Roadway Production Division
2300 N. Jog Road 3rd Floor West
West Palm Beach, FL 33411

CANCELLATION

SHOULD ANY OF THE ABOVE DESCRIBED POLICIES BE CANCELLED BEFORE THE EXPIRATION DATE THEREOF, NOTICE WILL BE DELIVERED IN ACCORDANCE WITH THE POLICY PROVISIONS.

AUTHORIZED REPRESENTATIVE

Jennifer A Jones

© 1988-2010 ACORD CORPORATION. All rights reserved.

DESCRIPTIONS (Continued from Page 1)

Additional Insured in regard to Auto Liability only as required by contract per form AAFL20 1117, including Waiver of Subrogation in favor of the Additional Insured. Waiver of Subrogation in regard to Workers Compensation only as required by written contract per form WC000313 0484.

Client#: 70769 CUTAB

ACORD™ CERTIFICATE OF LIABILITY INSURANCE

DATE (MM/DD/YYYY) 2/07/2020

THIS CERTIFICATE IS ISSUED AS A MATTER OF INFORMATION ONLY AND CONFERS NO RIGHTS UPON THE CERTIFICATE HOLDER. THIS CERTIFICATE DOES NOT AFFIRMATIVELY OR NEGATIVELY AMEND, EXTEND OR ALTER THE COVERAGE AFFORDED BY THE POLICIES BELOW. THIS CERTIFICATE OF INSURANCE DOES NOT CONSTITUTE A CONTRACT BETWEEN THE ISSUING INSURER(S), AUTHORIZED REPRESENTATIVE OR PRODUCER, AND THE CERTIFICATE HOLDER.

IMPORTANT: If the certificate holder is an ADDITIONAL INSURED, the policy(ies) must be endorsed. If SUBROGATION IS WAIVED, subject to the terms and conditions of the policy, certain policies may require an endorsement. A statement on this certificate does not confer rights to the certificate holder in lieu of such endorsement(s).

PRODUCER	CONTACT NAME: Karla Castro
Gulfshore Insurance - SFL 4100 Goodlette Rd N Naples, FL 34103 239 261-3646	PHONE (A/C, No, Ext): 239 263-4527 FAX (A/C, No): 239 213-2803 E-MAIL ADDRESS: kcastro@gulfshoreinsurance.com

INSURED	INSURER(S) AFFORDING COVERAGE	NAIC #
A Cut Above Landscape & Maintenance Inc 1686 D Road Loxahatchee, FL 33470	INSURER A : Amerisure Insurance Company	19488
	INSURER B : Commerce & Industry	19410
	INSURER C : Federal Insurance Company	20281
	INSURER D : Allstate Business Insurance	37907
	INSURER E :	
	INSURER F :	

COVERAGES **CERTIFICATE NUMBER:** **REVISION NUMBER:**

THIS IS TO CERTIFY THAT THE POLICIES OF INSURANCE LISTED BELOW HAVE BEEN ISSUED TO THE INSURED NAMED ABOVE FOR THE POLICY PERIOD INDICATED. NOTWITHSTANDING ANY REQUIREMENT, TERM OR CONDITION OF ANY CONTRACT OR OTHER DOCUMENT WITH RESPECT TO WHICH THIS CERTIFICATE MAY BE ISSUED OR MAY PERTAIN, THE INSURANCE AFFORDED BY THE POLICIES DESCRIBED HEREIN IS SUBJECT TO ALL THE TERMS, EXCLUSIONS AND CONDITIONS OF SUCH POLICIES. LIMITS SHOWN MAY HAVE BEEN REDUCED BY PAID CLAIMS.

INSR LTR	TYPE OF INSURANCE	ADDL INSR	SUBR WVD	POLICY NUMBER	POLICY EFF (MM/DD/YYYY)	POLICY EXP (MM/DD/YYYY)	LIMITS	
A	GENERAL LIABILITY [X] COMMERCIAL GENERAL LIABILITY [ ] CLAIMS-MADE [X] OCCUR GEN'L AGGREGATE LIMIT APPLIES PER: [ ] POLICY [X] PRO-JECT [ ] LOC	X	X	CPP20878670602	06/07/2019	06/07/2020	EACH OCCURRENCE DAMAGE TO RENTED PREMISES (Ea occurrence) MED EXP (Any one person) PERSONAL & ADV INJURY GENERAL AGGREGATE PRODUCTS - COMP/OP AGG	$1,000,000 $1,000,000 $10,000 $1,000,000 $2,000,000 $2,000,000
D	AUTOMOBILE LIABILITY [ ] ANY AUTO [X] ALL OWNED AUTOS [X] HIRED AUTOS [ ] SCHEDULED AUTOS [X] NON-OWNED AUTOS	X	X	648854694	06/07/2019	06/07/2020	COMBINED SINGLE LIMIT (Ea accident) BODILY INJURY (Per person) BODILY INJURY (Per accident) PROPERTY DAMAGE (Per accident)	$1,000,000 $ $ $
B	[X] UMBRELLA LIAB [X] OCCUR EXCESS LIAB [ ] CLAIMS-MADE DED [X] RETENTION $0			021369916	06/07/2019	06/07/2020	EACH OCCURRENCE AGGREGATE	$2,000,000 $2,000,000
A	WORKERS COMPENSATION AND EMPLOYERS' LIABILITY ANY PROPRIETOR/PARTNER/EXECUTIVE OFFICER/MEMBER EXCLUDED? Y/N [Y] N/A (Mandatory in NH) If yes, describe under DESCRIPTION OF OPERATIONS below		X	WC21122500001	06/07/2019	06/07/2020	[X] WC STATU-TORY LIMITS [ ] OTH-ER E.L. EACH ACCIDENT E.L. DISEASE - EA EMPLOYEE E.L. DISEASE - POLICY LIMIT	$1,000,000 $1,000,000 $1,000,000
C	Leased/Rented Equipment			45467076	06/07/2019	06/07/2020	$100,000 Limit $1,000 Deductible	

DESCRIPTION OF OPERATIONS / LOCATIONS / VEHICLES (Attach ACORD 101, Additional Remarks Schedule, if more space is required)

Project #2020053; Project Description: Annual Roadway Landscape
Palm Beach County Board of County Commissioners, a Political Subdivision of the State of Florida, its Officers, Employees and Agents are included as Additional Insured on a Primary and Non-Contributory basis with regard to General Liability only as required by written contract per form CG7048 1015, including Ongoing and Completed Operations. Waiver of Subrogation in regard to General Liability on form CG7289 0417.
(See Attached Descriptions)

CERTIFICATE HOLDER

Palm Beach County Board of County Commissioners
c/o Engineering Department
Roadway Production Division
2300 N. Jog Road 3rd Floor West
West Palm Beach, FL 33411

CANCELLATION

SHOULD ANY OF THE ABOVE DESCRIBED POLICIES BE CANCELLED BEFORE THE EXPIRATION DATE THEREOF, NOTICE WILL BE DELIVERED IN ACCORDANCE WITH THE POLICY PROVISIONS.

AUTHORIZED REPRESENTATIVE

Timothy A Green

© 1988-2010 ACORD CORPORATION. All rights reserved.

The ACORD name and logo are registered marks of ACORD

MAK

DESCRIPTIONS (Continued from Page 1)

Additional Insured in regard to Auto Liability only as required by contract per form AAFL20 1117, including Waiver of Subrogation in favor of the Additional Insured. Waiver of Subrogation in regard to Workers Compensation only as required by written contract per form WC000313 0484.

Search

Insured Name

A Cut Above Landscape & Mai

Wynn & Sons Environmental

Active Records Only

Advance Search

Insured Tasks **Admin Tools**

View

- Insured
- Notes
- History
- Deficiencies
- Coverages
- Requirements
- Contract Screen

Add

Edit

Help

Video Tutorials

Home > Insured Tasks > View > Insured

Insured

Name:	A Cut Above Landscape & Maintenance Inc
Account Number:	DX00000548
Address:	
Status:	Currently in Compliance.

Insured

Business Unit(s) | DBA Number | Print Insured Info

Account Information

Account Number:	DX00000548	
Risk Type:	Standard - Construction Services	
Do Not Call:		Address Updated:

Address Information

Mailing Address		**Physical Address**
Insured:	A Cut Above Landscape & Maintenance Inc	
Address 1:		
Address 2:		
City:		
State:		

Zip:			
Country:			
Contract Information			
Contract Number:			
Contract Start Date:		Contract End Date:	
Contract Effective Date:		Contract Expiration Date:	
Description of Services:	Annual Rodeway Landscaping Contract	Safety Form II:	No
Contact Information			
Contact Name:	Eneyda Gomez	Misc:	
Phone Number:	5617951995	Alt Phone Number:	
Fax Number:			
E-Mail Address:	eneyda@acalandscape.net		
Approval Date:			
Rush:	No		
Contract on File:	No		
Certificate Received:	No		
Indemnification Agreement:	No		
Tax Id:			

This Account created by c28 on 01/17/2020.

RELEASE AND CONCURRENCE OF FINAL PAYMENT AMOUNT

PROJECT: _____

_____

_____

PROJECT NO.: _____

THIS IS TO CERTIFY THAT, ON BEHALF OF _____

I HAVE REVIEWED THE FINAL FIGURES PRESENTED BY THE COUNTY ON THIS CONTRACT, HAVE VERIFIED AND HEREBY CONCUR WITH THE ACCOUNTING AND AMOUNTS PRESENTLY STATED AS DUE, AND BY SIGNING HEREOF, AND UPON RECEIPT OF PAYMENT IN THE AMOUNT OF $ _____

DO HEREBY RELEASE THE COUNTY FROM ANY FURTHER CLAIMS OF PAYMENT FOR WORK DONE, WHETHER OR NOT THE ABOVE–STATED AMOUNT MAY LATER BE DISCOVERED OR DETERMINED INCORRECT.

CONTRACTOR: _____

BY: _____

DATE: _____

Equal Business Opportunity (EBO)
Participation Form

PROJECT _____

_____

PROJECT NO. _____

The Contractor's proposed Small Business Enterprise (SBE) goal for this project was_____%.

The Contractor achieved a Small Business Enterprise (SBE) participation of _____% at the end of this project.

The Contractor's proposed Minority/Women Owned Business Enterprise (M/WBE) goal for this project was_____%.

The Contractor achieved a Minority/Women Owned Business Enterprise (M/WBE) participation of _____% at the end of this project.

CONTRACTOR: _____

BY: _____

DATE: _____

CHANGE ORDER

___Owner Initiated
___Differing Site Conditions
___Zoning/Code/Ordinance Changes
___Errors/Omissions/In Design

___ Quantity Overruns/Underruns
____Request By Another Agency/Outside Party:
_____
___ A. Reimbursable ___ B. Non-Reimbursable

___ Other:

PROJECT:
(Name)
TO:
(Contractor)

CHANGE ORDER NO:
COUNTY PROJECT NO:
CONTRACT DATE:
RESOLUTION NO:
DISTRICT NO:

You are directed to make the following changes in this Contract:

The original Contract Sum was	$
Net change by previous Change Orders	$
The Contract Sum prior to this Change Order was	$
The Contract Sum will be increased by this Change Order	$
The new Contract Sum including this Change Order will be	$
The Contract Time will be increased by.	( ) Days
The Date of Completion including this Change Order therefore is	

EXECUTION OF THIS CHANGE ORDER ACKNOWLEDGES FINAL SETTLEMENT OF, AND RELEASES ALL CLAIMS FOR, COSTS AND TIME ASSOCIATED, DIRECTLY OR INDIRECTLY, WITH THE ABOVE-STATED MODIFICATION(S). INCLUDING ALL CLAIMS FOR CUMULATIVE DELAYS OR DISRUPTIONS RESULTING FROM, CAUSED BY, OR INCIDENT TO, SUCH MODIFICATION(S), AND INCLUDING ANY CLAIM THAT THE ABOVE-STATED MODIFICATION(S) CONSTITUTES, IN WHOLE OR PART, A CARDINAL CHANGE TO THE CONTRACT.

_____
CONTRACTOR

_____
Address

_____

NAME: _____

TITLE: _____

DATE: _____

PALM BEACH COUNTY BOARD OF COUNTY COMMISSIONERS
ENGINEERING & PUBLIC WORKS DEPARTMENT
P. O. BOX 21229, WEST PALM BEACH, FL 33416-1229

REQUEST:	**REQUESTING DIVISION:**	**INFORMATION:**
__ WORK ORDER NO. _____	__ ROAD & BRIDGE	DATE _____
__ NEW AUTHORIZATION	__ TRAFFIC	REQUESTOR _____
X CHANGE ORDER NO. _____	__ ROADWAY PRODUCTION	COMMISSION DISTRICT NO: _____
__ SUPPLEMENTAL NO. _____	X CONSTRUCTION COOR.	RESOLUTION NO: R _____
__ OTHER: _____	__ STREETSCAPE	PBC PO NUMBER: _____

PROJECT LOCATION/LIMITS: _____
PROJECT NUMBER: _____ **BUDGET LINE ITEM:** _____
CONTRACT NO: _____ **CONTRACT DATE:** _____

CONTRACTOR/CONSULTANT/VENDOR: _____ **VENDOR #** _____
CONTACT: _____ **CONTACT PHONE NUMBER:** _____

Details: _____

The total amount of this request, per the attached documentation, is not to exceed $ _____
The Small Business Enterprise (SBE) goal for this contract is ____%. The estimated SBE participation for this request is ____%. The cumulative SBE participation to date for this Contract including this request is ____%.

The Minority/Women Owned Business Enterprise (M/WBE) goal for this contract is ____%. The estimated M/WBE participation for this request is ____%. The cumulative M/WBE participation to date for this Contract including this request is ____%.

Palm Beach County Contact:

_____
Name Title Telephone Number

CONTRACTOR/CONSULTANT/VENDOR APPROVALS
Please indicate your receipt of this request by signing and returning this original document to our office.

_____
Signature Date

_____
Print Name and Title

Please sign below and submit with invoice at the completion of the project. Project completed in compliance with Contract and Project Specifications.

_____
Signature Date

_____
Print Name and Title

PALM BEACH COUNTY APPROVALS

BOARD APPROVAL ? _____ **Date:** _____

_____
Division Approval Date

_____
Deputy County Engineer Date

_____
Budget Approval Date

_____
Contract Review Committee (when required) Date

CONST-4

FORM OF GUARANTEE

BOND NO. PB12270900261

GUARANTEE FOR (Contractor and Surety Name) A Cut Above Landscape & Maintenance, Inc., Contractor, and Philadelphia Indemnity Insurance Company, Surety.

We the undersigned hereby guarantee that the Annual Roadway Landscaping Contract (Project), Project Number 2020053, Palm Beach County, Florida, which we have constructed and bonded, has been done in accordance with the Plans and Specifications; that the Work constructed will fulfill the requirements of the guaranties included in the Contract Documents. We agree to repair or replace any or all of our Work, together with any Work of others which may be damaged in so doing, that may prove to be defective in the workmanship or Materials within the warranty period of one year from the date of Final Completion of all the above named Work by the County of Palm Beach, State of Florida, without any expense whatsoever to said County of Palm Beach, ordinary wear and tear and unusual abuse or neglect excepted by the County. When correction Work is started, it shall be carried through to completion.

In the even of our failure to acknowledger notice, and commence corrections of defective Work within five (5) Calendar Days after being notified in writing by the Board of County Commissioners, Palm Beach County, Florida, we, collectively or separately, do hereby authorize Palm Beach County to proceed to have said defects repaired and made good at our expense and we will honor and pay the costs and charges therefore upon demand.

County and (Contractor, engineer, architect as applicable) agree that the provisions of Florida Statute Chapter 558 shall not apply to this Contract.

Dated _____
(notice of completion filing date)

SEAL AND NOTARIAL ACKNOWLEDGEMENT OF SURETY

A Cut Above Landscape & Maintenance, Inc. (Seal)
(Contractor)

By: _____ Damar Rockett, President
(Signature) (Printed Name and Title)

Philadelphia Indemnity Insurance Company (Seal)
(Surety)

By: _____ Brett Rosenhaus, Attorney-in-Fact
(Signature) (Printed Name and Title)

PHILADELPHIA INDEMNITY INSURANCE COMPANY
One Bala Plaza, Suite 100
Bala Cynwyd, PA 19004-0950

Power of Attorney

KNOW ALL PERSONS BY THESE PRESENTS: That **PHILADELPHIA INDEMNITY INSURANCE COMPANY** (the Company), a corporation organized and existing under the laws of the Commonwealth of Pennsylvania, does hereby constitute and appoint **Brett Rosenhaus, Richard Zimmerman and Dale Allison Belis of Nielson,Rosenhaus & Associates**, its true and lawful Attorney-in-fact with full authority to execute on its behalf bonds, undertakings, recognizances and other contracts of indemnity and writings obligatory in the nature thereof, issued in the course of its business and to bind the Company thereby, in an amount not to exceed **$50,000,000**.

This Power of Attorney is granted and is signed and sealed by facsimile under and by the authority of the following Resolution adopted by the Board of Directors of PHILADELPHIA INDEMNITY INSURANCE COMPANY on the 14th of November, 2016.

RESOLVED: That the Board of Directors hereby authorizes the President or any Vice President of the Company: (1) Appoint Attorney(s) in Fact and authorize the Attorney(s) in Fact to execute on behalf of the Company bonds and undertakings, contracts of indemnity and other writings obligatory in the nature thereof and to attach the seal of the Company thereto; and (2) to remove, at any time, any such Attorney-in-Fact and revoke the authority given. And, be it

FURTHER RESOLVED: That the signatures of such officers and the seal of the Company may be affixed to any such Power of Attorney or certificate relating thereto by facsimile, and any such Power of Attorney so executed and certified by facsimile signatures and facsimile seal shall be valid and binding upon the Company in the future with respect to any bond or undertaking to which it is attached.

IN TESTIMONY WHEREOF, PHILADELPHIA INDEMNITY INSURANCE COMPANY HAS CAUSED THIS INSTRUMENT TO BE SIGNED AND ITS CORPORATE SEALTO BE AFFIXED BY ITS AUTHORIZED OFFICE THIS 27TH DAY OF OCTOBER, 2017.

(Seal)

Robert D. O'Leary Jr., President & CEO
Philadelphia Indemnity Insurance Company

On this 27th day of October, 2017, before me came the individual who executed the preceding instrument, to me personally known, and being by me duly sworn said that he is the therein described and authorized officer of the **PHILADELPHIA INDEMNITY INSURANCE COMPANY**; that the seal affixed to said instrument is the Corporate seal of said Company; that the said Corporate Seal and his signature were duly affixed.

COMMONWEALTH OF PENNSYLVANIA
NOTARIAL SEAL
Morgan Knapp, Notary Public
Lower Merion Twp., Montgomery County
My Commission Expires Sept. 25, 2021
MEMBER, PENNSYLVANIA ASSOCIATION OF NOTARIES

(Notary Seal)

Notary Public: Morgan Knapp
residing at: Bala Cynwyd, PA
My commission expires: September 25, 2021

I, Edward Sayago, Corporate Secretary of PHILADELPHIA INDEMNITY INSURANCE COMPANY, do hereby certify that the foregoing resolution of the Board of Directors and the Power of Attorney issued pursuant thereto on the 27th day of October, 2017 are true and correct and are still in full force and effect. I do further certify that Robert D. O'Leary Jr., who executed the Power of Attorney as President, was on the date of execution of the attached Power of Attorney the duly elected President of PHILADELPHIA INDEMNITY INSURANCE COMPANY.

In Testimony Whereof I have subscribed my name and affixed the facsimile seal of each Company this _____ day of _____, 20 _____.

Edward Sayago, Corporate Secretary
PHILADELPHIA INDEMNITY INSURANCE COMPANY

PHILADELPHIA INDEMNITY INSURANCE COMPANY
One Bala Plaza, Suite 100
Bala Cynwyd, PA 19004-0950

Power of Attorney

KNOW ALL PERSONS BY THESE PRESENTS: That **PHILADELPHIA INDEMNITY INSURANCE COMPANY** (the Company), a corporation organized and existing under the laws of the Commonwealth of Pennsylvania, does hereby constitute and appoint **Brett Rosenhaus, Richard Zimmerman and Dale Allison Belis of Nielson,Rosenhaus & Associates**, its true and lawful Attorney-in-fact with full authority to execute on its behalf bonds, undertakings, recognizances and other contracts of indemnity and writings obligatory in the nature thereof, issued in the course of its business and to bind the Company thereby, in an amount not to exceed **$50,000,000**.

This Power of Attorney is granted and is signed and sealed by facsimile under and by the authority of the following Resolution adopted by the Board of Directors of PHILADELPHIA INDEMNITY INSURANCE COMPANY on the 14th of November, 2016.

RESOLVED: That the Board of Directors hereby authorizes the President or any Vice President of the Company: (1) Appoint Attorney(s) in Fact and authorize the Attorney(s) in Fact to execute on behalf of the Company bonds and undertakings, contracts of indemnity and other writings obligatory in the nature thereof and to attach the seal of the Company thereto; and (2) to remove, at any time, any such Attorney-in-Fact and revoke the authority given. And, be it

FURTHER RESOLVED: That the signatures of such officers and the seal of the Company may be affixed to any such Power of Attorney or certificate relating thereto by facsimile, and any such Power of Attorney so executed and certified by facsimile signatures and facsimile seal shall be valid and binding upon the Company in the future with respect to any bond or undertaking to which it is attached.

IN TESTIMONY WHEREOF, PHILADELPHIA INDEMNITY INSURANCE COMPANY HAS CAUSED THIS INSTRUMENT TO BE SIGNED AND ITS CORPORATE SEALTO BE AFFIXED BY ITS AUTHORIZED OFFICE THIS 27TH DAY OF OCTOBER, 2017.

(Seal)

Robert D. O'Leary Jr., President & CEO
Philadelphia Indemnity Insurance Company

On this 27th day of October, 2017, before me came the individual who executed the preceding instrument, to me personally known, and being by me duly sworn said that he is the therein described and authorized officer of the **PHILADELPHIA INDEMNITY INSURANCE COMPANY**; that the seal affixed to said instrument is the Corporate seal of said Company; that the said Corporate Seal and his signature were duly affixed.

COMMONWEALTH OF PENNSYLVANIA
NOTARIAL SEAL
Morgan Knapp, Notary Public
Lower Merion Twp., Montgomery County
My Commission Expires Sept. 25, 2021
MEMBER, PENNSYLVANIA ASSOCIATION OF NOTARIES

(Notary Seal)

Notary Public: Morgan Knapp
residing at: Bala Cynwyd, PA
My commission expires: September 25, 2021

I, Edward Sayago, Corporate Secretary of PHILADELPHIA INDEMNITY INSURANCE COMPANY, do hereby certify that the foregoing resolution of the Board of Directors and the Power of Attorney issued pursuant thereto on the 27th day of October, 2017 are true and correct and are still in full force and effect. I do further certify that Robert D. O'Leary Jr., who executed the Power of Attorney as President, was on the date of execution of the attached Power of Attorney the duly elected President of PHILADELPHIA INDEMNITY INSURANCE COMPANY.

In Testimony Whereof I have subscribed my name and affixed the facsimile seal of each Company this 21st day of April, 20 20.

Edward Sayago, Corporate Secretary
PHILADELPHIA INDEMNITY INSURANCE COMPANY

CONSENT OF SURETY FOR FINAL PAYMENT

BOND NUMBER: _____

PROJECT NAME: _____

PROJECT LOCATION: _____

PROJECT NUMBER: _____ CONTRACT NUMBER: _____

CONTRACT AMOUNT: $_____ CONTRACT DATE: _____

ENGINEER: _____

In accordance with the provisions of the above named Contract between the County and the Contractor, the following named Surety:

_____

On the PUBLIC CONSTRUCTION BOND of the following named Contractor:

_____

Hereby approves of final payment by County to the Contractor, and further agrees that said final payment to the Contractor shall not relieve the Surety Company named herein of any of its obligations to the Palm Beach County, as set forth in said Surety Company's bond:

_____

IN WITNESS WHEREOF, the Surety Company has hereunto set its hand and seal this _____ day of _____, 20_____.

_____ _____

(Attest) Witness Signature (Name of Surety Company)

_____ _____

(Witness Printed Name) (Signature of Surety's Authorized Representative)

_____

(Printed Name and Title)

(Seal)

FINAL WAIVER AND RELEASE OF CLAIM

KNOW ALL BY THESE PRESENT, that the undersigned, to induce the final payment in the sum of $_____, and other valuable considerations and benefits to the undersigned accruing does upon receipt of payment waive, release and quit claim all claims or demands of every kind whatsoever against the project, commonly known as _____"Project", and Palm Beach County, Florida, on account of work and labor performed, and/or materials furnished in connection with the above described Project, or any part thereof.

It being understood that this is a Final Waiver and Release of Claim, and the undersigned warrants that no assignment of said claim, nor the right to perfect a claim against any real estate by virtue of the accrual of said payment, has or will be made, and the undersigned has the right to execute this Final Waiver and Release, and that all laborers employed by the undersigned in connection with the Project, to the extent of the payment herein referred to, have been fully-paid and all materials, supplies and personalty are free and clear of conditional bill of sale and/or retain title contracts.

IN WITNESS WHEREOF, I have hereunto set my and seal and I hereby acknowledge that the foregoing statements are true and correct this _____ day of _____, 20 ____.

WITNESS:

_____
Signature

_____
Print Name

CONTRACTOR

_____
Company Name

BY_____
Signature

_____
Print Name

_____
Title

STATE OF_____

COUNTY OF_____

The foregoing instrument was acknowledged before me by means of ☐ physical presence or ☐ online notarization, this _____ day of _____, 20_____, by _____*(name)*as _____*(title)* for _____*(firm)*, on behalf of the *(choose one)* corporation / company / partnership, who is ☐ personally known to me or has produced _____(type of identification) as identification.

_____
Notary Signature

Notary Public, State of _____

(Stamp/Seal)

_____
Print Notary Name

Commission Number

My Commission Expires_____

Form 1

STATE OF FLORIDA
COUNTY OF _____

Before me the undersigned authority in said county and state, personally appeared _____, who being first duly sworn, deposes and says that he is: _____ (a) President (or Vice President) of _____ corporation authorized to do business under the laws of Florida and which Corporation is the Contractor;

OR

_____ (b) a partner of the firm of _____ composed of _____ and _____, doing business under the name of _____, which firm is the Contractor;

OR

_____ (c) the individual who, doing business under the trade name of _____ is the Contractor, on project No. _____, Road _____ in _____ County, Florida, under Resolution No. _____ with the County of Palm Beach dated the _____ day of _____ 20____; that the deponent knows of his own knowledge that:

1. The said Contract has been complied with in every particular by said Contractor and that all parts of the Work have been approved by the Director of Construction Coordination of the County of Palm Beach.

2. The Contractor has not offered or made any gift or gratuity to, or made any financial transaction of any nature with, any employee of the Department in connection with obtaining or performing said Contract.

3. All amounts payable for labor, Materials or otherwise, in connection with said Contract and Work, have been paid except for normal sub-Contract retainages, which will be satisfied upon payment and/or release of retainage withheld under this Contract.

4. There are no claims or suits pending against said Contractor or anyone in connection with the Work done, Materials furnished or otherwise under said Contract, except as listed below. As to any such exception listed below, the Contractor has stated the name of the entity making Claim, the name of the entity against whom the Claim is being made, and demonstrated below good cause as required by Section 337.11(10)(b), Florida Statutes.

(Affix Corp. Seal)

_____
(Deponent)

_____
(Title)

CONTRACTOR: _____

PROJECT: _____

Form 2

We, the _____, having heretofore executed a performance and payment bond for the above named contractor covering the project and road described above hereby agree that the County of Palm Beach may make full payment of the final estimate, including the retained percentage, to said contractor.

It is fully understood that the granting of the right of the County of Palm Beach to make the payment of the final estimate to said contractor and/or his assignee, shall in no way relieve the surety company of its obligations under its bond, as set forth in the specifications and contract, including an amendments hereto, pertaining to the above project and road.

IN WITNESS WHEREOF, the _____ has caused the Instrument to be executed on its behalf by its _____ and/or its duly authorized attorney in fact, and its corporate seal to be hereto affixed, all on this _____ day of _____, A.D. 20____.

_____
SURETY COMPANY

(AFFIX SEAL)

BY: _____
It's Attorney in Fact

(Power of Attorney must be attached if executed by Attorney in Fact)

STATE OF _____

COUNTY OF _____

The foregoing instrument was acknowledged before me by means of ☐ physical presence or ☐ online notarization, this _____ day of _____, 20_____, by _____ *(name)* as _____ *(title)* for _____ *(firm)*, on behalf of the *(choose one)* corporation / company / partnership, who is ☐ personally known to me or has produced _____ (type of identification) as identification.

_____
Notary Signature
Notary Public, State of _____

(Stamp/Seal)

_____
Print Notary Name
Commission Number

My Commission Expires _____

Countersignature: _____
Required ONLY if executed by Non Florida Resident Agent

RECORD OF CONSTRUCTION MATERIALS
AFFIDAVIT

I_____, _____
(Name) (Title)

OF_____
(Name of Firm)

I solemnly swear and affirm, that as Prime Contractor, the work under the above-named contract and all amendments thereto have been completed and materials supplied in accordance with the requirements of said contract. I have preserved in my files, for inspection by the Department, all invoices and records of materials as required by Article 9-7 of the applicable specifications. These records include all materials purchased by subcontractors and represent all commercial construction materials used in the construction of Project No. _____.

(Contract No. _____) in _____County, and that the information is true and correct.

Signed_____

STATE OF_____

COUNTY OF_____

The foregoing instrument was acknowledged before me by means of ☐ physical presence or ☐ online notarization, this _____ day of _____, 20_____, by _____*(name)*as _____*(title)* for _____*(firm)*, on behalf of the *(choose one)* corporation / company / partnership, who is ☐ personally known to me or has produced _____(type of identification) as identification.

_____
Notary Signature
Notary Public, State of _____

(Stamp/Seal)

_____
Print Notary Name
Commission Number

My Commission Expires_____

DISBURSEMENT OF PREVIOUS PERIODIC PAYMENTS TO SUBCONTRACTORS

DATE: _____

PROJECT: _____

PROJECT NO: _____

To apply to monthly estimate for _____ *(month)*, 20_____

_____, prime contractor for the above referenced contract, hereby certifies that all subcontractors having interest in this contract have received their pro rata share of all previous periodic payments made by the County for all work completed and materials and equipment furnished under the contract, except for $_____ which is in dispute with _____ (leave blank if fully paid) as a result of back charges (attach explanation of back charges if applicable). The term "subcontractor" as used herein shall also include persons or firms furnishing materials, or equipment incorporated into the work or stockpiled in the vicinity of the project for which partial payment has been made by the County, and work done under equipment-rental agreements.

THIS AFFIDAVIT IS DONE WITH THE UNDERSTANDING THAT CONTRACT PAYMENTS ARE BASED ON THE TURUTH AND VERACITY OF THIS DOCUMENT AND NAY MISREPRESENTATION HEREUNDER COULD RESULT IN AN ACTION FOR BREACH OF CONTRACT AND/OR LOSS, REDUCTION OR RETENTION OF FUTURE CONTRACT PAYMENTS.

_____ _____

(Contractor Firm) *(Signature)*

_____

(Title)

STATE OF _____

COUNTY OF _____

The foregoing instrument was acknowledged before me by means of ☐ physical presence or ☐ online notarization, this _____ day of _____, 20_____, by _____ *(name)* as _____ *(title)* for _____ *(firm)*, on behalf of the *(choose one)* corporation / company / partnership, who is ☐ personally known to me or has produced _____ (type of identification) as identification.

_____

Notary Signature

Notary Public, State of _____

(Stamp/Seal)

_____

Print Notary Name

Commission Number

My Commission Expires _____

DISBURSEMENT OF FINAL PAYMENT TO SUBCONTRACTORS

DATE: _____
PROJECT: _____
PROJECT NO: _____
TO APPLY TO FINAL ESTIMATE NO. _____, _____, 20_____.

_____, prime contractor for the above referenced contract, hereby certifies that all subcontractors having interest in this contract have received their pro rata share of all previous periodic payments made by the County for all work completed and materials and equipment furnished under the contract, except for $_____ which is in dispute with _____ (leave blank if fully paid) as a result of back charges (attach explanation of back charges if applicable). The term "subcontractor" as used herein shall also include persons or firms furnishing materials, or equipment incorporated into the work for which final payment has been made by the County, and work done under equipment-rental agreements.

The following are to be paid from the final payment:

Sub-Contractor or Supplier	Amount
_____	_____
_____	_____
_____	_____

(Use Attachment for Additional Sub-Contractor or Suppliers)

THIS AFFIDAVIT IS DONE WITH THE UNDERSTANDING THAT CONTRACT PAYMENTS ARE BASED ON THE TRUTH AND VERACITY OF THIS DOCUMENT AND ANY MISREPRESENTATION HEREUNDER COULD RESULT IN AN ACTION FOR BREACH OF CONTRACT AND/OR LOSS, REDUCTION OR RETENTION OF FUTURE CONTRACT PAYMENTS.

_____ Contractor

_____ By

_____ Title

STATE OF _____
COUNTY OF _____

The foregoing instrument was acknowledged before me by means of ☐ physical presence or ☐ online notarization, this _____ day of _____, 20_____, by _____ *(name)* as _____ *(title)* for _____ *(firm)*, on behalf of the *(choose one)* corporation / company / partnership, who is ☐ personally known to me or has produced _____ (type of identification) as identification.

_____
Notary Signature
Notary Public, State of _____

(Stamp/Seal)

_____
Print Notary Name
Commission Number
My Commission Expires _____

Palm Beach County
Office of Small Business Assistance

Certifies That

A Cut Above Landscaping & Maintenance, Inc.

Vendor # VC0000009701

is a Small Business Enterprise as prescribed by section 2-80.21 – 2-80.35 of the Palm Beach County Code for a three year period from July 8, 2017 - July 7, 2020

The following Services and/or Products are covered under this certification:

Grounds and Roadside Maintenance: Mowing, Edging, Plant, Not Tree Trimming, etc.; Irrigation Systems Installation, Maintenance and Repair; Landscaping, Including Design, Fertilizing, Planting, etc., Not Grounds Maintenance or Tree Trimming Services; Tree and Shrub Removal Services

Palm Beach County Board of County Commissioners

Paulette Burdick, Mayor
Melissa McKinlay, Vice Mayor
Hal Valeche
Dave Kerner
Steven L. Abrams
Mary Lou Berger
Mack Bernard

County Administrator
Verdenia C. Baker

Allen F. Gray, Manager

May 22, 2017

RICK SCOTT, GOVERNOR

JONATHAN ZACHEM, SECRETARY

Florida dbpr

STATE OF FLORIDA
DEPARTMENT OF BUSINESS AND PROFESSIONAL REGULATION

CONSTRUCTION INDUSTRY LICENSING BOARD

THE IRRIGATION SPECIALTY CONTRACTOR HEREIN IS CERTIFIED UNDER THE PROVISIONS OF CHAPTER 489, FLORIDA STATUTES

TYSON, BRIAN M

A CUT ABOVE LANDSCAPE AND MAINTENANCE, INC.
9180 NICKELS BLVD
BOYNTON BEACH FL 33436

LICENSE NUMBER: SCC131152097

EXPIRATION DATE: AUGUST 31, 2020

Always verify licenses online at MyFloridaLicense.com

Do not alter this document in any form.

This is your license. It is unlawful for anyone other than the licensee to use this document.

STATE OF FLORIDA DEPARTMENT OF BUSINESS AND PROFESSIONAL REGULATION

SCC131152097 ISSUED: 11/09/2018
IRRIGATION SPECIALTY CONTRACTOR
TYSON, BRIAN M
A CUT ABOVE LANDSCAPE AND MAINTENA

Signature

LICENSED UNDER CHAPTER 489, FLORIDA STATUTES
EXPIRATION DATE: AUGUST 31, 2020

A CUT ABOVE
LANDSCAPE & IRRIGATION
Design · Installation · Maintenance

1686 D Road
Loxahatchee, FL 33470
PH: 561.795.1995
FX: 561.795.8898

Similar Projects Information

(complete the following for each similar project)

Similar Project Experience	Name	K- Park
	Location	Wellington, Fl
	Total Construction Cost	$401,516.00
	Description	Installation of Landscape & Irrigation
Client/ Owner	Firm / Agency	Village of Wellington
	Contact person	Brian Hopper
	Phone number	561-791-4126
	Email	bhopper@wellingtonfl.gov
Bidder's Role (prime/subcontractor):		Prime
Portion of Project Completed by Bidder:		100%- Landscape & Irrigation
Construction Cost of Portion of Project Completed by Bidder:		100%

Similar Project Experience	Name	Clintmoore Road Beautification
	Location	Boca Raton, Fl
	Total Construction Cost	$412,551.86
	Description	Installation of Landscape & Irrigation
Client/ Owner	Firm / Agency	City of Boca Raton
	Contact person	Curtis Cahoon
	Phone number	561-416-3415
	Email	CCahoon@ci.boca-raton.fl.us
Bidder's Role (prime/subcontractor):		Prime
Portion of Project Completed by Bidder:		100%- Landscape & Irrigation
Construction Cost of Portion of Project Completed by Bidder:		100%

Similar Project Experience	Name	Landscape Improvements for Alt A1A
	Location	Jupiter, Fl
	Total Construction Cost	$521,490.11
	Description	Installation of Landscape & Irrigation
Client/ Owner	Firm / Agency	
	Contact person	Town of Jupiter
	Phone number	Scott Isberner
	Email	561-741-2215
Bidder's Role (prime/subcontractor):		Scottl@jupiter.fl.us Prime
Portion of Project Completed by Bidder:		100%- Landscape & Irrigation
Construction Cost of Portion of Project Completed by Bidder:		100%

ADVERTISEMENT FOR BID

Sealed Bids will be received by the Board of County Commissioners, Palm Beach County, Florida, in the Office of Palm Beach County Engineering & Public Works Department, Roadway Production Division, located at 2300 North Jog Road, Third Floor Room 3W-33, West Palm Beach, Florida, 33411-2745, up to 2:00 P.M., local time, and opened in the Third Floor Conference Room (3W-12) on **Tuesday, March 3, 2020**, for furnishing all Materials, labor, Equipment and supplies necessary for the Construction of:

ANNUAL ROADWAY LANDSCAPING CONTRACT
PALM BEACH COUNTY PROJECT NO. 2020053

All conditions and requirements for Bid submission, consideration, and award are contained in the Contract Documents, which are posted on the following Palm Beach County web site:

https://pbcvssp.co.palm-beach.fl.us/webapp/vssp/AltSelfService

To review the Contract documents for this project, go to the above URL and click on the project hyperlink. Contractors may then download and print the Contract documents (Plans, Specifications, Excel Proposal Forms, check list "with required forms" and any other related documents).

Hard copy documents will be available at the Department for a non-refundable service fee of **$35**. The Contractor shall contact Palm Beach County Roadway Production Division at (561) 684-4150 in advance to arrange for hard copies.

All Bids shall be submitted in accordance with the Bid documents, including but not limited to the General Provision Section 2 and accompanied by the documentation referenced therein.

The Pre-Bid Meeting will be held on Thursday, January 30, 2020 at 10:00 A.M., in the Third Floor Main Conference Room (3W-12) in the Palm Beach County Building at 2300 North Jog Road, West Palm Beach, Florida. Attendance at this pre-bid meeting is highly recommended and strongly encouraged. To the extent you are unable to attend the pre-bid meeting, you may request and obtain an audio recording of the meeting by contacting Palm Beach County Roadway Production Division at (561) 684-4150.

The Board of County Commissioners reserves the right to reject any or all Bids. By order of the Board of County Commissioners, Palm Beach County, Florida.

ATTEST:
SHARON R. BOCK, CLERK & COMPTROLLER

BOARD OF COUNTY COMMISSIONERS
PALM BEACH COUNTY, FLORIDA

DAVID RICKS, P.E., COUNTY ENGINEER

BY: Dave Kerner, Mayor

PUBLISH: PALM BEACH POST
SUNDAY: JANUARY 19, 2020
SUNDAY: JANUARY 26, 2020

CA

Ron DeSantis, Governor

Halsey Beshears, Secretary

STATE OF FLORIDA
DEPARTMENT OF BUSINESS AND PROFESSIONAL REGULATION

CONSTRUCTION INDUSTRY LICENSING BOARD

THE IRRIGATION SPECIALTY CONTRACTOR HEREIN IS CERTIFIED UNDER THE PROVISIONS OF CHAPTER 489, FLORIDA STATUTES

TYSON, BRIAN M

A CUT ABOVE LANDSCAPE AND MAINTENANCE, INC.
9180 NICKELS BLVD
BOYNTON BEACH FL 33436

LICENSE NUMBER: SCC131152097

EXPIRATION DATE: AUGUST 31, 2022

Always verify licenses online at MyFloridaLicense.com

Do not alter this document in any form.

This is your license. It is unlawful for anyone other than the licensee to use this document.

499

Office of the Mayor

Village of Palm Springs, Florida

Proclamation

WHEREAS, mediation is an informal and non-adversarial process in which a neutral and impartial third party aims to facilitate communication and negotiation between the disputing parties, and to help them reach a mutually acceptable and voluntary agreement, without prescribing what it should be; and

WHEREAS, mediation and other voluntary collaborative dispute resolutions; and

WHEREAS, mediators and other dispute resolution practitioners, through their concentrated expertise in helping parties find lasting solutions to complex problems, have continually demonstrated the value of the field of alternative dispute resolution; and

WHEREAS, mediation practices and skills are being applied in the workplace by leaders, managers and supervisors who have embraced the power and efficiency of open communication and collaborative problem solving; and

WHEREAS, mediation along with the principles and practices that it embodies can ~~be a~~ crucial tool for peacemaking between individuals, groups, units, neighborhoods, as well as governments and our region continues to be a leader in those efforts; and

WHEREAS, professional associations of conflict resolvers are promoting the peaceful and creative resolution of disputes; and

WHEREAS, the Village of Palm Springs extends its appreciation to the members of the Palm Beach County Bar Association and especially to the members of the Alternative Dispute Resolution Committee for its efforts to promote alternative conflict resolutions throughout Palm Beach County.

NOW, THEREFORE, I, BEV SMITH, Mayor of the Village of Palm Springs, Florida, do hereby proclaim the week of October 18 to 24, 2021, as:

"MEDIATION WEEK"

SEAL 1957 FLORIDA

In witness whereof I have hereunto set my hand and caused the seal of this city to be affixed

Mayor Beverly Smith

Date October 14, 2021

Village of Palm Springs

Executive Brief

AGENDA DATE: October 14, 2021

DEPARTMENT: Administration

ITEM 7.2: Florida City Government Month Proclamation - October 2021

SUMMARY:

FISCAL IMPACT:

ATTACHMENTS:
Florida City Government Month - Proclamation - 2021

Office of the Mayor

Village of Palm Springs, Florida

Proclamation

WHEREAS, city government is the government closest to most citizens, and the one with the most direct daily impact upon its residents; and

WHEREAS, city government is administered for and by its citizens, and is dependent upon public commitment to and understanding of its many responsibilities; and

WHEREAS, city government officials and employees share the responsibility to pass along their understanding of public services and their benefits; and

WHEREAS, Florida City Government Month is a very important time to recognize the important role played by city government in our lives; and

WHEREAS, city government month is a very important opportunity to spread the word to all citizens that they can shape and influence this branch of government which is closest to the people; and

WHEREAS, the Village encourages all citizens, city government officials, and employees to do everything possible to ensure that this month is recognized and celebrated accordingly.

NOW, THEREFORE, I, BEV SMITH, Mayor of the Village of Palm Springs do hereby proclaim the month of October 2021 as:

"City Government Month in Palm Springs"



In witness whereof I have hewnto set my hand and caused the seal of this city to be affixed

Mayor Beverly Smith

Date October 14, 2021

Village of Palm Springs

Executive Brief

AGENDA DATE: October 14, 2021

DEPARTMENT: Planning, Zoning & Building

ITEM 9.1: Ordinance No. 2021-06 - Land Use and Rezoning (Small-Scale) Amendments - Boatman's Hammock - 4445 Boatman Street and Vacant Lot on Todd Street ***(Quasi-Judicial Hearing)(Second Reading)(Postponed/Continued from August 26, 2021 Meeting)***

SUMMARY:

Mr. David Milledge, agent for K. Hovnanian SE Florida Division (Applicant), is requesting a small-scale land use plan amendment and rezoning on 5.44 acres (comprised of two unified parcels) located at 4445 Boatman Street and a Vacant Lot on Todd Street to facilitate a Multi-Family (townhome) development project.

The proposed small-scale land use and zoning changes would be from existing Palm Springs to new Palm Springs designations and the combined properties are less than 50 acres in size (5.44 acres total) and are planned for urban (residential) use:

Existing Village Future Land Use	Proposed Village Future Land Use	Existing Village Zoning	Proposed Village Zoning
Commercial	Medium-Density Residential (up to 10 du/ac)	Commercial General (CG)	Residential Multiple-Family (RM)

The Applicant is requesting that the property be designated with the Village's Medium-Density Residential future land use category (10 du/ac), which would allow up to a maximum intensity of fifty-four (54) residential dwelling units. The property was annexed into the Village of Palm Springs in 2016 and assigned as Village Commercial and Commercial General Future Land Use and zoning designations, respectively.

Note: The subject property is bound to the west by Commercial land use and to the north,

south, and east by Residential land uses [Palm Beach County Medium-Density Residential 5 (MR5) and Village Medium Density Residential land use].

The Applicant is concurrently requesting a site plan approval (SPR21-09) and three (3) waivers for Residential Planned Development (RPD) to construct fifty-four (54) two-story fee-simple townhomes within 9 buildings. The proposed community would have access via Boatman Street. Amenities are expected to include a swimming pool, tot lot, play knoll with fitness equipment, and an open field for lawn games.

The Applicant is requesting three (3) waivers for the proposed RPD site plan:

1. Relief from Sec. 34-164 - Allow 10% of the building facades to receive foundation planting areas rather than the minimum required 25% of the building facades facing a street
2. Relief from Sec. 34-1063(a)(1) - Allow one sidewalk along the street rather than the required sidewalks on both sides of the street
3. Relief from Sec. 34-766(1) - Allow 54 townhomes to be constructed on a 5.44-acre property rather than the 11.47 acres minimum parcel size required in the RM district

The proposed site plan with waivers is presented (within this item) for informational purposes only (no action required at this time). If the proposed small-scale land use map and rezoning amendments are approved on 2nd and final reading, the proposed site plan will be considered by the Village Council under a separate Resolution.

Note: The Village does not typically place conditions of approval on future land use map changes. The legislative decision as to the appropriateness of the land use, irrespective of potential development plans, is generally made with consideration on compatibility, impact on services, and need for the land use to fulfill Village redevelopment and growth objectives.

The proposed request was submitted through the PBC Intergovernmental Plan Amendment Review Committee (IPARC) for intergovernmental review and no comments were received.

Note: IPARC is designated to provide coordination of proposed plan amendments, cooperation between affected local government and service providers and provides opportunities to resolve potential disputes only within the plan amendment process.

The Planning and Zoning Board considered this application during their June 8, 2021, meeting and recommended approval. The Local Planning Agency (LPA) considered this item during their July 8, 2021 meeting and recommended approval.

The proposed ordinance was approved by the Village Council on July 8, 2021, and is being presented for consideration on the 2nd and final reading.

FISCAL IMPACT:

The proposed land use and rezoning amendments are not expected to provide a direct fiscal impact to the Village; however, they would facilitate development that will increase the Village's property valuation. Additionally, this project, if approved, would require various Village services that will result in increased expenditures to the Village.

This property is located within the Palm Springs Community Redevelopment Agency (CRA) - Lake Worth District and redevelopment would result in increased Tax Increment Funding (TIF) revenue.

ATTACHMENTS:

Proposed Ordinance No. 2021-06 - Comprehensive Plan (Small Scale) Land Use and Rezoning Amendment - 4445 Boatman Street and Vacant Lot on Boatman Street
Exhibit "A" Staff Report & Conditions of Approval (For Informational Purposes Only)
Applicant's Justification Statements
Proposed Site Plan, Landscape Plans, Building Elevations (For Informational Purposes Only)
Colored Site Plan and Renderings (For Informational Purposes Only)
Aerial, Location, FLU and Zoning Maps
LWH Advertisement - Ordinance No. 2021-06 on May 27, 2021 and June 17, 2021

ORDINANCE NO. 2021-06

(SMALL-SCALE LAND USE AMENDMENT & REZONING)

AN ORDINANCE OF THE VILLAGE OF PALM SPRINGS, FLORIDA, AMENDING THE COMPREHENSIVE LAND USE PLAN OF THE VILLAGE, PURSUANT TO THE "SMALL-SCALE" COMPREHENSIVE LAND USE AMENDMENT LAWS OF THE STATE OF FLORIDA, FOR A 5.44-ACRE PARCEL OF TWO (2) LOTS UNIFIED THAT IS CURRENTLY VACANT AND PLANNED FOR "MEDIUM DENSITY RESIDENTIAL" LOCATED ON TWO (2) UNIFIED PARCELS AT 4445 BOATMAN STREET AND A VACANT LOT ON TODD STREET, AND BEING MORE FULLY DESCRIBED IN EXHIBIT "A" ATTACHED HERETO, FROM A FUTURE LAND USE DESIGNATION OF "COMMERCIAL" TO A FUTURE LAND USE DESIGNATION OF "MEDIUM DENSITY RESIDENTIAL"; FURTHER CHANGING THE ZONING DESIGNATION FROM "COMMERCIAL GENERAL (CG)" DISTRICT TO PROVIDE FOR A ZONING DESIGNATION OF "RESIDENTIAL MULTIPLE-FAMILY (RM)" DISTRICT ON THE VILLAGE OF PALM SPRINGS OFFICIAL ZONING MAP; PROVIDING DIRECTIONS TO THE VILLAGE CLERK; PROVIDING FOR REPEAL OF ALL ORDINANCES IN CONFLICT; PROVIDING FOR SEVERABILITY; AND PROVIDING FOR AN EFFECTIVE DATE.

WHEREAS, the Village has determined the need to amend the land use and zoning designations for a parcel less than 50 acres in size (5.44 acres) that is currently vacant, and is currently proposed for "Medium Density Residential" use located at 4445 Boatman Street and a vacant lot on Todd Street; and

WHEREAS, the Village will initiate the small-scale land use and zoning changes from the existing Village of Palm Springs designations. The subject property is less than 50 acres in size; and

WHEREAS, there is a limitation of ten (10) dwelling units maximum on the property; and

WHEREAS, the Village has adopted a Comprehensive Plan pursuant to the Local Government Comprehensive Planning and Land Development Regulation Act (the "Act"); and

WHEREAS, the Village Council, sitting as the Village's Local Planning Agency (the "LPA") will consider this item on July 8, 2021, and their recommendation will be provided to the Council prior to consideration; and

WHEREAS, the Village Council has considered the request of Village Staff for small-scale land use amendments and re-zoning designation; and

WHEREAS, the Village Council has determined that granting the request for land use amendment and rezoning serves a valid public purpose.

NOW THEREFORE, BE IT ORDAINED BY THE VILLAGE COUNCIL OF THE VILLAGE OF PALM SPRINGS, FLORIDA:

Section 1. Findings. The Village Council finds the above statements are true and correct and serve as a basis for consideration of this ordinance.

Section 2. Future Land Use. The Future Land Use designation in the Village's Comprehensive Land Use Plan for the lands described herein, as more particularly designated in "**Exhibit A"** shall be established as "Medium Density Residential" land uses. Until such time as the appeal period expires, (if challenged, the new zoning is not effective until such time as the state land planning agency or the Administration Commission issues a final order of compliance) but not sooner than 31 days following the effective date of this ordinance, all development of said lands shall be subject to the requirement of the existing Village Land Use Plan, Zoning, and Subdivision regulations.

Section 3. Zoning. Concurrent with said small-scale land use amendment, the Land Development (Zoning) District designation on the official Village of Palm Springs Zoning Map shall be established as "Residential Multiple-Family (RM)", more particularly designated in **Exhibit "A"**, subject to the approval and appeal period stated in Section 2, above.

Section 4. Directions to the Village Clerk. The Village Clerk is hereby authorized and directed to forthwith cause the designation of the zoning of the property described in the attached "**Exhibit A",** as set forth in Section 3 of this Ordinance, on the official Village of Palm Springs Zoning Map.

Section 5. Repeal of Conflicting Ordinances. All Ordinances, Resolutions or parts of Ordinances and Resolutions in conflict herewith are hereby repealed.

Section 6. Severability. If any word, clause, sentence, paragraph, section, or part thereof contained in this Ordinance is declared to be unconstitutional, unenforceable, void or inoperative by a court of competent jurisdiction, such declaration shall not affect the validity of the remainder of this Ordinance.

Section 7. Effective Date. This Ordinance shall become effective immediately upon adoption.

Council Member _____, offered the foregoing Ordinance, and moved its adoption. The motion was seconded by Council Member _____, and upon being put to a vote, the vote was as follows:

	Aye	Nay	Absent
BEV SMITH, MAYOR	☐	☐	☐
GARY READY, VICE MAYOR	☐	☐	☐
DOUG GUNTHER, MAYOR PRO TEM	☐	☐	☐
PATTI WALLER, COUNCIL MEMBER	☐	☐	☐
JONI BRINKMAN, COUNCIL MEMBER	☐	☐	☐

The Mayor thereupon declared this Ordinance approved and adopted by the Village Council of the Village of Palm Springs, Florida, on second reading, this _____ day of _____, 2021.

VILLAGE OF PALM SPRINGS, FLORIDA

BY: _____
BEV SMITH, MAYOR

First Reading_____

Second Reading_____

ATTEST:
BY: _____
KIMBERLY M. WYNN, VILLAGE CLERK

REVIEWED FOR LEGAL FORM AND SUFFICIENCY

BY: _____
GLEN J. TORCIVIA, VILLAGE ATTORNEY

PLANNING, ZONING & BUILDING STAFF REPORT

SUBJECT: Small-Scale Land Use Amendment, Rezoning and Site Development Plan (Residential Planned Development Site Plan with Waivers) - Boatman Hammock – 4445 Boatman St & Vacant lot on Todd St.

Application Summary			
Applicant / Petitioner	K. Hovnanian SE Florida Division, LLC.	Submittal Date	3/1/2021
Reference Name	Boatman's Hammock	Case Number	SPR21-09
		Parcel Control No	70-42-44-24-00-000-5670 & 70-42-44-24-32-010-0160
Location	Assembly of the properties 4445 Boatman St & vacant lot on Todd St	Site Area	±5.44 acres
P&Z Bd Meeting	June 8, 2021	Local Planning Agency	July 8, 2021
Council Meeting (1st Reading)	July 8, 2021	Council Meeting (2nd Reading)	August 26, 2021
Requests			
Proposed Use(s)	Small-Scale Land Use Amendment of the Future Land Use Map to change the land use from Commercial to Medium Density Residential, concurrent with Rezoning from Commercial General (CG) to Residential Multiple-Family and a Planned Development Site Plan for construction of 54 two-story townhomes within nine buildings.		
Number of Buildings	9 Buildings (approximately 56,061 SF total)		
Waivers	1. Requesting a waiver from Sec.34-164 to allow 10% foundation planting instead of 25% minimum required of the linear feet of building façade facing a street. 2. Requesting a waiver from Sec.34-1063(a)(1) to allow for one sidewalk on a street or primary driveway interconnected with other pedestrian ways instead of sidewalks on both sides of the main street. 3. Requesting a waiver from Sec.34-766(1) to allow the construction of 54 residential dwelling units within 5.44 acres instead of 11.47 acres minimum required within the RM district.		

Parking			
Code	Required	Provided	Meets Requirement
Total Parking	Total of 169 parking needed 2.5/ DU + 25% for guest	189 spaces total 54 garages spaces 108 driveway spaces (2 per unit) 27 guest spaces	Yes

Setbacks			
Code	Required Minimum	Proposed	Meets Requirement
Front yard (South)	25'	31'	Yes
Rear yard (North)	20'	61'	Yes
Side yard (East & West)	20'	Residence 29' Pool cabana building 20'	Yes

Site Characteristics			
Existing Use	Vacant lot & Multi-Family Homes	Proposed Use	Residential Multiple Family
Existing Zoning	Commercial General (CG)	Proposed Zoning	Residential Multiple-Family (RM)
Existing Future Land Use	Commercial	Proposed Future Land Use	Medium Density Residential
Proposed Density	10 du/acres		

Surrounding Existing Land Use, Future Land Use, and Zoning			
Direction	Existing Use	Future Land Use	Zoning District
North	Multi-Family Residences	Medium Density Residential (MR5) - unincorporated	Multi-Family Residential (RM) - unincorporated
South	Nursing Home	Medium Density Residential	Residential Multi-Family (RM)
East	Single-Family Residences	Medium Density Residential	Residential Multi-Family (RM)
West	Commercial (auto repair and general businesses)	Commercial	Commercial General (CG)
Recommendation			
Planning, Zoning & Building Staff recommends conditional approval of the new residential Medium density planned development site plan, as depicted on the proposed site plan, based on consistency with the Village Comprehensive Plan, compatibility with surrounding uses and generally consistent with the CRA Lake Worth Road District objectives. Planning & Zoning Board considered the application during their regular meeting on June 8, 2021 and recommended approval - motion was carried 5-0.			



I. Site History

- Ordinance 2014-31: Annexation

The property located at Todd Street, was voluntarily annexed into the Village of Palm Springs on December 11, 2014 and concurrently designated with the Village's Future Land Use and Land Development District of Commercial and Commercial General, respectively.

- Resolution 2014-54: Annexation

The property located at 4445 Boatman Street, was annexed into the Village of Palm Springs via interlocal agreement with Palm Beach County, the agreement was executed by Palm Beach County on January 13, 2015, and the Village Council approved the annexation on December 11, 2014.

II. Comprehensive Plan Consistency

- The subject property's Future Land Use designation and Zoning are Commercial and Commercial General (CG), respectively. The proposed small-scale land use amendment is to assign the Village's Future Land Use of Medium Density Residential. Concurrently, rezoning from the CG district to Residential Multiple-Family is requested, and is supported with a planned development site plan. All requests are consistent with goals, objectives and policies of the Village's Comprehensive Plan.

III. Waivers Requested

The applicant is seeking the following waivers:

Waiver #1: The applicant is requesting a waiver relief from Sec.34-164 to allow 10% foundation planting instead of 25% minimum required of the linear feet of building façade facing a street.

Waiver #2: The applicant is requesting a waiver relief from Sec.34-1063(a)(1) to allow for one sidewalk on a street or primary driveway interconnected with other pedestrian ways instead of sidewalks on both sides of the main street.

Waiver #3: The applicant is requesting a waiver relief from Sec.34-766(1) to allow the construction of 54 residential dwelling units within 5.44 acres instead of 11.47 acres minimum required within the RM district.

The applicant's full justification to the waivers is attached hereto.

a. <u>The request is in harmony with and is consistent with the purpose and intent of the Village's Comprehensive Plan and Land Development Code and that such waiver will not be injurious to the area involved or otherwise detrimental to the public health, safety, and welfare.</u>

Waiver 1: The request in-line with the Village's Comprehensive Plan and Land Development Code. The waiver request is not detrimental to the public health, safety, and `welfare of the area. Increased plantings in the rear of the building increase the residential security and provides for the natural landscaping typical of a foundation planting.

Waiver 2: The waiver request is in harmony and consistent with the intent and purpose of the Village's Comprehensive Plan and Land Development Code. The waiver will not be injurious to the area involved as marked crosswalks are provided to facilitate interconnectivity as well as traffic calming measures to ensure safe movement across the streets. This includes pedestrian crossing signage, stop bars, and stop signs.

Waiver 3: The request is in harmony with the intent of the Village's Comprehensive Plan and Land Development Code. The reduction of lot area size will not impact the public health and safety, and it does not serve to hurt the area. Increased density and smaller lot areas increase the residential economy and provide more of a boost to the surrounding local development.

b. The request results from innovative design in which other minimum standards are exceeded.

Waiver 1: Steps were taken in the design process to provide for excess open space and common amenities because of the requested decrease in foundation plantings. Additionally, the increase rear plantings provide an increase in screening for the rear of the property and is visually incorporated into the landscape of the townhomes that have a rear boundary line abutting a common amenity.

Waiver 2: With the reduction of sidewalk to one side of the road, the site can provide open space and amenity space in excess of the minimum standard. This includes backyards as well as the open space play areas and grassy knoll. The addition of a second sidewalk would reduce the existing plantings and reduce the total open space square footage on site. Inline with the Village's Land Development Code, the proposed sidewalk has been incorporated into the surrounding amenities.

Waiver 3: The waiver is a result of a design that increases density efficiency while maintaining an exceeding amount of open and amenity space. The design allows the site to maintain an extremely large amount of space while maintaining the efficiency of the townhome sites.

c. The request demonstrates that granting of the waiver will result in preservation of valuable natural resources, including drainage and recharge areas, natural areas, etc.

Waiver 1: The waiver request provides for an increase in open space, drainage, and community amenities. Increased foundation planting requirements would severely impact the parking availability at each town home and require excess parking to provide onsite in areas that are currently open space.

Waiver 2: The requested waiver will result in the preservation of natural areas and drainage areas by not increasing the impervious surface area required in providing sidewalks on both sides of the road. If provided, the additional sidewalk would move the buildings into the existing amenity and open space which in turn would decrease the space for activities provided for the residents.

Waiver 3: The granting of this waiver request allows the proposed natural areas and drainage areas to remain at the current size, which is more than the require code. Increased lot area would result in an over reduction of community amenities.

d. The request demonstrates public benefits to be derived, including but not limited to such benefits as dedication of rights-of-way, extensions of pedestrian linkages outside of the project boundaries, preservation of open areas and use of desirable architectural, building, and site design techniques.

Waiver 1: The public benefits from the request of the waiver through the visual benefit of increased rear townhome plantings as well as through the preservation of open space through reduced onsite parking

Waiver 2: The request provides a similar public benefit to the code required two sidewalks minimum, while also preserving green space on site and reducing impervious surface area. The site design specifically provides walkability and ease of access by connecting all the proposed buildings and amenities. The sidewalk connects to the existing sidewalk along Boatman Street and extends the pedestrian linkages of the site beyond the project boundaries.

Waiver 3: There is ample public benefit to be derived from the granting of the waiver. The reduced lot area means

that the homes are more accessible in price range. The open space on site is also preserved as previously mentioned. The design of the site is functionally the same as single large family detached homes but instead places the open and amenity space in community areas for public benefit rather than in private backyards.

e. The request provides sufficient screening and buffering to screen adjacent uses from adverse impacts caused by the granting of a waiver.

Waiver 1: Not applicable to this waiver. However, it is important to note that the increased backyard plantings do provide an increase in screening to the rear of each townhome.

Waiver 2: This request does not impact screening and buffering.

Waiver 3: The potential adverse impacts of smaller lot areas on adjacent properties have be addressed in the opaque landscape buffer that provides little to no visibility.

f. Economic issues may not be used to justify waivers.

Waiver 1, 2, 3 & 4: Economic issues are not used as a justification for these requests. The reduced price of unit based on the lot size is a byproduct of a design that had an original intent to create large open and amenity space on site.

g. The request is compatible with existing and potential land uses adjacent to the development site.

Waiver 1: The waiver does not affect the already compatible existing and potential land uses adjacent to the development site. The request for a reduction in foundation waiver plantings only impacts the interior of the site.

Waiver 2: The waiver is primarily regarding the interior of the site and does not have a significant impact on the adjacent land uses. The only aspect of the sidewalk that might affect adjacent land uses is the extension and connection to the existing sidewalk along Boatman. However, this connection only serves to increase the potential development and connectivity and does not negatively impact the parcels it is adjacent to.

Waiver 3: The increased density that would result from the requested waiver is compatible with the surrounding land uses. With primarily commercial on the western boundary and residential on the east, a Multi-Family lot development provides a transition zone between the two incompatible land uses.

Staff supports the applicant's request based on the intent of the applicant to maximize the utilization of the land reducing the amount of impervious surface and consistency with the Village Comprehensive Plan allowing for innovative designs. Although the acreage is below the minimum required for 54 residential dwelling units, the property can still be developed in the proposed manner without any adverse impact to the surrounding properties.

IV. Neighborhood Compatibility

1) The proposed project is located east of Military Trail, at the terminus of Boatman Drive, Todd Street and Clemens Street.
2) Surrounding properties are a mix of residential and commercial uses.
3) The property is located within the Lake Worth Road District CRA.
4) The Village Center is located within 1.5 miles.
5) A mix of different uses like general retails, restaurants, grocery supermarket and professional offices are located on the proximities along Military Trail.
6) Available public transportation on Military Trail is existing within less than ¼ mile from the property.

V. Consistency with Palm Springs Lake Worth Road District CRA

1. Detailed Description of the Proposal's Consistency with Five (5) Key Goals of CRA

I. Improving Utilities and Infrastructure

The development will utilize the existing utilities such as stormwater and wastewater. Additional infrastructure provided on site will enhance the infrastructure facilities and services of the area.

II. Expanding Job Development and Economic Growth

The development proposal does not directly fulfill the CRA's key goal to expand job development and economic growth, but it will provide additional residents to supply the workforce and economy of the Village.

III. Enhancing Public Safety

The development proposal will enhance public safety, as the subject site is currently vacant and an ideal area for vagrancy, illegal dumping and other criminal activities to occur due to its location at the terminus of three streets. The development of buffers, fencing, and additional landscape screening around the perimeter of the subject site will significantly decrease the chance of any crime occurring on this property in the future.

IV. Increasing and Maintaining Workforce Housing

The proposed plan provides a multi-family townhomes housing option to an area that is predominantly a single family detached housing area. Single family residences are typically Boatman Hammock more expensive than multifamily units. This will provide an alternative option the existing housing conditions of the surrounding area.

V. Advancing the Partnership with Palm Beach County

The development proposal will advance the partnership with Palm Beach County due to its location within the Kenwood Estates Countywide Community Revitalization Area (CCRT) neighborhood core area. The Countywide Community Revitalization Area's within Palm Beach County are overseen by the County's Office of Community Revitalization (OCR). This request will require the continued coordination with the County and surrounding residents to ensure the communities needs are met.

2. Proposal's effect on existing conditions (identified in CRA Community Redevelopment Plan) in the CRA District.

- The plan provides an extension of what is currently an ineffective roadway in Boatman Street. Rather than a short off shoot of Military Trail, it now extends into a residential development.
- The plan encourages good planning policy in site layout by combining two parcels and providing accessibility through an underutilized road. The lot, as it sits, is somewhat trapped between an inaccessible residential area, a canal, and a commercial boundary. The development creates an adequate and accessible site.
- The proposed plan invites modern planning strategies to the surrounding area by establishing transition zoning from commercial to residential. This is beneficial to the outdated building density patterns as it provides an example of a increased density Multi-Family residential development that functionally blends in and does not increase the inadequate existing patterns.

3. Proposal's ability to assist in achieving strategies and objectives of the Palm Springs CRA.

The proposed site stands to improve the Palm Springs area and assist the CRA in their objects and strategies. This will be done through good planning techniques, adequate zoning and improvement upon vacant or blighted properties. As discussed, the plan meets the goals and directives of the CRA. The applicant is excited to bring this development to the Palm Springs and revitalize the area through a residential boost in economy.

VI. Regulatory Issues

- The site plan generally conforms to the property development standards of the Residential Planned Development.
  1) Proposed project plan generally meets required site development regulations.
  2) A Medium-Density Residential Land Use designation and rezoning to RM, shall be approved prior to consideration of the proposed Site Plan.
  3) The applicant is responsible to acquire all applicable permits from all regulatory agencies with jurisdiction over the project site, including but not limited to Palm Beach County, LWDD and the Village of Palm Springs.
  4) Civil/Utility plans shall be approved by the Village's Engineer.
  5) A 32' wide exclusive easement shall be dedicated to LWDD.
  6) The project is located within the Airport Land Use Noise Zone (ALUNZ) for Palm Beach County Park Airport.
  7) The proposed development is located within the Airport Regulated area Zone 1 for PBIA and Lantana Airport
  8) Proposed Site Plan meets the Traffic Performance Standards of Palm Beach County.
  9) Property shall be platted.

VII. Environmental Issues:

There are no environmental (wetlands, floodplains, etc.) issues identified.

VIII. Community Outreach/ Notification

- The subject property was posted on May 28, 2021.
- Public Notification letters were mailed to all property owners within 300 feet radius of subject property on May 21, 2021.
- Legal advertisement was published in the paper on May 27, 2021 and will be re-advertise on June 3, 2021 and July 1, 2021.
- Staff has not received any inquiries or comments as a result of the notices.

IX. Proposed Development Plan Details

The petitioner's development plans dated received on March 1, 2021 depicts the following:

- Application for Small-Scale Land Use Amendment, Rezoning and Residential Planned Development Site Plan approval with 3 waivers for the construction of 54 two-story fee-simply townhomes within 9 buildings.
  1. Site Plan dated received March 1, 2021 revised and resubmitted on June 18, 2021.
  2. Landscape plans dated received March 1, 2021 revised and resubmitted on April 16, 2021.
  3. Engineering plans dated received March 1, 2021 revised and resubmitted on April 16, 2021.
  4. Architectural plans dated received March 1, 2021 revised and resubmitted on April 16, 2021.
  5. Photometric plan dated received March 1, 2021.
  6. Boundary survey.
  7. Traffic study.
  8. Project narrative and Justification Statement of proposed use.
  9. Drainage calculations.
  10. Common amenities detail plan.
  11. Rendering.
  12. Colored site plan.

X Recommendation

The property is located on 2 parcels that make up the site currently within the Commercial General zoning district and have a Commercial Future Land Use designation. The applicant is proposing to rezone to Residential Multiple-Family concurrently amending the Future Land Use to Medium Density Residential and proposing the development of the 5.44 acres parcel with the construction of 54 two-story fee-simple townhomes. The site is primarily accessed from S Military Trail the major arterial and three separate minor arterials: Clemens Street, Todd Street and Boatman Street, being Boatman Street, the main access point to the site. The townhomes will be three-bedroom homes with

a one car garage and a driveway with space for two cars. The buildings will be configured with nine (9) two-story townhome structures and each building with 6 attached units. The community will have one access driveways via the existing Boatman Street right-of-way. Amenities include a tot lot with playground equipment, a swimming pool, walking trail, a playground knoll, and an open grass play area for lawn games.

Planning, Zoning & Building Staff has conducted a review of the application and found the proposed Residential Planned Development Site Plan to be consistent with goal, objectives and policies of the Village's Comprehensive Plan. The proposed project is generally consistent with the Land Development and zoning regulations and all other portions of the code. The proposed residential Multi-Family project provides internal sidewalk connections between the common amenities (tot lot with playground equipment, the swimming pool, the walking trail and grass area for lawn games) and the buildings, to facilitate pedestrian circulation and safety. The proposed project provides open spaces creating common areas for passive/leisure activities. The proposed use does not significantly reduce light and air on adjacent properties and would not be a deterrent to surrounding properties. The new project does not negatively impact natural systems.

In addition, the project exceeds some of the minimum requirement for a Planned Development as shown on the table below:

Land Development Regulations	Required	Proposed
35 percent of the gross land area for open space	82,938 sf (1.90 acres)	120,586 sf (2.76 acres) (50%)
40% maximum lot coverage	94,786 sf	56,061 sf (23%)
Parking spaces (2.5 / unit + 25% for guest)	169 spaces	189 spaces

Planning, Zoning & Building Staff recommends approval of the Small-Scale Land Use Amendment and Rezoning. PZ&B Staff recommends conditional approval of the Residential Planned Development Site Plan with 3 waivers, for the construction of 54 two-story fee simple townhomes subject to the following forty-seven (47) conditions below, a suggestion for a voluntary monetary contribution requested by the School District to mitigate school impacts, and a recommendation from the Planning & Zoning Board:

1. Build out date December 31, 2023.
2. Notice of Actual Construction or Alteration form shall be filled out (form 7460) to determine if the project will be a hazard to air navigation, according to PBIA, and a final determination letter shall be provided to the Village at time of permitting.
3. Per Palm Beach Department of Airports request, each perspective tenant and/or purchaser within the ALUNZ must be informed that occasionally will observe aircraft arriving at and departing from Palm Beach County Park Airport, and shall be disclosed prior to a real estate contract. The condition will become inclusive in the contract's conditions and shall be noted in subsequent contracts. Condition shall be added into the HOA covenants/ deed restrictions document and provided to the Village at time of Platting.
4. The final plat shall be approved by the Village Council prior to issuance of a building permit.
5. The Final Plat shall be approved and recorded prior to any sales.
6. The common amenities (tot lot with playground equipment, the swimming pool, walking trail, open grass area for lawn games and the playground knoll area) shall be completed in their entirety, open for use and accessible to the residents, prior to the issuance of the 21st Certificate of Occupancy (40% of the project)
7. The dedication of the 32-foot exclusive easement to LWDD shall be executed at time of platting.
8. The access driveway that connects Boatman Street with the property located 3716 S Military Trail (Bank of America property) shall be closed by the Applicant with a Village Right-of-Way permit to prevent cut-through traffic to Lakewood Road. The closure of this driveway shall be completed prior to the issuance of the 21st Certificate of Occupancy. The Applicant shall prevent construction vehicles from utilizing this driveway access prior to its closure. The applicant/owner is responsible for the improvement (streetscape

planting with swale) within the Boatman Street public right-of way, plans shall be submitted to the Planning, Zoning and Building Department for review and approval.

9. Improvements along Boatman Street right-of-way up to South Military Trail (streetscape planting, irrigation, and sidewalk) shall be completed prior to the issuance of the 21st Certificate of Occupancy. Plans shall be submitted to through the Planning, Zoning and Building Department for review and administrative approval and permitting.
10. Palm Beach County "Digital Inclusion infrastructure" (broadband antenna and related facilities) shall be accommodated on the property (if location is determined to be desirable for broadband coverage by Palm Beach County or School District of Palm Beach County), prior to the 21st Certificate of Occupancy, and property owner shall voluntarily serve as a program partner (easement/agreement, electric) through the life of the program.
11. A Utility/Civil Plan shall be approved by the Village Engineer at time of permitting.
12. No parking shall be allowed within the driveway extensions along buildings 5, 6 and 7 at any time.
13. Garages shall be used for parking only. The HOA covenants/ deed restrictions shall include prohibit the conversion of garages into habitable spaces or used as storage.
14. The HOA shall be responsible for all landscape maintenance, including mowing of private yards (this shall be included in the HOA documents).
15. The HOA covenants/deed restrictions shall prohibit the installation of sheds, the parking of boats, commercial vehicles, or recreational vehicles anywhere inside the property. Parking of oversized vehicles that do not fit within the typical parking stall (9'x18.5') shall also be prohibited.
16. Any/all legal instrument recorded shall include deed restrictions on the lots as follows:
    a. Garages shall remain as garages and shall not be converted to habitable space.
    b. Only two vehicles shall be parked in the driveways overnight and shall not be permitted to park on or block any sidewalk or drive isles.
    c. There shall be no screen enclosures or additions permitted including screening the rear patios.
    d. There shall be no pools permitted.
    e. No additional impervious or semi-impervious surface.
17. The construction dumpster shall be only provided by Waste Pro USA who is under franchise Agreement with the Village.
18. Conditions of approval stated in Village Engineer's letter (Engenuity Group, Inc.) issued on March 29, 2021 shall be satisfied at time of Civil/Utility application review.
19. No parking shall be allowed, under any circumstances, along the drive isle. Residents and guest parking shall only occur within designated parking stalls, private driveways and private garages.
20. At time of permitting, provide value of construction and number of construction jobs created to be included in CRA annual report.
21. Any existing or proposed utility box/cabinet shall be screened from view, Staff recommends wrapping the cabinets/box with a match design accordingly with the existing/proposed location.
22. Any existing or proposed utility easement shall not overlap more than 5' the landscape buffer.
23. The property owner shall post a notice of annual boundary school assignments for students from this development. The district will provide an 11' x 17' sign to be posted in a clear and visible location in all sales offices and models with the following:

"NOTICE TO HOMEBUYERS/TENANTS"

"school age children may not be assigned to the public school closest to their residences. School Board policies regarding overcrowding or other boundary policy decisions affect school boundaries. Please contact the Palm Beach School District Boundary Office at (561)434-8100 for the most current school assignment(s)".

24. Photometric plans shall be approved by the Planning, Zoning and Building Department at time of permitting.
25. Landscaped areas shall be irrigated including but not limited to buffer, islands, planter boxes, etc.
26. The mail pickup and delivery system shall be approved by the United States Postal Service.
27. Irrigation plans shall be provided at the time of permitting. Non-potable water shall be used for the irrigation system per Village code.
28. Provide permits from all applicable permitting agencies, including but not limited to, Lake Worth Drainage District, PBC Fire Department and Village of Palm Springs at the time of permitting.
29. The property owner shall register an Agent of Record, prior to issuance of a permit, to establish a contact

person responsible for compliance with this Development Order, including site plan/landscape plan details and conditions of approval.

30. A copy of the NPDES Notice of Intent for Generic Permit shall be submitted to the PZB Department at time of permitting.
31. A stabilized surface shall be provided at all time during construction for access by emergency vehicles.
32. All mechanical equipment's and above-ground infrastructure shall be screened from view.
33. The Applicant may be required to undertake additional security measures, based on the number of complaints or calls for service for incidents at the premises, as determined by the Police Chief. Such additional security measures, as approved by the Police Chief, may include increased on-site security at the operator's sole expense.
34. Verify utility and easement locations to ensure that there are no conflicts with landscaping, revise at time of permitting as needed.
35. All electric utilities shall be underground.
36. A pre-construction meeting shall be scheduled with the Village Planning, Zoning & Building Development Department prior to commencement of any construction activity. Permits are required from the Planning, Zoning & Building Department prior to commencing any construction or renovation. The project shall be constructed in accordance with the FBC edition in effect at the time of permitting.
37. A silt barrier shall be installed around the perimeter of the property (within the affected area for the site improvements and new building construction) prior to commencement of any site work or construction activity, and a track pad shall be installed at the construction entrance(s), both of which shall remain through substantial completion.
38. Any sidewalk broken or damaged during construction shall be replaced by the contractor prior to CO.
39. The Landscaping shall be certified by the Landscape Architect upon completion and prior to Certificate of Occupancy/Certificate of Completion of each improvement area.
40. Absolutely no occupancy, other than construction personnel, is permitted prior to TCO/CO.
41. Photometrics must be certified by an engineer prior to CO.
42. The civil engineer of record shall certify the site construction prior to Certificate of Occupancy.
43. The applicant may be required to provide a resident inspector for structural elements such as concrete pours in accordance with Section 109.1.3 FBC 2010 and F.S. 553.791. Determination shall be made at time of pre-construction conference with Planning Zoning and Building Director.
44. The General Contractor shall be on site during any and all construction activity in accordance with FS 489.1195.
45. The project shall receive approval from all Authorities Having Jurisdiction and submit copies of approvals to the Village of Palm Springs.
46. At the time of CO, the petitioner shall provide the Planning, Zoning and Building Department with electronic copies of as-builts.

Note: If the Village Council recommends approval of the recommendation made by the Planning & Zoning Board (below) then this will become a condition number 47.

- A concrete wall shall be provided around the entire perimeter as part of the landscape buffer.

47. The School District has requested the Applicant offer a voluntary commitment to make a contribution of $72,082.00 to the School District of Palm Beach County prior to issuance of a building permit, based on School Capacity Availability Determination letter issued on March 11, 2021.

Cotleur & Hearing

LC26000535

LAND PLANNING + LANDSCAPE ARCHITECTURE + TRANSPORTATION

1934 COMMERCE LANE • SUITE 1
JUPITER, FLORIDA • 33458
561.747.6336 561.747.1377

Boatman's Hammock Townhomes

Land Use Plan Amendment

Land Use Analysis

March 19, 2021

Introduction

On behalf of John Marshall and WPB Partners, LLC, the applicant is requesting to modify the future land use designation of the Boatman Hammock property located in the municipality of the Village of Palm Springs. Approval of this request would change the future land use designation from Commercial (COM) to Medium Density Residential (MD).

The applicant is proposing 54 fee-simple townhomes and companion waiver requests, rezoning to RM and a future land use amendment to Medium Density Residential. The parcel numbers are 70-42-44-24-00-000-5670, 70-42-44-24-32-010-0160.

Existing Uses

The proposed change in Future Land Use designation from COM to MD is suitable and appropriate for the subject site. The site is appropriately sized for a small planned residential development. It has no primary frontage on any major arterial road and provides for adequate setbacks and parking.

The site will provide residential townhome housing for the surrounding community and promote good planning concepts by buffering the highest and most intense commercial uses along the Military Trail corridor for the single-family residential areas to the east.

In addition, the proposed future land use amendment is partial infill and vacant development and shall not exceed the natural or manmade constraints of the area. The subject site has the available facilities and services for the proposed development.

The adjacent development is described in the chart below:

BOUNDARY	EXISTING USE	LAND USE	ZONING
NORTH	Single Family Res.	MR-5	RM
SOUTH	Nursing Home	MD	RM

WEST	Auto Sales /Department Store	COM	CG
EAST	Multi Family Res	MD	RM

Note the nursing home to the south of the proposed site as another form of a less intense Medium Density Residential use which is buffering the Single Family Residential to the east from the commercial corridor on South Military Trail.

LAKE WORTH ROAD SUB-COMMUNITY REDEVELOPMENT

The subject site is located in the Lake Worth Road District of the approved 2019 Community Redevelopment Plan. The proposed project is consistent with the following goals of the Community Redevelopment Agency:

Provide and enhance viable redevelopment opportunities to discourage further westward expansion.
The plan is proposing to develop a vacant parcel and redevelop am isolated Single-Family Residence on the east side of Military Trail. It does not promote any growth westward and is instead adding to the residential value of the local area within the village.

Provide a variety of housing options for persons and families of all income ranges.
The proposed plan provides a multi-family townhomes housing option to an area that is predominantly a single family detached housing area. Single family residences are typically more expensive than multifamily units. This will provide an alternative option the existing housing conditions of the surrounding area.

Support existing Comprehensive Plan and Managed Growth Tier System provisions for sustainable urban development.
The proposed plan is consistent and supports the Comprehensive Plan, as described in this analysis, and Managed Growth Tier System Provisions for sustainable urban development.

Fully utilize and enhance existing infrastructure facilities and services.
The development will utilize the existing utilities such as stormwater and waster water. Additional infrastructure provided on site will enhance the infrastructure facilities and services of the area.

Attract new residents, businesses, and services to improve the quality of life for the current population in the URA.
The construction of 54 brand new multifamily townhomes will bring new residents and stimulate the local economy, especially for the current population of the URA. Providing an alternative, lower cost, housing option allows potential residents, who may not have been able to move previously, to become a part of the local community.

INFRASTRUCTURE/PUBLIC SERVICES

The proposed site will propose new wastewater and stormwater connections to existing Village of Palm Springs infrastructure for management on site. This will add additional infrastructure to an area that previously did not have any. The site does not offer any public services as it is a private residential development however its new infrastructure will be incorporated into the existing village services.

Potable water is provided off site by Village of Palm Springs. A letter of service confirmation has been provided within the resubmittal package.

NATURAL RESOURCES

Existing Vegetation

Most of the pervious area is covered with dense trees and vegetation. The existing vegetation onsite is a variety of planted trees, including native and non-native species alike. The parcel with the single-family home does not have any significant existing landscape, with only a singular palm tree located on the main front and several smaller and/or invasive trees and shrubs dotted around the site.

The soils on the parcel are a mixture of Myakka Fine Sand and Basinger Fine Sand and the site is not located in a wellfield zone.

The site is located within Flood Zone X and does not have any wetlands located within the boundaries.

OPEN SPACE

The development of the lot will provide increased usable open space for the residents of the community. Additional open space has been provided on site per the Village's regulation on open space requirements in planned unit developments. A minimum of 35% of the site is to be provided as open space. The plan proposes an open space count of 51.36% with 42.71% of that space serving as recreational area. The open space has been provided more than the requirement and contributes to the overall green space of the area.

AFFORDABLE HOUSING

The townhomes will be less expensive than the traditional single-family home. The surround area is dominated by single family residential with little to no housing diversity. This development provides a new, modern, and affordable form of alternate living space for those in and around the community.

LAND USE COMPATIBILITY

The parcels to the north, south and east are medium density (MD) residential. Single family residential neighborhoods are located on the North and East boundary. A similar transition project exists to the south in the form of the Signature HealthCARE of Palm-Beach nursing home. The parcels along the western boundary are general commercial (CG) and form the corridor of differing retail uses that exist along South Military Trail.

The residential transition parcels and the amendment to Medium Density Residential (MD) for the subject site will act as transition and buffer between the six (6) lane road (Military Trail) and the residential uses in the area. The existing nursing home to the south, zoned RM, acts as an example of a transition property, buffering the residential communities to the east.

INTERGOVERNMENTAL COORDINATION

In line with intent of the URA, the proposed plan has satisfied the goals and expectations as highlighted by Palm Beach County through their promotion of the URA districts. The property is in the Village of Palm Springs and the project will be submitted through that local government body. The county has been made aware of the proposed development for transparency and coordination.

CONSISTENCY WITH ADOPTED GOALS, OBJECTIVES AND POLICES

***GOAL:* "A residential oriented community with an appropriate mix of land uses compatible with living styles and conditions established within the Village."**

The proposed plan is consistent with the goal of the comprehensive plan to promote residential oriented communities and different living styles and conditions in the Village. The site Townhomes are unique to the area and provide additional housing diversity. It also creates an additional multi-family residential area behind the commercial corridor that exists on South Military Trail. Given the stark transition from commercial to single family residential, Multi-family provides an appropriate buffer and land use that is inline with the existing conditions of the area.

***Policy P.1:* The Urban Redevelopment Area (URA) – The purpose of the URA is to focus on redevelopment and infill efforts by promoting economic growth, improving the present conditions of infrastructure, investment, and reinvestment in the area, and discouraging urban sprawl by directing development where resources exist.**

The planned residential development is located within the Lake Worth Road Urban Redevelopment Area. It will redevelop an existing isolated residential lot and a vacant parcel of land. This is an investment in an area that already has existing infrastructure and support for development. The project will not encourage any sprawl as it develops an essentially undeveloped parcel of land in the URA and does not develop any land west of the Village. The project represents a large investment in housing diversity in the area and will promote economic growth through the increase in local residential spending power.

***Policy P.2:* Higher development intensity/density should be encouraged in the URA where appropriate.**

Multi-family residential is inherently denser and more intense than a single-family residential use. The 54 proposed townhome developments are being planned as 9.93 DU/AC with a maximum density of 10 units per acre based upon the future land use amendment request to medium density. This is consistent with the policy as the plan is proposing increased density through a residential development located in a transitionary district area.

Objective A: **Maintain Palm Springs primarily as a residential area consistent with the densities established in the Comprehensive Development Plan and Future Land Use Map, and which offers a variety of housing types that follow locational and design parameters to guide residential development and redevelopment decisions, by utilizing innovative land development concepts such as Planned Unit Developments and mixed-use concepts.**

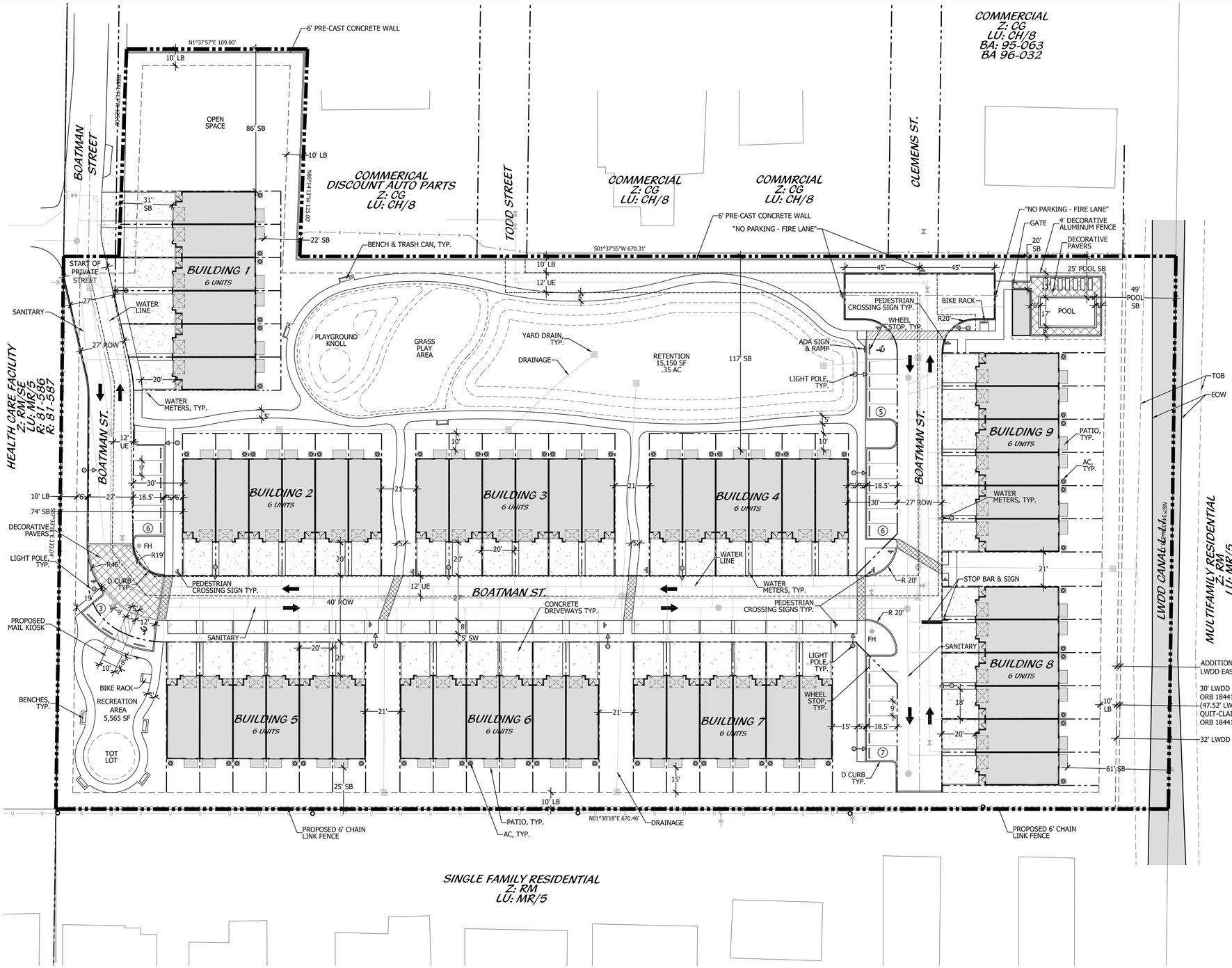
The proposed project is a planned unit development that offers multi-family housing. The planned unit development brings a new housing type to the area through fee-simple townhomes. The development focused on primarily incorporating the surrounding residential into the commercial corridor that exists along the six-lane military trail arterial. The parcel was originally established as a commercial parcel in the comprehensive development plan. The concurrent Future Land Use Amendment to change the parcel to Residential Medium lowers the potential intensity but creates a transitionary residential area that is in line with the objective of the Village to maintain the primarily residential nature of the area.

Policy A.3: **Promote the location of multi-family residential development in areas with direct access to collector or arterial streets. The location of multi-family residential development shall be consistent with the high and medium density residential areas established on the Future Land Use Map.**

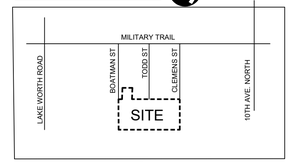
The proposed site is located directly off the 6-lane major arterial (South Military Trail) connected by the Boatman Street minor linkage. There is an existing left turn lane that provides the access for Southbound traffic, although there is expected to be no significant increase in traffic. A medium density designation fits the parcel well as it is consistent with the policy of encouraging increased density residential areas near and off major arterials.

Policy A.5: **Separate and buffer intense multi-family residential and cluster development areas from single family residences through the landscape regulations in the Village of Palm Springs' Comprehensive Zoning Ordinance.**

A landscape buffer compliant with the landscape regulations for planned unit developments in medium density residential districts has been provided on all boundaries. The vegetation will provide a visibility barrier to the residential developments to the east and north as well as the nursing center and commercial areas to the south and west respectively.



LOCATION MAP



SITE DATA

NAME OF PROJECT	BOATMAN HAMMOCK
PROPERTY CONTROL NUMBER	70-42-44-24-00-000-5670 70-42-44-24-32-010-0160
FEMA FLOOD ZONE	X500
TRAFFIC ANALYSIS ZONE	325
EXISTING LAND USE DESIGNATION	COMMERCIAL
EXISTING ZONING DISTRICT	CG- COMMERCIAL GENERAL
FUTURE LAND USE DESIGNATION	MEDIUM DENSITY RESIDENTIAL
PROPOSED ZONING	RM- RESIDENTIAL MUTIPLE FAMILY
OVERLAY DISTRICT	N/A
MAXIMUM BUILDING HEIGHT	27' - 3 5/16"
NUMBER OF STORIES	2
NUMBER OF BUILDINGS	9
TOTAL SITE AREA	**5.44 AC** **236,883.01 SF**

BUILDING DATA

NUMBER OF MULTIFAMILY UNITS	54
OWNERSHIP	FEE SIMPLE
PROJECT DENSITY	9.93 DU/AC

LAND USE

	SF	AC	%
BUILDING LOT COVERAGE	56,047	1.29	23.66%
VEHICULAR USE AREA	59,573	1.37	25.15%
OPEN SPACE	121,263	2.78	51.19%
TOTAL	**236,883**	**5.44**	**100.00%**

OPEN SPACE	MIN	PROV
	35%	51.19%
	82,909.00	121,263.27

RECREATION	MIN	PROV
	20% of OS	40.46%
	16,581.80	33,544.95

LOT COVERAGE

IMPERVIOUS AREA	SF	AC	%
BUILDING LOT COVERAGE	56,047	1.29	23.66%
VEHICULAR USE AREA	59,573	1.37	25.15%
SIDEWALKS & HARDSCAPE	11,067	0.25	4.67%
POOL & SPA	558	0.01	0.24%
TOTAL IMPERVIOUS AREA	**127,245**	**2.92**	**53.72%**
PERVIOUS AREA	**SF**	**AC**	**%**
GREEN SPACE	94,488	2.17	39.89%
RETENTION	15,150	0.35	6.40%
TOTAL PERVIOUS AREA	**109,638**	**2.52**	**46.28%**
TOTAL SITE AREA	**236,883**	**5.44**	**100.00%**

PARKING DATA

	REQ	PROV
RESIDENTIAL (2.5 PER UNIT)	135	
GARAGE		54
DRIVEWAY (TANDEM)		108
GUEST 25% (AT-GRADE)	34	27
TOTAL	**169**	**189**

PEDESTRIAN AMENITIES	REQ	PROV
BENCH	5	7
TRASH CAN	2	3
BIKE RACK	2	2

LEGEND

ADA	DISABLED
EX.	EXISTING
LB	LANDSCAPE BUFFER
R	RADIUS
SB	SETBACK
TYP	TYPICAL
ROW	RIGHT OF WAY
TOB	TOP OF BANK
EOW	EDGE OF WATER

ADA SIGN
STOP SIGN
PEDESTRIAN CROSSING SIGN
LIGHT POLE

SETBACK CHART

	REQUIRED	PROPOSED
FRONT	25'	31'
SIDE (INTERIOR)	20'	21'
SIDE (STREET)	25'	74'
REAR	20'	22'
POOL (REAR)	25'	48'
POOL (SIDE)	12.5'	18'

PROPOSED WAIVERS

WAIVER CHART			
CODE SECTION	**REQUIRED**	**PROVIDED**	**WAIVER**
Sec. 34-164 - Required Foundation Plantings	For nonresidential and multifamily properties one acre or more, at least 25 percent of the linear feet of building façade facing a street shall be planted with trees, shrubs or hedges.	10% at a 4 ft x 20ft sections.	For nonresidential and multifamily properties one acre or more, at least 25 percent of the linear feet of building façade facing a street shall be planted with trees, shrubs or hedges.
Sec. 34-1063(a)(1) - Performance standards.	Sidewalks on both sides of a street or primary driveway, interconnected with other pedestrianways and/or providing access to each building.	Sidewalk on one side of the primary driveway, interconnected with other pedestrianways.	Sidewalks on both sides of a street or primary driveway.
Sec. 34-766(1) - Property development regulations.	9,500 square feet of lot area per unit shall be required.	Average 1,715 square feet of lot area.	9,500 square feet of lot area per unit shall be required.
Sec. 34-1064. - Residential Planned Developments.(e)	20' Setback Required for Pool Cabana Building	14' Setback	For a reduction in the total setback length required for the Pool Cabana Building.

Site Plan

0' 15' 30' 60' 90' 120'

Scale: 1" = 30'

North

Cotleur & Hearing
Landscape Architects
Land Planners
Environmental Consultants
1934 Commerce Lane
Suite 1
Jupiter, Florida 33458
561.747.6336 · Fax 747.1377
www.cotleurhearing.com
Lic# LC-26000535

Boatman Hammock

Palm Springs, Florida

DESIGNED	DEH
DRAWN	RO/RNK
APPROVED	DEH
JOB NUMBER	20-0905
DATE	01-22-21
REVISIONS	02-25-21
	03-16-21
	05-04-21
	06-18-21
	09-17-21

September 17, 2021 4:13:50 p.m.
Drawing: 20-0905 SP.DWG

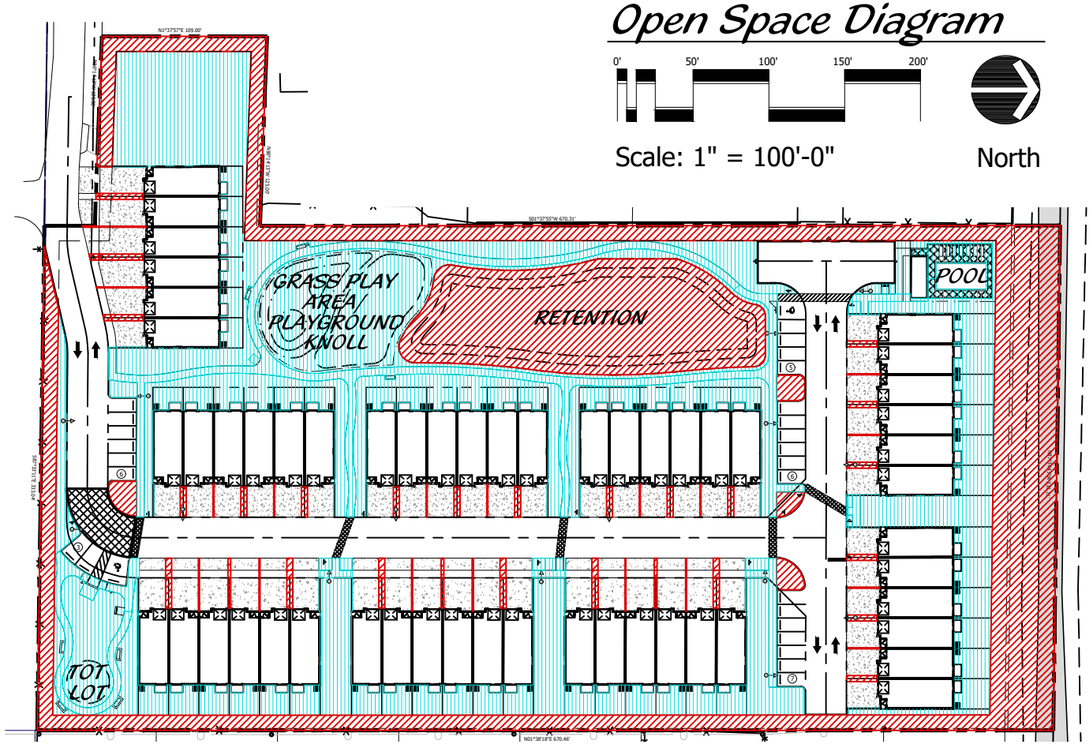
© COTLEUR & HEARING, INC.
These drawings are the property of the architect and are not to be used for extensions or on other projects except by agreement in writing with the architect. Immediately report any discrepancies to the architect.

Open Space Diagram

0' 50' 100' 150' 200'

Scale: 1" = 100'-0"

North



TOTAL OPEN SPACE:
MIN: 82,909 SF = 35% OF SITE AREA
PROV: 121,263 SF = 51.19% OF SITE AREA

RECREATIONAL OPEN SPACE:
PROV: 70,407 SF = 58% OF TOTAL OPEN SPACE PROVIDED

PASSIVE OPEN SPACE:
PROV: 50,315 SF = 42% OF TOTAL OPEN SPACE PROVIDED

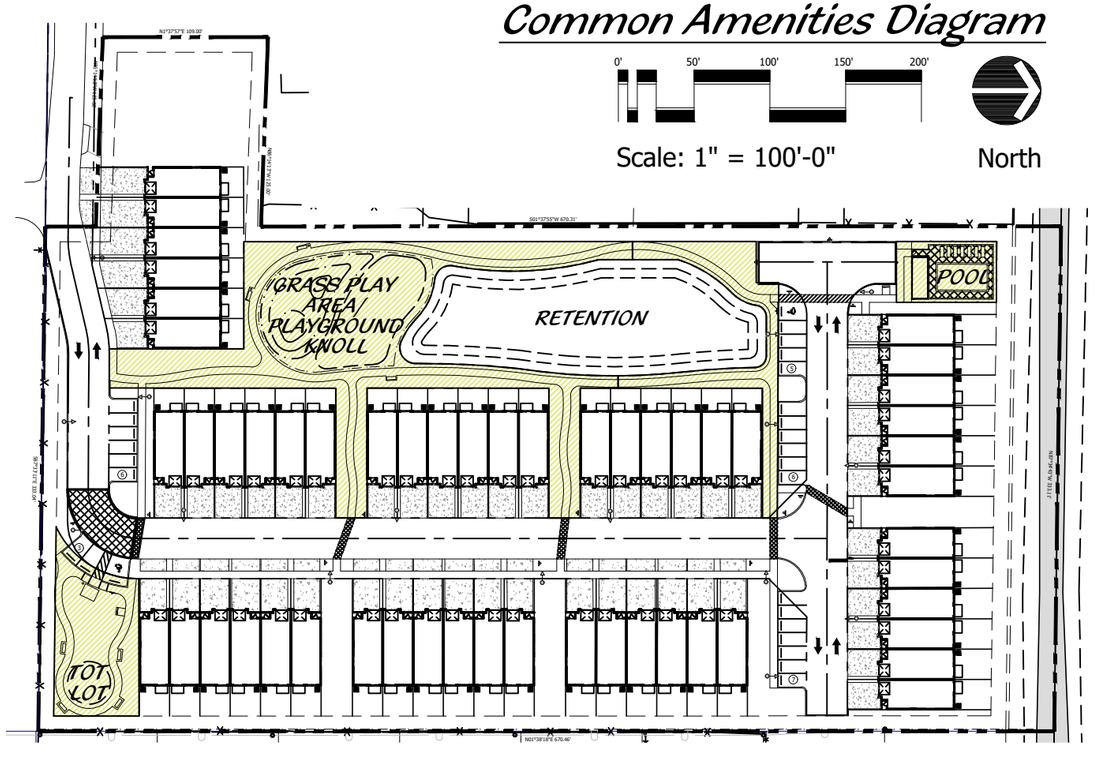
COMMON AMENITIES:
MIN. 16,581 SF = 20%
(BASED ON MINIMUM OPEN SPACE REQUIRED.)
PROV: 33,544 SF = 40%
(BASED ON MINIMUM OPEN SPACE REQUIRED.)

Common Amenities Diagram

0' 50' 100' 150' 200'

Scale: 1" = 100'-0"

North



Cotleur & Hearing
Landscape Architects
Land Planners
Environmental Consultants
1934 Commerce Lane
Suite 1
Jupiter, Florida 33458
561.747.6336 · Fax 747.1377
www.cotleurhearing.com
Lic# LC-26000535

525

Boatman Hammock

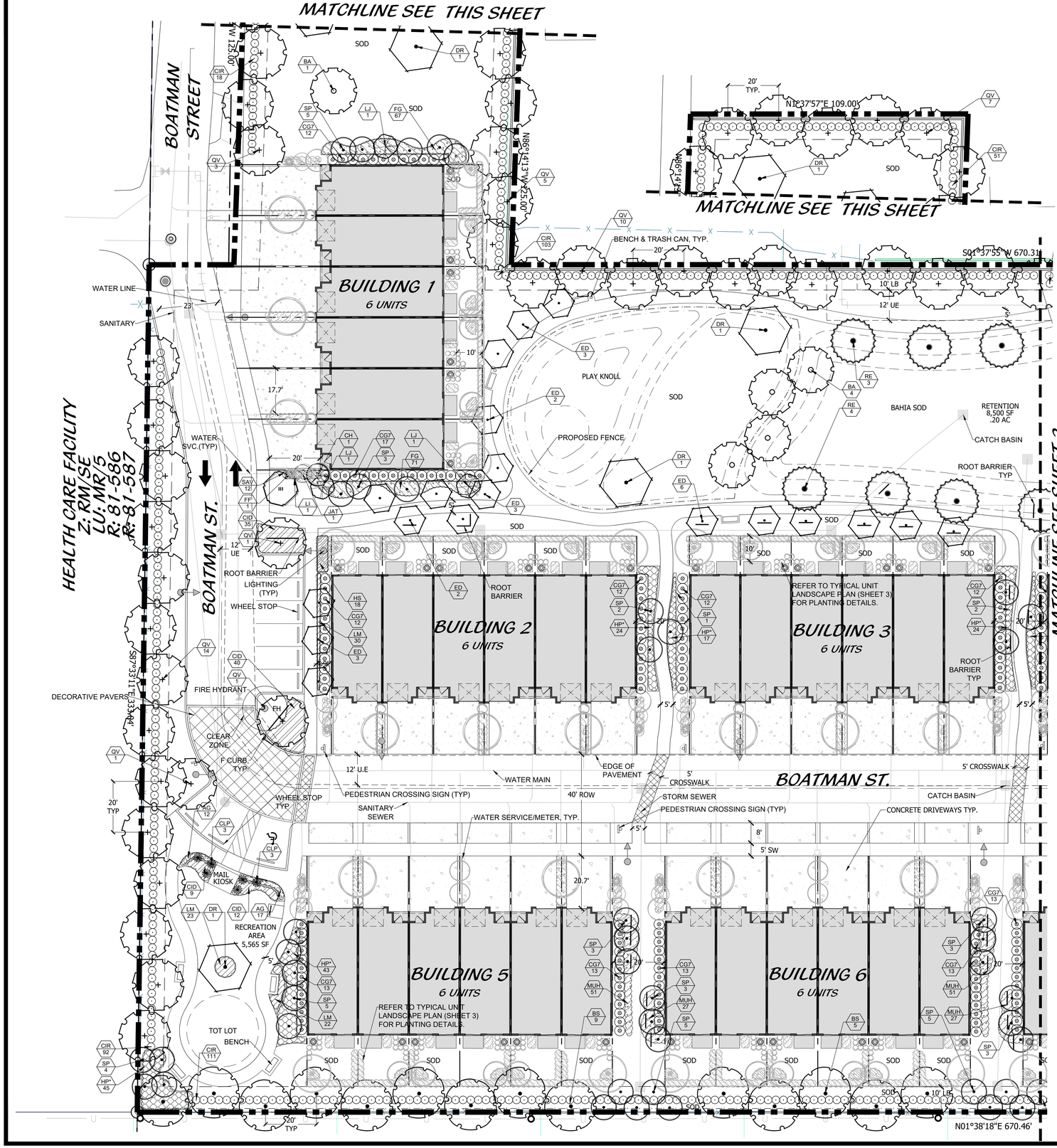
Palm Springs, Florida

DESIGNED	DEH
DRAWN	RO
APPROVED	DEH
JOB NUMBER	20-0905
DATE	01-22-21
REVISIONS	02-25-21
	03-19-21
	05-04-21

June 18, 2021 8:51:57 a.m.
Drawing: 20-0905 SP.DWG

SHEET 1 OF 1

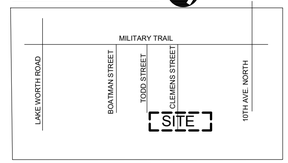
© COTLEUR & HEARING, INC.
These drawings are the property of the architect and are not to be used for extensions or on other projects except by agreement in writing with the architect. Immediately report any discrepancies to the architect.



LEGEND

ADA	DISABLED		HC SIGN
EX.	EXISTING		STOP SIGN
LB	LANDSCAPE BUFFER		PEDESTRIAN CROSSING
R	RADIUS		
SB	SETBACK		
TYP	TYPICAL		
ROW	RIGHT OF WAY		
TOB	TOP OF BANK		
EOW	EDGE OF WATER		

LOCATION MAP



LANDSCAPE DATA

NAME OF PROJECT	BOATMAN HAMMOCK
PROPERTY CONTROL NUMBER	70-42-44-24-00-000-5670
FEMA FLOOD ZONE	X500
TRAFFIC ANALYSIS ZONE	325
EXISTING LAND USE DESIGNATION	COMMERCIAL
EXISTING ZONING DISTRICT	CG- COMMERCIAL GENERAL
FUTURE LAND USE DESIGNATION	RESIDENTIAL MULTIFAMILY
PROPOSED ZONING	RM- RESIDENTIAL MUTIPLE FAMILY
OVERLAY DISTRICT	
MAXIMUM BUILDING HEIGHT	35'
NUMBER OF STORIES	2
NUMBER OF BUILDINGS	9
TOTAL SITE AREA	**5.44 AC** **236,883.01 SF**

BUILDING DATA

NUMBER OF MULTIFAMILY UNITS	54
OWNERSHIP	FEE SIMPLE
PROJECT DENSITY	9.93 DU/AC

LAND USE

	SF	AC	%
BUILDING LOT COVERAGE	56,127	1.29	23.69%
VEHICULAR USE AREA	59,091	1.36	24.95%
OPEN SPACE	121,665	2.79	51.36%
TOTAL	**236,883**	**5.44**	**100.00%**

OPEN SPACE	MIN	PROV
	35.00%	51.36%
	78,114.00	95,223.16
RECREATION	MIN	PROV
	20.00%	42.71%
	15,622.80	33,365.10

LOT COVERAGE

IMPERVIOUS AREA	SF	AC	%
BUILDING LOT COVERAGE	56,127	1.29	23.69%
VEHICULAR USE AREA	59,091	1.36	24.95%
SIDEWALKS & HARDSCAPE	10,666	0.24	4.50%
POOL & SPA	657	0.02	0.28%
TOTAL IMPERVIOUS AREA	**126,541**	**2.90**	**53.42%**
PERVIOUS AREA	**SF**	**AC**	**%**
GREEN SPACE	95,192	2.19	40.19%
RETENTION	15,150	0.35	6.40%
TOTAL PERVIOUS AREA	**110,342**	**2.53**	**46.58%**
TOTAL SITE AREA	**236,883**	**5.44**	**100.00%**

PARKING DATA

	REQ	PROV
RESIDENTIAL (2.5 PER UNIT)	135	
GARAGE		54
DRIVEWAY (TANDEM)		108
GUEST 25% (AT-GRADE)	34	27
TOTAL	**169**	**189**

PEDESTRIAN AMENITIES

	REQ	PROV
BENCH	5	7
TRASH CAN	2	3
BIKE RACK	2	1

MINIMUM LANDSCAPE BUFFER WIDTHS	REQ	PROV
ALL PROPERTY LINES (CATEGORY 2)	10'	10'

REQUIRED PERIMETER BUFFER TREES	REQ	PROV
NORTH PROPERTY LINE 458' (1 TREE EVERY 20')	23	19 TREES, 12 PALMS
SOUTH PROPERTY LINE 458' (1 TREE EVERY 20')	23	20 TREES, 4 PALMS
WEST PROPERTY LINE 333' (1 TREE EVERY 20')	34	27 TREES, 13 PALMS
EAST PROPERTY LINE 333' (1 TREE EVERY 20')	34	30 TREES, 4 PALMS
ALL PROPERTY LINES REQUIRE 36" HT. CONTINUOUS HEDG	YES	YES

VEHICULAR USE AREA TREES	REQ	PROV
TERMINAL ISLAND TREES (1 TREE PER ISLAND)	9	9

NET LOT AREA TREE & SHRUB REQUIREM	REQ	PROV
TREES (1 PER 1,500 SF OF OPEN SPACE) RESIDENTIAL	81	37 TREES, 37 PALMS

NATIVE TREES & SHRUBS	REQ	PROV
PERCENT NATIVE OR DROUGHT TOLERANT TREES	50%	68%
PERCENT NATIVE OR DROUGHT TOLERANT TREES	50%	97%
PERCENT NATIVE OR DROUGHT TOLERANT SHRUBS	50%	61%

Landscape Plan

0' 10' 20' 40' 60' 80'

Scale: 1" = 20'

North

Cotleur & Hearing
Landscape Architects
Land Planners
Environmental Consultants
1934 Commerce Lane
Suite 1
Jupiter, Florida 33458
561.747.6336 · Fax 747.1377
www.cotleurhearing.com
Lic# LC-26000535

Boatman Hammock

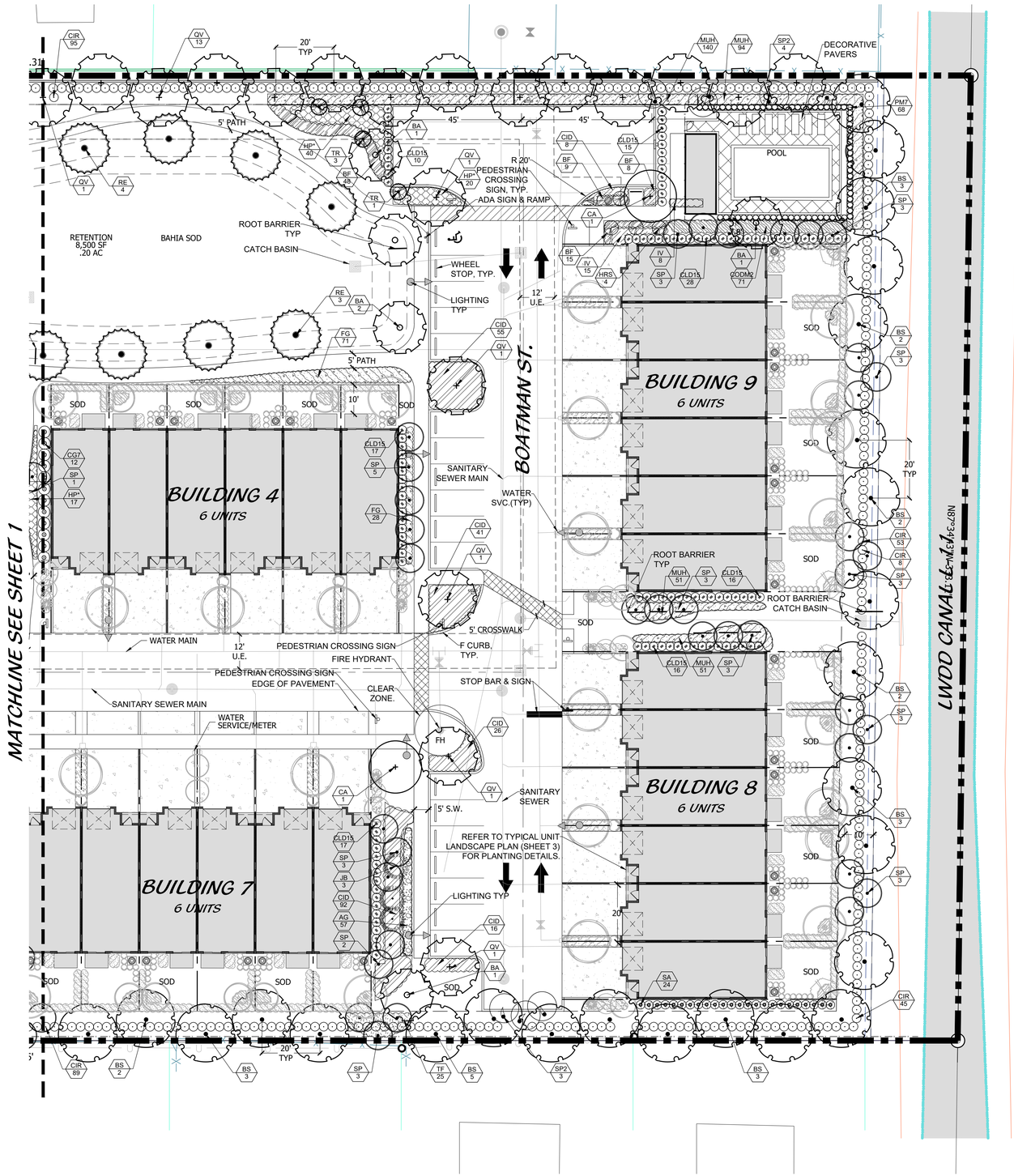
Palm Springs, Florida

DESIGNED DEH
DRAWN AGB/RO
APPROVED DEH
JOB NUMBER 20-0905
DATE 01-22-21
REVISIONS 02-26-21
03-19-21
04-16-21
05-14-21
09-20-21

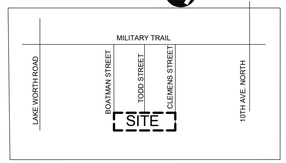
September 20, 2021 12:05:44 p.m.
Drawing: 20-0905 LP.DWG

SHEET 1 OF 4

© COTLEUR & HEARING, INC.
These drawings are the property of the architect and are not to be used for extensions or on other projects except by agreement in writing with the architect. Immediately report any discrepancies to the architect.



LOCATION MAP



LEGEND

ADA	DISABLED		HC SIGN
EX.	EXISTING		STOP SIGN
LB	LANDSCAPE BUFFER		PEDESTRIAN CROSSING
R	RADIUS		
SB	SETBACK		
TYP	TYPICAL		
ROW	RIGHT OF WAY		
TOB	TOP OF BANK		
EOW	EDGE OF WATER		

Landscape Plan

0' 10' 20' 40' 60' 80'

Scale: 1" = 20'

North

Cotleur & Hearing
Landscape Architects
Land Planners
Environmental Consultants
1934 Commerce Lane
Suite 1
Jupiter, Florida 33458
561.747.6336 · Fax 747.1377
www.cotleurhearing.com
Lic# LC-26000535

Boatman Hammock

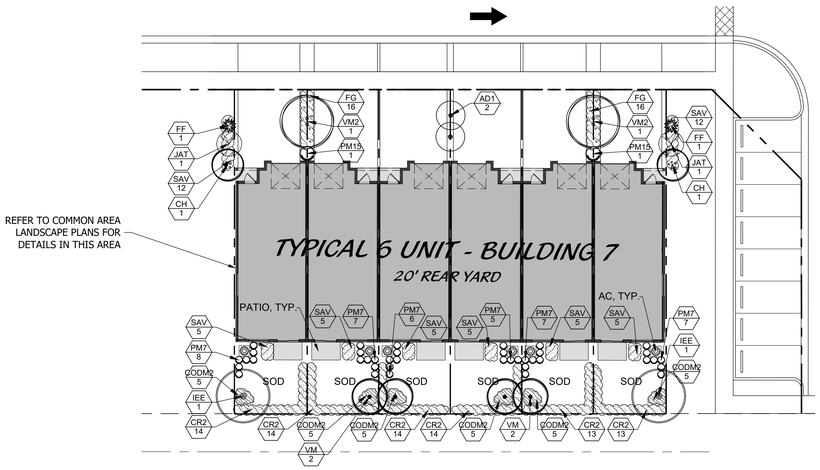
Palm Springs, Florida

DESIGNED	DEH
DRAWN	AGB/RO
APPROVED	DEH
JOB NUMBER	20-0905
DATE	01-22-21
REVISIONS	02-26-21
	03-19-21
	04-16-21
	05-14-21
	09-20-21

September 20, 2021 12:05:44 p.m.
Drawing: 20-0905 LP.DWG

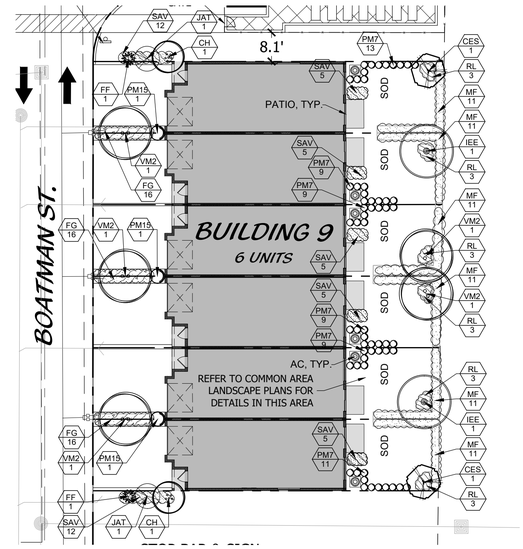
SHEET 2 OF 4

© COTLEUR & HEARING, INC.
These drawings are the property of the architect and are not to be used for extensions or on other projects except by agreement in writing with the architect. Immediately report any discrepancies to the architect.



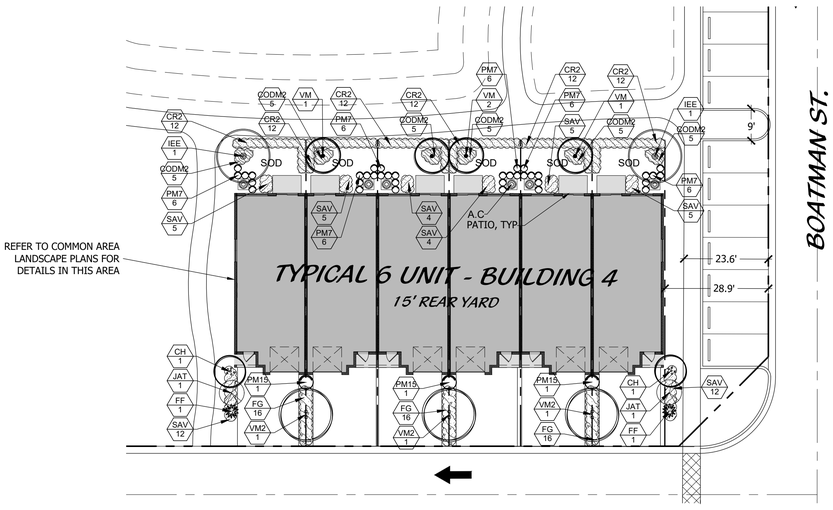
PLANT SCHEDULE - TYPICAL 6 UNIT BUILDING 15' REAR YARD

TREES	QTY	BOTANICAL NAME	COMMON NAME	CONT	CAL	SIZE	NATIVE	LOW MAINT	REMARKS
IEE	2	ILEX X ATTENUATA `EAGLESTON`	EAGLESTON HOLLY	45 GAL	2" CAL.	12` O.A. HT	Y	N	FULL CANOPY
JAT	2	JATROPHA INTEGERIMA	JATROPHA	25 GAL	1.5" CAL	5` OA MULTI STEM	N	N	FULL & THICK, FLORIDA FANCY.
PALM TREES	**QTY**	**BOTANICAL NAME**	**COMMON NAME**	**CONT**	**CAL**	**SIZE**	**NATIVE**	**LOW MAINT**	**REMARKS**
CH	2	CHAMAEROPS HUMILIS	EUROPEAN FAN PALM	30 GAL	N.A.	4`-5` O.A.	N	N	MULTI TRUNK, FULL CANOPY.
AD1	2	VEITCHIA MERRILLII	CHRISTMAS PALM	30 GAL	N.A.	10` O.A.			FULL CANOPY, SINGLE TRUNK.
VM2	2	VEITCHIA MONTGOMERYANA	MONTGOMERY PALM	FG	N.A.	18` O.A.	N	N	DOUBLE TRUNK, FULL CANOPY.
VM	4	VEITCHIA MONTGOMERYANA ~	MONTGOMERY PALM	5 gal	N.A.	12`-14` O.A HT	N	N	SINGLE TRUNK, FULL CANOPY
SHRUBS	**QTY**	**BOTANICAL NAME**	**COMMON NAME**	**CONT**	**SIZE**	**SPACE**	**NATIVE**	**LOW MAINT**	**REMARKS**
FF	2	FURCRAEA FOETIDA	FALSE AGAVE	7 gal.	3` O.A.	A.S.	N	N	FULL & THICK
PM15	2	PODOCARPUS MACROPHYLLUS	PODOCARPUS	15 GAL	4`-5` O.A.	A.S.			FULL AND THICK
PM7	40	PODOCARPUS MACROPHYLLUS	PODOCARPUS	7 gal	6`	2` O.C.	N		FULL & THICK
GROUND COVERS	**QTY**	**BOTANICAL NAME**	**COMMON NAME**	**CONT**	**SIZE**	**SPACE**	**NATIVE**	**LOW MAINT**	**REMARKS**
CR2	82	CHRYSOBALANUS ICACO `RED TIP`	RED TIP COCOPLUM	3 GAL	24" X 24"	30" O.C.	Y	N	FULL & THICK
CODM2	30	CODIAEUM VARIGATUM `MANGO`	MANGO CROTON	7 GAL	24" X 24"	24" O.C.	N		FULL & THICK
FG	32	FICUS MACROPHYLLA `GREEN ISLAND`	GREEN ISLAND FICUS	3 GAL	12" x 12"	24" O.C.			FULL AND THICK
SAV	54	SCHEFFLERA ARBORICOLA `TRINETTE`	DWARF VARIEGATED SCHEFFLERA	3 GAL	18" X18"	24" OC	N		FULL & THICK



PLANT SCHEDULE - TYPICAL 6 UNIT BUILDING 26' REAR YARD

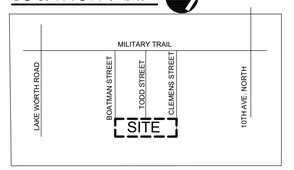
TREES	QTY	BOTANICAL NAME	COMMON NAME	CONT	CAL	SIZE	NATIVE	LOW MAINT	REMARKS
CES	2	CONOCARPUS ERECTUS	GREEN BUTTONWOOD	45 GAL	2" CAL.	12` O.A., H.T.	Y		FULL CANOPY, STD., LIMB UP 5`
IEE	2	ILEX X ATTENUATA `EAGLESTON`	EAGLESTON HOLLY	45 GAL	2" CAL.	12` O.A., HT	Y	N	FULL CANOPY
JAT	2	JATROPHA INTEGERIMA	JATROPHA	25 GAL	1.5" CAL	5` OA MULTI STEM	N	N	FULL & THICK, FLORIDA FANCY.
PALM TREES	**QTY**	**BOTANICAL NAME**	**COMMON NAME**	**CONT**	**CAL**	**SIZE**	**NATIVE**	**LOW MAINT**	**REMARKS**
CH	2	CHAMAEROPS HUMILIS	EUROPEAN FAN PALM	30 GAL	N.A.	4`-5` O.A.	N	N	MULTI TRUNK, FULL CANOPY.
VM2	5	VEITCHIA MONTGOMERYANA	MONTGOMERY PALM	FG	N.A.	18` O.A.	N	N	DOUBLE TRUNK, FULL CANOPY.
SHRUBS	**QTY**	**BOTANICAL NAME**	**COMMON NAME**	**CONT**	**SIZE**	**SPACE**	**NATIVE**	**LOW MAINT**	**REMARKS**
FF	2	FURCRAEA FOETIDA	FALSE AGAVE	7 gal.	3` O.A.	A.S.	N	N	FULL & THICK
PM15	3	PODOCARPUS MACROPHYLLUS	PODOCARPUS	15 GAL	4`-5` O.A.	A.S.			FULL AND THICK
PM7	60	PODOCARPUS MACROPHYLLUS	PODOCARPUS	7 gal	6`	2` O.C.	N		FULL & THICK
GROUND COVERS	**QTY**	**BOTANICAL NAME**	**COMMON NAME**	**CONT**	**SIZE**	**SPACE**	**NATIVE**	**LOW MAINT**	**REMARKS**
FG	48	FICUS MACROPHYLLA `GREEN ISLAND`	GREEN ISLAND FICUS	3 GAL	12" x 12"	24" O.C.			FULL AND THICK
MF	66	MYRCIANTHES FRAGRANS	SIMPSON`S STOPPER	3 gal.	24" X 24"	36" O.C.	N	N	FULL & THICK
RL	18	RONDELETIA LEUCOPHYLLA	PANAMA ROSE	3 gal	18" X 18"	30" O.C.	N	N	FULL & THICK
SAV	49	SCHEFFLERA ARBORICOLA `TRINETTE`	DWARF VARIEGATED SCHEFFLERA	3 GAL	18" X18"	2` O.C.	N		FULL & THICK



PLANT SCHEDULE - TYPICAL 6 UNIT BUILDING 20' REAR YARD

TREES	QTY	BOTANICAL NAME	COMMON NAME	CONT	CAL	SIZE	NATIVE	LOW MAINT	REMARKS
IEE	2	ILEX X ATTENUATA `EAGLESTON`	EAGLESTON HOLLY	45 GAL	2" CAL.	12` O.A. HT	Y	N	FULL CANOPY
JAT	2	JATROPHA INTEGERIMA	JATROPHA	25 GAL	1.5" CAL	5` OA MULTI STEM	N	N	FULL & THICK, FLORIDA FANCY.
PALM TREES	**QTY**	**BOTANICAL NAME**	**COMMON NAME**	**CONT**	**CAL**	**SIZE**	**NATIVE**	**LOW MAINT**	**REMARKS**
CH	2	CHAMAEROPS HUMILIS	EUROPEAN FAN PALM	30 GAL	N.A.	4`-5` O.A.	N	N	MULTI TRUNK, FULL CANOPY.
VM2	3	VEITCHIA MONTGOMERYANA	MONTGOMERY PALM	FG	N.A.	18` O.A.	N	N	DOUBLE TRUNK, FULL CANOPY.
VM	4	VEITCHIA MONTGOMERYANA ~	MONTGOMERY PALM	5 gal	N.A.	12`-14` O.A HT	N	N	SINGLE TRUNK, FULL CANOPY
SHRUBS	**QTY**	**BOTANICAL NAME**	**COMMON NAME**	**CONT**	**SIZE**	**SPACE**	**NATIVE**	**LOW MAINT**	**REMARKS**
FF	2	FURCRAEA FOETIDA	FALSE AGAVE	7 gal.	3` O.A.	A.S.	N	N	FULL & THICK
PM15	3	PODOCARPUS MACROPHYLLUS	PODOCARPUS	15 GAL	4`-5` O.A.	A.S.			FULL AND THICK
PM7	36	PODOCARPUS MACROPHYLLUS	PODOCARPUS	7 gal	6`	2` O.C.	N		FULL & THICK
GROUND COVERS	**QTY**	**BOTANICAL NAME**	**COMMON NAME**	**CONT**	**SIZE**	**SPACE**	**NATIVE**	**LOW MAINT**	**REMARKS**
CR2	72	CHRYSOBALANUS ICACO `RED TIP`	RED TIP COCOPLUM	3 GAL	24" X 24"	30" O.C.	Y	N	FULL & THICK
CODM2	30	CODIAEUM VARIGATUM `MANGO`	MANGO CROTON	7 GAL	24" X 24"	24" O.C.	N		FULL & THICK
FG	48	FICUS MACROPHYLLA `GREEN ISLAND`	GREEN ISLAND FICUS	3 GAL	12" x 12"	24" O.C.			FULL AND THICK
SAV	52	SCHEFFLERA ARBORICOLA `TRINETTE`	DWARF VARIEGATED SCHEFFLERA	3 GAL	18" X18"	24" OC	N		FULL & THICK

LOCATION MAP



LEGEND

ADA	DISABLED
EX.	EXISTING
LB	LANDSCAPE BUFFER
R	RADIUS
SB	SETBACK
TYP	TYPICAL
ROW	RIGHT OF WAY
TOB	TOP OF BANK
EOW	EDGE OF WATER

HC SIGN
STOP SIGN
PEDESTRIAN CROSSING

Typical Unit Landscape Plan

0' 10' 20' 30' 40' 50'

Scale: 1" = 20'

Cotleur & Hearing
Landscape Architects
Land Planners
Environmental Consultants
1934 Commerce Lane
Suite 1
Jupiter, Florida 33458
561.747.6336 · Fax 747.1377
www.cotleurhearing.com
Lic# LC-26000535

Boatman Hammock

Palm Springs, Florida

DESIGNED DEH
DRAWN AGB/RO
APPROVED DEH
JOB NUMBER 20-0905
DATE 01-22-21
REVISIONS 02-26-21
03-19-21
04-16-21
05-14-21
09-20-21

September 20, 2021 12:05:44 p.m.
Drawing: 20-0905 LP.DWG

SHEET 3 OF 4

© COTLEUR & HEARING, INC.
These drawings are the property of the architect and are not to be used for extensions or on other projects except by agreement in writing with the architect. Immediately report any discrepancies to the architect.

LANDSCAPE SPECIFICATIONS

1. GENERAL LANDSCAPE REQUIREMENTS

LANDSCAPE CONTRACT WORK INCLUDES, BUT IS NOT LIMITED TO, SOIL PREPARATION, FINE OR FINISH GRADING, FURNISHING AND INSTALLING PLANT MATERIAL, WATERING, STAKING, GUYING AND MULCHING.

PLANT SIZE AND QUALITY

TREES, PALMS, SHRUBS, GROUNDCOVERS:
PLANT SPECIES AND SIZES SHALL CONFORM TO THOSE INDICATED ON THE DRAWINGS, NOMENCLATURE SHALL CONFORM TO STANDARD PLANT NAMES, 1942 EDITION. ALL NURSERY STOCK SHALL BE IN ACCORDANCE WITH GRADES AND STANDARDS FOR NURSERY PLANTS PARTS I & II, LATEST EDITION PUBLISHED BY THE FLORIDA DEPARTMENT OF AGRICULTURE AND CONSUMER SERVICES, UNLESS SPECIFIED OTHERWISE. ALL PLANTS SHALL BE FLORIDA GRADE NUMBER 1 OR BETTER AS DETERMINED BY THE FLORIDA DIVISION OF PLANT INDUSTRY.

ALL CONTAINER GROWN MATERIAL SHALL BE HEALTHY, VIGOROUS, WELL-ROOTED PLANTS AND ESTABLISHED IN THE CONTAINER IN WHICH THEY ARE SOLD. THE PLANTS SHALL HAVE TOPS OF GOOD QUALITY AND BE IN A HEALTHY GROWING CONDITION.

AN ESTABLISHED CONTAINER GROWN PLANT SHALL BE TRANSPLANTED INTO A CONTAINER AND GROWN IN THAT CONTAINER SUFFICIENTLY LONG ENOUGH FOR THE NEW FIBROUS ROOTS TO HAVE DEVELOPED SO THAT THE ROOT MASS WILL RETAIN ITS SHAPE AND HOLD TOGETHER WHEN REMOVED FROM THE CONTAINER.

STANDARD PLANTING MIXTURE SHALL BE ONE (1) PART RECYCLED ORGANIC MATERIAL ADDED TO THREE (3) PARTS EXISTING NATIVE SOIL.

REPLACEMENT SOIL SHALL BE USED AS SPECIFIED TO REPLACE EXISTING SOILS THAT ARE DETERMINED BY THE LANDSCAPE ARCHITEC TO BE UNSUITABLE FOR PLANTING, IE. ROAD BASE, PAVEMENT, ETC. REPLACMENT SOIL MIX SHALL CONTAIN 60% SAND AND 40% MUCK. SAND SHALL BE 100% CLEAN NATIVE SAND SCREENED TO 1/4" AND MUCK SHALL BE 100% CLEAN ORGANIC NATIVE MUCK SCREENED TO 1/2". ALL SOIL SHALL BE MIXED PRIOR TO DELIVERY ON SITE.

MULCH SHALL BE SHREDDED MELALEUCA, EUCALYPTUS OR GRADE "A" RECYCLED. ALL MULCH IS TO BE APPLIED TO A DEPTH OF 3", EXCEPT AS OTHERWISE NOTED.

FERTILIZER IN BACKFILL MIXTURE FOR ALL PLANTS SHALL CONSIST OF MILORGANITE ACTIVATED SLUDGE MIXED WITH THE BACKFILL AT A RATE OF NOT LESS THAN 50 LBS. PER CUBIC YARD.

FERTILIZER FOR TREES AND SHRUBS MAY BE TABLET FORM OR GRANULAR. GRANULAR FERTILIZER SHALL BE UNIFORM IN COMPOSITION, DRY AND FREE-FLOWING. THIS FERTILIZER SHALL BE DELIVERED TO THE SITE IN THE ORIGINAL UNOPENED BAGS, EACH BEARING THE MANUFACTURER'S STATEMENT OF ANALYSIS, AND SHALL MEET THE FOLLOWING REQUIREMENTS: 16% NITROGEN, 7% PHOSPHORUS, 12% POTASSIUM, PLUS IRON. TABLET FERTILIZER (AGRIFORM OR EQUAL) IN 21 GRAM SIZE SHALL MEET THE FOLLOWING REQUIREMENTS: 20% NITROGEN, 10% PHOSPHORUS AND 5% POTASSIUM.

FERTILIZER WILL BE APPLIED AT THE FOLLOWING RATES:

PLANT SIZE	16-7-12	AGRIFORM TABLETS (21 GRAM)
1 GAL.	1/4 LB.	1
3 GAL.	1/3 LB.	3
7-15 GAL.	1/2 LB.	6
1"-6" CALIPER	2 LBS./1" CALIPER	2 PER 1" CALIPER
6" AND LARGER	3 LBS./1" CALIPER	2 PER 1" CALIPER

"FLORIDA EAST COAST PALM SPECIAL" SHALL BE APPLIED TO ALL PALMS AT INSTALLATION AT A RATE OF ½ LB. PER INCH OF TRUNK UNLESS OTHERWISE SPECIFIED.

FIELD GROWN TREES AND PALMS PREVIOUSLY ROOT PRUNED SHALL OBTAIN A ROOT BALL WITH SUFFICIENT ROOTS FOR CONTINUED GROWTH WITHOUT RESULTING SHOCK.

CONTRACTOR SHALL NOT MARK OR SCAR TRUNK IN ANY FASHION.

PLANTS SHALL BE WATERED AS NECESSARY OR WITHIN 24 HOURS AFTER NOTIFICATION BY THE LANDSCAPE ARCHITECT.

THE LOCATIONS OF PLANTS, AS SHOWN IN THESE PLANS, ARE APPROXIMATE. THE FINAL LOCATIONS MAY BE ADJUSTED TO ACCOMMODATE UNFORESEEN FIELD CONDITIONS. MAJOR ADJUSTMENTS TO THE LAYOUT ARE TO BE APPROVED BY THE LANDSCAPE ARCHITECT.

ALL PLASTIC FABRIC SHALL BE REMOVED FROM PLANT MATERIAL AT TIME OF INSTALLATION.

ALL TREES MUST BE STAKED AS SHOWN ON THE PLANTING DETAILS WITHIN 24 HOURS OF PLANTING. STAKES TO REMAIN FOR A MINIMUM OF 9 MONTHS, BUT NO LONGER THAN 18 MONTHS. CONTRACTOR IS RESPONSIBLE FOR MAINTENANCE AND REMOVAL OF THE STAKES.

ALL TREES MUST BE PRUNED AS PER LANDSCAPE ARCHITECT'S DIRECTION. SABAL PALMS MAY BE HURRICANE CUT.

ALL SHRUBS, TREES AND GROUND COVER WILL HAVE IMPROVED SOIL AS PER PLANTING SOIL NOTES. THE SOILS SHALL BE PLACED IN THE HOLE DURING PLANTING. TOP DRESSING ONLY IS NOT ACCEPTABLE.

DO NOT ALLOW AIR POCKETS TO FORM WHEN BACKFILLING. ALL TREES SHALL BE SPIKED IN UTILIZING WATER AND A TREE BAR.

THE LANDSCAPE CONTRACTOR SHALL WATER, MULCH, WEED, PRUNE, AND OTHERWISE MAINTAIN ALL PLANTS, INCLUDING SOD, UNTIL COMPLETION OF CONTRACT OR ACCEPTANCE BY LANDSCAPE ARCHITECT. SETTLED PLANTS SHALL BE RESET TO PROPER GRADE, PLANTING SAUCERS RESTORED, AND DEFECTIVE WORK CORRECTED.

THE LANDSCAPE CONTRACTOR SHALL AT ALL TIMES KEEP THE PREMISES FREE FROM ACCUMULATION OF WASTE MATERIALS OR DEBRIS CAUSED BY HIS CREWS DURING THE PERFORMANCE OF THE WORK. UPON COMPLETION OF THE WORK, THE CONTRACTOR SHALL PROMPTLY REMOVE ALL WASTE MATERIALS, DEBRIS, UNUSED PLANT MATERIAL, EMPTY PLANT CONTAINERS AND ALL EQUIPMENT FROM THE PROJECT SITE.

UPON COMPLETION OF THE WORK, THE LANDSCAPE CONTRACTOR SHALL NOTIFY THE LANDSCAPE ARCHITECT AND REQUEST A FINAL INSPECTION. ANY ITEMS THAT ARE JUDGED INCOMPLETE OR UNACCEPTABLE BY THE LANDSCAPE ARCHITECT OR OWNER'S REPRESENTATIVE SHALL BE CORRECTED BY THE LANDSCAPE CONTRACTOR WITHIN 14 DAYS.

ALL LABOR AND MATERIAL FOR SOIL AMENDMENTS AND FERTILIZER THAT IS REQUIRED TO INSURE THE SUCCESSFUL ESTABLISHMENT AND SURVIVAL OF THE PROPOSED VEGETATION, AS WELL AS ALL THE COST FOR THE REMOVAL OF UNSUITABLE OR EXCESS BACKFILL MATERIAL SHALL BE INCLUDED IN THE CONTRACTOR'S BID TO PERFORM THE WORK REPRESENTED IN THIS PLAN SET.

2. PLANTING TREES

EXCAVATE PIT AS PER PLANTING DETAILS.

BACKFILL AROUND BALL WITH STANDARD PLANTING MIXTURE AND SLIGHTLY COMPACT. WATER THOROUGHLY AS LAYERS ARE PLACED TO ELIMINATE VOIDS AND AIR POCKETS. BUILD A 6" HIGH BERM OF STANDARD PLANTING MIXTURE BEYOND EDGE OF EXCAVATION. APPLY 3" (AFTER SETTLEMENT) OF MULCH EXCEPT WITHIN 6" OF TRUNK.

PRUNE TREE TO REMOVE DAMAGED BRANCHES, IMPROVE NATURAL SHAPE AND THIN OUT STRUCTURE. DO NOT REMOVE MORE THAN 15% OF BRANCHES. DO NOT PRUNE BACK TERMINAL LEADER.

GUY AND STAKE TREE IN ACCORDANCE WITT THE STAKING DETAILS IMMEDIATELY AFTER PLANTING.

3. PLANTING SHRUBS

LAYOUT SHRUBS TO CREATE A CONTINUOUS SMOOTH FRONT LINE AND FILL IN BEHIND.

EXCAVATE PIT OR TRENCH TO 1-1/2 TIMES THE DIAMETER OF THE BALLS OR CONTAINERS OR 1'-0" WIDER THAN THE SPREAD OF ROOTS FOR POSITIONING AT PROPER HEIGHT. BACKFILL AROUND PLANTS WITH STANDARD PLANTING MIXTURE, COMPACTED TO ELIMINATE VOIDS AND AIR POCKETS. FORM GRADE SLIGHTLY DISHED AND BERMED AT EDGES OF EXCAVATION. APPLY 3" OF MULCH EXCEPT WITHIN 3" OF STEMS.

PRUNE SHRUBS TO REMOVE DAMAGED BRANCHES, IMPROVE NATURAL SHAPE AND THIN OUT STRUCTURE. DO NOT REMOVE MORE THAN 15% OF BRANCHES.

4. PLANTING GROUND COVER

LOOSEN SUBGRADE TO DEPTH OF 4" IN AREAS WHERE TOPSOIL HAS BEEN STRIPPED AND SPREAD SMOOTH.

SPACE PLANTS AS OTHERWISE INDICATED. DIG HOLES LARGE ENOUGH TO ALLOW SPREADING OF ROOTS. COMPACT BACKFILLTO ELIMINATE VOIDS AND LEAVE GRADE SLIGHTLY DISHED AT EACH PLANT. WATER THOROUGHLY. APPLY 3" OF MULCH OVER ENTIRE PLANTING BED, LIFTING PLANT FOLIAGE ABOVE MULCH.

DURING PERIODS OF HOT SUN AND/OR WIND AT TIME OF PLANTING, PROVIDE PROTECTIVE COVER FOR SEVERAL DAYS OR AS NEEDED.

5. PLANTING LAWNS

SODDING: SOD TYPE SPECIFIED ON PLANT LIST SHALL BE MACHINE STRIPPED NOT MORE THAN 24 HOURS PRIOR TO LAYING.

LOOSEN SUBGRADE TO DEPTH OF 4" AND GRADE WITH TOPSOIL EITHER PROVIDED ON SITE OR IMPORTED STANDARD PLANTING MIX TO FINISH DESIGN ELEVATIONS. ROLL PREPARED LAWN SURFACE. WATER THOROUGHLY, BUT DO NOT CREATE MUDDY SOIL CONDITION.

FERTILIZE SOIL AT THE RATE OF APPROXIMATELY 10 LBS. PER 1,000 S.F. SPREAD FERTILIZER OVER THE AREA TO RECEIVE GRASS BY USING AN APPROVED DISTRIBUTION DEVICE CALIBRATED TO DISTRIBUTE THE APPROPRIATE QUANTITY. DO NOT FERTILIZE WHEN WIND VELOCITY EXCEEDS 15 M.P.H. THOROUGHLY MIX FERTILIZER INTO THE TOP 2" OF TOPSOIL.

LAY SOD STRIPS WITH TIGHT JOINTS, DO NOT OVERLAP, STAGGER STRIPS TO OFFSET JOINTS IN ADJACENT COURSES. WORK SIFTED STANDARD PLANTING MIXTURE INTO MINOR CRACKS BETWEEN PIECES OF SOD AND REMOVE EXCESS SOIL DEPOSITS FROM SODDED AREAS. SOD ON SLOPES GREATER THAN 3:1 SHALL BE STAKED IN PLACE. ROLL OR STAMP LIGHTLY AND WATER THOROUGHLY WITH A FINE SPRAY IMMEDIATELY AFTER PLANTING.

6. MISCELLANEOUS LANDSCAPE WORK

LANDSCAPE MAINTENANCE

MAINTAIN LANDSCAPE WORK UNTIL FINAL ACCEPTANCE IS ISSUED BY THE OWNER'S REPRESENTATIVE. INCLUDE WATERING, WEEDING, CULTIVATING, RESTORATION OF GRADE, MOWING AND TRIMMING GRASS, PRUNING TREES AND SHRUBS, PROTECTION FROM INSECTS AND DISEASES, FERTILIZING AND SIMILAR OPERATIONS AS NEEDED TO INSURE NORMAL GROWTH AND GOOD HEALTH FOR LIVE PLANT MATERIAL.

PLANT MATERIAL SUBSTITUTION

NO SUBSTITUTION OF PLANT MATERIAL, TYPE OR SIZES WILL BE PERMITTED WITHOUT AUTHORIZATION FROM THE LANDSCAPE ARCHITECT.

PLANTING BED PREPARATION

ALL PLANTING BEDS SHALL BE PROPERLY PREPARED PRIOR TO THE COMMENCEMENT OF ANY PLANTING. PLANTING AREAS, INCLUDING LAWNS SHALL BE FREE OF ALL WEEDS AND NUISANCE VEGETATION. IF TORPEDO GRASS (PANICUM REPENS) IS PRESENT OR ENCOUNTERED DURING PLANTING, THE LANDSCAPE CONTRACTOR SHALL STOP ALL PLANTING UNTIL IT CAN BE DEMONSTRATED THAT IT HAS BEEN COMPLETELY REMOVED OR ERADICATED. THERE SHALL BE NO EXCEPTIONS TO THIS PROVISION.

ALL LANDSCAPE ISLANDS AND BEDS WILL BE FREE OF SHELL ROCK AND CONSTRUCTION DEBRIS AND WILL BE EXCAVATED TO A DEPTH OF 30 INCHES OR TO CLEAN, NATIVE SOIL AND FILLED WITH THE SPECIFIED REPLACMENT SOIL.

LANDSCAPE WARRENTY

THE LANDSCAPE CONTRACTOR SHALL GUARANTEE ALL PLANT MATERIAL FOR A PERIOD OF SIX (6) MONTHS FROM THE DATE OF CONDITIONAL ACCEPTANCE IN WRITING FROM THE LANDSCAPE ARCHITECT. AT THE TIME OF CONDITIONAL ACCEPTANCE, THE SIX (6) MONTH PERIOD SHALL COMMENCE. ANY MATERIALS WHICH HAVE DIED OR DECLINED TO THE POINT WHERE THEY NO LONGER MEET FLORIDA #1 CONDITION DURING THIS PERIOD SHALL BE PROMPTLY REPLACED WITH SPECIMENS THAT MEET THE MINIMUM REQUIREMENTS CALLED FOR ON THE DRAWINGS. THE LANDSCAPE CONTRACTOR SHALL NOT BE HELD RESPONSIBLE FOR THE DEATH OR DAMAGE RESULTING FROM ACTS OF GOD SUCH AS LIGHTNING, VANDALISM, AND AUTOMOBILES OR FROM NEGLIGENCE BY THE OWNER. CONTRACTOR SHALL BE RESPONSIBLE FOR WATERING AND OTHERWISE MAINTAINING PLANTS UP TO THE CONSTITIONAL ACCEPTANCE PERIOD, UNLESS A WRITTEN AGREEMENT WITH THE LANDSCAPE ARCHITECT PROVIDES FOR A DIFFERENT ARRANGEMENT.

LANDSCAPE NOTES

ALL PROPOSED PLANT MATERIAL SHALL BE FLORIDA NUMBER 1 OR BETTER AS DESCRIBED IN GRADES AND STANDARDS FOR NURSERY PLANTS, PARTS I AND II, LATEST EDITION PUBLISHED BY THE FLORIDA DEPARTMENT OF AGRICULTURE AND CONSUMER SERVICE.

ALL PLANTED AREAS SHALL RECEIVE A 3" LAYER OF SHREDDED MULCH.

ALL PLANT MATERIAL SHALL BE PRUNED, IF NEEDED, TO ACHIEVE THE SHAPE AND FORM CHARACTERISTIC TO THEIR DESIGN INTENT. PRUNING TO BE IN STRICT ACCORDANCE WITH ISA STANDARDS.

ALL SOD OR SEED SHALL BE CERTIFIED (IF APPLICABLE) AND WEED AND INSECT FREE.

CONTRACTOR SHALL BE RESPONSIBLE FOR LOCATING EXISTING UTILITIES OR OTHER OBSTRUCTIONS WHICH MAY INTERFERE WITH PLAN INSTALLATION

CALL SUNSHINE ONE CALL SERVICE FOR UNDERGROUND UTILITY LOCATIONS 48 HOURS PRIOR TO ANY EXCAVATION OF DIGGING 1-800-432-4470.

LANDSCAPE AND/OR SOD SHALL BE PLACED TO THE EDGE OF PAVEMENT FROM VEHICULAR AREAS, ADJACENT TO CANAL BANKS, LAKES OR OTHER LANDSCAPE AREAS.

ALL MECHANICAL EQUIPMENT, IRRIGATION PUMPS FPL TRANSFORMERS, POOL PUMPS, ECT. SHALL BE SCREED ON A MINIMUM OF THREE SIDE BY LANDSCAPE SHRUBS.

CORNER CLIP AND VISIBILITY TRIANGLES SHALL BE MAINTAINED FOR CLEAR SIGN VISIBILITY FROM THIRTY (30) INCHED TO EIGHT FEET HIGH (TREE AND PALM TRUNKS EXCLUDED).

ROOT BARRIERS SHALL BE INSTALLED WHERE REQUIRED BY LOCAL UTILITY COMPANY OR OTHER REGULATING AGENCIES.

WHERE FICUS SPECIES ARE USED, APPROPRIATE SETBACKS AND SAFEGUARDS (ROOT BARRIERS) SHALL BE REQUIRED.

ALL TREES AND PALMS SHALL BE STAKED/GUYED IN ACCORDANCE WITH THE SPECIFICATIONS AND PLANTING DETAILS.

ALL PLANTING BEDS SHALL BE SHAPED AND SLOPED TO PROVIDE PROPER DRAINAGE.

LOCAL UTILITY AND FIRE RESCUE CLEARANCE ZONES SHALL BE PROVIDE AROUND ALL ABOVE GROUND OR AT GRADE METERS AND EQUIPMENT.

STREET TREE LOCATIONS SHALL BE COORDINATED WITH DRIVEWAYS, STREET LIGHTS, UTILITIES AND FIRE HYDRANTS.

THERE SHALL BE A MINIMUM SIX FEET SEPARATION BETWEEN LANDSCAPE AND UTILITIES, LANDSCAPE PLANTING SHALL BE IN CONFORMANCE WITH FPL GUIDELINES FOR SETBACKS FROM OVERHEAD UTILITY LINES.

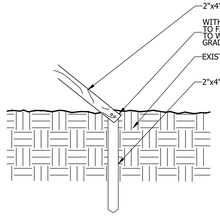
ALL PLANTING AREA SHALL BE EXCAVATED TO A DEPTH OF 30" MINIMUM AND BACKFILLED WITH A SOIL MIX CONSISTING IF ¼ NATIVE SOIL, ½ CLEAN SAND AND ½ COMPOSED COW MANURE OR COMPARABLE COMPOSED ORGANIC MATERIAL.

EASEMENTS SHALL NOT ENCROACH LANDSCAPE BUFFERS MORE THAN FIVE FEET.

FOOT TYPE D OR F CURB SHALL BE PROVIDED ALONG THE PERIMETER OF ALL LANDSCAPE, OPEN SPACE, DRAINAGE AND GRADED AREAS ADJACENT TO PAVED VEHICULAR USE AREAS, EXCEPT WHERE WHEEL STOPS ARE PROVIDED.

CORNER CLIPS AND VISIBILITY TRIANGLES SHALL BE MAINTAINED CLEAR OF VEGETATION TO PROVIDE UNOBSTRUCTED VISIBILITY BETWEEN 30" AND 8" ABOVE CROWN OF PAVEMENT.

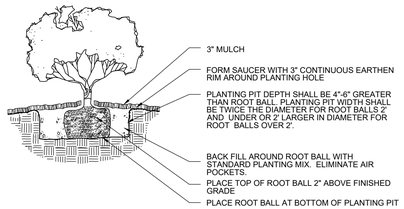
LIGHT POLES, FIRE HYDRANTS, ELECTRICAL/MECHANICAL EQUIPMENT, SIGNS, DRAINAGE STRUCTURES, ECT. SHALL BE INTERFERE WITH LANDSCAPING IN TERMINAL ISLANDS, INTERIOR ISLANDS, MEDIANS, DIAMONDS, BUFFERS OR OTHER LANDSCAPED AREAS.



WOOD STAKING DETAIL

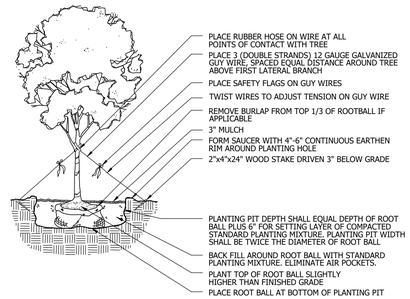
NTS

PLANTING DETAILS



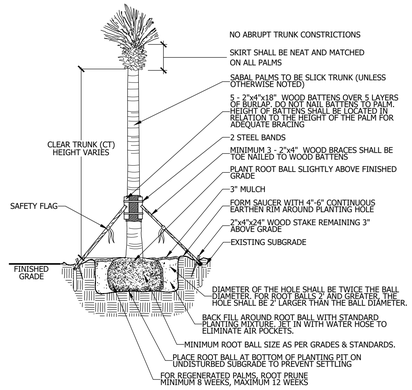
SHRUB/GROUNDCOVER PLANTING DETAIL

NTS



LARGE TREE PLANTING DETAIL

NTS

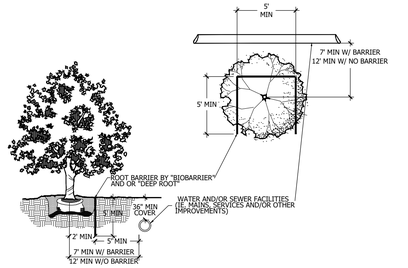


SABAL PALM PLANTING DETAIL

NTS

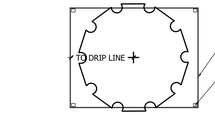
LANDSCAPE AND ROOT BARRIER NOTE:
TREES SHOWN ON THIS PLAN ARE FOR GRAPHIC REPRESENTATION ONLY. TREE SPACING IS BASES ON DESIGN REQUIREMENTS AND THE TREES SHOWN ON THESE PLANS ATTEMPT TO ACCOMPLISH THAT SPACING WHILE MAINTAINING THE REQUIRED SETBACKS FROM UTILITIES. TREES MAY BE FIELD ADJUSTED TO AVOID CONFLICTS WITH DRIVEWAYS AND UNDERGROUND UTILITIES. IN ANY CASE THE TREES SHALL BE LOCATED IN THE FIELD IN ACCORDANCE WITH THE PLANTING DETAILS SHOW HEREON.

ADDITIONALLY, TREES ARE TO BE INSTALLED WITH A TEN FOOT (10') SEPARATION FROM ANY WATER OR SEWER MAIN AND /OR SERVICE, HYDRANTS, AND LIFT STATIONS. IF A TEN FOOT (10') SEPARATION CANNOT BE ACHIEVED, THE TREE SHALL BE INSTALLED WITH A ROOT BARRIER SYSTEM. REFER TO THE "ROOT BARRIER" DETAIL FOR INSTALLATION REQUIREMENTS. PER SEC. 34-189, ALL TREES WITH ROOTS KNOWN TO CAUSE DAMAGE TO PUBLIC ROADWAYS OR OTHER PUBLIC WORKS SHALL NOT BE PLANTED CLOSER THAN 12' TO SUCH PUBLIC IMPROVEMENTS UNLESS THE TREE ROOT SYSTEM IS COMPLETELY CONTAINED WITHIN A BARRIER FOR WHICH THE MINIMUM INTERIOR DIMENSIONS SHALL BE FIVE FEET SQUARE OR AN EQUIVALENT AND FIVE FEET DEEP. ONLY SOD CAN BE INSTALLED WITHIN 7.5' OF A FIRE HYDRANT UNLESS OTHERWISE APPROVED BY THE FIRE MARSHAL.



ROOT BARRIER DETAIL

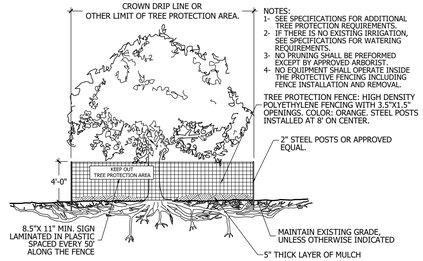
NTS



TREE PROTECTION DETAIL

PLAN VIEW

NTS



TREE PROTECTION DETAIL

SECTION VIEW

NTS

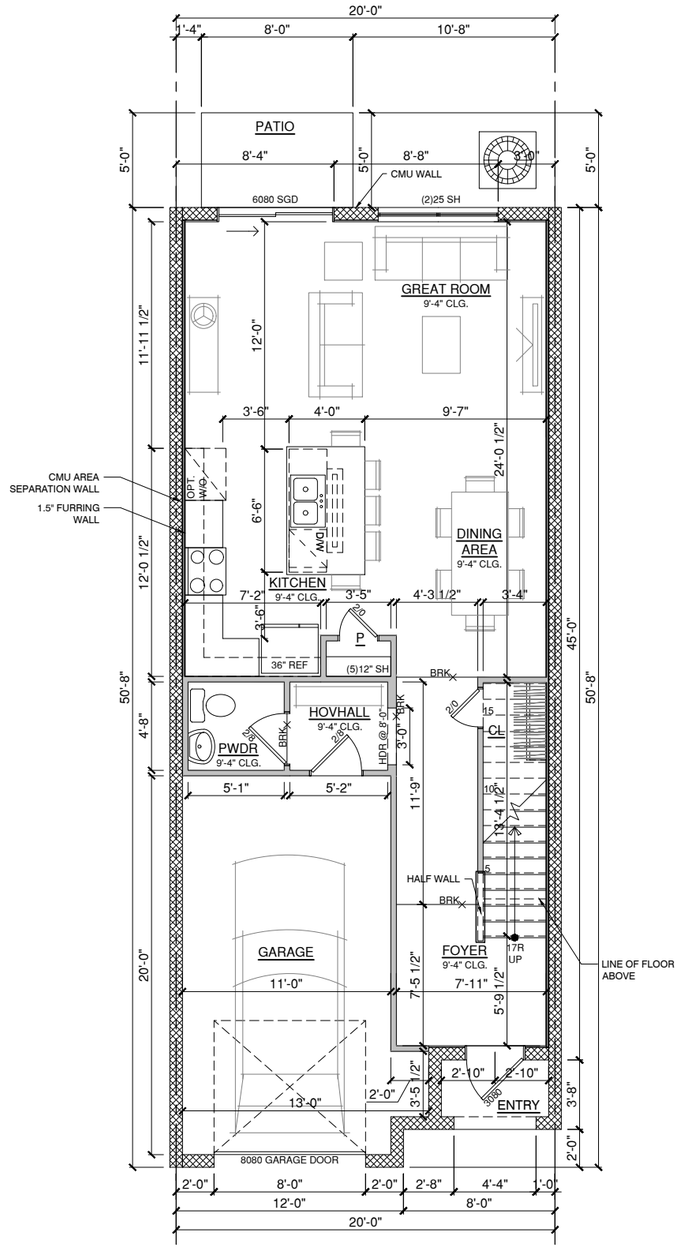
PLANT LIST

TREES	QTY	BOTANICAL NAME	COMMON NAME	CONT	CAL	SIZE	NATIVE	LOW MAINT	REMARKS
BA	10	BULNESIA ARBOREA	VERAWOOD	45 GAL. OR F.G.	2.5"Cal	12`-14` HT, 6`-8` SPRD	N	Y	SINGLE STRAIGHT TRUNK. FULL CANOPY.
BS	39	BURSERA SIMARUBA	GUMBO LIMBO	45 GAL. OR F.G.	2.5-3" CAL.	12`-14` O.A. HT., 6`-8` SPD.	Y		FULL CANOPY
CA	2	CALOPHYLLUM BRASILIENSE	BRAZILIAN BEAUTY LEAF	30 GAL. OR F.G.	2" CAL	12` HT X 5` SPRD	N		FULL CANOPY
DR	5	DELONIX REGIA	ROYAL POINCIANA	45 gal	2.5" CAL	14`-16` OA HT.			SINGLE STRAIGHT TRUNK. FULL CANOPY. FLORIDA FANCY.
ED	19	ELAEOCARPUS DECIPIENS	JAPANESE BLUEBERRY TREE	45 GAL. OR F.G.	N.A.	12`-14` x 5` SPRD.	N		FULL & THICK CANOPY, SHEARED CONICAL SHAPE. FLORIDA FANCY. 4` CT SINGLE STRAIGHT TRUNK. MATCHED,
HRS	4	HIBISCUS STANDARD	HIBISCUS TREE	15 gal	N.A.	6` O.A., STANDARD	N		FULL HEAD, THICK TRUNK, SEMINOLE PINK
JAT	1	JATROPHA INTEGERIMA	JATROPHA	25 GAL	1.5" CAL	5` OA MULTI STEM	N	N	FULL & THICK, FLORIDA FANCY.
JB	3	JUNIPERUS SILICICOLA `BRODIE`	BRODIE SOUTHERN RED CEDAR	45 gal	N.A.	12` O.A.	Y	Y	FULL & THICK, FULL TO BASE.
LI	1	LAGERSTROEMIA INDICA `MUSKOGEE` OR `TUSKEGEE`	CREPE MYRTLE	30 GAL	1.5" CAL	12` HT X 4` SPRD	N		MULTI, LIMB UP 5`. CHERRY LAKE NURSERY.
LJ	3	LIGUSTRUM JAPONICUM	JAPANESE PRIVET	45 GAL. OR F.G.	3 TRK MIN., 1"-2" CAL. EA.	6` HT., 6` SPD.			FULL CANOPY, MULTI TRUNK, LIMB UP 3`
QV	61	QUERCUS VIRGINIANA	LIVE OAK	45 GAL. OR F.G.	2" CAL. MIN	12`-14` OA	Y		FULL CANOPY, FL #1
PALM TREES	**QTY**	**BOTANICAL NAME**	**COMMON NAME**	**CONT**	**CAL**	**SIZE**	**NATIVE**	**LOW MAINT**	**REMARKS**
CH	1	CHAMAEROPS HUMILIS	EUROPEAN FAN PALM	30 GAL	N.A.	4`-5` O.A.	N	N	MULTI TRUNK, FULL CANOPY.
RE	14	ROYSTONEA ELATA	ROYAL PALM * *	FIELD GROWN	N.A.	8` GW, 16` CT, 24` OA	Y		FULL CANOPY. MATCHED.
SP	82	SABAL PALMETTO	SABAL PALM	FIELD GROWN	N/A	18`, 22`, 26` OA STGG	Y		SLICK TRUNK, STRAIGHT, SEE PLAN FOR OVERALL HEIGHTS
SP2	7	SABAL PALMETTO	CURVED CABBAGE PALM	N.A.	N.A.	14`-16` OA	Y	Y	STRONG, UNIQUE CURVES, SLICK TRUNKS
TR	4	THRINAX RADIATA	TRIPLE THATCH PALM	FIELD GROWN	MULTI TRUNK	7`-8` HT X 3`-4` SPRD	Y	Y	FULL & THICK
SHRUBS	**QTY**	**BOTANICAL NAME**	**COMMON NAME**	**CONT**	**SIZE**	**SPACE**	**NATIVE**	**LOW MAINT**	**REMARKS**
CIR	665	CHRYSOBALANUS ICACO `RED TIP`	RED TIP COCOPLUM	15 GAL	48" X 36"	A.S.	Y		FULL & THICK
CLD15	119	CLUSIA GUTTIFERA	SMALL-LEAF CLUSIA	15 gal	30"X30"	3` O.C.	Y		FULL & THICK, FLORIDA FANCY
CG7	154	CLUSIA GUTTIFERA	SMALL LEAF CLUSIA	7 GAL.	#7, 3` X 2`	A.S.			FULL TO BASE
CLP	6	CRINUM ASIATICUM `QUEEN EMMA`	RED CRINUM LILY	15 GAL.	3` X 3`	A.S.			FULL & THICK
FF	1	FURCRAEA FOETIDA	FALSE AGAVE	7 gal.	3` O.A.	A.S.	N	N	FULL & THICK
PM7	68	PODOCARPUS MACROPHYLLUS	PODOCARPUS	7 gal	6`	2` O.C.	N		FULL & THICK
SA	24	SCHEFFLERA `TRINETTE`	TRINETTE	3 GAL	1.5` X 1.5`	2` O.C.			FULL & THICK
GROUND COVERS	**QTY**	**BOTANICAL NAME**	**COMMON NAME**	**CONT**	**SIZE**	**SPACE**	**NATIVE**	**LOW MAINT**	**REMARKS**
AG	86	ARACHIS GLABRATA	PERENNIA PEANUT	4" POT	6" X 6"	12" OC	N		
BF	80	BULBINE FRUTESCENS	STALKED BULBINE	3 GAL	12" x 12"	24" OC			
CID	334	CHRYSOBALANUS ICACO `HORIZONTAL`	DWARF COCOPLUM	3 GAL	12" x 12"	24" O.C.	Y		FULL & THICK, NOT STRETCHED, FLORIDA FANCY
CODM2	71	CODIAEUM VARIGAGO `MANGO`	MANGO CROTON	7 GAL	24" X 24"	24" O.C.	N		FULL & THICK
FG	237	FICUS MACROPHYLLA `GREEN ISLAND`	GREEN ISLAND FICUS	3 GAL	12" x 12"	24" O.C.			FULL AND THICK
HP*	230	HAMELIA PATENS	FIREBUSH	3 GAL	18" X18"	30" O.C.	Y	N	FULL & THICK
HS	18	HIBISCUS RED `SEMINOLE PINK`	SEMINOLE PINK HIBISCUS	1 GAL	24" X 24"	24" O.C.	N		FULL & THICK
IV	23	ILEX VOMITORIA `SHILLINGS DWARF`	DWARF YAUPON HOLLY	3 GAL	15" X 15"	24" OC	Y		FULL &

FRONT LOAD TOWNHOME PRODUCT

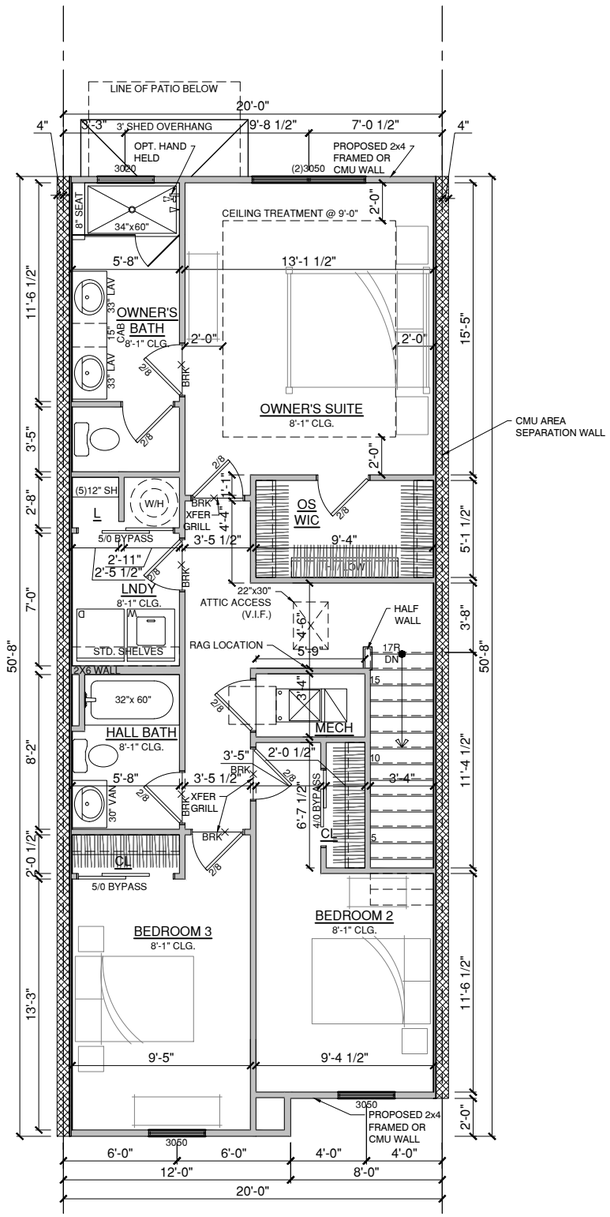
Arabella II

1683 SQFT :: 20' x 50'-8"



FIRST FLOOR :: 729 SQFT

BASE PLAN :: INTERIOR



SECOND FLOOR :: 954 SQFT

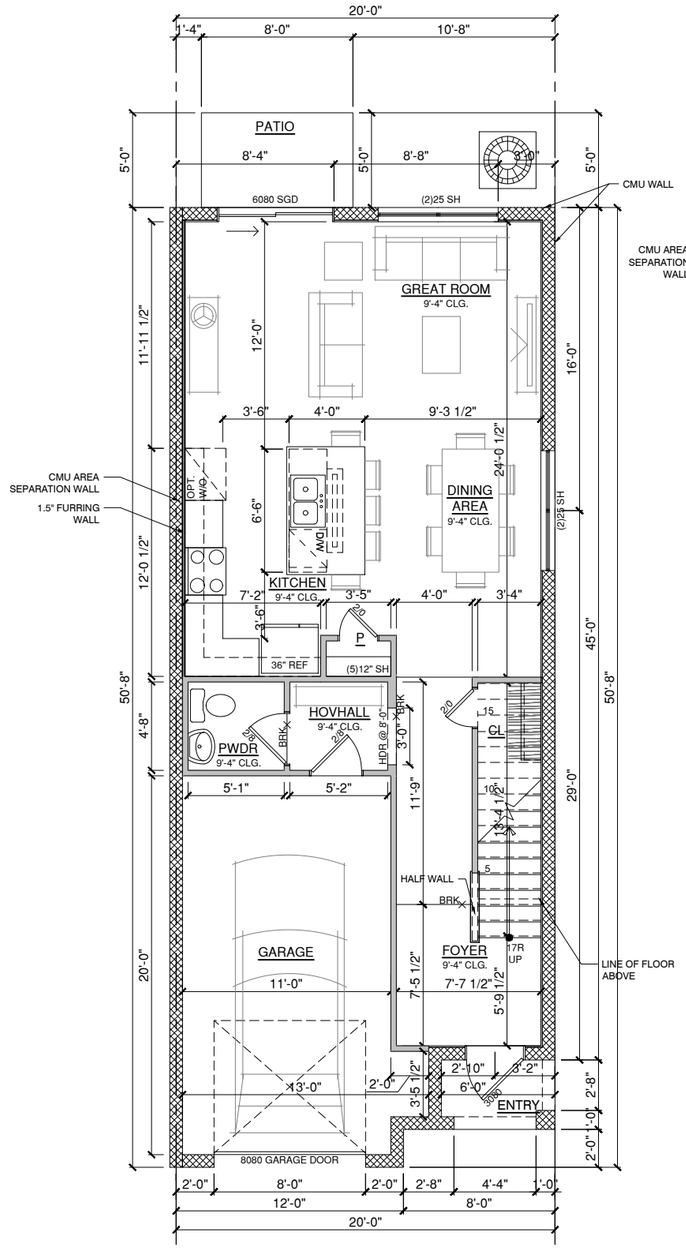
BASE PLAN :: INTERIOR

FLORIDA :: SOUTHEAST FLORIDA

Boatman's Hammock

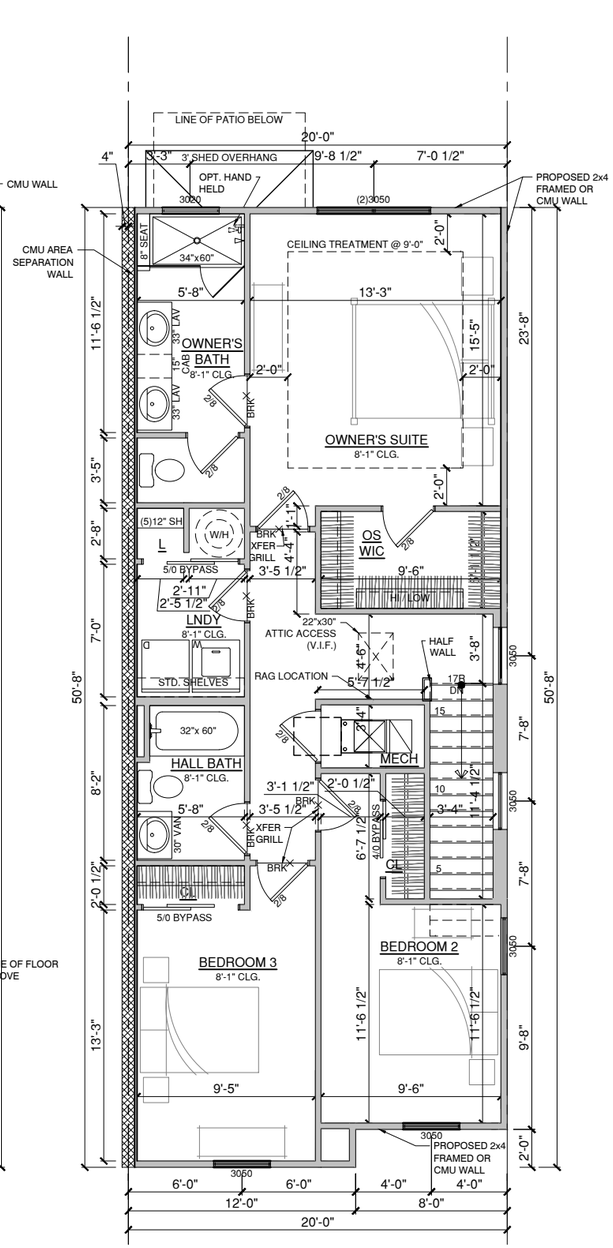
Arabella III

1680 SQFT :: 20' x 50'-8"



FIRST FLOOR :: 729 SQFT

BASE PLAN :: EXTERIOR



SECOND FLOOR :: 951 SQFT

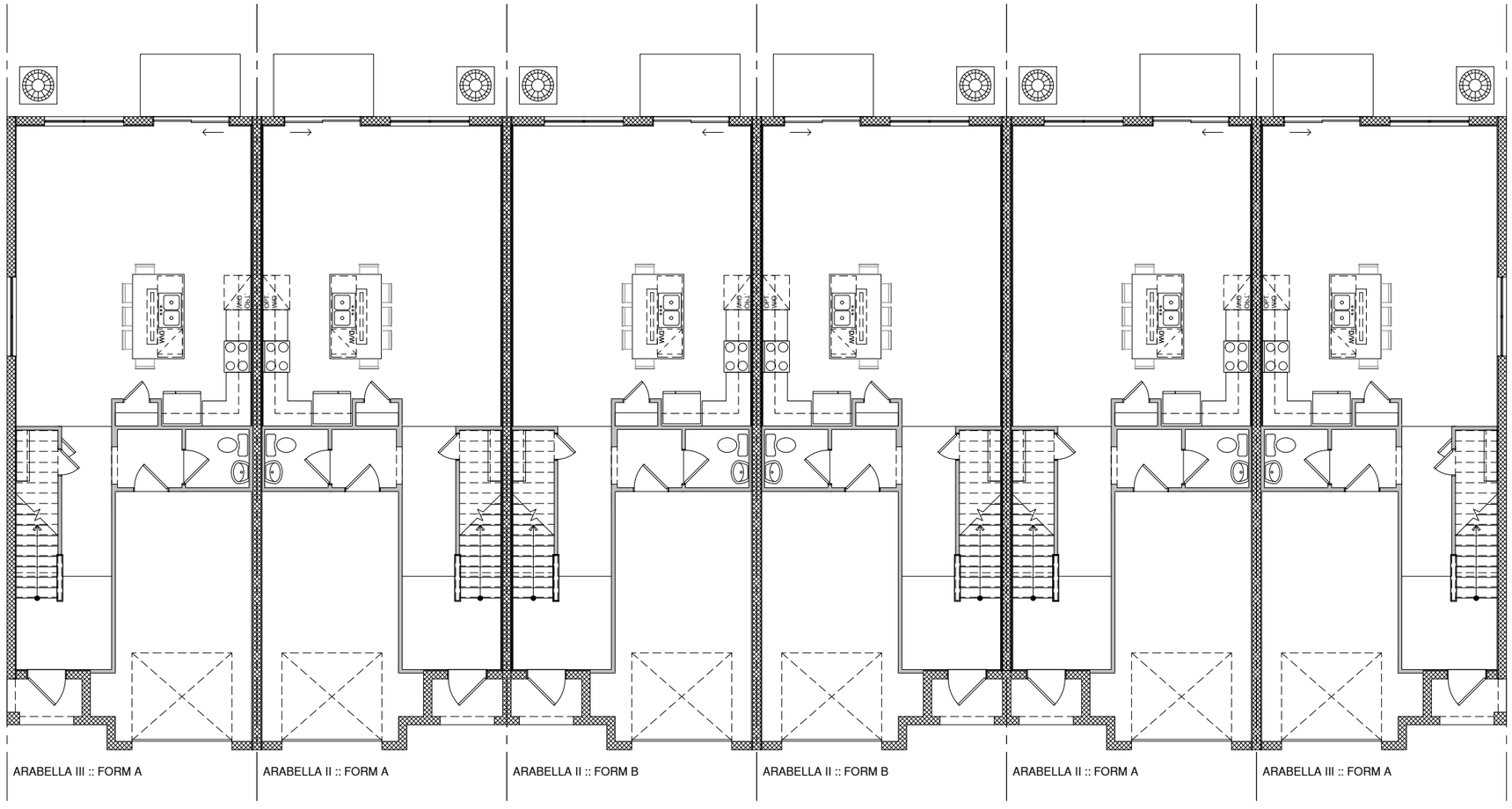
BASE PLAN :: EXTERIOR

FLORIDA :: SOUTHEAST FLORIDA

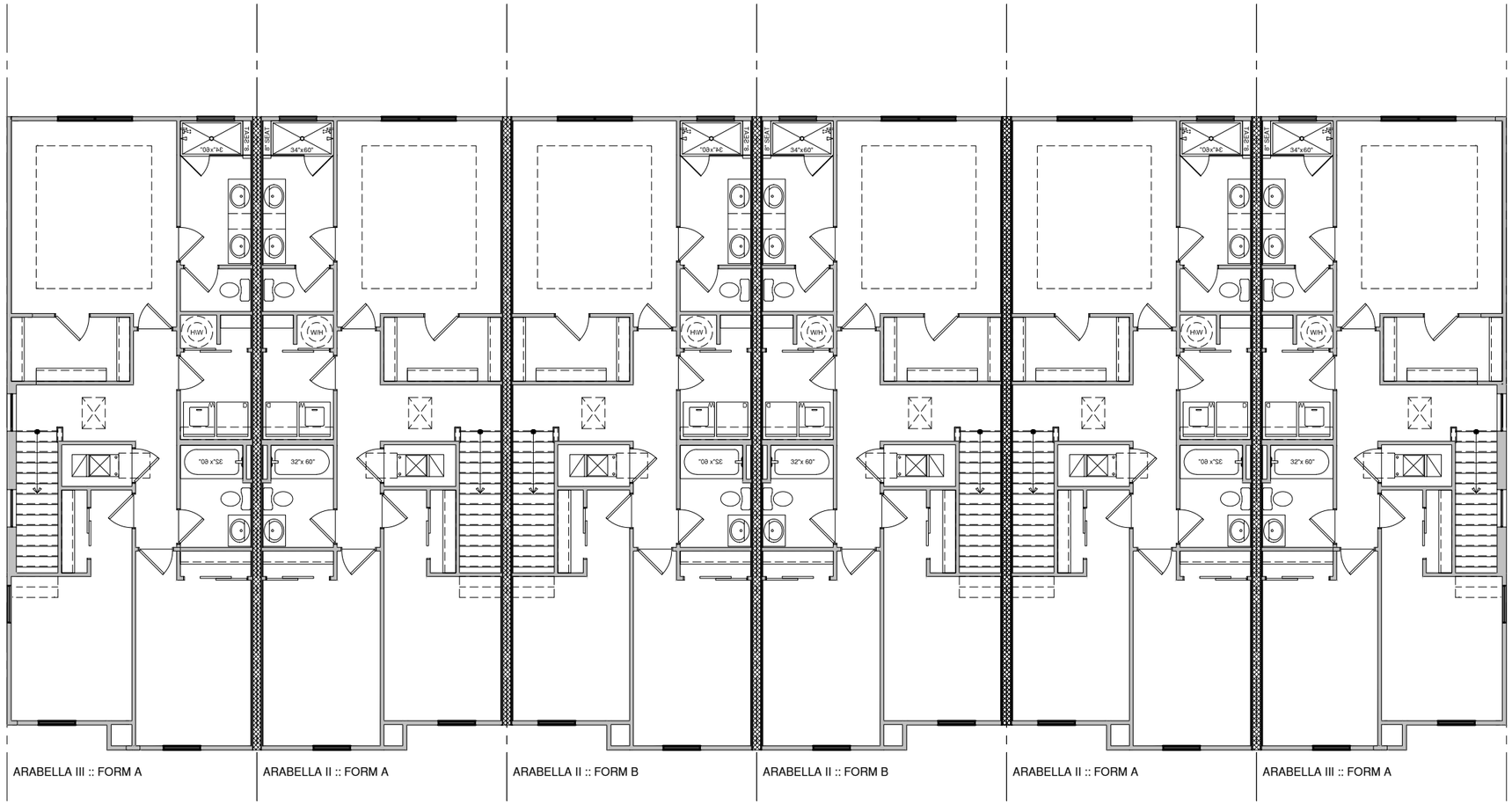
Boatman's Hammock

KHovnanian® Companies

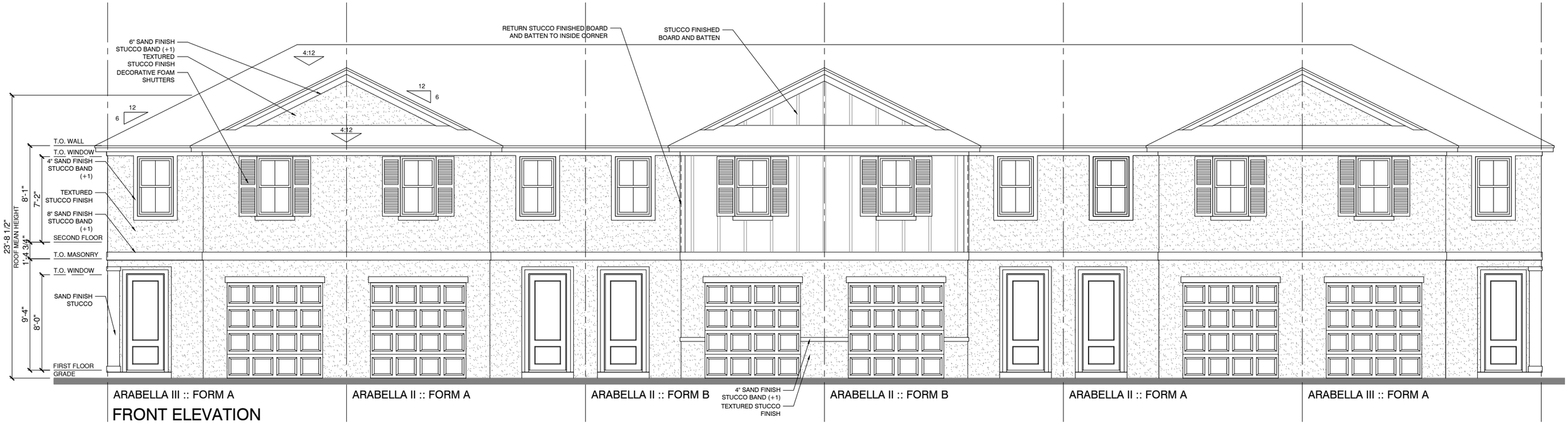
Corporate Product Development :: NYC Design Studio



6 STRING :: 1ST FLOOR
BASE PLAN



6 STRING :: 2ND FLOOR
BASE PLAN



FRONT ELEVATION



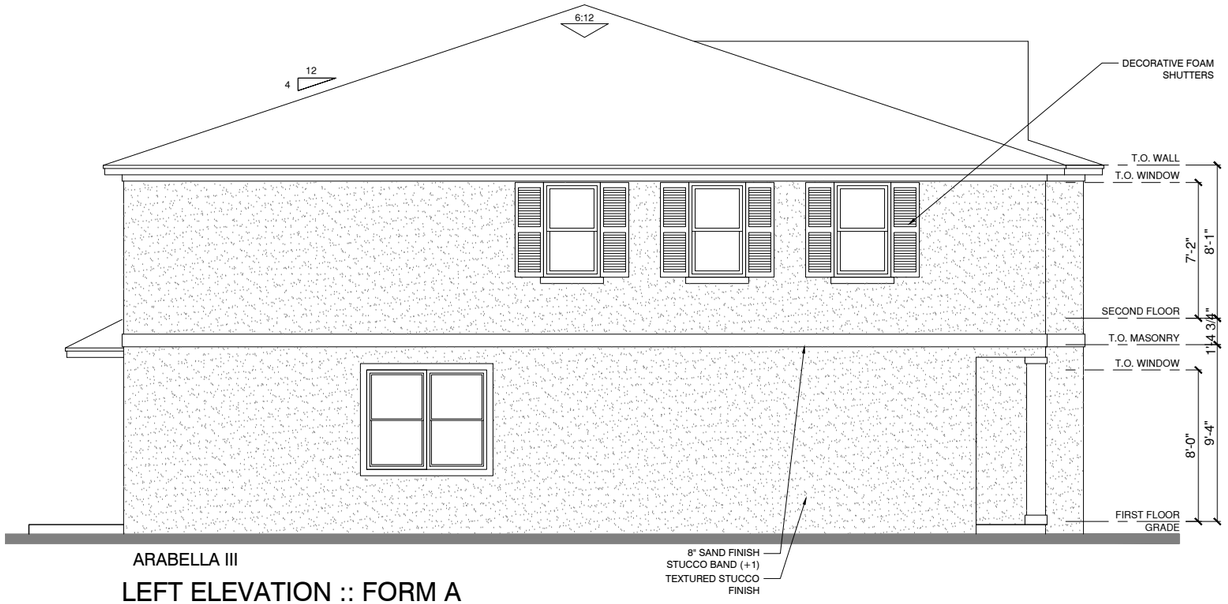
REAR ELEVATION

FLORIDA :: SOUTHEAST FLORIDA

Boatman's Hammock

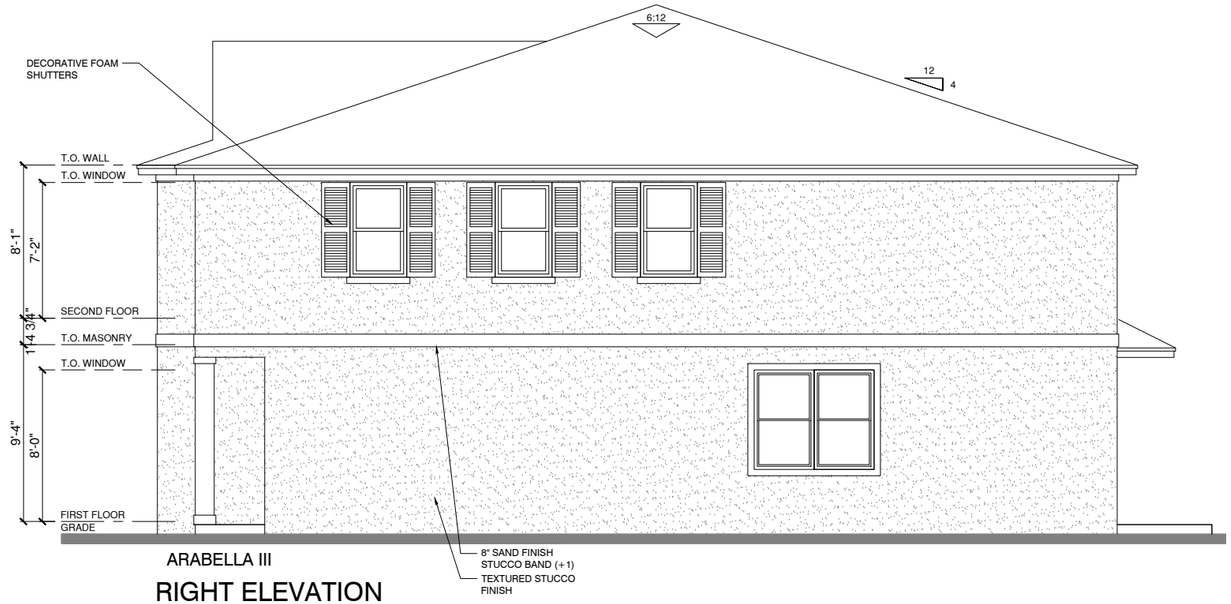
K Hovnanian® Companies

Corporate Product Development :: NYC Design Studio



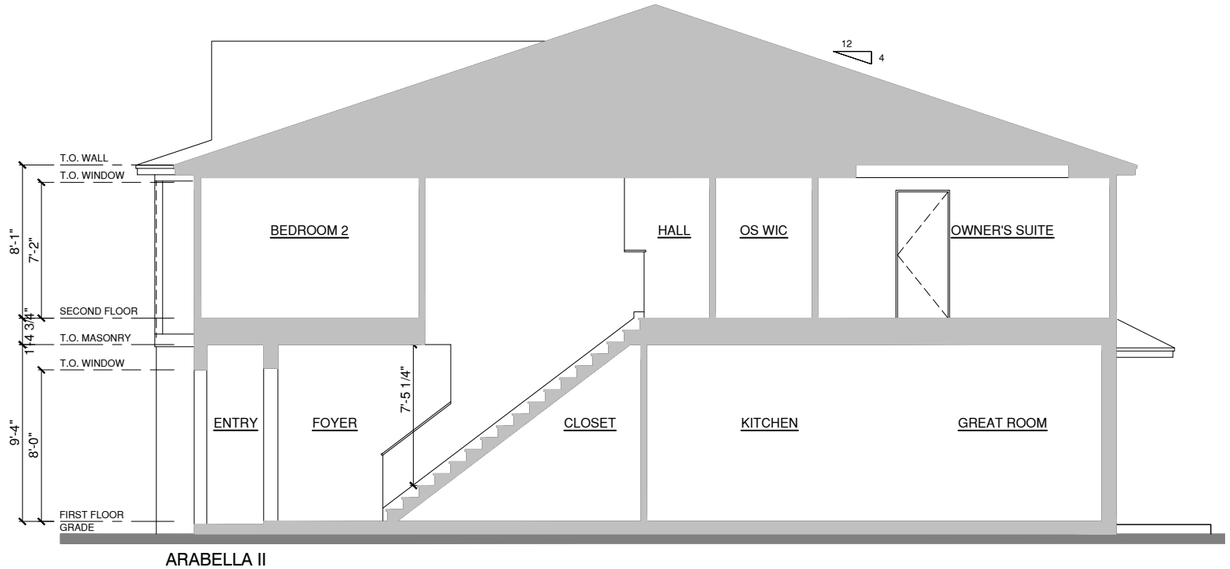
ARABELLA III

LEFT ELEVATION :: FORM A



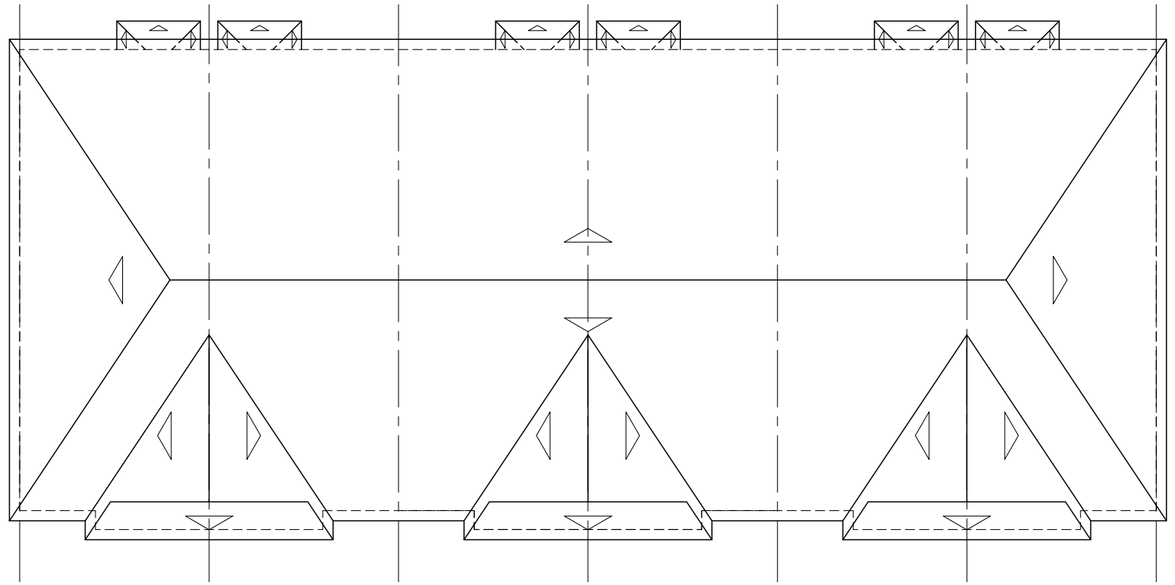
ARABELLA III

RIGHT ELEVATION



ARABELLA II

BULDING SECTION



ROOF PLAN

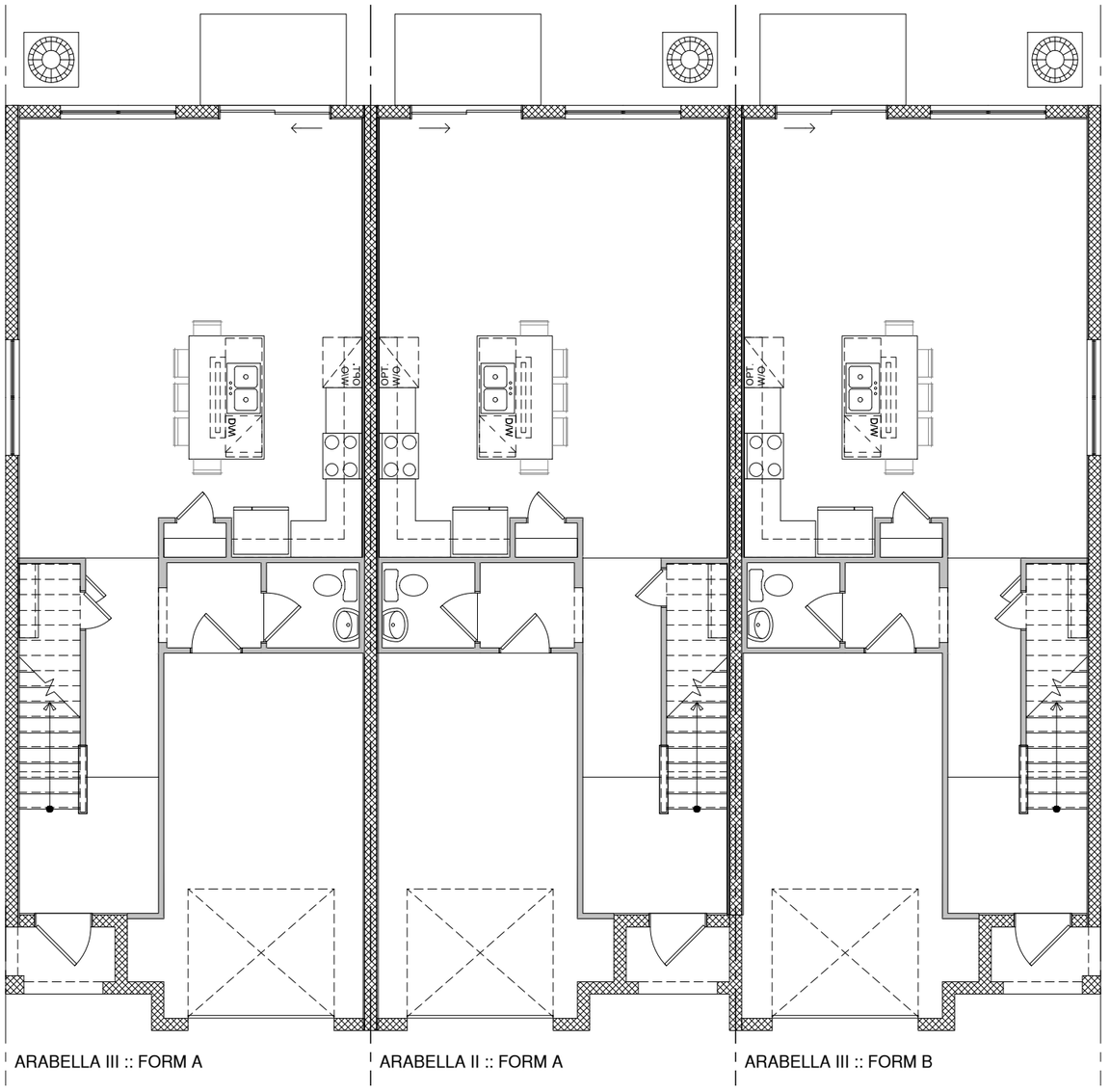
FORM A

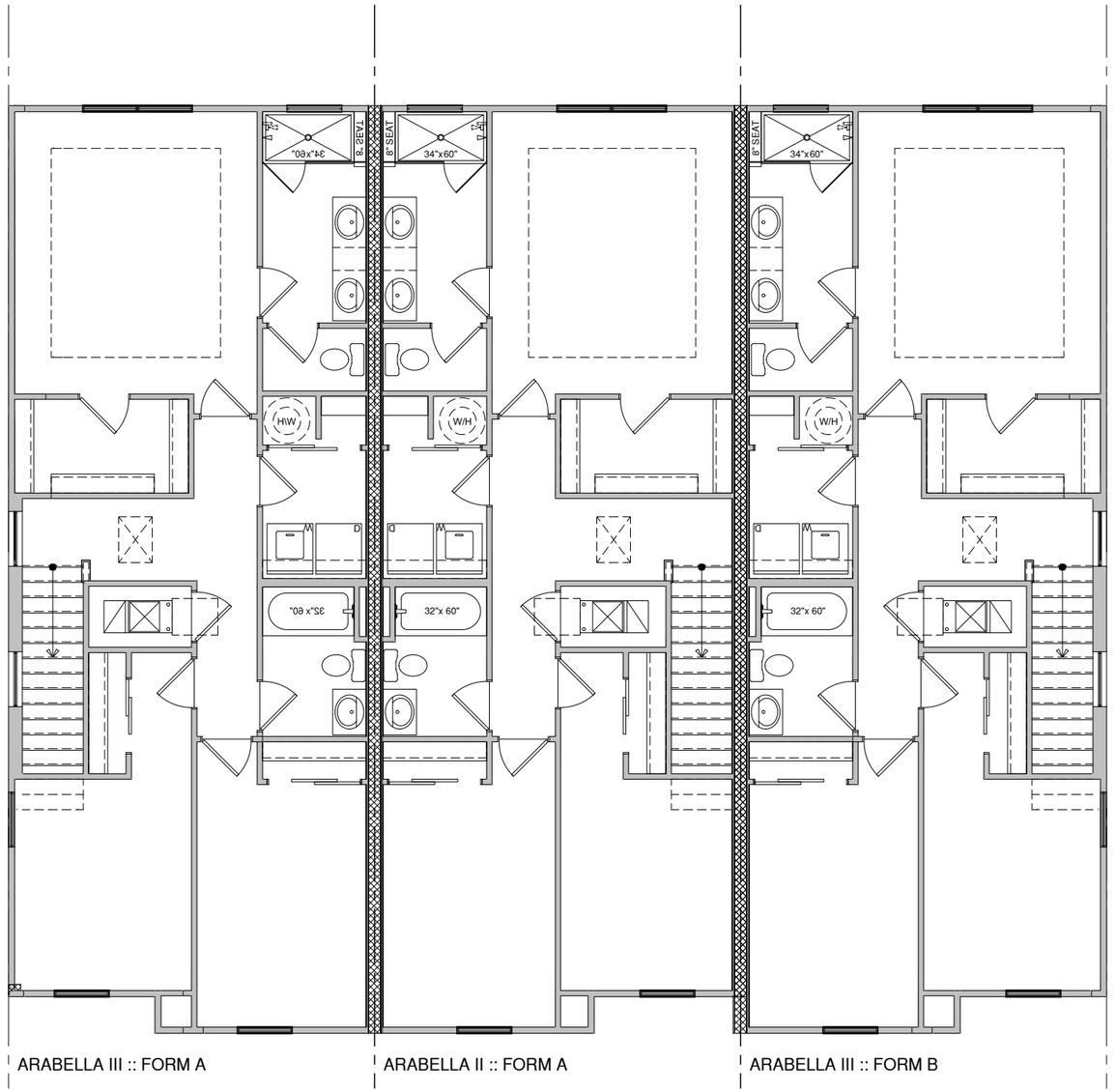
SCALE :: 1/16" = 1'-0"

FLORIDA :: SOUTHEAST FLORIDA

Boatman's Hammock

KHovnanian® Companies


W/D
OPT. W/D
OPT. W/D
W/D
W/D
ARABELLA III :: FORM A
ARABELLA II :: FORM A
ARABELLA III :: FORM B


34"x60"
34"x60"
34"x60"
HW
W/H
W/H
32"x 60"
32"x 60"
32"x 60"
ARABELLA III :: FORM A
ARABELLA II :: FORM A
ARABELLA III :: FORM B



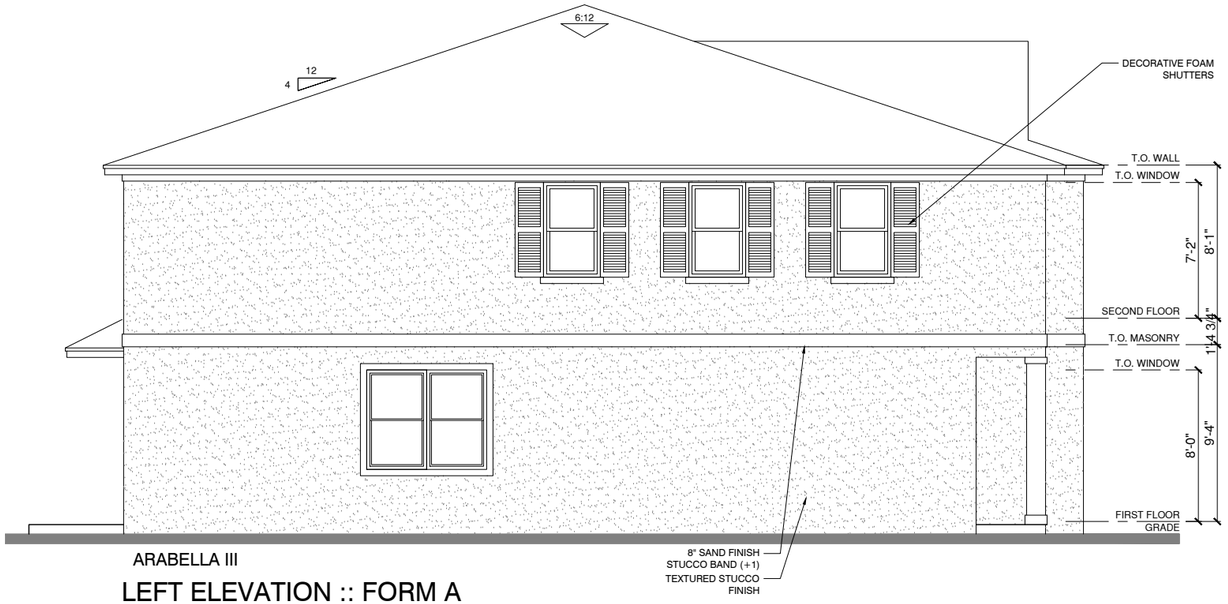
ARABELLA III :: FORM A | ARABELLA II :: FORM A | ARABELLA III :: FORM B

FRONT ELEVATION



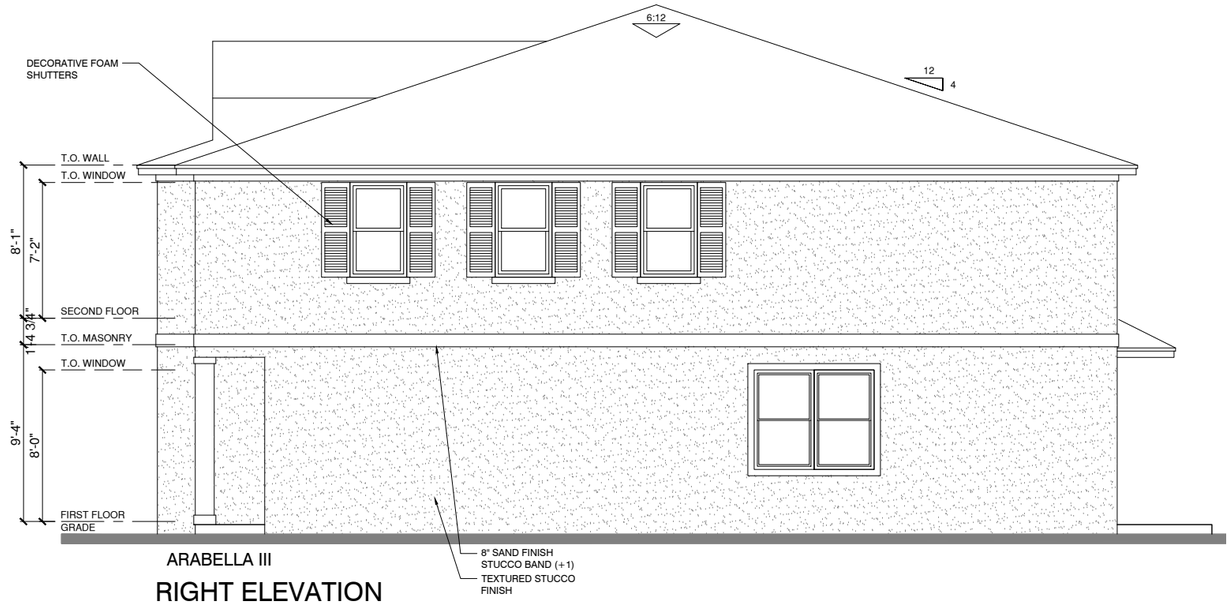
ARABELLA III :: FORM A | ARABELLA II :: FORM A | ARABELLA III :: FORM B

REAR ELEVATION



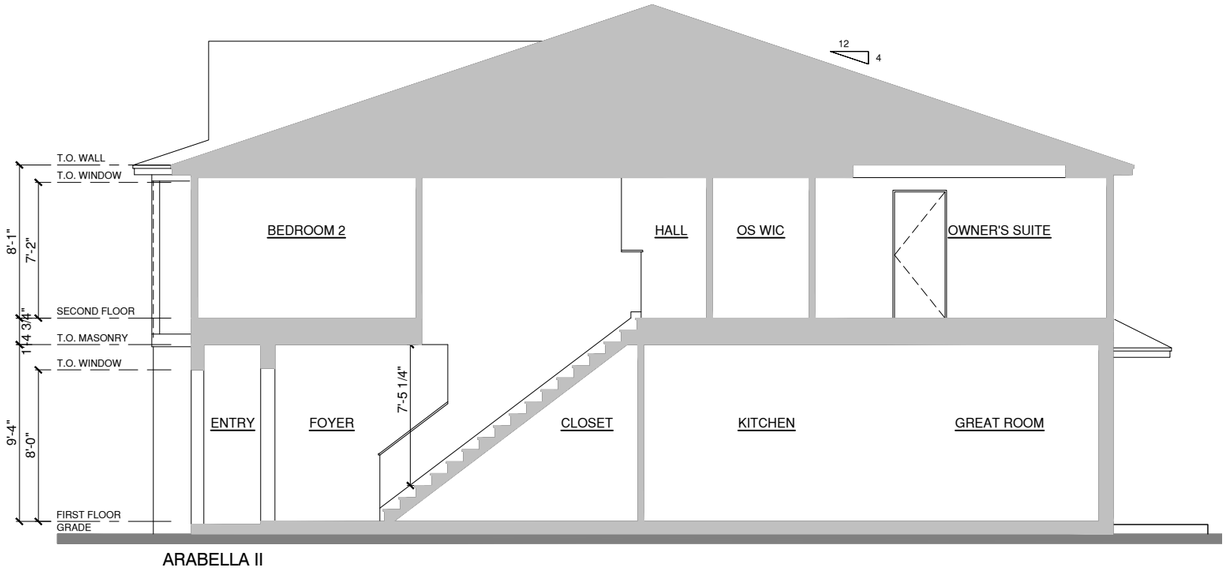
ARABELLA III

LEFT ELEVATION :: FORM A



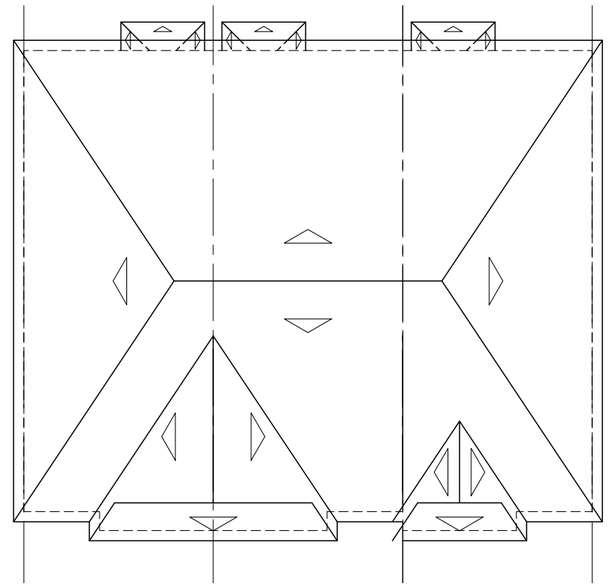
ARABELLA III

RIGHT ELEVATION



ARABELLA II

BULDING SECTION



ROOF PLAN

FORM A

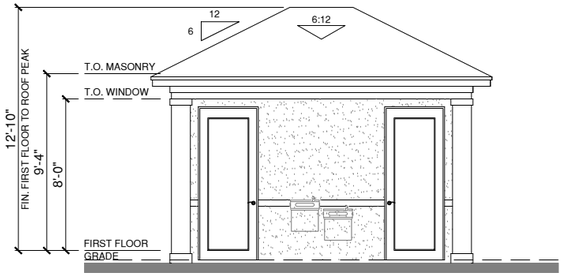
SCALE :: 1/16" = 1'-0"

FLORIDA :: SOUTHEAST FLORIDA

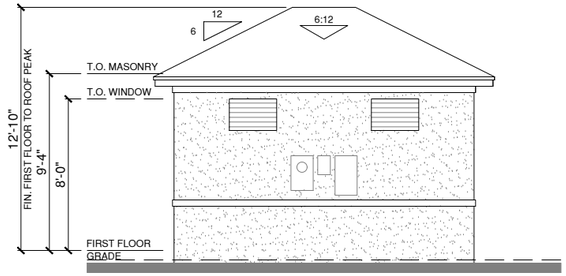
Boatman's Hammock

KHovnanian® Companies

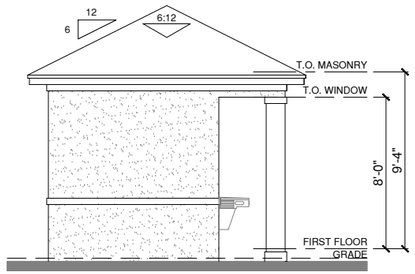
Corporate Product Development :: NYC Design Studio



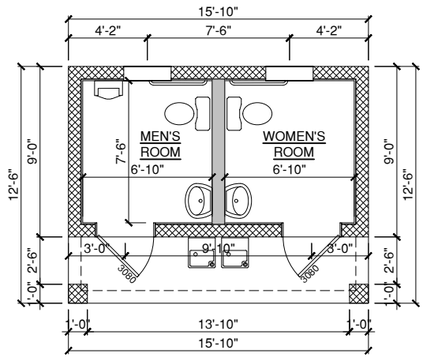
FRONT ELEVATION



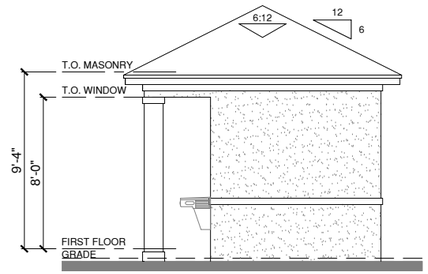
REAR ELEVATION



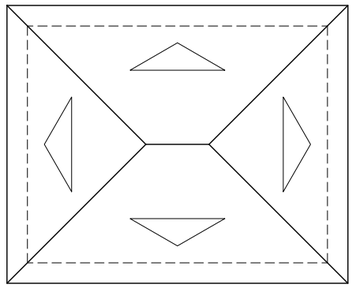
LEFT ELEVATION



FIRST FLOOR :: 142 SQFT



RIGHT ELEVATION

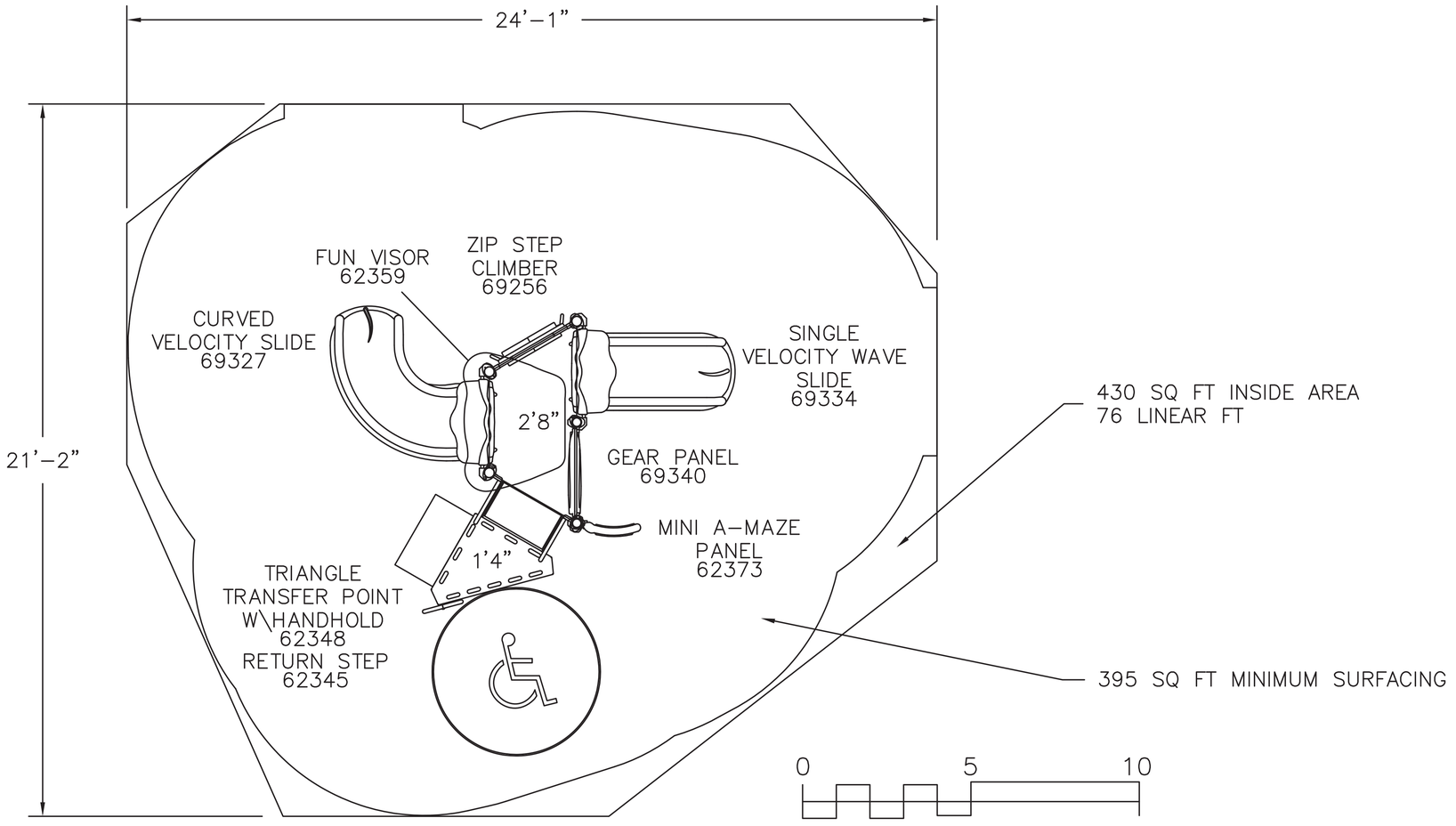


ROOF PLAN

2016 CATALOG UNIT 10-94434 Play and Park Structures	This play equipment is recommended for children ages: 2-5 Minimum Area Required: 24'-1" x 21'-2"	Scale: 1/4"=1' This drawing can be scaled only when in an 11" x 17" format	Drawn By: Charlie Walcott Date: 11/11/15 Quote Number: 10-00003	play&park structures A PLAYCORE Company 401 Chestnut St., Ste. 410 Chattanooga, TN 37402 800-727-1907 / www.playandpark.com		Total Play Components Elevated Play Components Elevated Play Components Accessible by Ramp Elevated Components Accessible by Transfer Accessible Ground Level Components Shown Different Types of Ground Level Components	5 4 0 4 1 1	 Req. Req. Req. Req.	 0 2 1 1	User Capacity 10-20 Critical Fall Height 2'-8"

DURAmax PLAY SYSTEMS

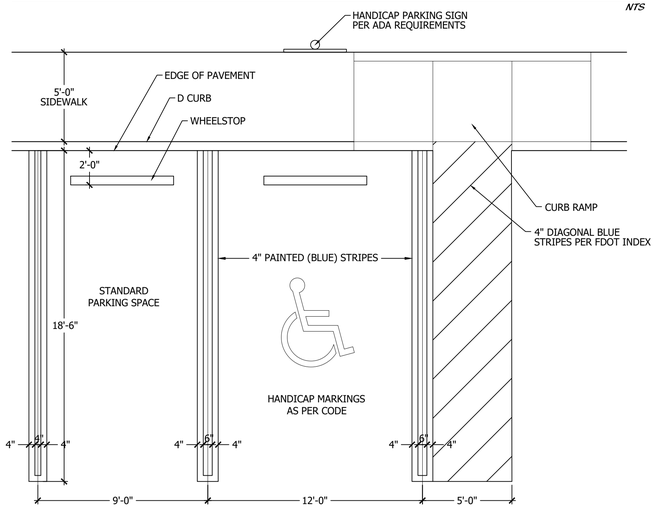
ISO 9001 CERTIFIED



It is the manufacturer's opinion that the structure shown herein complies with current ada standards concerning accessibility if used with proper accessible surfacing and together with other necessary ground level play equipment.
IMPORTANT: Never install play equipment over hard, unresilient surfaces such as asphalt, concrete, or compacted earth. It is the owner's responsibility to ensure the "minimum area required" contains an appropriate amount of resilient material to cushion accidental falls.

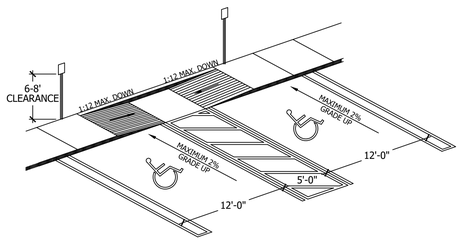
STANDARD AND HANDICAP PARKING DETAIL

NTS



HANDICAP RAMP DETAIL

NTS

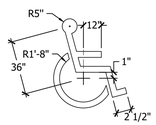


NOTE: IN THIS APPLICATION RAMPS CAN BE SEPARATED AND SIDEWALK CAN BE FLUSH ACROSS ALL HC SPACES

NOTE: HCR#3-MOD MEANS ONLY 1 RAMP BUILT TO REQUIRED SIDE OF SIDEWALK. OR RAMPS SEP. TO ENDS OF HC SPACES

HANDICAP SYMBOL DETAIL

NTS

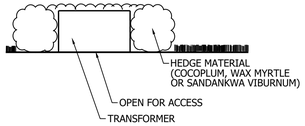


NOTE: SYMBOL TO BE 4" WIDE WHITE TRAFFIC PAINT ON PAVEMENT OR COLORED PAVERS . TYPICAL @ ALL HANDICAP STALLS

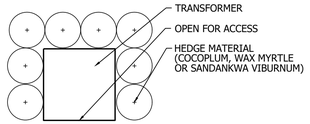
TRANSFORMER DETAIL

NTS

ELEVATION VIEW



PLAN VIEW



BIKE RACK DETAIL

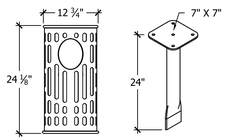
NTS



TYPE: MADRAX 5 LOOP HEAVY DUTY WINDER
COLOR: LEXINGTON GREEN OR BLACK
FINISH: POWDER COAT

TRASH CAN DETAIL

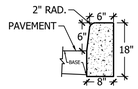
NTS



TYPE: WABASH VALLEY ASH URN
COLOR: GREEN OR BLACK / RIB PATTERN
FINISH: POWDER COAT

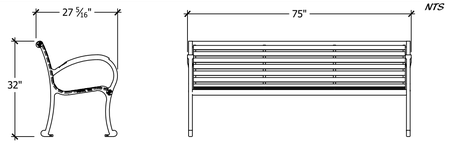
D CURB DETAIL

NTS



BENCH DETAIL

NTS



TYPE: DUMOR 160 SERIES BENCH
COLOR: GREEN OR BLACK
FINISH: ZINC RICH AND POLYESTER POWDER COAT

PEDESTRIAN CROSSING SIGN

NTS



COLORS:
BACKGROUND = YELLOW
IMAGE = BLACK

24" HT X 24" W

HANDICAP SIGN DETAIL

NTS



COLORS:
TOP SYMBOL & BORDER = WHITE
BOTTOM TEXT & BORDER = BLACK
TOP BACKGROUND = BLUE
BOTTOM BACKGROUND = WHITE

PERIMETER FENCE DETAIL

NTS



6' HEIGHT
VINYL COATED CHAIN LINK
COLOR: GREEN OR BLACK

STOP SIGN DETAIL

NTS



COLORS:
BACKGROUND = RED
LETTERS = WHITE
BOARDER = WHITE

30" HT X 30" W
2" CONTINUOUS BORDER

Site Details

Cotleur & Hearing
Landscape Architects
Land Planners
Environmental Consultants
1934 Commerce Lane
Suite 1
Jupiter, Florida 33458
561.747.6336 · Fax 747.1377
www.cotleurhearing.com
Lic# LC-26000535

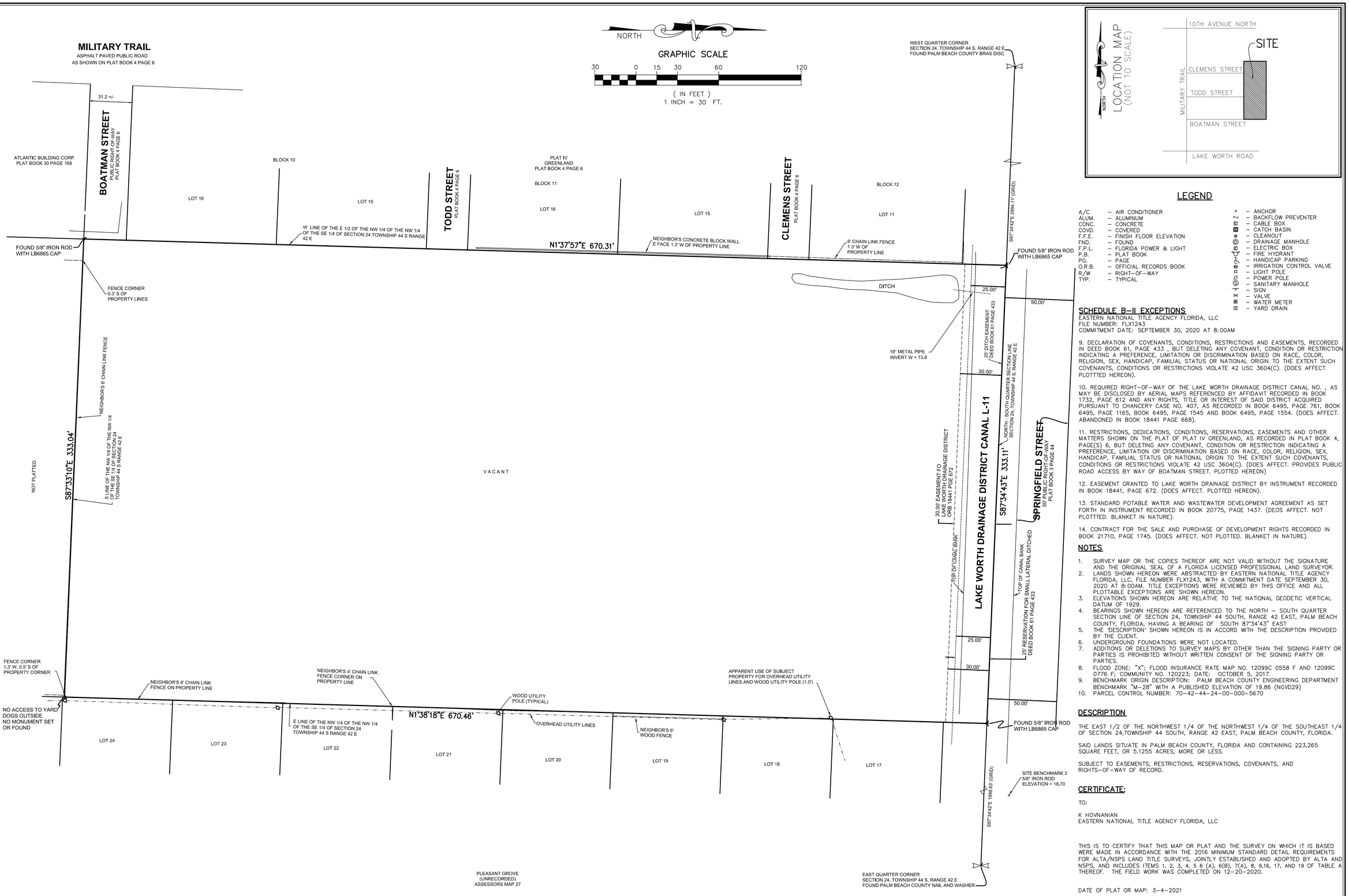
Boatman Hammock
Palm Springs, Florida

DESIGNED	DEH
DRAWN	RO/RNK
APPROVED	DEH
JOB NUMBER	20-0905
DATE	01-22-21
REVISIONS	02-25-21
	03-16-21
	05-04-21
	06-18-21
	09-17-21

September 17, 2021 4:13:50 p.m.
Drawing: 20-0905 SP.DWG

SHEET 2 OF 2

© COTLEUR & HEARING, INC.
These drawings are the property of the architect and are not to be used for extensions or on other projects except by agreement in writing with the architect. Immediately report any discrepancies to the architect.



LEGEND

A/C	– AIR CONDITIONER	⚓	– ANCHOR
ALUM.	– ALUMINUM	BFP	– BACKFLOW PREVENTER
CONC.	– CONCRETE	CB	– CABLE BOX
COVD.	– COVERED	CB	– CATCH BASIN
F.F.E.	– FINISH FLOOR ELEVATION	CO	– CLEANOUT
FND.	– FOUND	DMH	– DRAINAGE MANHOLE
F.P.L.	– FLORIDA POWER & LIGHT	EB	– ELECTRIC BOX
P.B.	– PLAT BOOK	FH	– FIRE HYDRANT
PG.	– PAGE	HP	– HANDICAP PARKING
O.R.B.	– OFFICIAL RECORDS BOOK	ICV	– IRRIGATION CONTROL VALVE
R/W	– RIGHT–OF–WAY	LP	– LIGHT POLE
TYP.	– TYPICAL	PP	– POWER POLE
		SMH	– SANITARY MANHOLE
		SIGN	– SIGN
		V	– VALVE
		WM	– WATER METER
		YD	– YARD DRAIN

SCHEDULE B–II EXCEPTIONS

EASTERN NATIONAL TITLE AGENCY FLORIDA, LLC
FILE NUMBER: FLX1243
COMMITMENT DATE: SEPTEMBER 30, 2020 AT 8:00AM

9. DECLARATION OF COVENANTS, CONDITIONS, RESTRICTIONS AND EASEMENTS, RECORDED IN DEED BOOK 61, PAGE 433 , BUT DELETING ANY COVENANT, CONDITION OR RESTRICTION INDICATING A PREFERENCE, LIMITATION OR DISCRIMINATION BASED ON RACE, COLOR, RELIGION, SEX, HANDICAP, FAMILIAL STATUS OR NATIONAL ORIGIN TO THE EXTENT SUCH COVENANTS, CONDITIONS OR RESTRICTIONS VIOLATE 42 USC 3604(C). (DOES AFFECT. PLOTTED HEREON).

10. REQUIRED RIGHT–OF–WAY OF THE LAKE WORTH DRAINAGE DISTRICT CANAL NO. , AS MAY BE DISCLOSED BY AERIAL MAPS REFERENCED BY AFFIDAVIT RECORDED IN BOOK 1732, PAGE 612 AND ANY RIGHTS, TITLE OR INTEREST OF SAID DISTRICT ACQUIRED PURSUANT TO CHANCERY CASE NO. 407, AS RECORDED IN BOOK 6495, PAGE 761, BOOK 6495, PAGE 1165, BOOK 6495, PAGE 1545 AND BOOK 6495, PAGE 1554. (DOES AFFECT. ABANDONED IN BOOK 18441 PAGE 668).

11. RESTRICTIONS, DEDICATIONS, CONDITIONS, RESERVATIONS, EASEMENTS AND OTHER MATTERS SHOWN ON THE PLAT OF PLAT IV GREENLAND, AS RECORDED IN PLAT BOOK 4, PAGE(S) 6, BUT DELETING ANY COVENANT, CONDITION OR RESTRICTION INDICATING A PREFERENCE, LIMITATION OR DISCRIMINATION BASED ON RACE, COLOR, RELIGION, SEX, HANDICAP, FAMILIAL STATUS OR NATIONAL ORIGIN TO THE EXTENT SUCH COVENANTS, CONDITIONS OR RESTRICTIONS VIOLATE 42 USC 3604(C). (DOES AFFECT. PROVIDES PUBLIC ROAD ACCESS BY WAY OF BOATMAN STREET. PLOTTED HEREON)

12. EASEMENT GRANTED TO LAKE WORTH DRAINAGE DISTRICT BY INSTRUMENT RECORDED IN BOOK 18441, PAGE 672. (DOES AFFECT. PLOTTED HEREON).

13. STANDARD POTABLE WATER AND WASTEWATER DEVELOPMENT AGREEMENT AS SET FORTH IN INSTRUMENT RECORDED IN BOOK 20775, PAGE 1437. (DEOS AFFECT. NOT PLOTTTED. BLANKET IN NATURE).

14. CONTRACT FOR THE SALE AND PURCHASE OF DEVELOPMENT RIGHTS RECORDED IN BOOK 21710, PAGE 1745. (DOES AFFECT. NOT PLOTTED. BLANKET IN NATURE).

NOTES

1. SURVEY MAP OR THE COPIES THEREOF ARE NOT VALID WITHOUT THE SIGNATURE AND THE ORIGINAL SEAL OF A FLORIDA LICENSED PROFESSIONAL LAND SURVEYOR.
2. LANDS SHOWN HEREON WERE ABSTRACTED BY EASTERN NATIONAL TITLE AGENCY FLORIDA, LLC, FILE NUMBER FLX1243, WITH A COMMITMENT DATE SEPTEMBER 30, 2020 AT 8:00AM. TITLE EXCEPTIONS WERE REVIEWED BY THIS OFFICE AND ALL PLOTTABLE EXCEPTIONS ARE SHOWN HEREON.
3. ELEVATIONS SHOWN HEREON ARE RELATIVE TO THE NATIONAL GEODETIC VERTICAL DATUM OF 1929.
4. BEARINGS SHOWN HEREON ARE REFERENCED TO THE NORTH – SOUTH QUARTER SECTION LINE OF SECTION 24, TOWNSHIP 44 SOUTH, RANGE 42 EAST, PALM BEACH COUNTY, FLORIDA, HAVING A BEARING OF SOUTH 87°34'43" EAST
5. THE "DESCRIPTION" SHOWN HEREON IS IN ACCORD WITH THE DESCRIPTION PROVIDED BY THE CLIENT.
6. UNDERGROUND FOUNDATIONS WERE NOT LOCATED.
7. ADDITIONS OR DELETIONS TO SURVEY MAPS BY OTHER THAN THE SIGNING PARTY OR PARTIES IS PROHIBITED WITHOUT WRITTEN CONSENT OF THE SIGNING PARTY OR PARTIES.
8. FLOOD ZONE: "X"; FLOOD INSURANCE RATE MAP NO. 12099C 0558 F AND 12099C 0776 F; COMMUNITY NO. 120223; DATE: OCTOBER 5, 2017.
9. BENCHMARK ORIGIN DESCRIPTION: PALM BEACH COUNTY ENGINEERING DEPARTMENT BENCHMARK "M–28" WITH A PUBLISHED ELEVATION OF 19.86 (NGVD29)
10. PARCEL CONTROL NUMBER: 70–42–44–24–00–000–5670

DESCRIPTION

THE EAST 1/2 OF THE NORTHWEST 1/4 OF THE NORTHWEST 1/4 OF THE SOUTHEAST 1/4 OF SECTION 24,TOWNSHIP 44 SOUTH, RANGE 42 EAST, PALM BEACH COUNTY, FLORIDA.

SAID LANDS SITUATE IN PALM BEACH COUNTY, FLORIDA AND CONTAINING 223,265 SQUARE FEET, OR 5.1255 ACRES, MORE OR LESS.

SUBJECT TO EASEMENTS, RESTRICTIONS, RESERVATIONS, COVENANTS, AND RIGHTS–OF–WAY OF RECORD.

CERTIFICATE:

TO:

K HOVNANIAN
EASTERN NATIONAL TITLE AGENCY FLORIDA, LLC

THIS IS TO CERTIFY THAT THIS MAP OR PLAT AND THE SURVEY ON WHICH IT IS BASED WERE MADE IN ACCORDANCE WITH THE 2016 MINIMUM STANDARD DETAIL REQUIREMENTS FOR ALTA/NSPS LAND TITLE SURVEYS, JOINTLY ESTABLISHED AND ADOPTED BY ALTA AND NSPS, AND INCLUDES ITEMS 1, 2, 3, 4, 5 6 (A), 6(B), 7(A), 8, 9,16, 17, AND 19 OF TABLE A THEREOF. THE FIELD WORK WAS COMPLETED ON 12–20–2020.

DATE OF PLAT OR MAP: 3–4–2021

_____
DAVID P. LINDLEY, PLS
REG. LAND SURVEYOR #5005
STATE OF FLORIDA – LB #3591

BY	DATE	REVISIONS
		FILE NAME: CAUFBOAT_SY01.DWG

CAULFIELD & WHEELER, INC.
CIVIL ENGINEERING – SURVEYING
LANDSCAPE ARCHITECTURE – SURVEYING
7900 GLADES ROAD – SUITE 100
BOCA RATON, FLORIDA 33434
PHONE (561)–392–1991 / FAX (561)–750–1452

BOATMAN HAMMOCK
ALTA/NSPS LAND TITLE SURVEY

DATE	DEC 2020
DRAWN BY	TMS
F.B./ PG.	ELEC.
SCALE	1"=30'

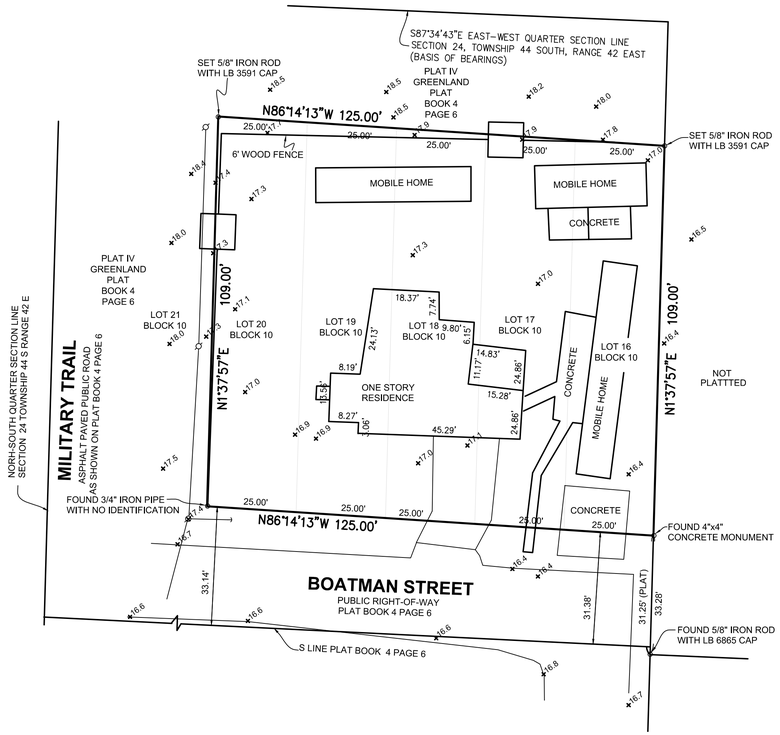
JOB # 9191
SHT.NO. 1
OF 1 SHEETS

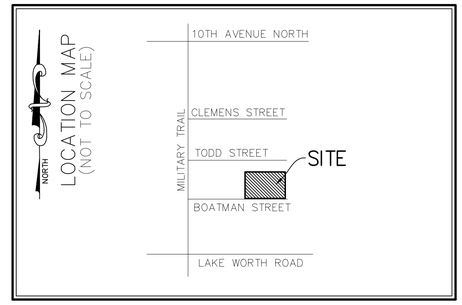
ALTA/NSPS LAND TITLE SURVEY

GRAPHIC SCALE

20 0 10 20 40 80

(IN FEET)
1 INCH = 20 FEET





SURVEYOR'S NOTES AND REPORT:

1. SURVEY MAPS OR THE COPIES THEREOF ARE NOT VALID WITHOUT THE SIGNATURE AND THE ORIGINAL SEAL OF A FLORIDA LICENSED PROFESSIONAL LAND SURVEYOR.
2. LANDS SHOWN HEREON WERE ABSTRACTED BY EASTERN NATIONAL TITLE AGENCY FLORIDA, LLC, FILE NUMBER FLX1243, WITH A COMMITMENT DATE SEPTEMBER 30, 2020 AT 8:00 AM. TITLE EXCEPTIONS WERE REVIEWED BY THIS OFFICE AND ALL PLOTTABLE EXCEPTIONS ARE SHOWN HEREON.
3. BEARINGS SHOWN HEREON ARE REFERENCED TO THE EAST–WEST QUARTER SECTION LINE OF SECTION 24, TOWNSHIP 44 SOUTH, RANGE 42 EAST, PALM BEACH COUNTY, FLORIDA, HAVING A BEARING OF SOUTH 87°34'43" EAST
4. THE "DESCRIPTION" SHOWN HEREON IS IN ACCORD WITH THE DESCRIPTION PROVIDED BY THE CLIENT.
5. UNDERGROUND FOUNDATIONS WERE NOT LOCATED.
6. ADDITIONS OR DELETIONS TO SURVEY MAPS BY OTHER THAN THE SIGNING PARTY OR PARTIES IS PROHIBITED WITHOUT WRITTEN CONSENT OF THE SIGNING PARTY OR PARTIES.
7. FLOOD ZONE: "X"; FLOOD INSURANCE RATE MAP NO. 12099C 0558 F AND 12099C 0776 F; COMMUNITY NO. 120223; DATE: OCTOBER 5, 2017.
8. BENCHMARK ORIGIN DESCRIPTION: PALM BEACH COUNTY ENGINEERING DEPARTMENT BENCHMARK "M–28" WITH A PUBLISHED ELEVATION OF 18.32 FEET (NORTH AMERICAN DATUM OF 1988)
9. PARCEL CONTROL NUMBER: 70424424320100160
10. PROPERTY ADDRESS: 4445 BOATMAN STREET.

DESCRIPTION:

LOTS 16, 17, 18, 19 AND 20, BLOCK 10, GREENLAND PLATY NO. 4, ACCORDING TO THE PLAT RECORDED IN PLAT BOOK 4, PAGE 6, PUBLIC RECORDS OF PALM BEACH COUNTY, FLORIDA.

CONTAINING 13,616 SQUARE FEET OR 0.313 ACRES, MORE OR LESS.

CERTIFICATE:

TO:

K. HOVNANIAN HOMES
EASTERN NATIONAL TITLE AGENCY FLORIDA, LLC

THIS IS TO CERTIFY THAT THIS MAP OR PLAT AND THE SURVEY ON WHICH IT IS BASED WERE MADE IN ACCORDANCE WITH THE 2016 MINIMUM STANDARD DETAIL REQUIREMENTS FOR ALTA/NSPS LAND TITLE SURVEYS, JOINTLY ESTABLISHED AND ADOPTED BY ALTA AND NSPS, AND INCLUDES ITEMS 1, 2, 3, 4, 5 6(a), 6(b), 7(a), 8, 9,16, 17, AND 19 OF TABLE A THEREOF. THE FIELD WORK WAS COMPLETED ON 2–20–2021.

DATE OF PLAT OR MAP: 2–20–2021

_____
DAVID P. LINDLEY, PLS
REGISTERED LAND SURVEYOR #5005
STATE OF FLORIDA – LB #3591

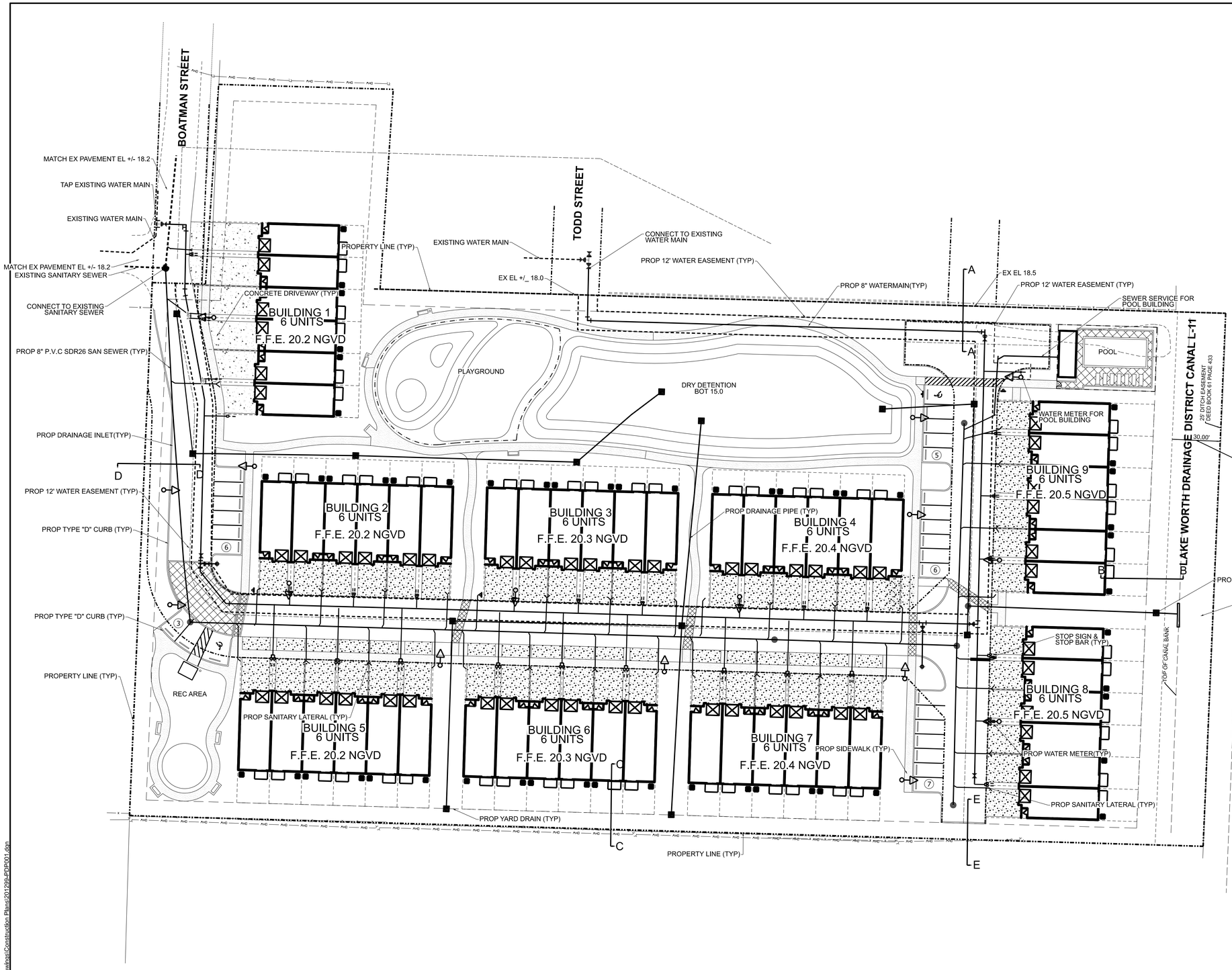
	DATE	BY
REVISIONS		
FILE NAME 9191 ALTA Additional parcel-R		

CAULFIELD & WHEELER, INC.
CIVIL ENGINEERING – SURVEYING
LANDSCAPE ARCHITECTURE – SUITE 100
7900 GLADES ROAD – SUITE 100
BOCA RATON, FLORIDA 33434
PHONE (561)-392-1991 / FAX (561)-750-1452

BOATMAN HAMMOCK
ALTA/NSPS LAND TITLE SURVEY

DATE	2/20/21
DRAWN BY	U.K.
F.B./ PG.	ELECT.
SCALE	1" = 20'

JOB # 9191
SHT.NO. 1
OF 1 SHEETS



N

0 30 60

FEET

SCALE: 1"=30'

- PROPOSED LIGHTING
- PROPOSED ADA STALL
- PROPOSED CONCRETE SIDEWALK
- PROPOSED ASPHALT PAVEMENT
- 10'X10' SIGHT TRIANGLE
- FLOW DIRECTION
- 6.40 PROPOSED GRADE
- EXISTING GRADE
- SEWER / DRAINAGE MANHOLE
- DRAINAGE INLET
- YARD DRAIN BASIN
- DOUBLE SEWER SERVICE
- SINGLE SEWER SERVICE
- FIRE HYDRANT ASSEMBLY
- TAPPING SLEEVE & VALVE
- DOUBLE WATER METER
- SINGLE WATER METER
- GATE VALVE
- EXISTING VALVE
- EXISTING FIRE HYDRANT ASSEMBLY
- 1 BACTERIOLOGICAL SAMPLING POINT
- R.C.P. REINFORCED CONCRETE PIPE
- H.D.P.E. HIGH DENSITY POLYETHYLENE PIPE
- C.A.P. CORRUGATED ALUMINUM PIPE
- W.M. WATER MAIN
- G.V. GATE VALVE
- F.H. FIRE HYDRANT
- R.E. RIM ELEVATION
- I.E. INVERT ELEVATION
- E.O.P. EDGE OF PAVEMENT
- P.R.B. POLLUTION RETARDANT BAFFLE
- D.W.E. DESIGN WATER ELEVATION
- TREE TO REMAIN (SEE LANDSCAPE PLAN)
- PIPE CONFLICT BOX

INV TOP PIPE
TOP OF BOTTOM PIPE

D=DRAINAGE
W=WATER
S= SEWER
FM=FORCE MAIN
CN=CONDUIT

ELEVATIONS REFERENCED HEREON REFER TO NATIONAL GEODETIC VERTICAL DATUM OF 1929 (NAVD 29)

THIS ITEM HAS BEEN DIGITALLY SIGNED AND SEALED BY ZACHARY TODD, P.E., ON 4/15/2021USING A DIGITAL SIGNATURE

PRINTED COPIES OF THIS DOCUMENT ARE NOT CONSIDERED SIGNED AND SEALED AND THE SIGNATURE MUST BE VERIFIED ON ANY ELECTRONIC COPIES

NO	DATE	BY	REVISIONS

HSQ GROUP, INC.
Engineers · Planners · Surveyors
1001 Yamato Road Suite 105
Boca Raton, Florida 33431 · 561-392-0221

BOATMAN HAMMOCK

COMPOSITE PLAN

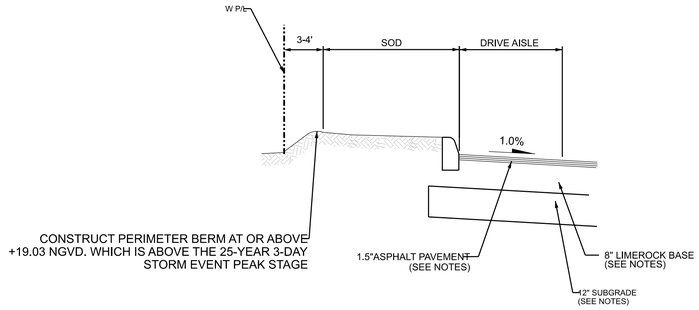
DATE:	01/08/20
DESIGNED BY:	ZT
DRAWN BY:	SG
CHECKED BY:	ZT

ZACHARY TODD LICENSE No 84179 STATE OF FLORIDA PROFESSIONAL ENGINEER

DATE: 01/07/21
ZACHARY TODD, P.E.
FLORIDA REGISTRATION NO. – 84179

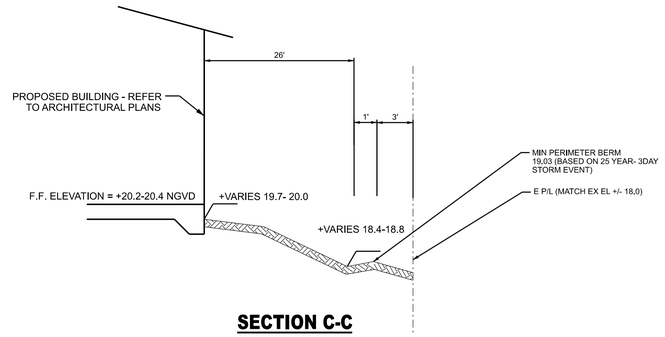
PROJECT:	2012-99
SHEET:	CP-1

Z:\Projects\2020\2012\99-BOATMAN HAMMOCK\Drawings\Construction Plans\2012\99-PP0P001.dgn



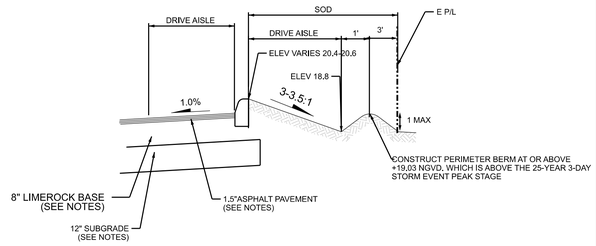
SECTION A-A

N.T.S.



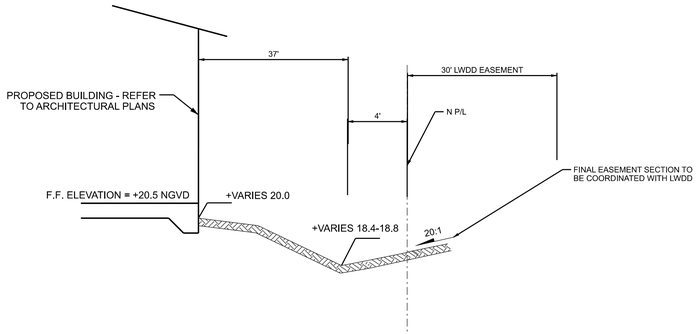
SECTION C-C

N.T.S.



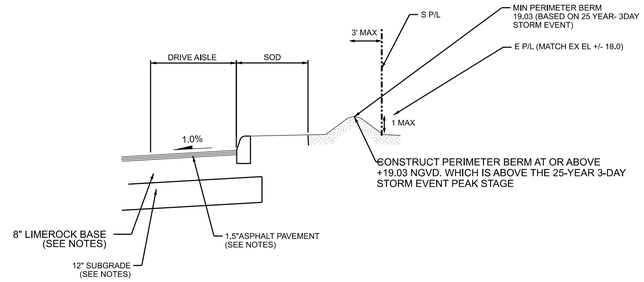
SECTION E-E

N.T.S.



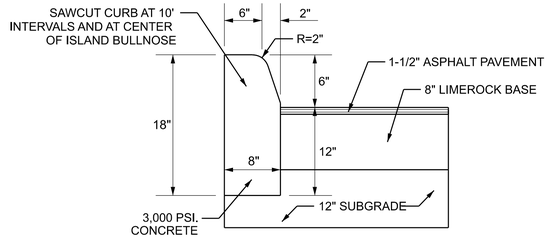
SECTION B-B

N.T.S.



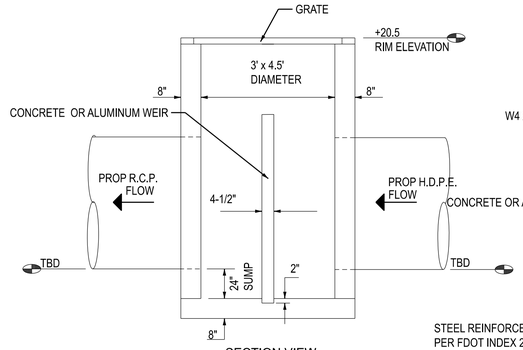
SECTION D-D

N.T.S.



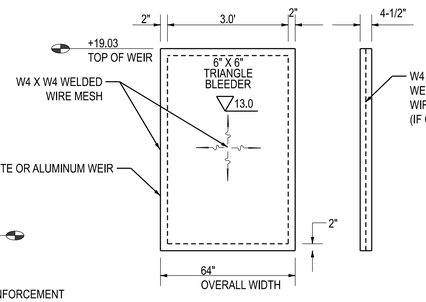
TYPE "D" CONCRETE CURB DETAIL

N.T.S.



SECTION VIEW

STEEL REINFORCEMENT
PER FDOT INDEX 200
(WALL & SLABS)



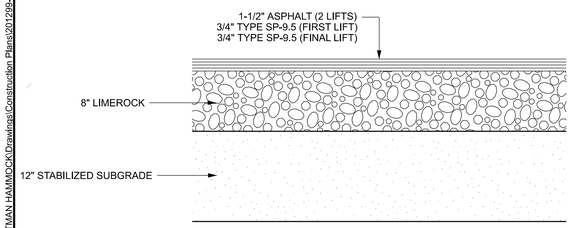
CONCRETE WEIR DETAIL

CONTROL STRUCTURE DETAIL (NGVD 1929)

N.T.S.

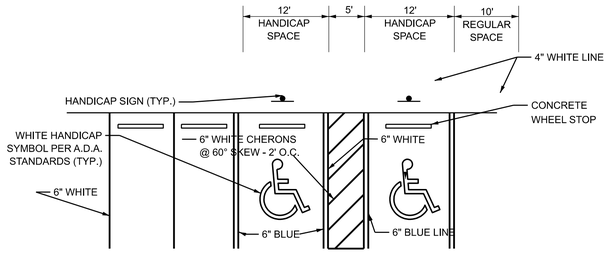
SIGNING & PAVEMENT MARKING NOTES

1. INSTALL ALL NECESSARY PAVEMENT MARKINGS AND SIGNS IN ACCORDANCE WITH THE TRAFFIC OPERATIONS STANDARDS, FLORIDA DEPARTMENT OF TRANSPORTATION AND THE MANUAL OF UNIFORM TRAFFIC CONTROL DEVICES (M.U.T.C.D.).
2. ALL PAVEMENT MARKINGS LOCATED WITHIN THE PUBLIC RIGHT-OF-WAY SHALL BE INSTALLED USING THERMOPLASTIC PAINT.
3. ALL PAVEMENT MARKINGS LOCATED WITHIN PRIVATE PROPERTY SHALL BE INSTALLED USING REFLECTORIZED PAINT.
4. ALL TRAFFIC SIGNS SHALL BE CONSTRUCTED USING HIGH INTENSITY REFLECTORIZED MATERIAL.
5. INSTALL BLUE PAVEMENT REFLECTOR IN FRONT OF EACH FIRE HYDRANT LOCATED AT CENTER OF ADJACENT DRIVEWAY.



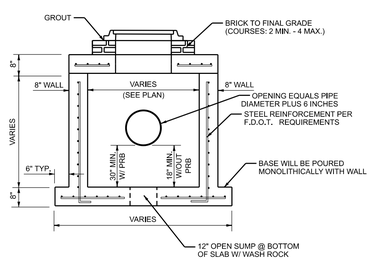
ASPHALT SECTION (PRIVATE ROADWAY)

N.T.S.

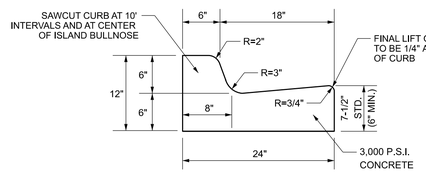


TYPICAL PARKING STALL DETAIL

N.T.S.



MANHOLE / CATCH BASIN DETAIL
N.T.S.



TYPE "F" CURB & GUTTER DETAIL

N.T.S. - PER F.D.O.T. INDEX 300

ELEVATIONS REFERENCED HEREON REFER TO
NATIONAL GEODETIC VERTICAL DATUM OF 1929 (NAVD 29)

THIS ITEM HAS BEEN DIGITALLY SIGNED AND SEALED BY ZACHARY TODD, P.E., ON 4/16/2021 USING A DIGITAL SIGNATURE

PRINTED COPIES OF THIS DOCUMENT ARE NOT CONSIDERED SIGNED AND SEALED AND THE SIGNATURE MUST BE VERIFIED ON ANY ELECTRONIC COPIES

NO	DATE	BY	REVISIONS
1			

HSQ GROUP, INC.
Engineers · Planners · Surveyors
9961 Northwest 117st Drive, Suite 4
Miami, Florida 33178 · 786.534.3821
C26258 · LB7924

BOATMAN HAMMOCK

PAVING AND DRAINAGE DETAILS

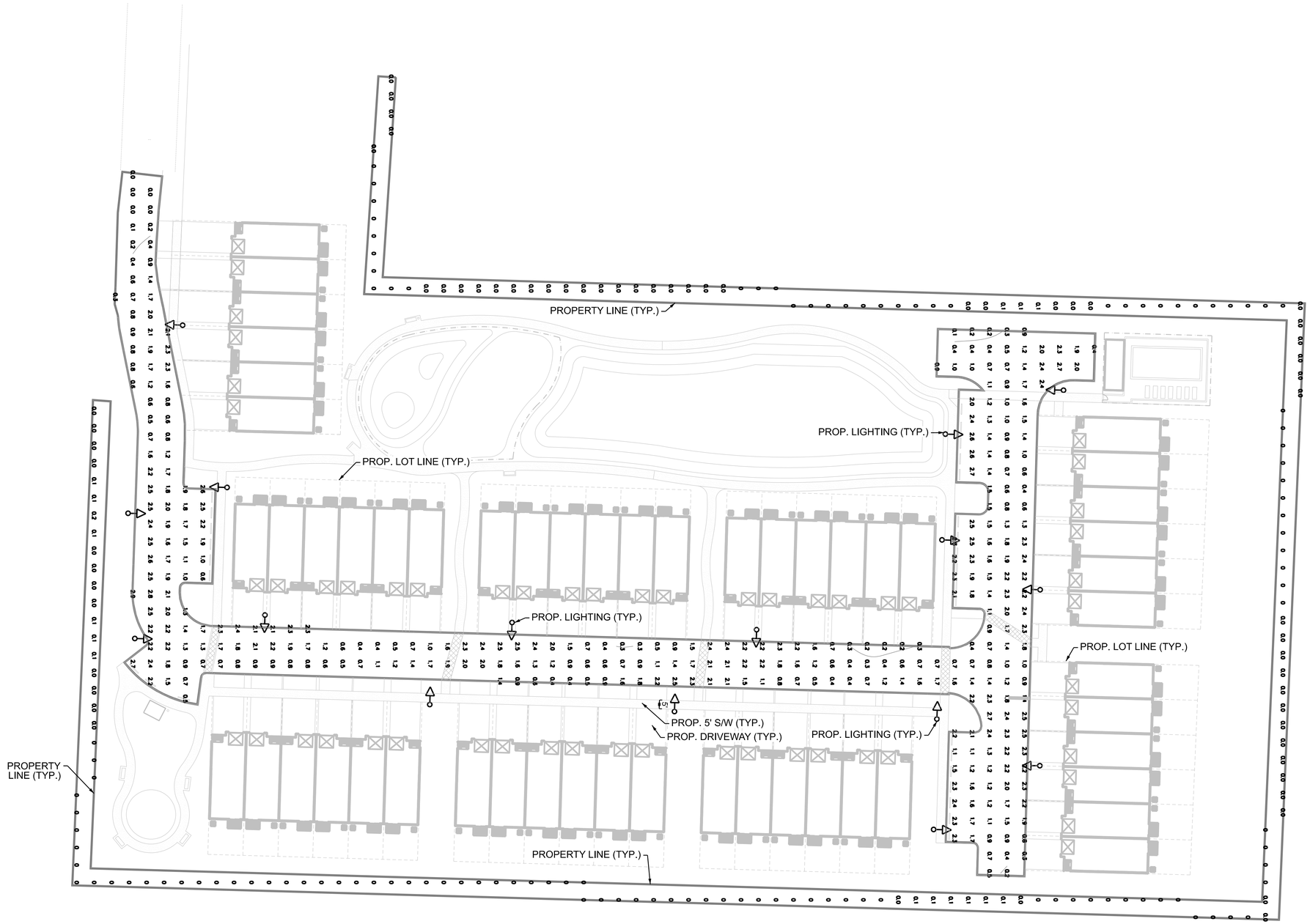
DATE:	03/18
DESIGNED BY:	ZT
DRAWN BY:	SG
CHECKED BY:	ZT

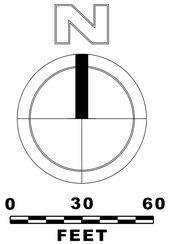
ZACHARY TODD LICENSE No 84179 STATE OF FLORIDA PROFESSIONAL ENGINEER

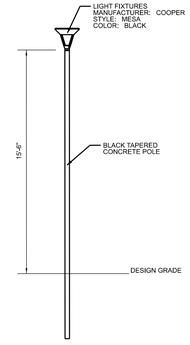
DATE: 4/16/2021
ZACHARY TODD, P.E.
FLORIDA REGISTRATION NO. – 84179

PROJECT:	2012-99
SHEET:	CP-2

\\Vainv\Projects\2020\2012\99-BOATMAN HAMMOCK\Drawings\Construction Plans\2012\99-PPD001.dgn







LIGHT POLE DETAIL

GENERAL NOTES

1. THE ABOVE LIGHT POLE DETAIL IS FOR REFERENCE PURPOSES ONLY. REFER TO THE MANUFACTURER'S SPECIFICATIONS FOR THE ACTUAL CONSTRUCTION AND INSTALLATION INFORMATION.
2. THE EXACT LOCATIONS OF THE NEW LIGHT POLES ARE TO BE FIELD ADJUSTED AS REQUIRED, IN ORDER TO AVOID CONFLICTS WITH EXISTING AND PROPOSED UTILITIES, CONCRETE CURBS, SIDEWALKS, ETC., THE LIGHT POLES MUST MAINTAIN A MINIMUM OF 2.5 FEET FROM THE EDGE OF PAVEMENT
3. ALL NEW LIGHT POLES ARE TO BE MANUFACTURED AND INSTALLED TO WITHSTAND CURRENT CODE WIND LOADS PER THE FLORIDA BUILDING CODE.

Onsite Lighting	
AVERAGE FOOT-CANDLES	1.42
MAXIMUM FOOT-CANDLES	2.9
MINIMUM FOOT-CANDLES	0.0
MINIMUM TO MAXIMUM FC RATIO	0.00
MAXIMUM TO MINIMUM FC RATIO	227.53
AVERAGE TO MINIMUM FC RATIO	113.16

Offsite Lighting	
AVERAGE FOOT-CANDLES	0.01
MAXIMUM FOOT-CANDLES	0.2
MINIMUM FOOT-CANDLES	0.0
MINIMUM TO MAXIMUM FC RATIO	0.00
MAXIMUM TO MINIMUM FC RATIO	0.16 / 0.00
AVERAGE TO MINIMUM FC RATIO	0.01 / 0.00

LUMINAIRE SCHEDULE

CALLOUT	SYMBOL	LAMP	DESCRIPTION	MODEL	QUANTITY	TOTAL LUMENS
Meso E06		(1) (63) 4000K CCT, 70 CRI LEDs	MESA DECORATIVE LED LUMINAIRE(3) LIGHTBARS WITH AccuLED OPTICS - TYPE 3 AREA	COOPER LIGHTING SOLUTIONS - STREETWORKS (FORMERLY EATON), PMM-E03-LED-E-U-T3	16	7456

NO	DATE	BY	REVISIONS

HSQ GROUP, INC.
Engineers · Planners · Surveyors
9961 Northwest 117st Drive, Suite 4
Miami, Florida 33178 · 786.534.3821
C26258 - LB7924

BOATMAN HAMMOCK

PHOTOMETRIC PLANS

DATE:	01/21
DESIGNED BY:	ZT
DRAWN BY:	SG
CHECKED BY:	ZT

ZACHARY TODD LICENSE No 84179 STATE OF FLORIDA PROFESSIONAL ENGINEER

DATE: 4/16/2021
ZACHARY TODD, P.E.
FLORIDA REGISTRATION NO. - 84179

PROJECT:	2012-99
SHEET:	PH-1

Z:\Projects\2020\2012\99-BOATMAN HAMMOCK\Drawings\Lighting\2012\99-PH001.dgn

Invue

Catalog #		Type	
Project			
Comments		Date	
Prepared by			

DESCRIPTION

The geometric form of MESA LED luminaire allows it to adapt to either contemporary or traditional architectural settings. Available in single or twin pole mount configurations with optional wall mounting capability, the MESA LED luminaire's mounting options allow for harmonized site design whether at the entryway or in the parking lot. UL/cUL listed for use in wet locations.

SPECIFICATION FEATURES

Construction
HOUSING: Die-cast aluminum main housing and spider mount base maintain a minimum 0.125 wall thickness. Integral aluminum heat sink provides superior thermal heat transfer in +40°C ambient environments. DOOR ASSEMBLY: Top mounted, heavy wall, die-cast aluminum door maintains a nominal 0.125 thickness. Door includes a self-retaining interior hinge. GASKET: Continuous silicone gasket provided to seal housing door assembly and optic tray. LENS: Downlight lens is LED board integrated acrylic over-optics, each individually sealed for IP66 rating. HARDWARE: Four tinset fasteners on underside of housing provide access to luminaire interior. Concealed, stainless steel four bar hinge lock allows door to lock in the open position.

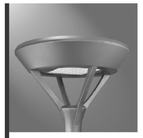
Optics
Choice of twelve patented, high-efficiency AccuLED Optic™ technology manufactured from injection-molded acrylic. Optics are precisely designed to shape the light output, maximizing efficiency and application spacing. AccuLED Optic technology, creates consistent distributions with the scalability to meet customized application requirements. Offered Standard in 4000K (+/- 275K) CCT and minimum 70 CRI. Optional 3000K CCT and 5000K CCT. For the ultimate level of spill light control, an optional house-side shield accessory can be field or factory installed. The house-side shield is designed to seamlessly integrate with the SL2, SL3 or SL4 optics. LightBAR optic tray is removable and able to rotate 360° in 90° increments for specific placement of the distribution relative to fixture.

Electrical
LED drivers mount to die-cast aluminum back housing for optimal heat sinking, operation efficacy, and prolonged life. Standard drivers feature electronic universal voltage (120-277V 50/60Hz), 347V 60Hz or 480V 60Hz operation, greater than 0.9 power factor, less that 20% harmonic distortion, and is suitable for operation in -40°C to 40°C ambient environments. All fixtures are shipped standard with 10kV/10kA common – and differential – mode surge protection. LightBARs feature and IP66 enclosure rating and maintain greater than 95% lumen maintenance at 60,000 hours per IESNA TM-21. Occupancy sensor and dimming options available.

Mounting
Fitter assembly mounts over 3" O.D. tenon and is secured via three concealed stainless steel set screws. Design of fitter provides seamless transition to 4" round poles. Additional mounting accessories include a dual fixture post top mounting arm and wall mount arm.

Finish
Housing is finished in five-stage super TGIC polyester powder coat paint, 2.5 mil nominal thickness for superior protection against fade and wear. LightBAR™ cover plates are standard white and may be specified to match finish of luminaire housing. Standard colors include black, bronze, grey, white, dark platinum and graphite metallic. RAL and custom color matches available. Consult Outdoor Architectural Colors brochure for a complete selection.

Warranty
Five-year warranty.

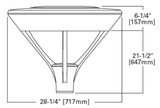


MSA MESA LED

1-6 LightBARs
Solid State LED

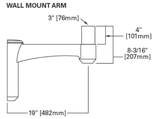
DECORATIVE LUMINAIRE

DIMENSIONS

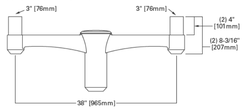


MOUNTING ACCESSORIES

WALL MOUNT ARM



DUAL MOUNT ARM (EPA 1.36)



CERTIFICATION DATA

UL/cUL Listed
ISO 9001
IP66 LightBARs
LM79 / LM80 Compliant
2G Vibration Tested

ENERGY DATA

Electronic LED Driver
>0.9 Power Factor
<20% Total Harmonic Distortion
120-277V/50 & 60Hz, 347V/60Hz, 480V/60Hz
-40°C Minimum Temperature
40°C Ambient Temperature Rating

EPA

Effective Projected Area: (Sq. Ft.)
Single Mount 1.1

SHIPPING DATA

Approximate Net Weight:
50 lbs. (22.7 kgs.)

POWER AND LUMENS BY BAR COUNT (21 LED LIGHTBARS)

Number of LightBARs		E01	E02	E03	E04	E05	E06
Drive Current		350mA Drive Current					
Power (Watts)		25W	52W	75W	97W	127W	150W
Current @ 120V (A)		0.22	0.44	0.63	0.82	1.07	1.26
Current @ 277V (A)		0.10	0.20	0.28	0.36	0.48	0.56
Power (Watts)		31W	58W	82W	99W	132W	159W
Current @ 347V (A)		0.11	0.19	0.28	0.29	0.39	0.48
Current @ 480V (A)		0.09	0.15	0.20	0.21	0.30	0.36
T2	Lumens	2,460	4,920	7,379	9,899	12,299	14,759
	BUG Rating	B1-U0-G1	B2-U0-G2	B2-U0-G2	B3-U0-G3	B3-U0-G3	B3-U0-G3
T3	Lumens	2,485	4,970	7,456	9,941	12,426	14,911
	BUG Rating	B1-U0-G1	B2-U0-G2	B2-U0-G2	B3-U0-G3	B3-U0-G3	B3-U0-G3
T4	Lumens	2,423	4,845	7,268	9,690	12,113	14,535
	BUG Rating	B1-U0-G1	B1-U0-G2	B1-U0-G2	B2-U0-G2	B2-U0-G3	B2-U0-G3
SMQ	Lumens	2,615	5,230	7,844	10,459	13,074	15,689
	BUG Rating	B2-U0-G1	B3-U0-G1	B3-U0-G1	B3-U0-G2	B4-U0-G2	B4-U0-G2
SWQ	Lumens	2,604	5,207	7,811	10,415	13,018	15,622
	BUG Rating	B2-U0-G1	B3-U0-G1	B3-U0-G2	B4-U0-G2	B4-U0-G2	B4-U0-G2
SXQ	Lumens	2,603	5,206	7,809	10,412	13,015	15,618
	BUG Rating	B2-U0-G1	B3-U0-G2	B3-U0-G2	B4-U0-G3	B4-U0-G3	B4-U0-G3
SL2	Lumens	2,445	4,891	7,336	9,781	12,226	14,672
	BUG Rating	B1-U0-G1	B1-U0-G1	B2-U0-G2	B2-U0-G2	B2-U0-G2	B3-U0-G3
SL3	Lumens	2,461	4,921	7,382	9,842	12,303	14,763
	BUG Rating	B1-U0-G1	B1-U0-G2	B2-U0-G2	B2-U0-G2	B2-U0-G2	B3-U0-G3
SL4	Lumens	2,376	4,752	7,128	9,504	11,880	14,256
	BUG Rating	B1-U0-G1	B1-U0-G2	B1-U0-G2	B2-U0-G2	B2-U0-G3	B2-U0-G3
RW	Lumens	2,398	4,796	7,194	9,591	11,989	14,387
	BUG Rating	B1-U0-G1	B2-U0-G2	B3-U0-G3	B3-U0-G3	B3-U0-G3	B4-U0-G4
SLL/SLR	Lumens	2,227	4,453	6,680	8,906	11,133	13,360
	BUG Rating	B1-U1-G1	B1-U1-G2	B1-U1-G3	B1-U1-G3	B2-U2-G3	B2-U2-G4

LUMEN MAINTENANCE

Ambient Temperature	25,000 Hours*	50,000 Hours*	60,000 Hours*	100,000 Hours	Theoretical L70 (Hours)
25°C	> 99%	> 97%	> 96%	> 93%	> 450,000
40°C	> 98%	> 97%	> 96%	> 92%	> 425,000
50°C	> 97%	> 96%	> 95%	> 91%	> 400,000

* Per IESNA TM-21 data.

LUMEN MULTIPLIER

Ambient Temperature	Lumen Multiplier
10°C	1.02
15°C	1.01
25°C	1.00
40°C	0.99
50°C	0.96

Powering Business Worldwide

Eaton
1121 Highway 74 South
Peachtree City, GA 30269
P: 770-486-4800
www.eaton.com/lighting

Specifications and dimensions subject to change without notice.

TDS16001EN
2017-04-26 08:16:45

ORDERING INFORMATION

Sample Number: MSA-E06-LED-E1-T3-GM

Product Family	Number of LightBARs [1,2]	Lamp Type	Voltage	Distribution	Color [3]
MSA=Mesa	E01=(1) 21 LED LightBAR [3] E02=(2) 21 LED LightBARs E03=(3) 21 LED LightBARs E04=(4) 21 LED LightBARs E05=(5) 21 LED LightBARs E06=(6) 21 LED LightBARs F01=(1) 7 LED LightBAR [3] F02=(2) 7 LED LightBARs F03=(3) 7 LED LightBARs F04=(4) 7 LED LightBARs F05=(5) 7 LED LightBARs F06=(6) 7 LED LightBARs	LED=Solid State Light Emitting Diodes	E1=Electronic (120-277V) [4] 347=347V 480=480V [4]	T2=Type II T3=Type III T4=Type IV SL2=Type II w/Spill Control SL3=Type III w/Spill Control SL4=Type IV w/Spill Control RW=Rectangular Wide SMQ=Type V Square Medium SWQ=Type V Square Wide SXQ=Type V Square Extra Wide SLL=90° Spill Light Eliminator Left SLR=90° Spill Light Eliminator Right	AP=Grey BZ=Bronze BK=Black DP=Dark Platinum GM=Graphite Metallic WH=White

Options (Add as Suffix)	Accessories (Order Separately) [9]
PC=Button Type Photocontrol (Specify Voltage) R=NEMA Twistlock Photocontrol Receptacle ZL=Two Circuits [4] LCE=LightBAR Cover Plate Matches Housing Finish 7030=70 CRI / 3000K CCT [7] 7050=70 CRI / 5000K CCT [7] 8030=80 CRI / 3000K CCT [7] ICB=Integral Cold Weather Battery Pack (Specify 120 or 277V) [4] LWR-LW=LumaWatt Pro Wireless Sensor, Wide Lens for 8' - 16' Mounting Height [8] LWR-LN=LumaWatt Pro Wireless Sensor, Narrow Lens for 16' - 40' Mounting Height [8] HSS=Factory Installed House Side Shield [10] MS/DIM-L06=Motion Sensor for Dimming Operation, Maximum 6' Mounting Height [11, 12, 13, 14, 15] MS/DIM-L20=Motion Sensor for Dimming Operation, 9' - 20' Mounting Height [11, 12, 13, 14, 16] MS/DIM-L40W=Motion Sensor for Dimming Operation, 21' - 40' Mounting Height (Wide Range) [11, 12, 13, 14, 17]	VA6029-XX=Dual Mount Arm (EPA 1.36) VA6029-XX=Wall Mount Arm OA/RA1016=NEMA Photocontrol - Multi-Tap OA/RA1027=NEMA Photocontrol - 480V OA/RA1201=NEMA Photocontrol - 347V MA1253=10kV Circuit Module Replacement LB/HSS-21=Field Installed House Side Shield for "E" LightBARs [10, 18] LB/HSS-07=Field Installed House Side Shield for "F" LightBARs [10, 19]

NOTES:
1. Standard 4000K CCT and nominal 70 CRI.
2. 21 LED LightBAR powered at 350mA, 7 LED LightBAR powered at 1A.
3. Streetside orientation 90° to LightBAR.
4. Only for use with 480V/Wye systems. Per NEC, not for use with ungrounded systems, impedance grounded systems or corner grounded systems (commonly known as Three Phase Three Wire Delta, Three Phase High Leg Delta and Three Phase Corner Grounded Delta systems).
5. Custom and RAL color matching available upon request. Consult your lighting representative at Eaton for more information.
6. Low-level output varies by bar count. Consult factory. Not available with 347V or 480V. Requires quantity two or more LightBARs.
7. Consult factory for lead times and lumen multiplier.
8. Available with E01-E04 or F01-F04 configurations only. Specify 120V or 277V. LED cold weather integral battery pack is rated for minimum operating temperature -40°F (-20°C). Operates one LightBAR for 90-minutes.
9. Accessories ordered and shipped separately unless otherwise noted. Rated for use in 25°C ambient.
10. LumaWatt wireless sensors are factory installed and require network components LWR-EM-1, LWR-GW-1, and LWR-PoBE in appropriate quantities. See www.eaton.com/lighting for LumaWatt application information.
11. Consult factory for more information.
12. Utilizes internal step-down transformer when 347V or 480V is selected.
13. The FSIR-100 accessory is required to adjust parameters including high and low modes, sensitivity, time delay, cutoff and more. Consult your lighting representative at Eaton for more information.
14. Not available with HA option.
15. Approximately 22' detection diameter at 8' mounting height.
16. Approximately 40' detection diameter at 20' mounting height.
17. Approximately 100' detection diameter at 40' mounting height.
18. Replace XX with color designation.
19. One required for each LightBAR.

Powering Business Worldwide

Eaton
1121 Highway 74 South
Peachtree City, GA 30269
P: 770-486-4800
www.eaton.com/lighting

Specifications and dimensions subject to change without notice.

TDS16001EN
2017-04-26 08:16:45

NO	DATE	BY	REVISIONS

HSQ GROUP, INC.
Engineers · Planners · Surveyors
9051 Northwest 117th Drive Suite 4
Miami, Florida 33178 · 786.534.3821
C26258 · LB7924

BOATMAN HAMMOCK

PHOTOMETRIC NOTES AND DETAILS

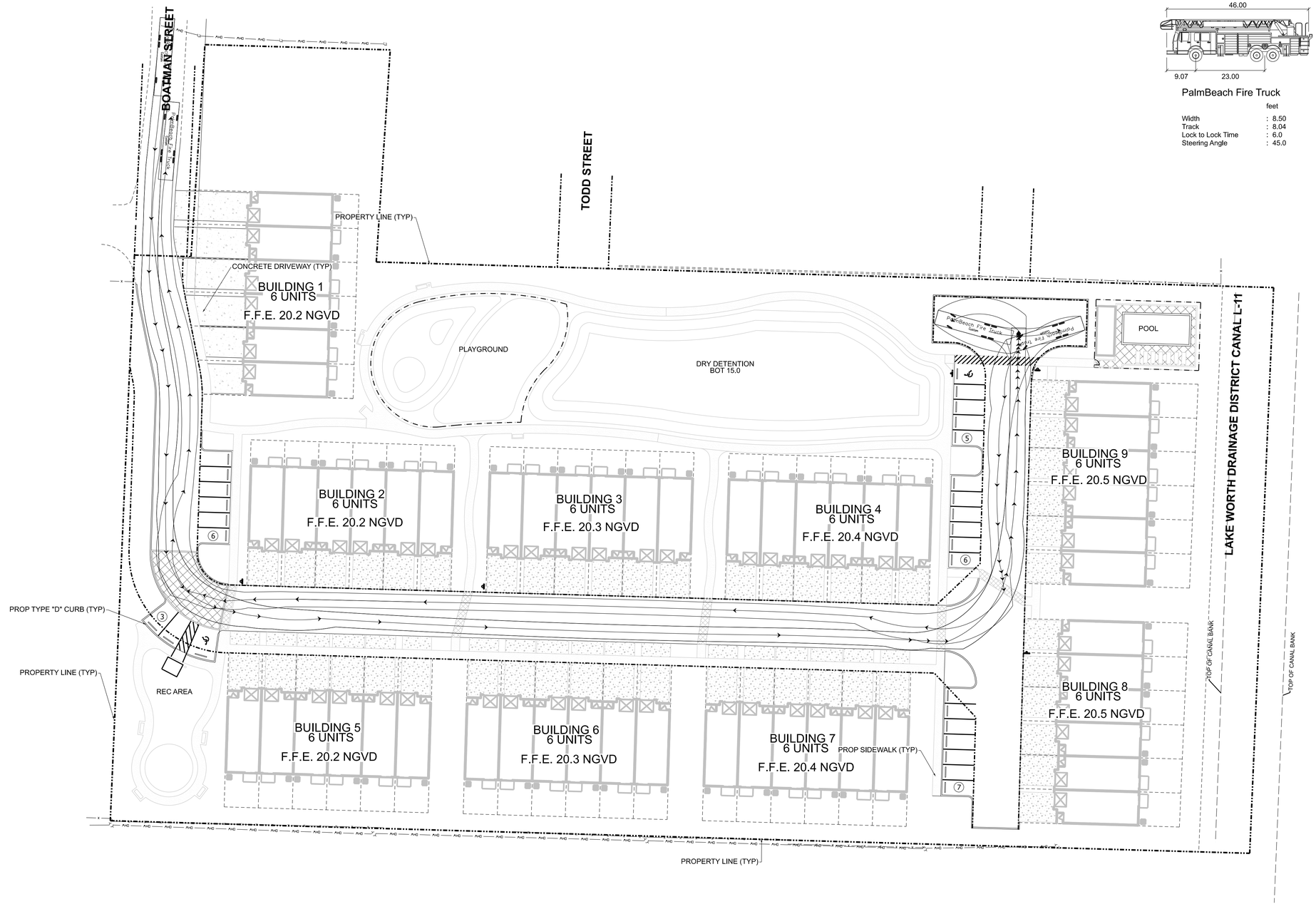
DATE:	01/21
DESIGNED BY:	ZT
DRAWN BY:	SG
CHECKED BY:	ZT

ZACHARY TODD LICENSE No 84179 STATE OF FLORIDA PROFESSIONAL ENGINEER

DATE: 4/16/2021
ZACHARY TODD, P.E.
FLORIDA REGISTRATION NO. – 84179

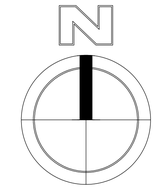
PROJECT:	2012-99
SHEET:	PH-2

Z:\Projects\2020\2012-99-BOATMAN HAMMOCK\Drawings\Lighting\2012-99-PHN001.dgn



PalmBeach Fire Truck

	feet
Width	: 8.50
Track	: 8.04
Lock to Lock Time	: 6.0
Steering Angle	: 45.0



SCALE: 1"=30'

- PROPOSED LIGHTING
- PROPOSED ADA STALL
- PROPOSED CONCRETE SIDEWALK
- PROPOSED ASPHALT PAVEMENT
- 10'X10' SIGHT TRIANGLE
- FLOW DIRECTION
- 6.40 PROPOSED GRADE
- EXISTING GRADE
- SEWER / DRAINAGE MANHOLE
- DRAINAGE INLET
- YARD DRAIN BASIN
- DOUBLE SEWER SERVICE
- SINGLE SEWER SERVICE
- FIRE HYDRANT ASSEMBLY
- TAPPING SLEEVE & VALVE
- DOUBLE WATER METER
- SINGLE WATER METER
- GATE VALVE
- EXISTING VALVE
- EXISTING FIRE HYDRANT ASSEMBLY
- BACTERIOLOGICAL SAMPLING POINT
- R.C.P. REINFORCED CONCRETE PIPE
- H.D.P.E. HIGH DENSITY POLYETHYLENE PIPE
- C.A.P. CORRUGATED ALUMINUM PIPE
- W.M. WATER MAIN
- G.V. GATE VALVE
- F.H. FIRE HYDRANT
- R.E. RIM ELEVATION
- I.E. INVERT ELEVATION
- E.O.P. EDGE OF PAVEMENT
- P.R.B. POLLUTION RETARDANT BAFFLE
- D.W.E. DESIGN WATER ELEVATION
- TREE TO REMAIN (SEE LANDSCAPE PLAN)
- PIPE CONFLICT BOX

INV TOP PIPE
TOP OF BOTTOM PIPE

D=DRAINAGE
W=WATER
S= SEWER
FM=FORCE MAIN
CN=CONDUIT

ELEVATIONS REFERENCED HEREON REFER TO
NATIONAL GEODETIC VERTICAL DATUM OF 1929 (NAVD 29)

THIS ITEM HAS BEEN DIGITALLY SIGNED AND SEALED BY ZACHARY TODD, P.E., ON 4/16/2021 USING A DIGITAL SIGNATURE

PRINTED COPIES OF THIS DOCUMENT ARE NOT CONSIDERED SIGNED AND SEALED AND THE SIGNATURE MUST BE VERIFIED ON ANY ELECTRONIC COPIES

NO	DATE	BY	REVISIONS

HSQ GROUP, INC.
Engineers · Planners · Surveyors
10011 Yamato Road Suite 105
Boca Raton, Florida 33431 · 561-392-0221

BOATMAN HAMMOCK

FIRE TRUCK ROUTING PLAN

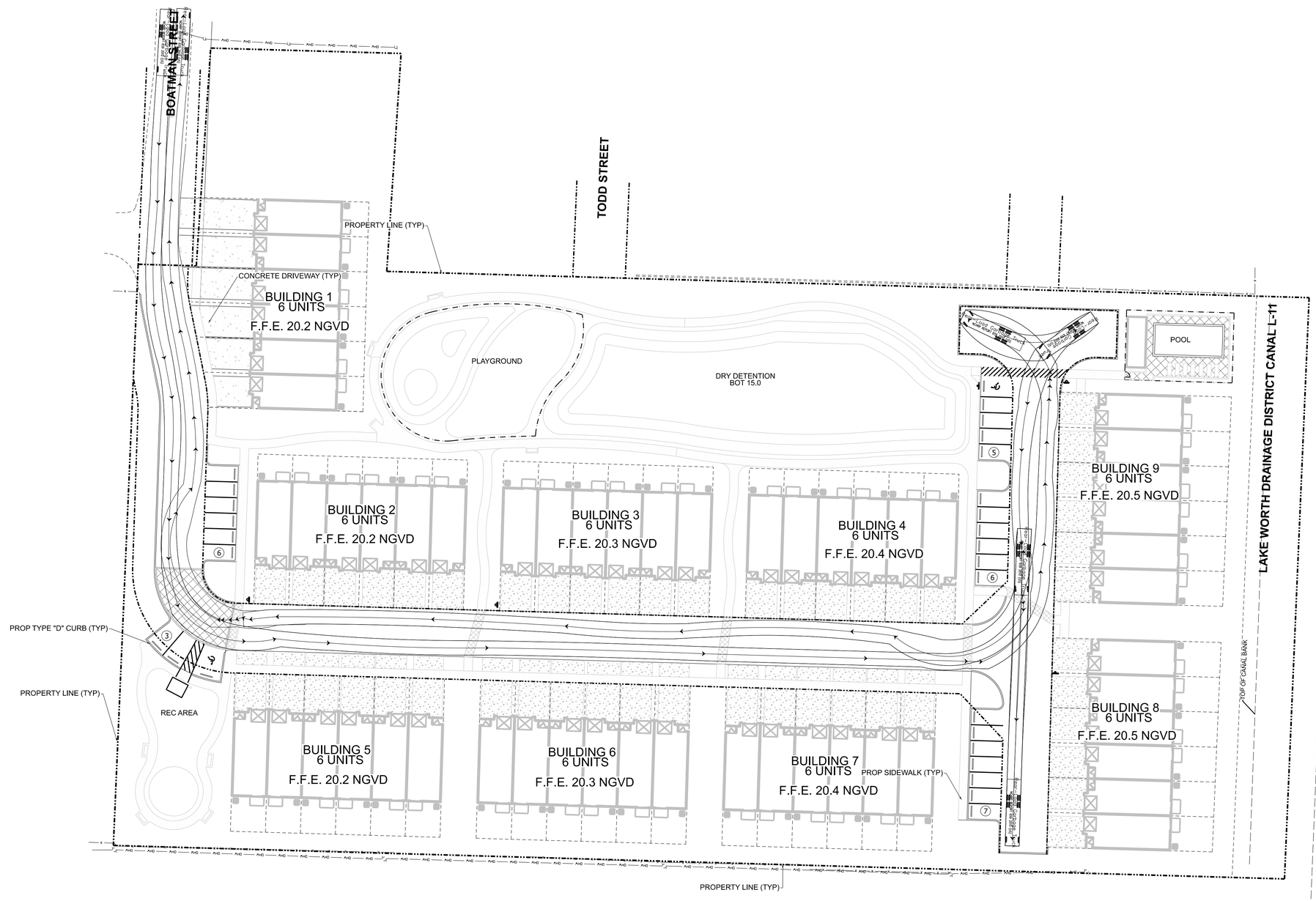
DATE:	04/21
DESIGNED BY:	ZT
DRAWN BY:	SG
CHECKED BY:	ZT

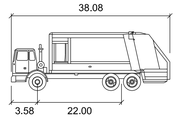
ZACHARY TODD LICENSE No 84179 STATE OF FLORIDA PROFESSIONAL ENGINEER

DATE: 01/07/21
ZACHARY TODD, P.E.
FLORIDA REGISTRATION NO. – 84179

PROJECT:	2012-99
SHEET:	FT-1

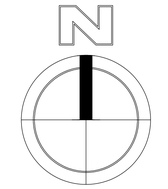
Z:\Projects\2020\2012\99-BOATMAN HAMMOCK\Drawings\Exhibits & Presentations\AutoTurn\2012\99-FT001.dgn





Rear-Load Garbage Truck

	feet
Width	: 8.00
Track	: 8.00
Lock to Lock Time	: 6.0
Steering Angle	: 27.4



SCALE: 1"=30'

- PROPOSED LIGHTING
- PROPOSED ADA STALL
- PROPOSED CONCRETE SIDEWALK
- PROPOSED ASPHALT PAVEMENT
- 10'X10' SIGHT TRIANGLE
- FLOW DIRECTION
- 6.40 PROPOSED GRADE
- EXISTING GRADE
- SEWER / DRAINAGE MANHOLE
- DRAINAGE INLET
- YARD DRAIN BASIN
- DOUBLE SEWER SERVICE
- SINGLE SEWER SERVICE
- FIRE HYDRANT ASSEMBLY
- TAPPING SLEEVE & VALVE
- DOUBLE WATER METER
- SINGLE WATER METER
- GATE VALVE
- EXISTING VALVE
- EXISTING FIRE HYDRANT ASSEMBLY
- 1 BACTERIOLOGICAL SAMPLING POINT
- R.C.P. REINFORCED CONCRETE PIPE
- H.D.P.E. HIGH DENSITY POLYETHYLENE PIPE
- C.A.P. CORRUGATED ALUMINUM PIPE
- W.M. WATER MAIN
- G.V. GATE VALVE
- F.H. FIRE HYDRANT
- R.E. RIM ELEVATION
- I.E. INVERT ELEVATION
- E.O.P. EDGE OF PAVEMENT
- P.R.B. POLLUTION RETARDANT BAFFLE
- D.W.E. DESIGN WATER ELEVATION
- TREE TO REMAIN (SEE LANDSCAPE PLAN)
- PIPE CONFLICT BOX

INV TOP PIPE
TOP OF BOTTOM PIPE

D=DRAINAGE
W=WATER
S= SEWER
FM=FORCE MAIN
CN=CONDUIT

ELEVATIONS REFERENCED HEREON REFER TO
NATIONAL GEODETIC VERTICAL DATUM OF 1929 (NAVD 29)

THIS ITEM HAS BEEN DIGITALLY SIGNED AND SEALED BY ZACHARY TODD, P.E., ON 4/16/2021USING A DIGITAL SIGNATURE

PRINTED COPIES OF THIS DOCUMENT ARE NOT CONSIDERED SIGNED AND SEALED AND THE SIGNATURE MUST BE VERIFIED ON ANY ELECTRONIC COPIES

NO	DATE	BY	REVISIONS

HSQ GROUP, INC.
Engineers · Planners · Surveyors
10011 Yamato Road Suite 105
Boca Raton, Florida 33431 · 561-392-0221

BOATMAN HAMMOCK

GARBAGE TRUCK ROUTING PLAN

DATE:	04/21
DESIGNED BY:	ZT
DRAWN BY:	SG
CHECKED BY:	ZT

ZACHARY TODD LICENSE No 84179 STATE OF FLORIDA PROFESSIONAL ENGINEER

DATE: 01/07/21
ZACHARY TODD, P.E.
FLORIDA REGISTRATION NO. – 84179

PROJECT:	2012-99
SHEET:	FT-2

Z:\Projects\2020\2012\99-BOATMAN HAMMOCK\Drawings\Exhibits & Presentations\AutoTurn\2012\99-FT002.dgn

Department of Engineering and Public Works
P.O. Box 21229
West Palm Beach, FL 33416-1229
(561) 684-4000
FAX: (561) 684-4050
www.pbcgov.com

Palm Beach County Board of County Commissioners
Dave Kerner, Mayor
Robert S. Weinroth, Vice Mayor
Maria G. Marino
Gregg K. Weiss
Maria Sachs
Melissa McKinlay
Mack Bernard

County Administrator
Verdenia C. Baker

March 29, 2021

Adam B. Kerr, P.E.
Kimley-Horn and Associates, Inc.
1920 Wekiva Way, Suite 200
West Palm Beach, FL 33411

RE: Boatman Hammock Residential
Project #: 210310
Traffic Performance Standards Review

Dear Mr. Kerr:

The Palm Beach County Traffic Division has reviewed the **Boatman Hammock Residential** Traffic Impact Statement, dated January 20, 2021, pursuant to the Traffic Performance Standards in Article 12 of the Palm Beach County Unified Land Development Code (ULDC). The project is summarized as follows:

Municipality:	Palm Springs
Location:	North side of Boatman Street, east of Military Trail
PCN:	70-42-44-24-00-000-5670
Access:	Access driveway connection onto Boatman Street (As used in the study and is NOT an approval by the County through this letter)
Existing Uses:	Vacant
Proposed Uses:	Low-rise Multi-Family Residential = 51 DU
New Daily Trips:	373
New Peak Hour Trips:	23 (5/18) AM; 29 (18/11) PM
Build-out:	December 31, 2023

Based on our review, the Traffic Division has determined the proposed development does not have significant peak hour traffic impact (as defined in PBC TPS) on the roadway network; therefore, the project **meets** the Traffic Performance Standards of Palm Beach County.

Please note the receipt of a Traffic Performance Standards (TPS) approval letter does not constitute the review and issuance of a Palm Beach County Right-of-Way (R/W) Construction Permit nor does it eliminate any requirements that may be deemed as site related. For work within Palm Beach County R/W, a detailed review of the project will be provided upon submittal for a R/W permit application. The project is required to comply with all Palm Beach County standards and may include R/W dedication.

No building permits are to be issued by the Village after the build-out date specified above. The County traffic concurrency approval is subject to the Project Aggregation Rules set forth in the Traffic Performance Standards Ordinance.

The approval letter shall be valid no longer than one year from date of issuance, unless an application for a Site Specific Development Order has been approved, an

"An Equal Opportunity Affirmative Action Employer"

printed on sustainable and recycled paper

application for a Site Specific Development Order has been submitted, or the approval letter has been superseded by another approval letter for the same property.

If you have any questions regarding this determination, please contact me at 561-684-4030 or email QBari@pbcgov.org.

Sincerely,

Quazi Bari, P.E., PTOE
Manager – Growth Management
Traffic Division

QB:HA:rb
ec: Addressee
Iramis Cabrera, Interim PZ&B Director, Village of Palm Springs
Hanane Akif, E.I., Project Coordinator II, Traffic Division
Steve Bohovsky, Technical Assistant III, Traffic Division

File: General - TPS - Mun - Traffic Study Review
F:\TRAFFIC\HA\MUNICIPALITIES\APPROVALS\2021\210310 - BOATMAN HAMMOCK RESIDENTIAL.DOCXN

THE SCHOOL DISTRICT OF
PALM BEACH COUNTY, FL

KRISTIN K. GARRISON, AICP
DIRECTOR

WANDA F. PAUL
CHIEF OPERATING OFFICER

PLANNING AND INTERGOVERNMENTAL RELATIONS
3300 FOREST HILL BOULEVARD, SUITE B-102
WEST PALM BEACH, FL 33406

PHONE: 561-434-8020 / FAX: 561-434-8815
WWW.PALMBEACHSCHOOLS.ORG/PLANNING

SCHOOL CAPACITY AVAILABILITY DETERMINATION (SCAD)

Application	**Submittal Date**	03/11/2021		
	SCAD No.	**21030901F/FLU; 21030901Z/Rezoning; 21030901D/D. O.**		
	FLU /Rezoning/D.O. No.	202100218 – Village of Palm Springs		
	Property Control No.	70-42-44-24-00-000-5670 & 70-42-44-24-32-010-0160		
	Development Name	**Boatman Hammock**		
	Owner/Agent Name	WPB Partners LLC / Cotleur & Hearing		
	SAC No.	200A		
	Proposed Amendments Proposed Unit No. & Type	**Max. 54 Residential Units -** Proposed FLU and Re-Zoning **54 Multi-Family Units –** Proposed D. O.		
Impact Review		**C.O. Taylor/Kirklane** Elementary School	**LC Swain** Middle School	**John I. Leonard** High School
	New Students Generated	6	3	4
	Capacity Available	141	**-138**	**-643**
	Utilization Percentage	90%	**110%**	**121%**
School District Staff's Recommendation	**Based on the findings and evaluation of the proposed development, there will be negative impact on the public school system. Therefore, if the proposed development is approved by the Village Council, School District staff recommends the following condition to mitigate such impact.** In order to address the school capacity deficiency generated by this proposed development at the District **Middle** and **High school level**, the property owner shall contribute a total of **$72,082** to the School District of Palm Beach County prior to the issuance of first building permit. This school capacity contribution is intended to supplement the required school impact fee (impact fee credit has already been applied). Please note that the school impact fee credit is calculated based on the Net Impact Cost per Student, as calculated in the County's latest Impact Fee Ordinance, which was adopted on April 16, 2019.			
Validation Period	1) This determination is valid from **03/15/2021** to **03/14/2022** or the expiration date of the site-specific development order approved during the validation period. 2) A copy of the approved D.O. must be submitted to the School District Planning Dept. prior to **03/14/2022** or this determination will expire automatically on **03/14/2022**.			
Notice	School age children may not necessarily be assigned to the public school closest to their residences. Students in Palm Beach County are assigned annually to schools under the authority of the School Board and by direction of the Superintendent, public school attendance zones are subject to change.			

Joyce Cai

School District Representative Signature

March 15, 2021

Date

Joyce C. Cai, Senior Planner

Print Name & Title

joyce.cai@palmbeachschools.org

Email Address

CC: Iramis Cabrera, PZB Interim Director, Village of Palm Springs
Joyell Shaw, PIR Manager, School District of Palm Beach County

A Higher Standard of Excellence
engenuity group inc.
ENGINEERS SURVEYORS GIS MAPPERS

C. ANDRE BAYMAN, P.S.M.
KEITH B. JACKSON, P.E.
LISA A. TROPEPE, P.E.
ADAM SWANEY, P.E., LEED AP
JENNIFER MALIN, P.S.M.

March 29, 2021

To: Iramis Cabrera, Village of Palm Springs Planner

From: Tara Bamber, PE

Re: Boatman Hammock Townhomes
Site Plan Approval Letter
Engenuity Group Project No. 6001.114

We have received the following through WeTransfer on 3-19-21:

1. Composite Plans, 2 sheets (CP-1, dated 1-7-21 & CP-2, dated 3-18-21), by HSQ Group, Inc.
2. Site Plan, 1 sheet, 3-16-21, by Cotleur & Hearing
3. Landscape Plan, 4 sheets, revised 3-19-21, by Cotleur & Hearing
4. Drainage Statement,1 sheet, dated 3-17-21, by HSQ Group, Inc.
5. Surface Water Management Report, 13 sheets, revised 3-18-21, by HSQ Group, Inc.
6. Justification Statement, 4 sheets, dated 3-19-21, by Cotleur & Hearing
7. Response Letter, 12 sheets, dated 3-19-21, by Cotleur & Hearing

We recommend Site Plan approval with the following conditions:

1. Follow Code Sec. 34-189 regarding the Village watermain adjacent to the west property line.
2. Provide permits from applicable agencies including, but not limited to, LWDD, PBC Fire Rescue, etc.
3. Additional comments may be asked at time of Civil/Utility permit review.

If you should have any questions, please give me a call at 561-655-1151.

Cc: Kim Glas-Castro
Chad Girard, PE
Ed Horton
Lisa Tropepe, PE

Village of Palm Springs

PUBLIC SERVICE DEPARTMENT

226 Cypress Lane, Palm Springs FL 33461

January 28, 2021

Zachary Todd, P.E.

Senior Project Manager

HSQ Group, INC

1001 Yamato Road, Suite 106

Boca Raton, Florida 33431

Parcel Number: 70-42-44-24-00-000-5670

To whom it may concern:

In reference to the property at the parcel above, the Village of Palm Springs is the utility provider for the area in question. Currently the Village of Palm Springs has water and sewer capacity for 51 units o be at the above reference parcel. Some site-specific improvements may be required to connect. The closest gravity sewer main and potable water main is located along Boatmen and Todd Street. Prior to connection you will need to contact the Village of Palm Springs Utility to set up the account.

If you have any questions regarding this letter, please contact the utilities office at 561-965-5770

Sincerely,

Jancy Bravo
Customer Relation Supervisor

LAKE WORTH DRAINAGE DISTRICT

13081 MILITARY TRAIL
DELRAY BEACH, FLORIDA 33484-1105

Board of Supervisors
James M. Alderman
Stephen Bedner
Jeffrey P. Phipps, Sr.
Harry Raucher
John I. Whitworth III
Executive Director
Tommy B. Strowd, P.E.
Attorney
Mark A. Perry, P.A.

March 10, 2021

Iramis Cabrera
Village of Palm Springs
226 Cypress Lane
Palm Springs, Florida 33461-1699

Re: BOATMAN HAMMOCK
SE Quad of Boatman Road and Military Trail
LWDD Canal No. L-11
LWDD Record No. RI-20-0096

Dear Ms. Cabrera:

This project is located on the south side of the L-11 Canal and is adjacent.

After reviewing the provided canal cross-sections, LWDD will require an exclusive easement for 32 feet which will need to be conveyed prior to platting with the Village.

Please provide a Certification of Title and a Sketch of Description for said 32-foot conveyance at your convenience, however, prior to platting and issuance of LWDD permits.

LWDD has no objection to the certification of this petition at this time.

Please let me know if you have any questions.

Sincerely,

Anne H. Perry

Anne H. Perry

BOATMAN HAMMOCK

Palm Springs, Florida

Cotleur & Hearing



SITE PLAN

North 557

BOATMAN HAMMOCK

Palm Springs, Florida

Cotleur & Hearing



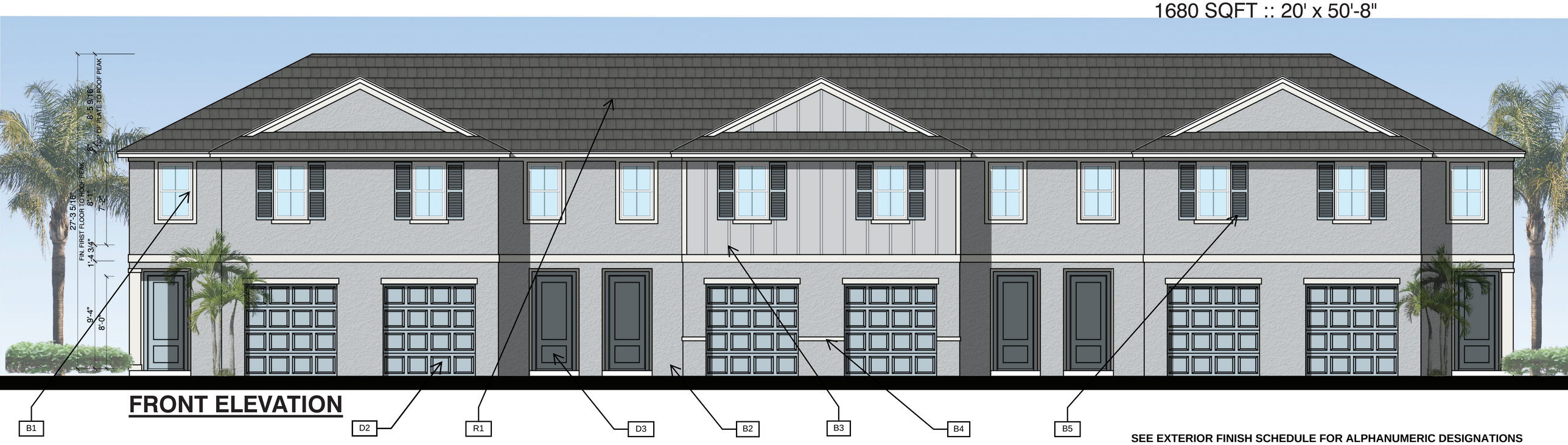
SITE PLAN

558

FRONT LOAD TOWNHOME PRODUCT

Arabella III

1680 SQFT :: 20' x 50'-8"



FRONT ELEVATION

SEE EXTERIOR FINISH SCHEDULE FOR ALPHANUMERIC DESIGNATIONS



REAR ELEVATION

FLORIDA :: SOUTHEAST FLORIDA

Boatman's Hammock

KHovnanian® Companies

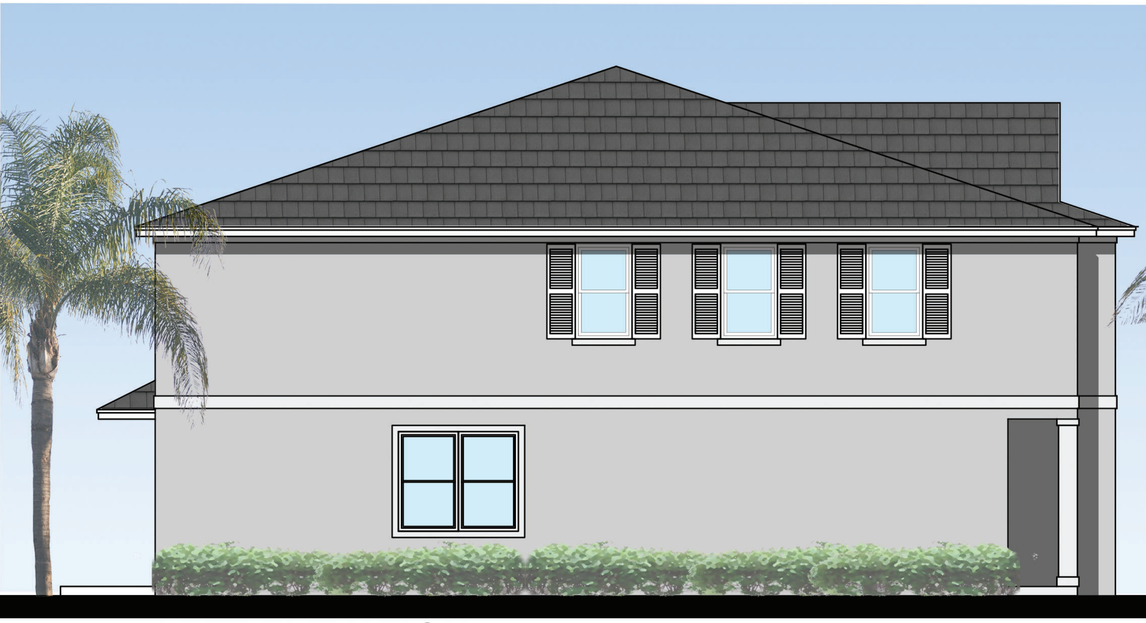
Corporate Product Development :: NYC Design Studio

559

FRONT LOAD TOWNHOME PRODUCT

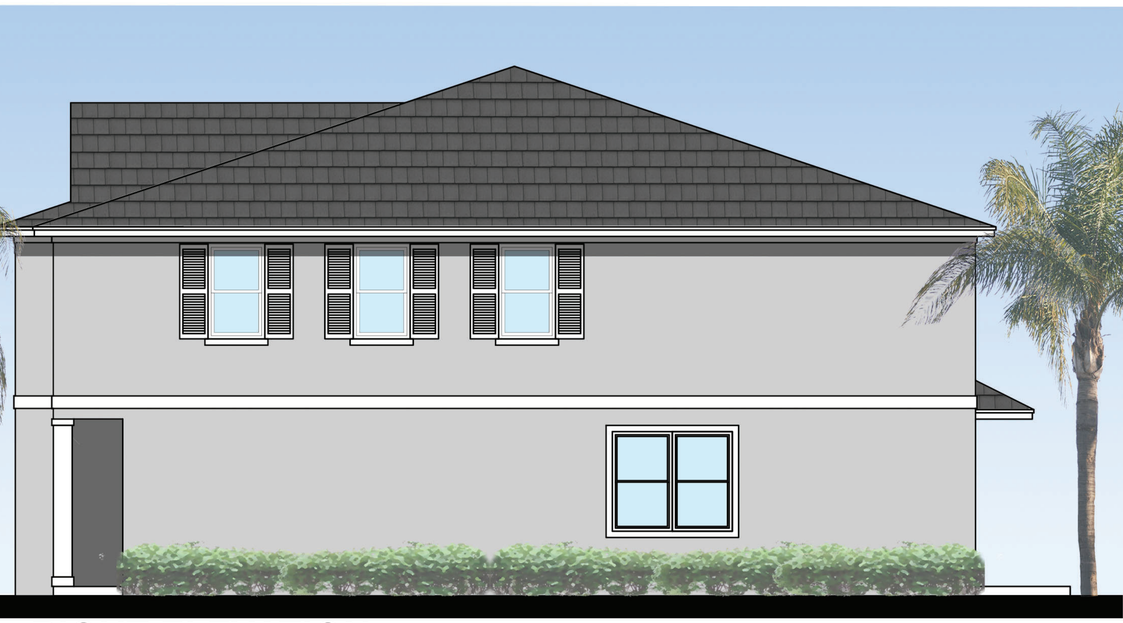
Arabella III

1680 SQFT :: 20' x 50'-8"



LEFT ELEVATION





RIGHT ELEVATION

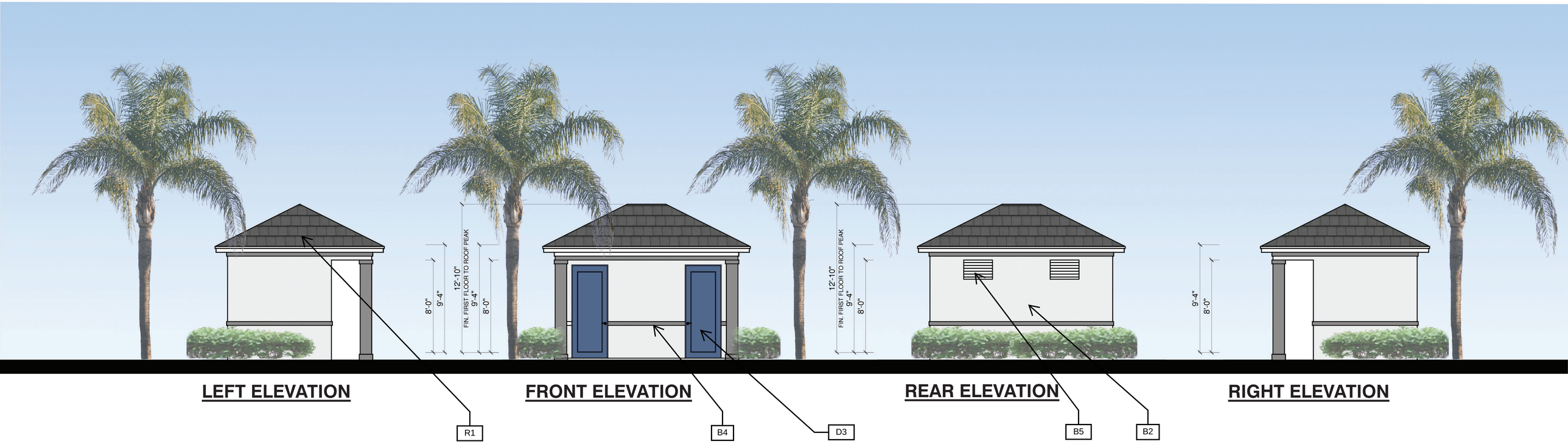
FLORIDA :: SOUTHEAST FLORIDA

Boatman's Hammock

KHovnanian® Companies

Corporate Product Development :: NYC Design Studio

560



LEFT ELEVATION | **FRONT ELEVATION** | **REAR ELEVATION** | **RIGHT ELEVATION**

CABANA ELEVATIONS

SEE EXTERIOR FINISH SCHEDULE FOR ALPHANUMERIC DESIGNATIONS

Boatman Hammock Exterior Finish Schedule

Item	Material	Finish	Manufacturer	Color	Key Note
Driveway	Concrete Pavers	Herringbone 90	Tremron	See Exterior Color Schemes	**D1**
Garage Door	Steel Panel	Painted	TBD	See Exterior Color Schemes	**D2**
Entrance Door	Fiberglass	Painted	TBD	See Exterior Color Schemes	**D3**
Windows	Aluminum	Powder Coat	N/A	White	**B1**
Body	Stucco	Textured Finish	N/A	See Exterior Color Schemes	**B2**
Board & Batten	Stucco	Sand Finish	N/A	See Exterior Color Schemes	**B3**
Trim	Stucco	Sand Finish	TBD	See Exterior Color Schemes	**B4**
Shutters	Decorative Foam	N/A	TBD	See Exterior Color Schemes	**B5**
Roofing	Flat Concrete Tile	Belair	Eagle Roofing Products	Sierra Madre	**R1**

Boatman Hammock Exterior Color Schemes

KHovnanian Homes

v1.0 210118

		COLOR SCHEME #1	COLOR SCHEME #2	COLOR SCHEME #3
		Manufacturer: TREMRON	Manufacturer: TREMRON	Manufacturer: TREMRON
	PAVERS **Lead walk, driveway, entry, patio**	Size: 4x8 Color: Natural Grey Pattern: Herringbone 90	Size: 4x8 Color: Natural Grey Pattern: Herringbone 90	Size: 4x8 Color: Natural Grey Pattern: Herringbone 90
	PAINT	Manufacturer: Sherwin Williams	Manufacturer: Sherwin Williams	Manufacturer: Sherwin Williams
P1	**BODY** **Stucco, First Floor**	SW 7006 EXTRA WHITE	SW 6232 MISTY	SW 7551 GREEK VILLA
		Manufacturer: Sherwin Williams	Manufacturer: Sherwin Williams	Manufacturer: Sherwin Williams
P3	**BOARD & BAT SIDINGS** **Second Floor Body & Gables**	SW 7006 EXTRA WHITE	SW 6232 MISTY	SW 6233 SAMOVAR SILVER
A4	**FASCIA, SOFFIT & Drip Edge:** **Aluminum**	WHITE	WHITE	WHITE
		Manufacturer: Sherwin Williams	Manufacturer: Sherwin Williams	Manufacturer: Sherwin Williams
P5	**TRIMS/BANDS: WINDOW, DOOR, CORNER, SOFFIT (Stucco and Wood)**	SW 7006 EXTRA WHITE	SW 7005 PURE WHITE	SW 0077 CLASSIC FRENCH GRAY
		Manufacturer: Sherwin Williams		Manufacturer: Sherwin Williams
P6	**FRONT DOOR & DECORATIVE SHUTTERS**	SW 7006 EXTRA WHITE	SW 9145 SLEEPY HALLOW	SW 6530 REVEL BLUE
		Manufacturer: Sherwin Williams	Manufacturer: Sherwin Williams	Manufacturer: Sherwin Williams
P7	**BRACKETS**	SW 0077 CLASSIC FRENCH GRAY	SW 7005 PURE WHITE	SW 0077 CLASSIC FRENCH GRAY
		Manufacturer: Sherwin Williams	Manufacturer: Sherwin Williams	Manufacturer: Sherwin Williams
P8	**GARAGE DOORS**	SW 6232 MISTY	SW 9145 SLEEPY HALLOW	SW 7042 SHOJII WHITE
	ROOF	Manufacturer: EAGLE ROOFING PRODUCTS	Manufacturer: EAGLE ROOFING PRODUCTS	Manufacturer: EAGLE ROOFING PRODUCTS
R9	**ROOF TILE**	STYLE: BELAIR COLOR: SIERRA MADRE	STYLE: BELAIR COLOR: SIERRA MADRE	STYLE: BELAIR COLOR: SIERRA MADRE
	WINDOWS & SLIDING GLASS DOORS	Color: White	Color: White	Color: White

MAIL KIOSK



PLAY KNOLL EQUIPMENT

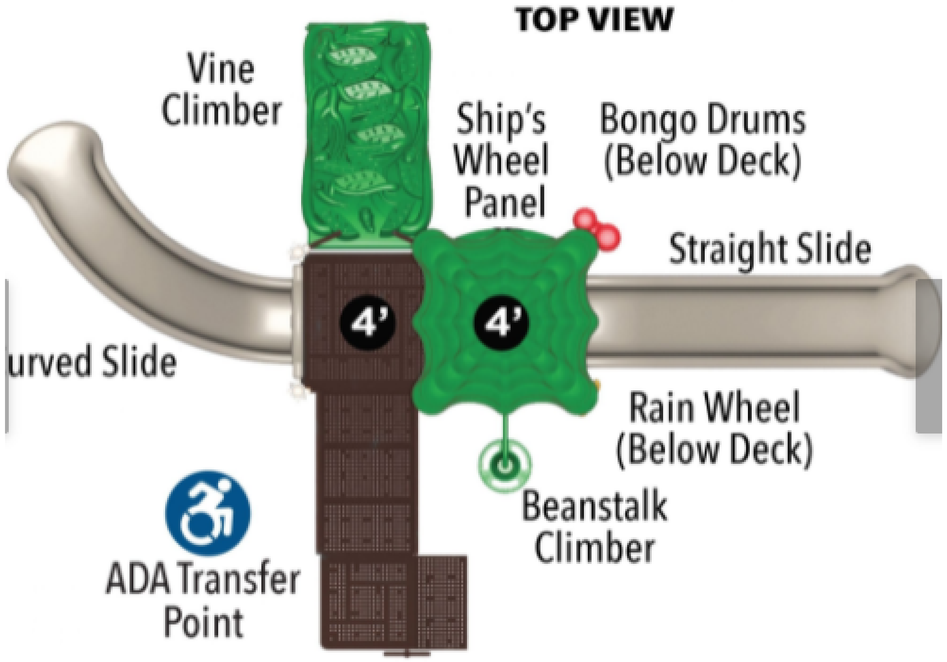








Tot Lot



NOTE: ITEMS SHOWN ARE ILLUSTRATIVE OF BUILDER'S INTENT



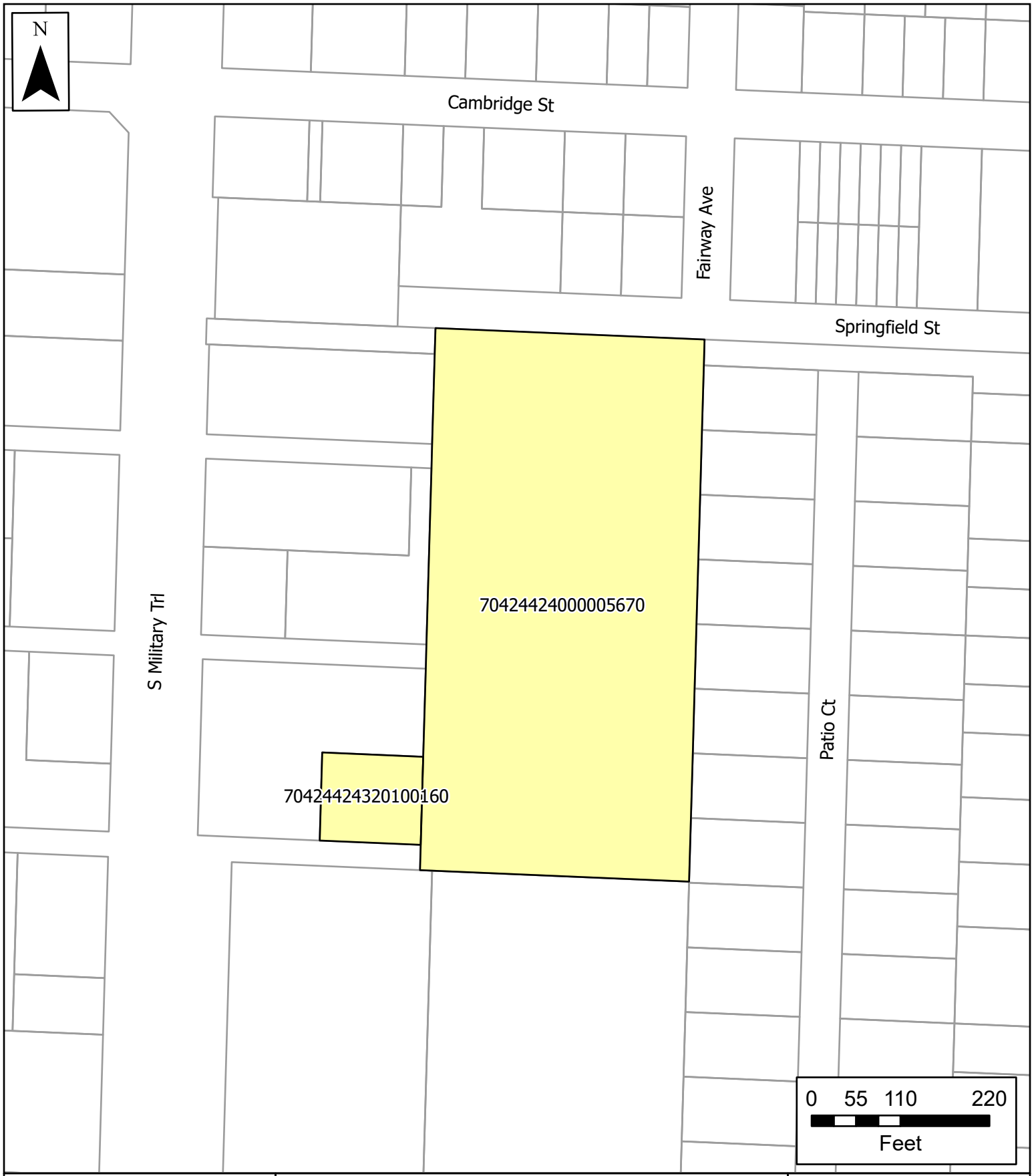
Village of Palm Springs

Boatman Hammock

Property Boundary

The Data is provided "as is" without warranty or any representation of accuracy, timeliness or completeness. The burden for determining accuracy, completeness, timeliness, merchantability and fitness for or the appropriateness for use rests solely on the requester. The Village of Palm Springs make no warranties, express or implied, as to the use of the licensed Data. There are no implied warranties of merchantability or fitness for a particular purpose. The requester acknowledges and accepts the limitations of the Data, including the fact that the Data is dynamic and is in a constant state of maintenance, correction and update

Data Source: Project boundary provided by Palm Beach County, World Imagery Basemap provided by ESRI Online Services.



Village of Palm Springs

Boatman Hammock

Parcels

Property Boundary

The Data is provided "as is" without warranty or any representation of accuracy, timeliness or completeness. The burden for determining accuracy, completeness, timeliness, merchantability and fitness for or the appropriateness for use rests solely on the requester. The Village of Palm Springs make no warranties, express or implied, as to the use of the licensed Data. There are no implied warranties of merchantability or fitness for a particular purpose. The requester acknowledges and accepts the limitations of the Data, including the fact that the Data is dynamic and is in a constant state of maintenance, correction and update

Data Source: Parcels provided by Palm Beach County



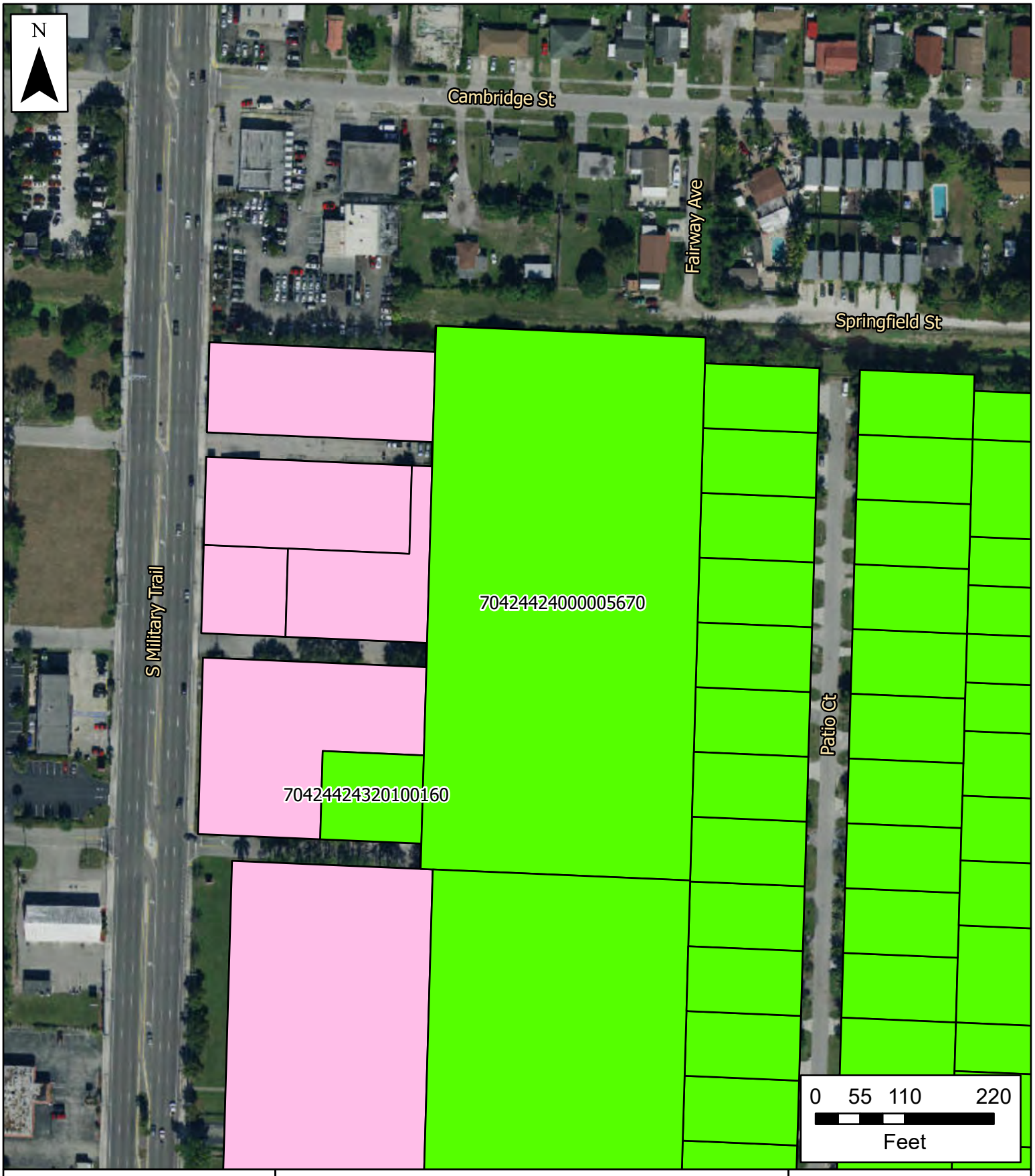
Village of Palm Springs

Proposed FLU - Boatman Hammock

Commercial
Medium Density Residential

The Data is provided "as is" without warranty or any representation of accuracy, timeliness or completeness. The burden for determining accuracy, completeness, timeliness, merchantability and fitness for or the appropriateness for use rests solely on the requester. The Village of Palm Springs make no warranties, express or implied, as to the use of the licensed Data. There are no implied warranties of merchantability or fitness for a particular purpose. The requester acknowledges and accepts the limitations of the Data, including the fact that the Data is dynamic and is in a constant state of maintenance, correction and update

Data Source: Project boundary provided by Palm Beach County, FLU provided by Village of Palm Springs, World Imagery Basemap provided by ESRI Online Services



Village of Palm Springs

Proposed Zoning - Boatman Hammock

CG (Commercial General)
RM (Residential Multi-Family)

The Data is provided "as is" without warranty or any representation of accuracy, timeliness or completeness. The burden for determining accuracy, completeness, timeliness, merchantability and fitness for or the appropriateness for use rests solely on the requester. The Village of Palm Springs make no warranties, express or implied, as to the use of the licensed Data. There are no implied warranties of merchantability or fitness for a particular purpose. The requester acknowledges and accepts the limitations of the Data, including the fact that the Data is dynamic and is in a constant state of maintenance, correction and update

Data Source: Parcels provided by Palm Beach County, Zoning provided by Village of Palm Springs, World Imagery Baseman provided by Esri Online Services

THE
LAKE WORTH HERALD

Published Once a Week

Lake Worth, Palm Beach County, Florida

STATE OF FLORIDA
COUNTY OF PALM BEACH:

BEFORE the undersigned authority personally appeared MARK J EASTON, who on oath says that he is PRESIDENT of *The Lake Worth Herald*, a weekly newspaper published at Lake Worth in Palm Beach County, Florida; that the attached copy of advertisement, being a Legal Notice in the matter of

Village of Palm Springs Notice of Hearing For Small Scale Land Use & Rezoning, Amendment, Ordinance No. 2021-06

was published in said newspaper in the issue of

May 27, 2021

Affiant further says that the said The Lake Worth Herald is a newspaper published at Lake Worth, in said Palm Beach County, Florida, and that the said newspaper has heretofore been continuously published in said Palm Beach County, Florida, each week and has been entered as second class mail matter at the post office in Lake Worth, in said Palm Beach County, Florida, for a period of one year next eding the first publication of the attached copy of advertisement; and affiant further says that he has neither paid nor promised any person, firm or corporation any discount, rebate, commission or refund for the purpose of securing this advertisement for publication in the said newspaper.

MARK J EASTON

SWORN TO AND SUBSCRIBED before me this 10th day of June, 2021, by Mark J Easton, who is known to me.

Notary Public, State of Florida at Large

DEBRA J. SNODGRASS
MY COMMISSION # GG129683
EXPIRES: September 18, 2021

NOTICE OF HEARING FOR SMALL SCALE LAND USE AMENDMENT & REZONING

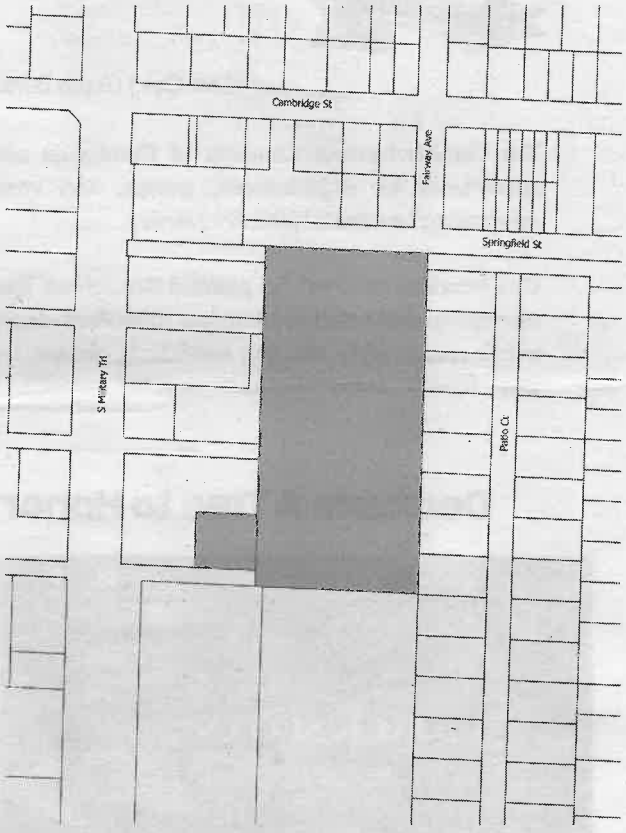
Public Hearings on the proposed ordinance will be held in Council Chambers at Village Hall, 226 Cypress Lane, Palm Springs, Florida:

ORDINANCE NO. 2021-06

(SMALL SCALE LAND USE AMENDMENT & REZONING)

AN ORDINANCE OF THE VILLAGE OF PALM SPRINGS, FLORIDA, AMENDING THE COMPREHENSIVE LAND USE PLAN OF THE VILLAGE, PURSUANT TO THE "SMALL SCALE" COMPREHENSIVE LAND USE AMENDMENT LAWS OF THE STATE OF FLORIDA, FOR A 5.44-ACRE PARCEL OF TWO LOTS UNIFIED THAT IS CURRENTLY VACANT AND PLANNED FOR "MEDIUM DENSITY RESIDENTIAL" LOCATED ON TWO (2) UNIFIED PARCELS AT 4445 BOATMAN STREET AND A VACANT LOT ON BOATMAN STREET, AND BEING MORE FULLY DESCRIBED IN EXHIBIT "A" ATTACHED HERETO, FROM A FUTURE LAND USE DESIGNATION OF "COMMERCIAL" TO A FUTURE LAND USE DESIGNATION OF "MEDIUM DENSITY RESIDENTIAL"; FURTHER CHANGING THE ZONING DESIGNATION FROM "COMMERCIAL GENERAL (CG)" DISTRICT TO PROVIDE FOR A ZONING DESIGNATION OF "RESIDENTIAL MULTIPLE-FAMILY (RM)" DISTRICT ON THE VILLAGE OF PALM SPRINGS OFFICIAL ZONING MAP; PROVIDING DIRECTIONS TO THE VILLAGE CLERK; PROVIDING FOR REPEAL OF ALL ORDINANCES IN CONFLICT; PROVIDING FOR SEVERABILITY; AND PROVIDING FOR AN EFFECTIVE DATE.

Tuesday, June 8, 2021 at 6:30 PM by Planning and Zoning Board
Thursday, June 10, 2021 at 6:30 PM by Local Planning Agency
Thursday, June 10, 2021 at 6:30 PM by Village Council, after LPA Meeting
Thursday, July 8, 2021 at 6:30 PM by the Village Council
The ordinance proposes to change the land use and zoning of the parcel as shown on the location map.



The ordinance in its entirety and a legal description by metes and bounds may be inspected at the Office of the Village Clerk during Monday through Friday between 8:00 a.m. and 5:00 p.m. All interested parties may appear at the meeting and be heard with respect to the proposed ordinance at the public hearing.

If a person decides to appeal any decision made by the above Village Council with respect to any matter considered at such hearing, he or she will need a record of the proceedings, and for such purpose may need to ensure that a verbatim record of the proceeding is made, which record includes the testimony and evidence upon which the appeal is to be based. Persons who need an accommodation in order to attend or participate in this meeting should contact the Village Clerk at 965-4010 at least 3 days prior to the meeting in order to request such assistance.

Kimberly M. Wynn, Village Clerk
PUBLISH: The Lake Worth Herald
May 27, 2021 and June 17, 2021

Village of Palm Springs

Executive Brief

AGENDA DATE: October 14, 2021

DEPARTMENT: Planning, Zoning & Building

ITEM 9.2:

Resolution No. 2021-18 - Site Development Plan - Boatman's Hammock Residential Planned Development Site Plan with Waivers (SPR21-09) - *(Quasi-Judicial Hearing)*

SUMMARY:

David Milledge, agent for K. Hovnanian SE Florida Division, LLC (Applicant) is requesting site development plan approval (SPR2021-09) for a residential planned development project for the combination of the properties located at 4445 Boatman Street and a Vacant Lot on Todd Street. The applicant is proposing to develop the 5.44 acre site with the construction of 54 two-story fee-simple townhomes. Each townhome will be a three-bedroom home with a one car garage and a driveway with space for two cars.

The proposed neighborhood will be configured with nine (9) 6-townhome unit buildings. The community will have one access driveway via the existing Boatman Street right-of-way. Amenities include a swimming pool, tot lot with playground equipment, a play knoll with fitness equipment, and an open field for lawn games.

Note: The Village Code - Section 34-1063(c) Waivers - provides that waivers may be granted by the Village Council following and advisory recommendation by the Planning & Zoning Board. All requests for waivers shall be identified on the site plan and shall accompany an application for site plan approval of planned development.

The applicant is requesting three (3) waivers for the proposed RPD site plan:

1. Relief from Sec.34-164 - Allow 10% of the building facades to receive foundation

planting areas rather than the minimum required 25% of the building facades facing a street
2. Relief from Sec.34-1063(a)(1) - Allow one sidewalk along the street rather than the required sidewalks on both sides of the street
3. Relief from Sec.34-766(1) - Allow 54 townhomes to be constructed on a 5.44-acre property rather than 11.47 acres minimum parcel size required in the RM district.

Note: Based on the property standards within the Residential Multi-Family (RM) zoning district (specifically the minimum lot area requirements) outlined in Village Code section 34-766(1), this proposed 5.44-acre parcel could only support a maximum of twenty-six (26) dwelling units rather than the proposed fifty-four (54) by the developer. The applicant is seeking one (1) waiver in order to obtain approval as a Residential Planned Development (RPD) and therefore the ability to maximize density on the property with fifty-four (54) townhomes.

The Applicant is requesting a Future Land Use Amendment and Rezoning which are subject of a separate agenda item. Approval of the Residential Planned Development site plan is dependent of the approval of the Land Use Amendment and Rezoning.

During first reading of the land use/rezoning ordinance, the Village Council questioned where drivers unfamiliar with the new Boatman Street access would turn around without using a resident's driveway, and asked the Applicant to evaluate a turnaround near the entrance into the community. The Applicant states that they evaluated the project design, but offer that a driver can use a parking space at the passive park to turn around.

The Planning & Zoning Board considered the requested RPD during its regular meeting on June 8, 2021 and recommended approval.

Planning, Zoning & Building Staff does not object to the Residential Planned Development Site Plan with three (3) waivers and recommends conditional approval of the proposed development subject to forty-six (46) conditions and one (1) recommendation.

FISCAL IMPACT:

The proposed project is expected to increase the Village's assessed property valuation.

This property is located within the Palm Springs Community Redevelopment Agency (CRA) - Lake Worth District and redevelopment would result in increased Tax Increment Fund (TIF) revenue.

ATTACHMENTS:

Proposed Resolution No. 2021-18 - Site Development Plan Amendment - Boatman Hammock - 4445 Boatman Street & Vacant lot on Todd Street
Exhibit "A" Staff Recommendation and Conditions of Approval
Site Plan, Landscape Plans, Architectural Plans, Civil Plans and Letters

Project Narrative and Justification Statements
Colored Site Plans
Colored Elevations with Finish Schedule
Colored Open Space Exhibit
Aerial, Location, FLU and Zoning Maps
Legal Description
Notice of Public Hearing - 4445 Boatman Street - Boatman Townhomes

RESOLUTION NO. 2021-18

A RESOLUTION OF THE VILLAGE COUNCIL OF THE VILLAGE OF PALM SPRINGS, FLORIDA, REQUESTING (APPROVING/DENYING), WITH CONDITIONS, A SITE DEVELOPMENT PLAN, (SPR21-09) FOR THE CONSTRUCTION OF A RESIDENTIAL PLANNED DEVELOPMENT SITE PLAN PROJECT CONSISTING OF NINE (9) TOWN HOME UNIT BUILDINGS (APPROXIMATELY 56,061 SF TOTAL) WITH 54 TWO-STORY FEE-SIMPLE TOWNHOMES, LOCATED AT 4445 BOATMAN STREET AND A VACANT LOT ON TODD STREET AND PROVIDING FOR AN EFFECTIVE DATE.

WHEREAS, Mr. David Milledge, agent for K. Hovnanian SE Florida Division, LLC ("Applicant") is requesting a Site Development Plan (SPR21-02) for a Residential Planned Development Project with three (3) waivers. The proposed project is ±5.44 gross acres (gross area), located at 4445 Boatman Street and a Vacant lot on Todd Street; and

WHEREAS, Mr. David Milledge, agent for K. Hovnanian SE Florida Division, LLC, is requesting the following three (3) waivers:

1) Requesting a waiver from Sec. 34-164 to allow 10% foundation planting instead of 25% minimum required of the linear feet of building façade facing a street.

2) Requesting a waiver from Sec. 34-1063(a)(1) to allow for one sidewalk on a street or primary driveway interconnected with other pedestrian ways instead of sidewalks on both sides of the main street.

3) Requesting a waiver from Sec. 34-766(1) to allow the construction of 54 residential dwelling units within 5.44 acres instead of 11.47 acres minimum required within the RM district.

WHEREAS, the recommendation of the Planning, Zoning and Building Department is to approve this application, subject to staff report conditions; and

WHEREAS, the Village Council and Planning & Zoning Board has heard this matter in public session; has considered the presentation and other evidence presented by the Applicant; has received and considered the recommendations of the Village Staff; and has otherwise been fully informed regarding this matter.

NOW THEREFORE, BE IT RESOLVED BY THE VILLAGE COUNCIL OF THE VILLAGE OF PALM SPRINGS, FLORIDA:

Section 1. The Village Council having received and considered the request of K. Hovnanian SE Florida Division, LLC ("Applicant"), for approval of Site Development Plan (SPR21-09) and three (3) waivers within the proposed Residential Planned Development.

Note: Within the proposed Site Development Plan Amendment, the Applicant is requesting three (3) waivers:

The Planning & Zoning Board ("Board") considered these requests during their June 8, 2021 meeting and in light of the applicable legal criteria set forth in Chapter 34 of the Palm Springs Code and the sworn testimony and other evidence presented at public hearing, and the Board recommended approval of the application, finding that good cause for the waivers has been shown and they have been demonstrated to be in harmony with the purpose, objectives, and performance standards of this subdivision based upon the criteria set forth in Palm Springs Code Section 34-1063(c).

_____**Having been otherwise fully apprised of the premises herein, the Village Council hereby adopts the findings of the Board and approves the said application as revised, with the staff report conditions attached hereto as Exhibit "A", and which is incorporated herein by reference**.

OR

_____Having been otherwise fully apprised of the premises herein, the Village Council hereby rejects the Board findings and denies the application, finding that good cause for the waivers has NOT been shown and they have NOT been demonstrated to be in harmony with the purpose, objectives, and performance standards of this subdivision based upon the criteria set forth in Palm Springs Code Section 34-1063(c), for the following reason(s):

_____

_____

_____

Notwithstanding any exceptions, conditions or other approvals granted herein, the applicant must conform to all other applicable codes, ordinances, and laws whether stated herein or not.

Section 2. This Resolution shall take effect thirty-one (31) days upon adoption.

Council Member _____ offered the foregoing resolution. Council Member_____ seconded the motion, and upon being put to a vote, the vote was as follows:

	Aye	Nay	Absent
BEV SMITH, MAYOR	□	□	□
GARY READY, VICE MAYOR	□	□	□
DOUG GUNTHER, MAYOR PRO TEM	□	□	□
PATTI WALLER, COUNCIL MEMBER	□	□	□
JONI BRINKMAN, COUNCIL MEMBER	□	□	□

The Mayor thereupon declared the Resolution duly passed and adopted this _____ day of _____2021.

VILLAGE OF PALM SPRINGS, FLORIDA

BY:_____
BEV SMITH, MAYOR

ATTEST:

BY:_____
KIMBERLY M. WYNN, VILLAGE CLERK

REVIEWED FOR FORM AND LEGAL SUFFICIENCY

BY:_____
GLENN J. TORCIVIA, VILLAGE ATTORNEY

PLANNING, ZONING & BUILDING STAFF REPORT

SUBJECT: Small-Scale Land Use Amendment, Rezoning and Site Development Plan (Residential Planned Development Site Plan with Waivers) - Boatman Hammock – 4445 Boatman St & Vacant lot on Todd St.

Application Summary			
Applicant / Petitioner	K. Hovnanian SE Florida Division, LLC.	Submittal Date	3/1/2021
Reference Name	Boatman's Hammock	Case Number	SPR21-09
		Parcel Control No	70-42-44-24-00-000-5670 & 70-42-44-24-32-010-0160
Location	Assembly of the properties 4445 Boatman St & vacant lot on Todd St	Site Area	±5.44 acres
P&Z Bd Meeting	June 8, 2021	Local Planning Agency	July 8, 2021
Council Meeting (1st Reading)	July 8, 2021	Council Meeting (2nd Reading)	August 26, 2021

Requests	
Proposed Use(s)	Small-Scale Land Use Amendment of the Future Land Use Map to change the land use from Commercial to Medium Density Residential, concurrent with Rezoning from Commercial General (CG) to Residential Multiple-Family and a Planned Development Site Plan for construction of 54 two-story townhomes within nine buildings.
Number of Buildings	9 Buildings (approximately 56,061 SF total)
Waivers	1. Requesting a waiver from Sec.34-164 to allow 10% foundation planting instead of 25% minimum required of the linear feet of building façade facing a street. 2. Requesting a waiver from Sec.34-1063(a)(1) to allow for one sidewalk on a street or primary driveway interconnected with other pedestrian ways instead of sidewalks on both sides of the main street. 3. Requesting a waiver from Sec.34-766(1) to allow the construction of 54 residential dwelling units within 5.44 acres instead of 11.47 acres minimum required within the RM district.

Parking			
Code	Required	Provided	Meets Requirement
Total Parking	Total of 169 parking needed 2.5/ DU + 25% for guest	189 spaces total 54 garages spaces 108 driveway spaces (2 per unit) 27 guest spaces	Yes

Setbacks			
Code	Required Minimum	Proposed	Meets Requirement
Front yard (South)	25'	31'	Yes
Rear yard (North)	20'	61'	Yes
Side yard (East & West)	20'	Residence 29' Pool cabana building 20'	Yes

Site Characteristics			
Existing Use	Vacant lot & Multi-Family Homes	Proposed Use	Residential Multiple Family
Existing Zoning	Commercial General (CG)	Proposed Zoning	Residential Multiple-Family (RM)
Existing Future Land Use	Commercial	Proposed Future Land Use	Medium Density Residential
Proposed Density	10 du/acres		

Surrounding Existing Land Use, Future Land Use, and Zoning			
Direction	Existing Use	Future Land Use	Zoning District
North	Multi-Family Residences	Medium Density Residential (MR5) - unincorporated	Multi-Family Residential (RM) - unincorporated
South	Nursing Home	Medium Density Residential	Residential Multi-Family (RM)
East	Single-Family Residences	Medium Density Residential	Residential Multi-Family (RM)
West	Commercial (auto repair and general businesses)	Commercial	Commercial General (CG)
Recommendation			
Planning, Zoning & Building Staff recommends conditional approval of the new residential Medium density planned development site plan, as depicted on the proposed site plan, based on consistency with the Village Comprehensive Plan, compatibility with surrounding uses and generally consistent with the CRA Lake Worth Road District objectives. Planning & Zoning Board considered the application during their regular meeting on June 8, 2021 and recommended approval - motion was carried 5-0.			



I. Site History

- Ordinance 2014-31: Annexation

The property located at Todd Street, was voluntarily annexed into the Village of Palm Springs on December 11, 2014 and concurrently designated with the Village's Future Land Use and Land Development District of Commercial and Commercial General, respectively.

- Resolution 2014-54: Annexation

The property located at 4445 Boatman Street, was annexed into the Village of Palm Springs via interlocal agreement with Palm Beach County, the agreement was executed by Palm Beach County on January 13, 2015, and the Village Council approved the annexation on December 11, 2014.

II. Comprehensive Plan Consistency

- The subject property's Future Land Use designation and Zoning are Commercial and Commercial General (CG), respectively. The proposed small-scale land use amendment is to assign the Village's Future Land Use of Medium Density Residential. Concurrently, rezoning from the CG district to Residential Multiple-Family is requested, and is supported with a planned development site plan. All requests are consistent with goals, objectives and policies of the Village's Comprehensive Plan.

III. Waivers Requested

The applicant is seeking the following waivers:

Waiver #1: The applicant is requesting a waiver relief from Sec.34-164 to allow 10% foundation planting instead of 25% minimum required of the linear feet of building façade facing a street.

Waiver #2: The applicant is requesting a waiver relief from Sec.34-1063(a)(1) to allow for one sidewalk on a street or primary driveway interconnected with other pedestrian ways instead of sidewalks on both sides of the main street.

Waiver #3: The applicant is requesting a waiver relief from Sec.34-766(1) to allow the construction of 54 residential dwelling units within 5.44 acres instead of 11.47 acres minimum required within the RM district.

The applicant's full justification to the waivers is attached hereto.

a. <u>The request is in harmony with and is consistent with the purpose and intent of the Village's Comprehensive Plan and Land Development Code and that such waiver will not be injurious to the area involved or otherwise detrimental to the public health, safety, and welfare.</u>

Waiver 1: The request in-line with the Village's Comprehensive Plan and Land Development Code. The waiver request is not detrimental to the public health, safety, and `welfare of the area. Increased plantings in the rear of the building increase the residential security and provides for the natural landscaping typical of a foundation planting.

Waiver 2: The waiver request is in harmony and consistent with the intent and purpose of the Village's Comprehensive Plan and Land Development Code. The waiver will not be injurious to the area involved as marked crosswalks are provided to facilitate interconnectivity as well as traffic calming measures to ensure safe movement across the streets. This includes pedestrian crossing signage, stop bars, and stop signs.

Waiver 3: The request is in harmony with the intent of the Village's Comprehensive Plan and Land Development Code. The reduction of lot area size will not impact the public health and safety, and it does not serve to hurt the area. Increased density and smaller lot areas increase the residential economy and provide more of a boost to the surrounding local development.

b. The request results from innovative design in which other minimum standards are exceeded.

Waiver 1: Steps were taken in the design process to provide for excess open space and common amenities because of the requested decrease in foundation plantings. Additionally, the increase rear plantings provide an increase in screening for the rear of the property and is visually incorporated into the landscape of the townhomes that have a rear boundary line abutting a common amenity.

Waiver 2: With the reduction of sidewalk to one side of the road, the site can provide open space and amenity space in excess of the minimum standard. This includes backyards as well as the open space play areas and grassy knoll. The addition of a second sidewalk would reduce the existing plantings and reduce the total open space square footage on site. Inline with the Village's Land Development Code, the proposed sidewalk has been incorporated into the surrounding amenities.

Waiver 3: The waiver is a result of a design that increases density efficiency while maintaining an exceeding amount of open and amenity space. The design allows the site to maintain an extremely large amount of space while maintaining the efficiency of the townhome sites.

c. The request demonstrates that granting of the waiver will result in preservation of valuable natural resources, including drainage and recharge areas, natural areas, etc.

Waiver 1: The waiver request provides for an increase in open space, drainage, and community amenities. Increased foundation planting requirements would severely impact the parking availability at each town home and require excess parking to provide onsite in areas that are currently open space.

Waiver 2: The requested waiver will result in the preservation of natural areas and drainage areas by not increasing the impervious surface area required in providing sidewalks on both sides of the road. If provided, the additional sidewalk would move the buildings into the existing amenity and open space which in turn would decrease the space for activities provided for the residents.

Waiver 3: The granting of this waiver request allows the proposed natural areas and drainage areas to remain at the current size, which is more than the require code. Increased lot area would result in an over reduction of community amenities.

d. The request demonstrates public benefits to be derived, including but not limited to such benefits as dedication of rights-of-way, extensions of pedestrian linkages outside of the project boundaries, preservation of open areas and use of desirable architectural, building, and site design techniques.

Waiver 1: The public benefits from the request of the waiver through the visual benefit of increased rear townhome plantings as well as through the preservation of open space through reduced onsite parking

Waiver 2: The request provides a similar public benefit to the code required two sidewalks minimum, while also preserving green space on site and reducing impervious surface area. The site design specifically provides walkability and ease of access by connecting all the proposed buildings and amenities. The sidewalk connects to the existing sidewalk along Boatman Street and extends the pedestrian linkages of the site beyond the project boundaries.

Waiver 3: There is ample public benefit to be derived from the granting of the waiver. The reduced lot area means

that the homes are more accessible in price range. The open space on site is also preserved as previously mentioned. The design of the site is functionally the same as single large family detached homes but instead places the open and amenity space in community areas for public benefit rather than in private backyards.

e. The request provides sufficient screening and buffering to screen adjacent uses from adverse impacts caused by the granting of a waiver.

Waiver 1: Not applicable to this waiver. However, it is important to note that the increased backyard plantings do provide an increase in screening to the rear of each townhome.

Waiver 2: This request does not impact screening and buffering.

Waiver 3: The potential adverse impacts of smaller lot areas on adjacent properties have be addressed in the opaque landscape buffer that provides little to no visibility.

f. Economic issues may not be used to justify waivers.

Waiver 1, 2, 3 & 4: Economic issues are not used as a justification for these requests. The reduced price of unit based on the lot size is a byproduct of a design that had an original intent to create large open and amenity space on site.

g. The request is compatible with existing and potential land uses adjacent to the development site.

Waiver 1: The waiver does not affect the already compatible existing and potential land uses adjacent to the development site. The request for a reduction in foundation waiver plantings only impacts the interior of the site.

Waiver 2: The waiver is primarily regarding the interior of the site and does not have a significant impact on the adjacent land uses. The only aspect of the sidewalk that might affect adjacent land uses is the extension and connection to the existing sidewalk along Boatman. However, this connection only serves to increase the potential development and connectivity and does not negatively impact the parcels it is adjacent to.

Waiver 3: The increased density that would result from the requested waiver is compatible with the surrounding land uses. With primarily commercial on the western boundary and residential on the east, a Multi-Family lot development provides a transition zone between the two incompatible land uses.

Staff supports the applicant's request based on the intent of the applicant to maximize the utilization of the land reducing the amount of impervious surface and consistency with the Village Comprehensive Plan allowing for innovative designs. Although the acreage is below the minimum required for 54 residential dwelling units, the property can still be developed in the proposed manner without any adverse impact to the surrounding properties.

IV. Neighborhood Compatibility

1) The proposed project is located east of Military Trail, at the terminus of Boatman Drive, Todd Street and Clemens Street.
2) Surrounding properties are a mix of residential and commercial uses.
3) The property is located within the Lake Worth Road District CRA.
4) The Village Center is located within 1.5 miles.
5) A mix of different uses like general retails, restaurants, grocery supermarket and professional offices are located on the proximities along Military Trail.
6) Available public transportation on Military Trail is existing within less than ¼ mile from the property.

V. Consistency with Palm Springs Lake Worth Road District CRA

1. Detailed Description of the Proposal's Consistency with Five (5) Key Goals of CRA

I. Improving Utilities and Infrastructure

The development will utilize the existing utilities such as stormwater and wastewater. Additional infrastructure provided on site will enhance the infrastructure facilities and services of the area.

II. Expanding Job Development and Economic Growth

The development proposal does not directly fulfill the CRA's key goal to expand job development and economic growth, but it will provide additional residents to supply the workforce and economy of the Village.

III. Enhancing Public Safety

The development proposal will enhance public safety, as the subject site is currently vacant and an ideal area for vagrancy, illegal dumping and other criminal activities to occur due to its location at the terminus of three streets. The development of buffers, fencing, and additional landscape screening around the perimeter of the subject site will significantly decrease the chance of any crime occurring on this property in the future.

IV. Increasing and Maintaining Workforce Housing

The proposed plan provides a multi-family townhomes housing option to an area that is predominantly a single family detached housing area. Single family residences are typically Boatman Hammock more expensive than multifamily units. This will provide an alternative option the existing housing conditions of the surrounding area.

V. Advancing the Partnership with Palm Beach County

The development proposal will advance the partnership with Palm Beach County due to its location within the Kenwood Estates Countywide Community Revitalization Area (CCRT) neighborhood core area. The Countywide Community Revitalization Area's within Palm Beach County are overseen by the County's Office of Community Revitalization (OCR). This request will require the continued coordination with the County and surrounding residents to ensure the communities needs are met.

2. Proposal's effect on existing conditions (identified in CRA Community Redevelopment Plan) in the CRA District.

- The plan provides an extension of what is currently an ineffective roadway in Boatman Street. Rather than a short off shoot of Military Trail, it now extends into a residential development.
- The plan encourages good planning policy in site layout by combining two parcels and providing accessibility through an underutilized road. The lot, as it sits, is somewhat trapped between an inaccessible residential area, a canal, and a commercial boundary. The development creates an adequate and accessible site.
- The proposed plan invites modern planning strategies to the surrounding area by establishing transition zoning from commercial to residential. This is beneficial to the outdated building density patterns as it provides an example of a increased density Multi-Family residential development that functionally blends in and does not increase the inadequate existing patterns.

3. Proposal's ability to assist in achieving strategies and objectives of the Palm Springs CRA.

The proposed site stands to improve the Palm Springs area and assist the CRA in their objects and strategies. This will be done through good planning techniques, adequate zoning and improvement upon vacant or blighted properties. As discussed, the plan meets the goals and directives of the CRA. The applicant is excited to bring this development to the Palm Springs and revitalize the area through a residential boost in economy.

VI. Regulatory Issues

- The site plan generally conforms to the property development standards of the Residential Planned Development.
  1) Proposed project plan generally meets required site development regulations.
  2) A Medium-Density Residential Land Use designation and rezoning to RM, shall be approved prior to consideration of the proposed Site Plan.
  3) The applicant is responsible to acquire all applicable permits from all regulatory agencies with jurisdiction over the project site, including but not limited to Palm Beach County, LWDD and the Village of Palm Springs.
  4) Civil/Utility plans shall be approved by the Village's Engineer.
  5) A 32' wide exclusive easement shall be dedicated to LWDD.
  6) The project is located within the Airport Land Use Noise Zone (ALUNZ) for Palm Beach County Park Airport.
  7) The proposed development is located within the Airport Regulated area Zone 1 for PBIA and Lantana Airport
  8) Proposed Site Plan meets the Traffic Performance Standards of Palm Beach County.
  9) Property shall be platted.

VII. Environmental Issues:

There are no environmental (wetlands, floodplains, etc.) issues identified.

VIII. Community Outreach/ Notification

- The subject property was posted on May 28, 2021.
- Public Notification letters were mailed to all property owners within 300 feet radius of subject property on May 21, 2021.
- Legal advertisement was published in the paper on May 27, 2021 and will be re-advertise on June 3, 2021 and July 1, 2021.
- Staff has not received any inquiries or comments as a result of the notices.

IX. Proposed Development Plan Details

The petitioner's development plans dated received on March 1, 2021 depicts the following:

- Application for Small-Scale Land Use Amendment, Rezoning and Residential Planned Development Site Plan approval with 3 waivers for the construction of 54 two-story fee-simply townhomes within 9 buildings.
  1. Site Plan dated received March 1, 2021 revised and resubmitted on June 18, 2021.
  2. Landscape plans dated received March 1, 2021 revised and resubmitted on April 16, 2021.
  3. Engineering plans dated received March 1, 2021 revised and resubmitted on April 16, 2021.
  4. Architectural plans dated received March 1, 2021 revised and resubmitted on April 16, 2021.
  5. Photometric plan dated received March 1, 2021.
  6. Boundary survey.
  7. Traffic study.
  8. Project narrative and Justification Statement of proposed use.
  9. Drainage calculations.
  10. Common amenities detail plan.
  11. Rendering.
  12. Colored site plan.

X Recommendation

The property is located on 2 parcels that make up the site currently within the Commercial General zoning district and have a Commercial Future Land Use designation. The applicant is proposing to rezone to Residential Multiple-Family concurrently amending the Future Land Use to Medium Density Residential and proposing the development of the 5.44 acres parcel with the construction of 54 two-story fee-simple townhomes. The site is primarily accessed from S Military Trail the major arterial and three separate minor arterials: Clemens Street, Todd Street and Boatman Street, being Boatman Street, the main access point to the site. The townhomes will be three-bedroom homes with

a one car garage and a driveway with space for two cars. The buildings will be configured with nine (9) two-story townhome structures and each building with 6 attached units. The community will have one access driveways via the existing Boatman Street right-of-way. Amenities include a tot lot with playground equipment, a swimming pool, walking trail, a playground knoll, and an open grass play area for lawn games.

Planning, Zoning & Building Staff has conducted a review of the application and found the proposed Residential Planned Development Site Plan to be consistent with goal, objectives and policies of the Village's Comprehensive Plan. The proposed project is generally consistent with the Land Development and zoning regulations and all other portions of the code. The proposed residential Multi-Family project provides internal sidewalk connections between the common amenities (tot lot with playground equipment, the swimming pool, the walking trail and grass area for lawn games) and the buildings, to facilitate pedestrian circulation and safety. The proposed project provides open spaces creating common areas for passive/leisure activities. The proposed use does not significantly reduce light and air on adjacent properties and would not be a deterrent to surrounding properties. The new project does not negatively impact natural systems.

In addition, the project exceeds some of the minimum requirement for a Planned Development as shown on the table below:

Land Development Regulations	Required	Proposed
35 percent of the gross land area for open space	82,938 sf (1.90 acres)	120,586 sf (2.76 acres) (50%)
40% maximum lot coverage	94,786 sf	56,061 sf (23%)
Parking spaces (2.5 / unit + 25% for guest)	169 spaces	189 spaces

Planning, Zoning & Building Staff recommends approval of the Small-Scale Land Use Amendment and Rezoning. PZ&B Staff recommends conditional approval of the Residential Planned Development Site Plan with 3 waivers, for the construction of 54 two-story fee simple townhomes subject to the following forty-seven (47) conditions below, a suggestion for a voluntary monetary contribution requested by the School District to mitigate school impacts, and a recommendation from the Planning & Zoning Board:

1. Build out date December 31, 2023.
2. Notice of Actual Construction or Alteration form shall be filled out (form 7460) to determine if the project will be a hazard to air navigation, according to PBIA, and a final determination letter shall be provided to the Village at time of permitting.
3. Per Palm Beach Department of Airports request, each perspective tenant and/or purchaser within the ALUNZ must be informed that occasionally will observe aircraft arriving at and departing from Palm Beach County Park Airport, and shall be disclosed prior to a real estate contract. The condition will become inclusive in the contract's conditions and shall be noted in subsequent contracts. Condition shall be added into the HOA covenants/ deed restrictions document and provided to the Village at time of Platting.
4. The final plat shall be approved by the Village Council prior to issuance of a building permit.
5. The Final Plat shall be approved and recorded prior to any sales.
6. The common amenities (tot lot with playground equipment, the swimming pool, walking trail, open grass area for lawn games and the playground knoll area) shall be completed in their entirety, open for use and accessible to the residents, prior to the issuance of the 21st Certificate of Occupancy (40% of the project)
7. The dedication of the 32-foot exclusive easement to LWDD shall be executed at time of platting.
8. The access driveway that connects Boatman Street with the property located 3716 S Military Trail (Bank of America property) shall be closed by the Applicant with a Village Right-of-Way permit to prevent cut-through traffic to Lakewood Road. The closure of this driveway shall be completed prior to the issuance of the 21st Certificate of Occupancy. The Applicant shall prevent construction vehicles from utilizing this driveway access prior to its closure. The applicant/owner is responsible for the improvement (streetscape

planting with swale) within the Boatman Street public right-of way, plans shall be submitted to the Planning, Zoning and Building Department for review and approval.

9. Improvements along Boatman Street right-of-way up to South Military Trail (streetscape planting, irrigation, and sidewalk) shall be completed prior to the issuance of the 21st Certificate of Occupancy. Plans shall be submitted to through the Planning, Zoning and Building Department for review and administrative approval and permitting.
10. Palm Beach County "Digital Inclusion infrastructure" (broadband antenna and related facilities) shall be accommodated on the property (if location is determined to be desirable for broadband coverage by Palm Beach County or School District of Palm Beach County), prior to the 21st Certificate of Occupancy, and property owner shall voluntarily serve as a program partner (easement/agreement, electric) through the life of the program.
11. A Utility/Civil Plan shall be approved by the Village Engineer at time of permitting.
12. No parking shall be allowed within the driveway extensions along buildings 5, 6 and 7 at any time.
13. Garages shall be used for parking only. The HOA covenants/ deed restrictions shall include prohibit the conversion of garages into habitable spaces or used as storage.
14. The HOA shall be responsible for all landscape maintenance, including mowing of private yards (this shall be included in the HOA documents).
15. The HOA covenants/deed restrictions shall prohibit the installation of sheds, the parking of boats, commercial vehicles, or recreational vehicles anywhere inside the property. Parking of oversized vehicles that do not fit within the typical parking stall (9'x18.5') shall also be prohibited.
16. Any/all legal instrument recorded shall include deed restrictions on the lots as follows:
    a. Garages shall remain as garages and shall not be converted to habitable space.
    b. Only two vehicles shall be parked in the driveways overnight and shall not be permitted to park on or block any sidewalk or drive isles.
    c. There shall be no screen enclosures or additions permitted including screening the rear patios.
    d. There shall be no pools permitted.
    e. No additional impervious or semi-impervious surface.
17. The construction dumpster shall be only provided by Waste Pro USA who is under franchise Agreement with the Village.
18. Conditions of approval stated in Village Engineer's letter (Engenuity Group, Inc.) issued on March 29, 2021 shall be satisfied at time of Civil/Utility application review.
19. No parking shall be allowed, under any circumstances, along the drive isle. Residents and guest parking shall only occur within designated parking stalls, private driveways and private garages.
20. At time of permitting, provide value of construction and number of construction jobs created to be included in CRA annual report.
21. Any existing or proposed utility box/cabinet shall be screened from view, Staff recommends wrapping the cabinets/box with a match design accordingly with the existing/proposed location.
22. Any existing or proposed utility easement shall not overlap more than 5' the landscape buffer.
23. The property owner shall post a notice of annual boundary school assignments for students from this development. The district will provide an 11' x 17' sign to be posted in a clear and visible location in all sales offices and models with the following:

"NOTICE TO HOMEBUYERS/TENANTS"

"school age children may not be assigned to the public school closest to their residences. School Board policies regarding overcrowding or other boundary policy decisions affect school boundaries. Please contact the Palm Beach School District Boundary Office at (561)434-8100 for the most current school assignment(s)".

24. Photometric plans shall be approved by the Planning, Zoning and Building Department at time of permitting.
25. Landscaped areas shall be irrigated including but not limited to buffer, islands, planter boxes, etc.
26. The mail pickup and delivery system shall be approved by the United States Postal Service.
27. Irrigation plans shall be provided at the time of permitting. Non-potable water shall be used for the irrigation system per Village code.
28. Provide permits from all applicable permitting agencies, including but not limited to, Lake Worth Drainage District, PBC Fire Department and Village of Palm Springs at the time of permitting.
29. The property owner shall register an Agent of Record, prior to issuance of a permit, to establish a contact

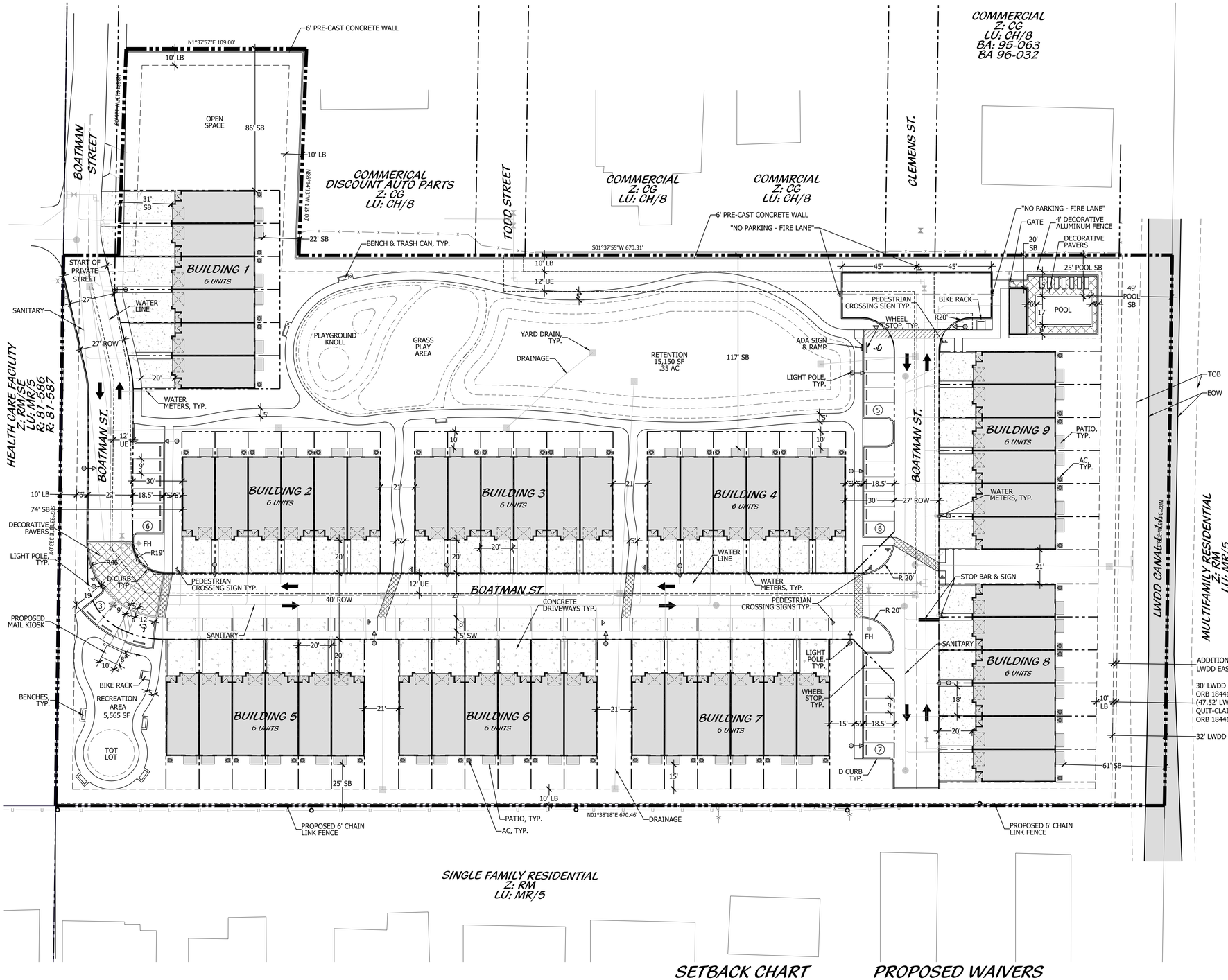
person responsible for compliance with this Development Order, including site plan/landscape plan details and conditions of approval.

30. A copy of the NPDES Notice of Intent for Generic Permit shall be submitted to the PZB Department at time of permitting.
31. A stabilized surface shall be provided at all time during construction for access by emergency vehicles.
32. All mechanical equipment's and above-ground infrastructure shall be screened from view.
33. The Applicant may be required to undertake additional security measures, based on the number of complaints or calls for service for incidents at the premises, as determined by the Police Chief. Such additional security measures, as approved by the Police Chief, may include increased on-site security at the operator's sole expense.
34. Verify utility and easement locations to ensure that there are no conflicts with landscaping, revise at time of permitting as needed.
35. All electric utilities shall be underground.
36. A pre-construction meeting shall be scheduled with the Village Planning, Zoning & Building Development Department prior to commencement of any construction activity. Permits are required from the Planning, Zoning & Building Department prior to commencing any construction or renovation. The project shall be constructed in accordance with the FBC edition in effect at the time of permitting.
37. A silt barrier shall be installed around the perimeter of the property (within the affected area for the site improvements and new building construction) prior to commencement of any site work or construction activity, and a track pad shall be installed at the construction entrance(s), both of which shall remain through substantial completion.
38. Any sidewalk broken or damaged during construction shall be replaced by the contractor prior to CO.
39. The Landscaping shall be certified by the Landscape Architect upon completion and prior to Certificate of Occupancy/Certificate of Completion of each improvement area.
40. Absolutely no occupancy, other than construction personnel, is permitted prior to TCO/CO.
41. Photometrics must be certified by an engineer prior to CO.
42. The civil engineer of record shall certify the site construction prior to Certificate of Occupancy.
43. The applicant may be required to provide a resident inspector for structural elements such as concrete pours in accordance with Section 109.1.3 FBC 2010 and F.S. 553.791. Determination shall be made at time of pre-construction conference with Planning Zoning and Building Director.
44. The General Contractor shall be on site during any and all construction activity in accordance with FS 489.1195.
45. The project shall receive approval from all Authorities Having Jurisdiction and submit copies of approvals to the Village of Palm Springs.
46. At the time of CO, the petitioner shall provide the Planning, Zoning and Building Department with electronic copies of as-builts.

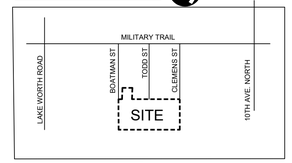
Note: If the Village Council recommends approval of the recommendation made by the Planning & Zoning Board (below) then this will become a condition number 47.

- A concrete wall shall be provided around the entire perimeter as part of the landscape buffer.

47. The School District has requested the Applicant offer a voluntary commitment to make a contribution of $72,082.00 to the School District of Palm Beach County prior to issuance of a building permit, based on School Capacity Availability Determination letter issued on March 11, 2021.



LOCATION MAP



SITE DATA

NAME OF PROJECT	BOATMAN HAMMOCK
PROPERTY CONTROL NUMBER	70-42-44-24-00-000-5670 70-42-44-24-32-010-0160
FEMA FLOOD ZONE	X500
TRAFFIC ANALYSIS ZONE	325
EXISTING LAND USE DESIGNATION	COMMERCIAL
EXISTING ZONING DISTRICT	CG- COMMERCIAL GENERAL
FUTURE LAND USE DESIGNATION	MEDIUM DENSITY RESIDENTIAL
PROPOSED ZONING	RM- RESIDENTIAL MUTIPLE FAMILY
OVERLAY DISTRICT	N/A
MAXIMUM BUILDING HEIGHT	27' - 3 5/16"
NUMBER OF STORIES	2
NUMBER OF BUILDINGS	9
TOTAL SITE AREA	**5.44 AC** **236,883.01 SF**

BUILDING DATA

NUMBER OF MULTIFAMILY UNITS	54
OWNERSHIP	FEE SIMPLE
PROJECT DENSITY	9.93 DU/AC

LAND USE

	SF	AC	%
BUILDING LOT COVERAGE	56,047	1.29	23.66%
VEHICULAR USE AREA	59,573	1.37	25.15%
OPEN SPACE	121,263	2.78	51.19%
TOTAL	**236,883**	**5.44**	**100.00%**

OPEN SPACE

MIN	PROV
35%	51.19%
82,909.00	121,263.27

RECREATION

MIN	PROV
20% of OS	40.46%
16,581.80	33,544.95

LOT COVERAGE

IMPERVIOUS AREA

	SF	AC	%
BUILDING LOT COVERAGE	56,047	1.29	23.66%
VEHICULAR USE AREA	59,573	1.37	25.15%
SIDEWALKS & HARDSCAPE	11,067	0.25	4.67%
POOL & SPA	558	0.01	0.24%
TOTAL IMPERVIOUS AREA	**127,245**	**2.92**	**53.72%**
PERVIOUS AREA	**SF**	**AC**	**%**
GREEN SPACE	94,488	2.17	39.89%
RETENTION	15,150	0.35	6.40%
TOTAL PERVIOUS AREA	**109,638**	**2.52**	**46.28%**
TOTAL SITE AREA	**236,883**	**5.44**	**100.00%**

PARKING DATA

	REQ	PROV
RESIDENTIAL (2.5 PER UNIT)	135	
GARAGE		54
DRIVEWAY (TANDEM)		108
GUEST 25% (AT-GRADE)	34	27
TOTAL	**169**	**189**

PEDESTRIAN AMENITIES

	REQ	PROV
BENCH	5	7
TRASH CAN	2	3
BIKE RACK	2	2

LEGEND

ADA	DISABLED
EX.	EXISTING
LB	LANDSCAPE BUFFER
R	RADIUS
SB	SETBACK
TYP	TYPICAL
ROW	RIGHT OF WAY
TOB	TOP OF BANK
EOW	EDGE OF WATER

ADA SIGN
STOP SIGN
PEDESTRIAN CROSSING SIGN
LIGHT POLE

SETBACK CHART

	REQUIRED	PROPOSED
FRONT	25'	31'
SIDE (INTERIOR)	20'	21'
SIDE (STREET)	25'	74'
REAR	20'	22'
POOL (REAR)	25'	48'
POOL (SIDE)	12.5'	18'

PROPOSED WAIVERS

WAIVER CHART			
CODE SECTION	**REQUIRED**	**PROVIDED**	**WAIVER**
Sec. 34-164 - Required Foundation Plantings	For nonresidential and multifamily properties one acre or more, at least 25 percent of the linear feet of building façade facing a street shall be planted with trees, shrubs or hedges.	10% at a 4 ft x 20ft sections.	For nonresidential and multifamily properties one acre or more, at least 25 percent of the linear feet of building façade facing a street shall be planted with trees, shrubs or hedges.
Sec. 34-1063(a)(1) - Performance standards.	Sidewalks on both sides of a street or primary driveway, interconnected with other pedestrianways and/or providing access to each building.	Sidewalk on one side of the primary driveway, interconnected with other pedestrianways.	Sidewalks on both sides of a street or primary driveway.
Sec. 34-766(1) - Property development regulations.	9,500 square feet of lot area per unit shall be required.	Average 1,715 square feet of lot area.	9,500 square feet of lot area per unit shall be required.
Sec. 34-1064. - Residential Planned Developments.(e)	20' Setback Required for Pool Cabana Building	14' Setback	For a reduction in the total setback length required for the Pool Cabana Building.

Site Plan

0' 15' 30' 60' 90' 120'

Scale: 1" = 30'

North

Cotleur & Hearing
Landscape Architects
Land Planners
Environmental Consultants
1934 Commerce Lane
Suite 1
Jupiter, Florida 33458
561.747.6336 · Fax 747.1377
www.cotleurhearing.com
Lic# LC-26000535

Boatman Hammock

Palm Springs, Florida

DESIGNED	DEH
DRAWN	RO/RNK
APPROVED	DEH
JOB NUMBER	20-0905
DATE	01-22-21
REVISIONS	02-25-21
	03-16-21
	05-04-21
	06-18-21
	09-17-21

September 17, 2021 4:13:50 p.m.
Drawing: 20-0905 SP.DWG

SHEET 1 OF 2

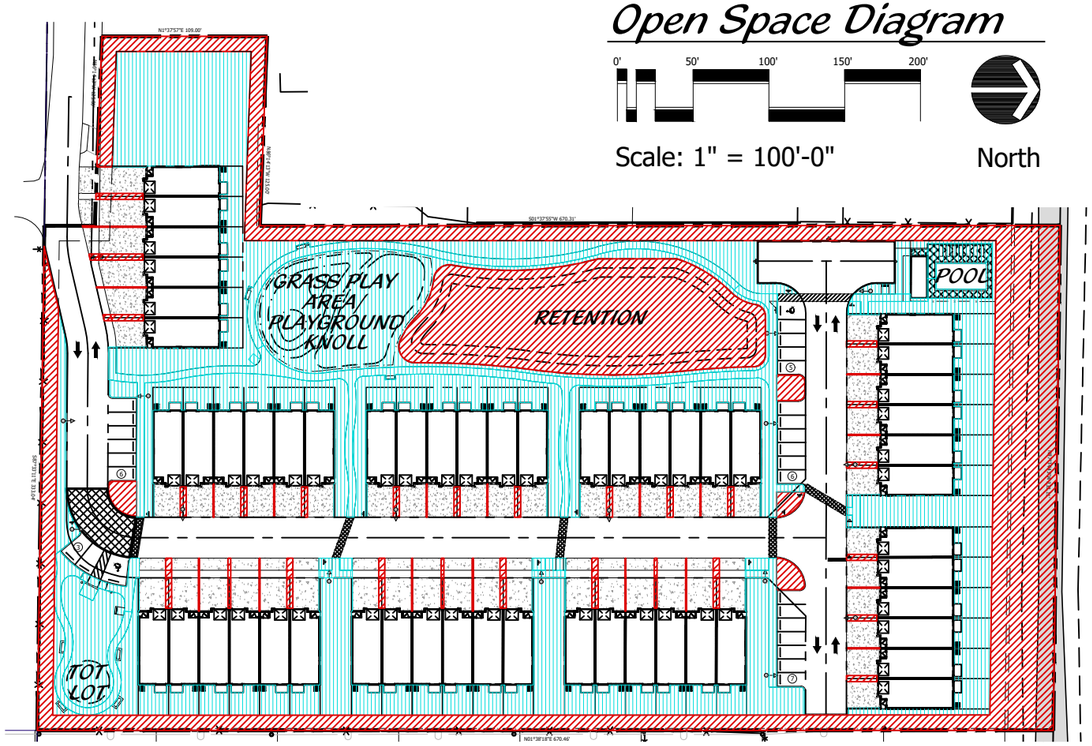
© COTLEUR & HEARING, INC.
These drawings are the property of the architect and are not to be used for extensions or on other projects except by agreement in writing with the architect. Immediately report any discrepancies to the architect.

Open Space Diagram

0' 50' 100' 150' 200'

Scale: 1" = 100'-0"

North



TOTAL OPEN SPACE:
MIN: 82,909 SF = 35% OF SITE AREA
PROV: 121,263 SF = 51.19% OF SITE AREA

RECREATIONAL OPEN SPACE:
PROV: 70,407 SF = 58% OF TOTAL OPEN SPACE PROVIDED

PASSIVE OPEN SPACE:
PROV: 50,315 SF = 42% OF TOTAL OPEN SPACE PROVIDED

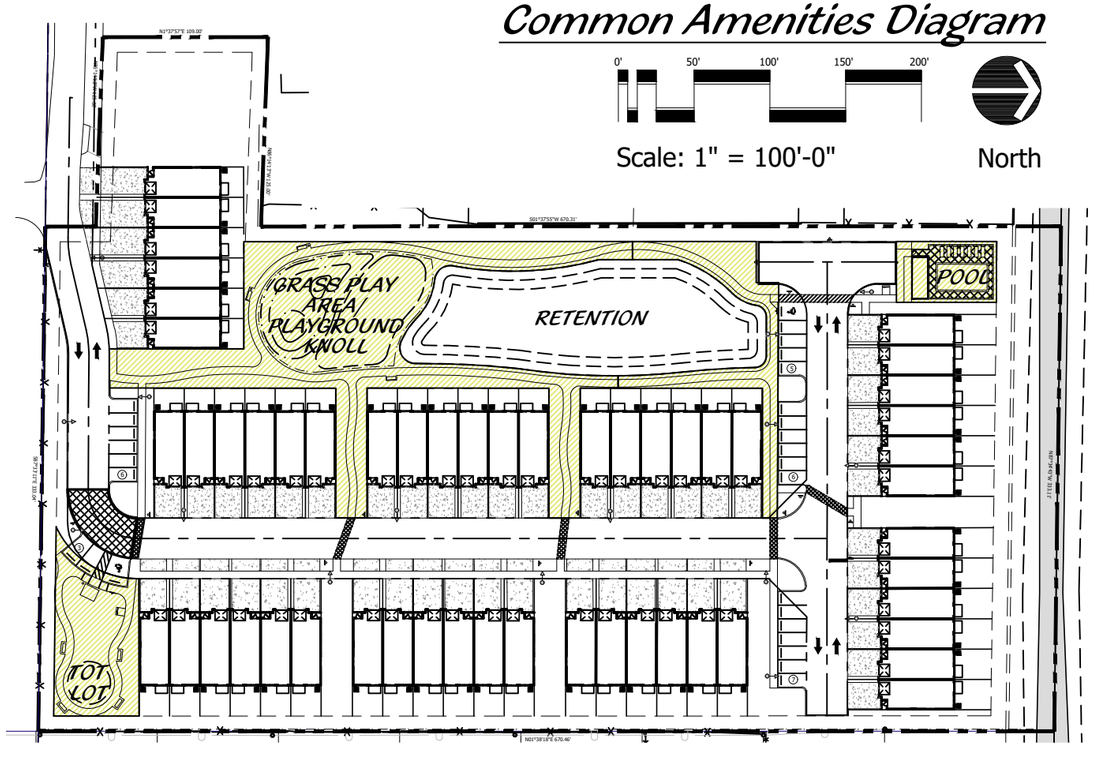
COMMON AMENITIES:
MIN. 16,581 SF = 20%
(BASED ON MINIMUM OPEN SPACE REQUIRED.)
PROV: 33,544 SF = 40%
(BASED ON MINIMUM OPEN SPACE REQUIRED.)

Common Amenities Diagram

0' 50' 100' 150' 200'

Scale: 1" = 100'-0"

North



Cotleur & Hearing
Landscape Architects
Land Planners
Environmental Consultants
1934 Commerce Lane
Suite 1
Jupiter, Florida 33458
561.747.6336 · Fax 747.1377
www.cotleurhearing.com
Lic# LC-26000535

588

Boatman Hammock

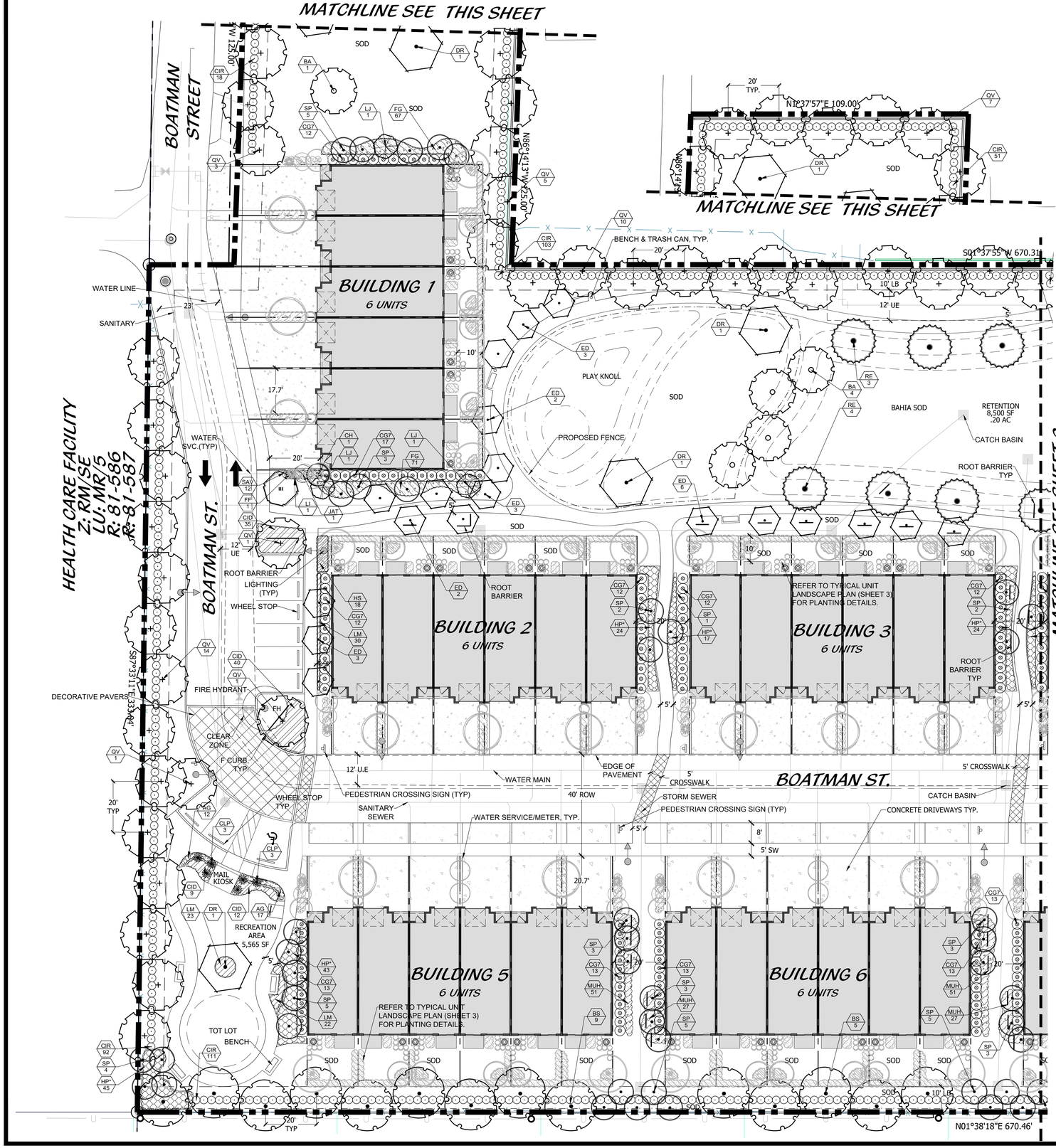
Palm Springs, Florida

DESIGNED	DEH
DRAWN	RO
APPROVED	DEH
JOB NUMBER	20-0905
DATE	01-22-21
REVISIONS	02-25-21
	03-19-21
	05-04-21

June 18, 2021 8:51:57 a.m.
Drawing: 20-0905 SP.DWG

SHEET 1 OF 1

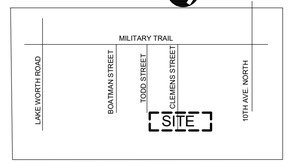
© COTLEUR & HEARING, INC.
These drawings are the property of the architect and are not to be used for extensions or on other projects except by agreement in writing with the architect. Immediately report any discrepancies to the architect.



LEGEND

ADA	DISABLED		HC SIGN
EX.	EXISTING		STOP SIGN
LB	LANDSCAPE BUFFER		PEDESTRIAN CROSSING
R	RADIUS		
SB	SETBACK		
TYP	TYPICAL		
ROW	RIGHT OF WAY		
TOB	TOP OF BANK		
EOW	EDGE OF WATER		

LOCATION MAP



LANDSCAPE DATA

NAME OF PROJECT	BOATMAN HAMMOCK
PROPERTY CONTROL NUMBER	70-42-44-24-00-000-5670
FEMA FLOOD ZONE	X500
TRAFFIC ANALYSIS ZONE	325
EXISTING LAND USE DESIGNATION	COMMERCIAL
EXISTING ZONING DISTRICT	CG- COMMERCIAL GENERAL
FUTURE LAND USE DESIGNATION	RESIDENTIAL MULTIFAMILY
PROPOSED ZONING	RM- RESIDENTIAL MUTIPLE FAMILY
OVERLAY DISTRICT	
MAXIMUM BUILDING HEIGHT	35'
NUMBER OF STORIES	2
NUMBER OF BUILDINGS	9
TOTAL SITE AREA	**5.44 AC** **236,883.01 SF**

BUILDING DATA

NUMBER OF MULTIFAMILY UNITS	54
OWNERSHIP	FEE SIMPLE
PROJECT DENSITY	9.93 DU/AC

LAND USE

	SF	AC	%
BUILDING LOT COVERAGE	56,127	1.29	23.69%
VEHICULAR USE AREA	59,091	1.36	24.95%
OPEN SPACE	121,665	2.79	51.36%
TOTAL	**236,883**	**5.44**	**100.00%**

OPEN SPACE

	MIN	PROV
	35.00%	51.36%
	78,114.00	95,223.16

RECREATION

	MIN	PROV
	20.00%	42.71%
	15,622.80	33,365.10

LOT COVERAGE

IMPERVIOUS AREA	SF	AC	%
BUILDING LOT COVERAGE	56,127	1.29	23.69%
VEHICULAR USE AREA	59,091	1.36	24.95%
SIDEWALKS & HARDSCAPE	10,666	0.24	4.50%
POOL & SPA	657	0.02	0.28%
TOTAL IMPERVIOUS AREA	**126,541**	**2.90**	**53.42%**
PERVIOUS AREA	**SF**	**AC**	**%**
GREEN SPACE	95,192	2.19	40.19%
RETENTION	15,150	0.35	6.40%
TOTAL PERVIOUS AREA	**110,342**	**2.53**	**46.58%**
TOTAL SITE AREA	**236,883**	**5.44**	**100.00%**

PARKING DATA

	REQ	PROV
RESIDENTIAL (2.5 PER UNIT)	135	
GARAGE		54
DRIVEWAY (TANDEM)		108
GUEST 25% (AT-GRADE)	34	27
TOTAL	**169**	**189**

PEDESTRIAN AMENITIES

	REQ	PROV
BENCH	5	7
TRASH CAN	2	3
BIKE RACK	2	1

MINIMUM LANDSCAPE BUFFER WIDTHS

	REQ	PROV
ALL PROPERTY LINES (CATEGORY 2)	10'	10'

REQUIRED PERIMETER BUFFER TREES

	REQ	PROV
NORTH PROPERTY LINE 458' (1 TREE EVERY 20')	23	19 TREES, 12 PALMS
SOUTH PROPERTY LINE 458' (1 TREE EVERY 20')	23	20 TREES, 4 PALMS
WEST PROPERTY LINE 333' (1 TREE EVERY 20')	34	27 TREES, 13 PALMS
EAST PROPERTY LINE 333' (1 TREE EVERY 20')	34	30 TREES, 4 PALMS
ALL PROPERTY LINES REQUIRE 36" HT. CONTINUOUS HEDG	YES	YES

VEHICULAR USE AREA TREES

	REQ	PROV
TERMINAL ISLAND TREES (1 TREE PER ISLAND)	9	9

NET LOT AREA TREE & SHRUB REQUIREM

	REQ	PROV
TREES (1 PER 1,500 SF OF OPEN SPACE) RESIDENTIAL	81	37 TREES, 37 PALMS

NATIVE TREES & SHRUBS

	REQ	PROV
PERCENT NATIVE OR DROUGHT TOLERANT TREES	50%	68%
PERCENT NATIVE OR DROUGHT TOLERANT TREES	50%	97%
PERCENT NATIVE OR DROUGHT TOLERANT SHRUBS	50%	61%

Landscape Plan

0' 10' 20' 40' 60' 80'

Scale: 1" = 20'

North

Cotleur & Hearing
Landscape Architects
Land Planners
Environmental Consultants
1934 Commerce Lane
Suite 1
Jupiter, Florida 33458
561.747.6336 · Fax 747.1377
www.cotleurhearing.com
Lic# LC-26000535

Boatman Hammock

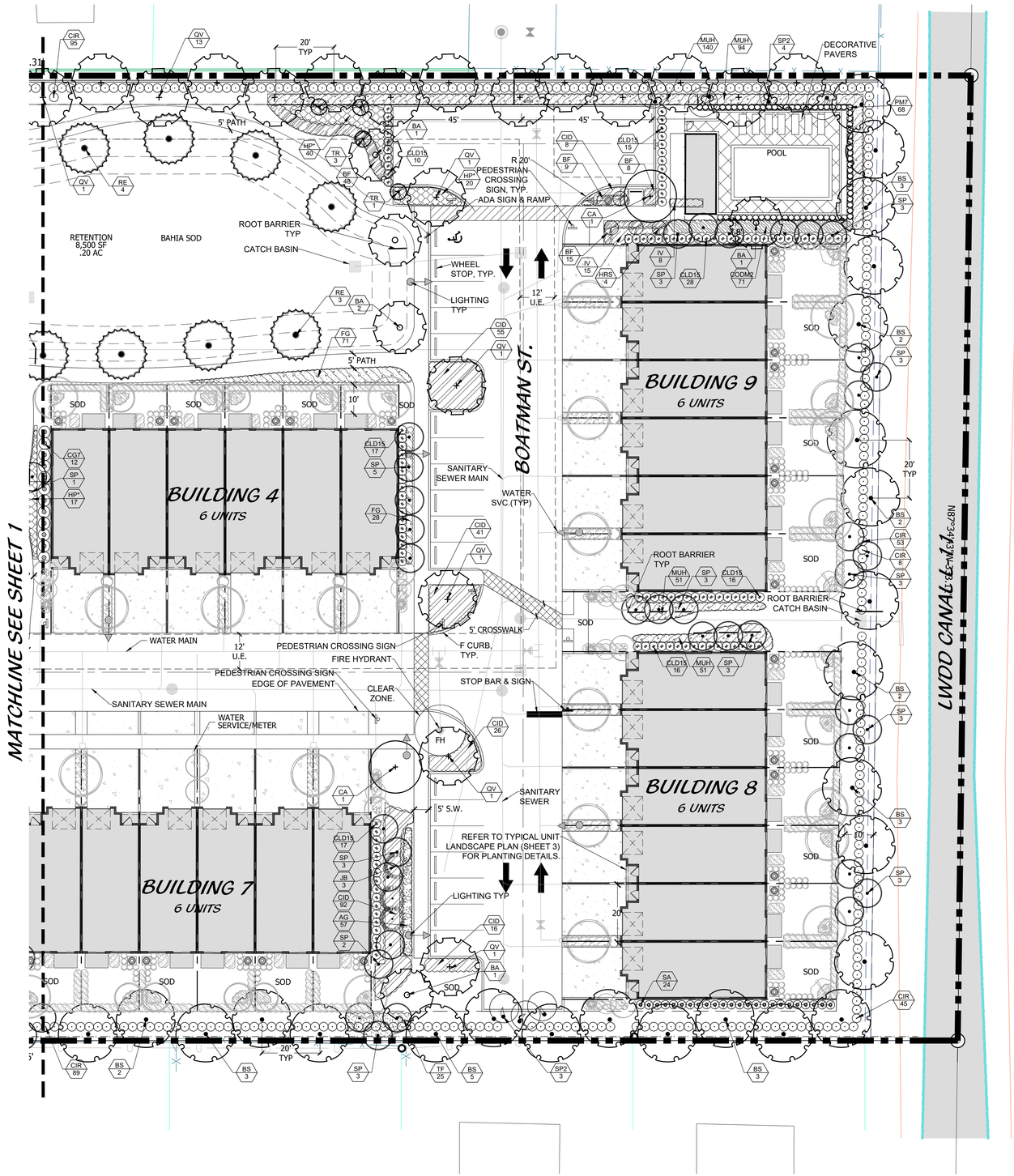
Palm Springs, Florida

DESIGNED DEH
DRAWN AGB/RO
APPROVED DEH
JOB NUMBER 20-0905
DATE 01-22-21
REVISIONS 02-26-21
03-19-21
04-16-21
05-14-21
09-20-21

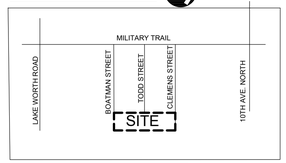
September 20, 2021 12:05:44 p.m.
Drawing: 20-0905 LP.DWG

SHEET 1 OF 4

© COTLEUR & HEARING, INC.
These drawings are the property of the architect and are not to be used for extensions or on other projects except by agreement in writing with the architect. Immediately report any discrepancies to the architect.



LOCATION MAP



LEGEND

ADA	DISABLED		HC SIGN
EX.	EXISTING		STOP SIGN
LB	LANDSCAPE BUFFER		PEDESTRIAN CROSSING
R	RADIUS		
SB	SETBACK		
TYP	TYPICAL		
ROW	RIGHT OF WAY		
TOB	TOP OF BANK		
EOW	EDGE OF WATER		

Landscape Plan

0' 10' 20' 40' 60' 80'

Scale: 1" = 20'

North

Cotleur & Hearing
Landscape Architects
Land Planners
Environmental Consultants
1934 Commerce Lane
Suite 1
Jupiter, Florida 33458
561.747.6336 · Fax 747.1377
www.cotleurhearing.com
Lic# LC-26000535

Boatman Hammock

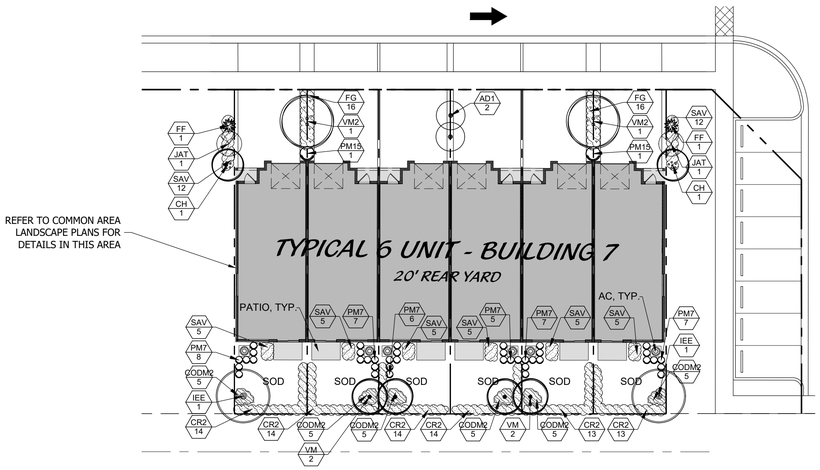
Palm Springs, Florida

DESIGNED	DEH
DRAWN	AGB/RO
APPROVED	DEH
JOB NUMBER	20-0905
DATE	01-22-21
REVISIONS	02-26-21
	03-19-21
	04-16-21
	05-14-21
	09-20-21

September 20, 2021 12:05:44 p.m.
Drawing: 20-0905 LP.DWG

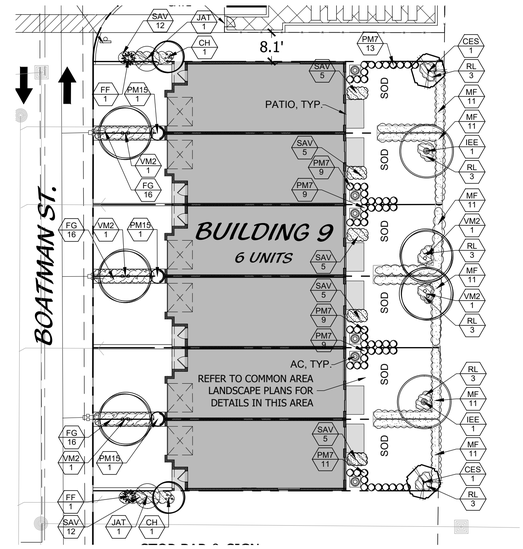
SHEET 2 OF 4

© COTLEUR & HEARING, INC.
These drawings are the property of the architect and are not to be used for extensions or on other projects except by agreement in writing with the architect. Immediately report any discrepancies to the architect.



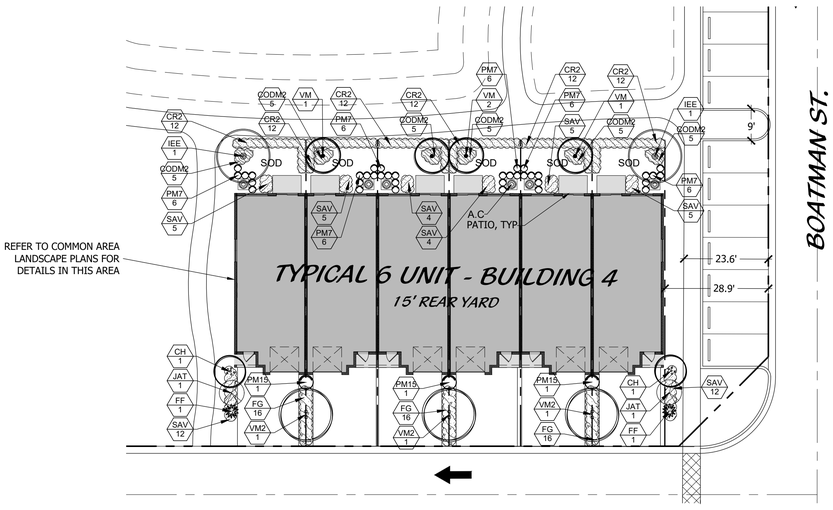
PLANT SCHEDULE - TYPICAL 6 UNIT BUILDING 15' REAR YARD

TREES	QTY	BOTANICAL NAME	COMMON NAME	CONT	CAL	SIZE	NATIVE	LOW MAINT	REMARKS
IEE	2	ILEX X ATTENUATA `EAGLESTON`	EAGLESTON HOLLY	45 GAL	2" CAL.	12` O.A. HT	Y	N	FULL CANOPY
JAT	2	JATROPHA INTEGERIMA	JATROPHA	25 GAL	1.5" CAL	5` OA MULTI STEM	N	N	FULL & THICK, FLORIDA FANCY.
PALM TREES	**QTY**	**BOTANICAL NAME**	**COMMON NAME**	**CONT**	**CAL**	**SIZE**	**NATIVE**	**LOW MAINT**	**REMARKS**
CH	2	CHAMAEROPS HUMILIS	EUROPEAN FAN PALM	30 GAL	N.A.	4`-5` O.A.	N	N	MULTI TRUNK, FULL CANOPY.
AD1	2	VEITCHIA MERRILLII	CHRISTMAS PALM	30 GAL	N.A.	10` O.A.			FULL CANOPY, SINGLE TRUNK.
VM2	2	VEITCHIA MONTGOMERYANA	MONTGOMERY PALM	FG	N.A.	18` O.A.	N	N	DOUBLE TRUNK, FULL CANOPY.
VM	4	VEITCHIA MONTGOMERYANA ~	MONTGOMERY PALM	5 gal	N.A.	12`-14` O.A HT	N	N	SINGLE TRUNK, FULL CANOPY
SHRUBS	**QTY**	**BOTANICAL NAME**	**COMMON NAME**	**CONT**	**SIZE**	**SPACE**	**NATIVE**	**LOW MAINT**	**REMARKS**
FF	2	FURCRAEA FOETIDA	FALSE AGAVE	7 gal.	3` O.A.	A.S.	N	N	FULL & THICK
PM15	2	PODOCARPUS MACROPHYLLUS	PODOCARPUS	15 GAL	4`-5` O.A.	A.S.			FULL AND THICK
PM7	40	PODOCARPUS MACROPHYLLUS	PODOCARPUS	7 gal	6`	2` O.C.	N		FULL & THICK
GROUND COVERS	**QTY**	**BOTANICAL NAME**	**COMMON NAME**	**CONT**	**SIZE**	**SPACE**	**NATIVE**	**LOW MAINT**	**REMARKS**
CR2	82	CHRYSOBALANUS ICACO `RED TIP`	RED TIP COCOPLUM	3 GAL	24" X 24"	30" O.C.	Y	N	FULL & THICK
CODM2	30	CODIAEUM VARIGATUM `MANGO`	MANGO CROTON	7 GAL	24" X 24"	24" O.C.	N		FULL & THICK
FG	32	FICUS MACROPHYLLA `GREEN ISLAND`	GREEN ISLAND FICUS	3 GAL	12" x 12"	24" O.C.			FULL AND THICK
SAV	54	SCHEFFLERA ARBORICOLA `TRINETTE`	DWARF VARIEGATED SCHEFFLERA	3 GAL	18" X18"	24" OC	N		FULL & THICK



PLANT SCHEDULE - TYPICAL 6 UNIT BUILDING 26' REAR YARD

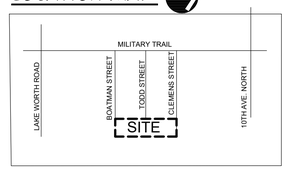
TREES	QTY	BOTANICAL NAME	COMMON NAME	CONT	CAL	SIZE	NATIVE	LOW MAINT	REMARKS
CES	2	CONOCARPUS ERECTUS	GREEN BUTTONWOOD	45 GAL	2" CAL.	12` O.A. H.T.	Y		FULL CANOPY, STD., LIMB UP 5`
IEE	2	ILEX X ATTENUATA `EAGLESTON`	EAGLESTON HOLLY	45 GAL	2" CAL.	12` O.A. HT	Y	N	FULL CANOPY
JAT	2	JATROPHA INTEGERIMA	JATROPHA	25 GAL	1.5" CAL	5` OA MULTI STEM	N	N	FULL & THICK, FLORIDA FANCY.
PALM TREES	**QTY**	**BOTANICAL NAME**	**COMMON NAME**	**CONT**	**CAL**	**SIZE**	**NATIVE**	**LOW MAINT**	**REMARKS**
CH	2	CHAMAEROPS HUMILIS	EUROPEAN FAN PALM	30 GAL	N.A.	4`-5` O.A.	N	N	MULTI TRUNK, FULL CANOPY.
VM2	5	VEITCHIA MONTGOMERYANA	MONTGOMERY PALM	FG	N.A.	18` O.A.	N	N	DOUBLE TRUNK, FULL CANOPY.
SHRUBS	**QTY**	**BOTANICAL NAME**	**COMMON NAME**	**CONT**	**SIZE**	**SPACE**	**NATIVE**	**LOW MAINT**	**REMARKS**
FF	2	FURCRAEA FOETIDA	FALSE AGAVE	7 gal.	3` O.A.	A.S.	N	N	FULL & THICK
PM15	3	PODOCARPUS MACROPHYLLUS	PODOCARPUS	15 GAL	4`-5` O.A.	A.S.			FULL AND THICK
PM7	60	PODOCARPUS MACROPHYLLUS	PODOCARPUS	7 gal	6`	2` O.C.	N		FULL & THICK
GROUND COVERS	**QTY**	**BOTANICAL NAME**	**COMMON NAME**	**CONT**	**SIZE**	**SPACE**	**NATIVE**	**LOW MAINT**	**REMARKS**
FG	48	FICUS MACROPHYLLA `GREEN ISLAND`	GREEN ISLAND FICUS	3 GAL	12" x 12"	24" O.C.			FULL AND THICK
MF	66	MYRCIANTHES FRAGRANS	SIMPSON`S STOPPER	3 gal.	24" X 24"	36" O.C.	N	N	FULL & THICK
RL	18	RONDELETIA LEUCOPHYLLA	PANAMA ROSE	3 gal	18" X 18"	30" O.C.	N	N	FULL & THICK
SAV	49	SCHEFFLERA ARBORICOLA `TRINETTE`	DWARF VARIEGATED SCHEFFLERA	3 GAL	18" X18"	2` O.C.	N		FULL & THICK



PLANT SCHEDULE - TYPICAL 6 UNIT BUILDING 20' REAR YARD

TREES	QTY	BOTANICAL NAME	COMMON NAME	CONT	CAL	SIZE	NATIVE	LOW MAINT	REMARKS
IEE	2	ILEX X ATTENUATA `EAGLESTON`	EAGLESTON HOLLY	45 GAL	2" CAL.	12` O.A. HT	Y	N	FULL CANOPY
JAT	2	JATROPHA INTEGERIMA	JATROPHA	25 GAL	1.5" CAL	5` OA MULTI STEM	N	N	FULL & THICK, FLORIDA FANCY.
PALM TREES	**QTY**	**BOTANICAL NAME**	**COMMON NAME**	**CONT**	**CAL**	**SIZE**	**NATIVE**	**LOW MAINT**	**REMARKS**
CH	2	CHAMAEROPS HUMILIS	EUROPEAN FAN PALM	30 GAL	N.A.	4`-5` O.A.	N	N	MULTI TRUNK, FULL CANOPY.
VM2	3	VEITCHIA MONTGOMERYANA	MONTGOMERY PALM	FG	N.A.	18` O.A.	N	N	DOUBLE TRUNK, FULL CANOPY.
VM	4	VEITCHIA MONTGOMERYANA ~	MONTGOMERY PALM	5 gal	N.A.	12`-14` O.A HT	N	N	SINGLE TRUNK, FULL CANOPY
SHRUBS	**QTY**	**BOTANICAL NAME**	**COMMON NAME**	**CONT**	**SIZE**	**SPACE**	**NATIVE**	**LOW MAINT**	**REMARKS**
FF	2	FURCRAEA FOETIDA	FALSE AGAVE	7 gal.	3` O.A.	A.S.	N	N	FULL & THICK
PM15	3	PODOCARPUS MACROPHYLLUS	PODOCARPUS	15 GAL	4`-5` O.A.	A.S.			FULL AND THICK
PM7	36	PODOCARPUS MACROPHYLLUS	PODOCARPUS	7 gal	6`	2` O.C.	N		FULL & THICK
GROUND COVERS	**QTY**	**BOTANICAL NAME**	**COMMON NAME**	**CONT**	**SIZE**	**SPACE**	**NATIVE**	**LOW MAINT**	**REMARKS**
CR2	72	CHRYSOBALANUS ICACO `RED TIP`	RED TIP COCOPLUM	3 GAL	24" X 24"	30" O.C.	Y	N	FULL & THICK
CODM2	30	CODIAEUM VARIGATUM `MANGO`	MANGO CROTON	7 GAL	24" X 24"	24" O.C.	N		FULL & THICK
FG	48	FICUS MACROPHYLLA `GREEN ISLAND`	GREEN ISLAND FICUS	3 GAL	12" x 12"	24" O.C.			FULL AND THICK
SAV	52	SCHEFFLERA ARBORICOLA `TRINETTE`	DWARF VARIEGATED SCHEFFLERA	3 GAL	18" X18"	24" OC	N		FULL & THICK

LOCATION MAP



LEGEND

ADA	DISABLED
EX.	EXISTING
LB	LANDSCAPE BUFFER
R	RADIUS
SB	SETBACK
TYP	TYPICAL
ROW	RIGHT OF WAY
TOB	TOP OF BANK
EOW	EDGE OF WATER

HC SIGN
STOP SIGN
PEDESTRIAN CROSSING

Typical Unit Landscape Plan

0' 10' 20' 30' 40' 50'

Scale: 1" = 20'

Cotleur & Hearing
Landscape Architects
Land Planners
Environmental Consultants
1934 Commerce Lane
Suite 1
Jupiter, Florida 33458
561.747.6336 · Fax 747.1377
www.cotleurhearing.com
Lic# LC-26000535

Boatman Hammock

Palm Springs, Florida

DESIGNED DEH
DRAWN AGB/RO
APPROVED DEH
JOB NUMBER 20-0905
DATE 01-22-21
REVISIONS 02-26-21
03-19-21
04-16-21
05-14-21
09-20-21

September 20, 2021 12:05:44 p.m.
Drawing: 20-0905 LP.DWG

SHEET 3 OF 4

© COTLEUR & HEARING, INC.
These drawings are the property of the architect and are not to be used for extensions or on other projects except by agreement in writing with the architect. Immediately report any discrepancies to the architect.

LANDSCAPE SPECIFICATIONS

1. GENERAL LANDSCAPE REQUIREMENTS

LANDSCAPE CONTRACT WORK INCLUDES, BUT IS NOT LIMITED TO, SOIL PREPARATION, FINE OR FINISH GRADING, FURNISHING AND INSTALLING PLANT MATERIAL, WATERING, STAKING, GUYING AND MULCHING.

PLANT SIZE AND QUALITY

TREES, PALMS, SHRUBS, GROUNDCOVERS:
PLANT SPECIES AND SIZES SHALL CONFORM TO THOSE INDICATED ON THE DRAWINGS, NOMENCLATURE SHALL CONFORM TO STANDARD PLANT NAMES, 1942 EDITION. ALL NURSERY STOCK SHALL BE IN ACCORDANCE WITH GRADES AND STANDARDS FOR NURSERY PLANTS PARTS I & II, LATEST EDITION PUBLISHED BY THE FLORIDA DEPARTMENT OF AGRICULTURE AND CONSUMER SERVICES, UNLESS SPECIFIED OTHERWISE. ALL PLANTS SHALL BE FLORIDA GRADE NUMBER 1 OR BETTER AS DETERMINED BY THE FLORIDA DIVISION OF PLANT INDUSTRY.

ALL CONTAINER GROWN MATERIAL SHALL BE HEALTHY, VIGOROUS, WELL-ROOTED PLANTS AND ESTABLISHED IN THE CONTAINER IN WHICH THEY ARE SOLD. THE PLANTS SHALL HAVE TOPS OF GOOD QUALITY AND BE IN A HEALTHY GROWING CONDITION.

AN ESTABLISHED CONTAINER GROWN PLANT SHALL BE TRANSPLANTED INTO A CONTAINER AND GROWN IN THAT CONTAINER SUFFICIENTLY LONG ENOUGH FOR THE NEW FIBROUS ROOTS TO HAVE DEVELOPED SO THAT THE ROOT MASS WILL RETAIN ITS SHAPE AND HOLD TOGETHER WHEN REMOVED FROM THE CONTAINER.

STANDARD PLANTING MIXTURE SHALL BE ONE (1) PART RECYCLED ORGANIC MATERIAL ADDED TO THREE (3) PARTS EXISTING NATIVE SOIL.

REPLACEMENT SOIL SHALL BE USED AS SPECIFIED TO REPLACE EXISTING SOILS THAT ARE DETERMINED BY THE LANDSCAPE ARCHITEC TO BE UNSUITABLE FOR PLANTING, IE. ROAD BASE, PAVEMENT, ETC. REPLACMENT SOIL MIX SHALL CONTAIN 60% SAND AND 40% MUCK. SAND SHALL BE 100% CLEAN NATIVE SAND SCREENED TO 1/4" AND MUCK SHALL BE 100% CLEAN ORGANIC NATIVE MUCK SCREENED TO 1/2". ALL SOIL SHALL BE MIXED PRIOR TO DELIVERY ON SITE.

MULCH SHALL BE SHREDDED MELALEUCA, EUCALYPTUS OR GRADE "A" RECYCLED. ALL MULCH IS TO BE APPLIED TO A DEPTH OF 3", EXCEPT AS OTHERWISE NOTED.

FERTILIZER IN BACKFILL MIXTURE FOR ALL PLANTS SHALL CONSIST OF MILORGANITE ACTIVATED SLUDGE MIXED WITH THE BACKFILL AT A RATE OF NOT LESS THAN 50 LBS. PER CUBIC YARD.

FERTILIZER FOR TREES AND SHRUBS MAY BE TABLET FORM OR GRANULAR. GRANULAR FERTILIZER SHALL BE UNIFORM IN COMPOSITION, DRY AND FREE-FLOWING. THIS FERTILIZER SHALL BE DELIVERED TO THE SITE IN THE ORIGINAL UNOPENED BAGS, EACH BEARING THE MANUFACTURER'S STATEMENT OF ANALYSIS, AND SHALL MEET THE FOLLOWING REQUIREMENTS: 16% NITROGEN, 7% PHOSPHORUS, 12% POTASSIUM, PLUS IRON. TABLET FERTILIZER (AGRIFORM OR EQUAL) IN 21 GRAM SIZE SHALL MEET THE FOLLOWING REQUIREMENTS: 20% NITROGEN, 10% PHOSPHORUS AND 5% POTASSIUM.

FERTILIZER WILL BE APPLIED AT THE FOLLOWING RATES:

PLANT SIZE	16-7-12	AGRIFORM TABLETS (21 GRAM)
1 GAL.	1/4 LB.	1
3 GAL.	1/3 LB.	3
7-15 GAL.	1/2 LB.	6
1"-6" CALIPER	2 LBS./1" CALIPER	2 PER 1" CALIPER
6" AND LARGER	3 LBS./1" CALIPER	2 PER 1" CALIPER

"FLORIDA EAST COAST PALM SPECIAL" SHALL BE APPLIED TO ALL PALMS AT INSTALLATION AT A RATE OF ½ LB. PER INCH OF TRUNK UNLESS OTHERWISE SPECIFIED.

FIELD GROWN TREES AND PALMS PREVIOUSLY ROOT PRUNED SHALL OBTAIN A ROOT BALL WITH SUFFICIENT ROOTS FOR CONTINUED GROWTH WITHOUT RESULTING SHOCK.

CONTRACTOR SHALL NOT MARK OR SCAR TRUNK IN ANY FASHION.

PLANTS SHALL BE WATERED AS NECESSARY OR WITHIN 24 HOURS AFTER NOTIFICATION BY THE LANDSCAPE ARCHITECT.

THE LOCATIONS OF PLANTS, AS SHOWN IN THESE PLANS, ARE APPROXIMATE. THE FINAL LOCATIONS MAY BE ADJUSTED TO ACCOMMODATE UNFORESEEN FIELD CONDITIONS. MAJOR ADJUSTMENTS TO THE LAYOUT ARE TO BE APPROVED BY THE LANDSCAPE ARCHITECT.

ALL PLASTIC FABRIC SHALL BE REMOVED FROM PLANT MATERIAL AT TIME OF INSTALLATION.

ALL TREES MUST BE STAKED AS SHOWN ON THE PLANTING DETAILS WITHIN 24 HOURS OF PLANTING. STAKES TO REMAIN FOR A MINIMUM OF 9 MONTHS, BUT NO LONGER THAN 18 MONTHS. CONTRACTOR IS RESPONSIBLE FOR MAINTENANCE AND REMOVAL OF THE STAKES.

ALL TREES MUST BE PRUNED AS PER LANDSCAPE ARCHITECT'S DIRECTION. SABAL PALMS MAY BE HURRICANE CUT.

ALL SHRUBS, TREES AND GROUND COVER WILL HAVE IMPROVED SOIL AS PER PLANTING SOIL NOTES. THE SOILS SHALL BE PLACED IN THE HOLE DURING PLANTING. TOP DRESSING ONLY IS NOT ACCEPTABLE.

DO NOT ALLOW AIR POCKETS TO FORM WHEN BACKFILLING. ALL TREES SHALL BE SPIKED IN UTILIZING WATER AND A TREE BAR.

THE LANDSCAPE CONTRACTOR SHALL WATER, MULCH, WEED, PRUNE, AND OTHERWISE MAINTAIN ALL PLANTS, INCLUDING SOD, UNTIL COMPLETION OF CONTRACT OR ACCEPTANCE BY LANDSCAPE ARCHITECT. SETTLED PLANTS SHALL BE RESET TO PROPER GRADE, PLANTING SAUCERS RESTORED, AND DEFECTIVE WORK CORRECTED.

THE LANDSCAPE CONTRACTOR SHALL AT ALL TIMES KEEP THE PREMISES FREE FROM ACCUMULATION OF WASTE MATERIALS OR DEBRIS CAUSED BY HIS CREWS DURING THE PERFORMANCE OF THE WORK. UPON COMPLETION OF THE WORK, THE CONTRACTOR SHALL PROMPTLY REMOVE ALL WASTE MATERIALS, DEBRIS, UNUSED PLANT MATERIAL, EMPTY PLANT CONTAINERS AND ALL EQUIPMENT FROM THE PROJECT SITE.

UPON COMPLETION OF THE WORK, THE LANDSCAPE CONTRACTOR SHALL NOTIFY THE LANDSCAPE ARCHITECT AND REQUEST A FINAL INSPECTION. ANY ITEMS THAT ARE JUDGED INCOMPLETE OR UNACCEPTABLE BY THE LANDSCAPE ARCHITECT OR OWNER'S REPRESENTATIVE SHALL BE CORRECTED BY THE LANDSCAPE CONTRACTOR WITHIN 14 DAYS.

ALL LABOR AND MATERIAL FOR SOIL AMENDMENTS AND FERTILIZER THAT IS REQUIRED TO INSURE THE SUCCESSFUL ESTABLISHMENT AND SURVIVAL OF THE PROPOSED VEGETATION, AS WELL AS ALL THE COST FOR THE REMOVAL OF UNSUITABLE OR EXCESS BACKFILL MATERIAL SHALL BE INCLUDED IN THE CONTRACTOR'S BID TO PERFORM THE WORK REPRESENTED IN THIS PLAN SET.

2. PLANTING TREES

EXCAVATE PIT AS PER PLANTING DETAILS.

BACKFILL AROUND BALL WITH STANDARD PLANTING MIXTURE AND SLIGHTLY COMPACT. WATER THOROUGHLY AS LAYERS ARE PLACED TO ELIMINATE VOIDS AND AIR POCKETS. BUILD A 6" HIGH BERM OF STANDARD PLANTING MIXTURE BEYOND EDGE OF EXCAVATION. APPLY 3" (AFTER SETTLEMENT) OF MULCH EXCEPT WITHIN 6" OF TRUNK.

PRUNE TREE TO REMOVE DAMAGED BRANCHES, IMPROVE NATURAL SHAPE AND THIN OUT STRUCTURE. DO NOT REMOVE MORE THAN 15% OF BRANCHES. DO NOT PRUNE BACK TERMINAL LEADER.

GUY AND STAKE TREE IN ACCORDANCE WITT THE STAKING DETAILS IMMEDIATELY AFTER PLANTING.

3. PLANTING SHRUBS

LAYOUT SHRUBS TO CREATE A CONTINUOUS SMOOTH FRONT LINE AND FILL IN BEHIND.

EXCAVATE PIT OR TRENCH TO 1-1/2 TIMES THE DIAMETER OF THE BALLS OR CONTAINERS OR 1'-0" WIDER THAN THE SPREAD OF ROOTS FOR POSITIONING AT PROPER HEIGHT. BACKFILL AROUND PLANTS WITH STANDARD PLANTING MIXTURE, COMPACTED TO ELIMINATE VOIDS AND AIR POCKETS. FORM GRADE SLIGHTLY DISHED AND BERMED AT EDGES OF EXCAVATION. APPLY 3" OF MULCH EXCEPT WITHIN 3" OF STEMS.

PRUNE SHRUBS TO REMOVE DAMAGED BRANCHES, IMPROVE NATURAL SHAPE AND THIN OUT STRUCTURE. DO NOT REMOVE MORE THAN 15% OF BRANCHES.

4. PLANTING GROUND COVER

LOOSEN SUBGRADE TO DEPTH OF 4" IN AREAS WHERE TOPSOIL HAS BEEN STRIPPED AND SPREAD SMOOTH.

SPACE PLANTS AS OTHERWISE INDICATED. DIG HOLES LARGE ENOUGH TO ALLOW SPREADING OF ROOTS. COMPACT BACKFILLTO ELIMINATE VOIDS AND LEAVE GRADE SLIGHTLY DISHED AT EACH PLANT. WATER THOROUGHLY. APPLY 3" OF MULCH OVER ENTIRE PLANTING BED, LIFTING PLANT FOLIAGE ABOVE MULCH.

DURING PERIODS OF HOT SUN AND/OR WIND AT TIME OF PLANTING, PROVIDE PROTECTIVE COVER FOR SEVERAL DAYS OR AS NEEDED.

5. PLANTING LAWNS

SODDING: SOD TYPE SPECIFIED ON PLANT LIST SHALL BE MACHINE STRIPPED NOT MORE THAN 24 HOURS PRIOR TO LAYING.

LOOSEN SUBGRADE TO DEPTH OF 4" AND GRADE WITH TOPSOIL EITHER PROVIDED ON SITE OR IMPORTED STANDARD PLANTING MIX TO FINISH DESIGN ELEVATIONS. ROLL PREPARED LAWN SURFACE. WATER THOROUGHLY, BUT DO NOT CREATE MUDDY SOIL CONDITION.

FERTILIZE SOIL AT THE RATE OF APPROXIMATELY 10 LBS. PER 1,000 S.F. SPREAD FERTILIZER OVER THE AREA TO RECEIVE GRASS BY USING AN APPROVED DISTRIBUTION DEVICE CALIBRATED TO DISTRIBUTE THE APPROPRIATE QUANTITY. DO NOT FERTILIZE WHEN WIND VELOCITY EXCEEDS 15 M.P.H. THOROUGHLY MIX FERTILIZER INTO THE TOP 2" OF TOPSOIL.

LAY SOD STRIPS WITH TIGHT JOINTS, DO NOT OVERLAP, STAGGER STRIPS TO OFFSET JOINTS IN ADJACENT COURSES. WORK SIFTED STANDARD PLANTING MIXTURE INTO MINOR CRACKS BETWEEN PIECES OF SOD AND REMOVE EXCESS SOIL DEPOSITS FROM SODDED AREAS. SOD ON SLOPES GREATER THAN 3:1 SHALL BE STAKED IN PLACE. ROLL OR STAMP LIGHTLY AND WATER THOROUGHLY WITH A FINE SPRAY IMMEDIATELY AFTER PLANTING.

6. MISCELLANEOUS LANDSCAPE WORK

LANDSCAPE MAINTENANCE

MAINTAIN LANDSCAPE WORK UNTIL FINAL ACCEPTANCE IS ISSUED BY THE OWNER'S REPRESENTATIVE. INCLUDE WATERING, WEEDING, CULTIVATING, RESTORATION OF GRADE, MOWING AND TRIMMING GRASS, PRUNING TREES AND SHRUBS, PROTECTION FROM INSECTS AND DISEASES, FERTILIZING AND SIMILAR OPERATIONS AS NEEDED TO INSURE NORMAL GROWTH AND GOOD HEALTH FOR LIVE PLANT MATERIAL.

PLANT MATERIAL SUBSTITUTION

NO SUBSTITUTION OF PLANT MATERIAL, TYPE OR SIZES WILL BE PERMITTED WITHOUT AUTHORIZATION FROM THE LANDSCAPE ARCHITECT.

PLANTING BED PREPARATION

ALL PLANTING BEDS SHALL BE PROPERLY PREPARED PRIOR TO THE COMMENCEMENT OF ANY PLANTING. PLANTING AREAS, INCLUDING LAWNS SHALL BE FREE OF ALL WEEDS AND NUISANCE VEGETATION. IF TORPEDO GRASS (PANICUM REPENS) IS PRESENT OR ENCOUNTERED DURING PLANTING, THE LANDSCAPE CONTRACTOR SHALL STOP ALL PLANTING UNTIL IT CAN BE DEMONSTRATED THAT IT HAS BEEN COMPLETELY REMOVED OR ERADICATED. THERE SHALL BE NO EXCEPTIONS TO THIS PROVISION.

ALL LANDSCAPE ISLANDS AND BEDS WILL BE FREE OF SHELL ROCK AND CONSTRUCTION DEBRIS AND WILL BE EXCAVATED TO A DEPTH OF 30 INCHES OR TO CLEAN, NATIVE SOIL AND FILLED WITH THE SPECIFIED REPLACMENT SOIL.

LANDSCAPE WARRENTY

THE LANDSCAPE CONTRACTOR SHALL GUARANTEE ALL PLANT MATERIAL FOR A PERIOD OF SIX (6) MONTHS FROM THE DATE OF CONDITIONAL ACCEPTANCE IN WRITING FROM THE LANDSCAPE ARCHITECT. AT THE TIME OF CONDITIONAL ACCEPTANCE, THE SIX (6) MONTH PERIOD SHALL COMMENCE. ANY MATERIALS WHICH HAVE DIED OR DECLINED TO THE POINT WHERE THEY NO LONGER MEET FLORIDA #1 CONDITION DURING THIS PERIOD SHALL BE PROMPTLY REPLACED WITH SPECIMENS THAT MEET THE MINIMUM REQUIREMENTS CALLED FOR ON THE DRAWINGS. THE LANDSCAPE CONTRACTOR SHALL NOT BE HELD RESPONSIBLE FOR THE DEATH OR DAMAGE RESULTING FROM ACTS OF GOD SUCH AS LIGHTNING, VANDALISM, AND AUTOMOBILES OR FROM NEGLIGENCE BY THE OWNER. CONTRACTOR SHALL BE RESPONSIBLE FOR WATERING AND OTHERWISE MAINTAINING PLANTS UP TO THE CONDITIONAL ACCEPTANCE PERIOD, UNLESS A WRITTEN AGREEMENT WITH THE LANDSCAPE ARCHITECT PROVIDES FOR A DIFFERENT ARRANGEMENT.

LANDSCAPE NOTES

ALL PROPOSED PLANT MATERIAL SHALL BE FLORIDA NUMBER 1 OR BETTER AS DESCRIBED IN GRADES AND STANDARDS FOR NURSERY PLANTS, PARTS I AND II, LATEST EDITION PUBLISHED BY THE FLORIDA DEPARTMENT OF AGRICULTURE AND CONSUMER SERVICE.

ALL PLANTED AREAS SHALL RECEIVE A 3" LAYER OF SHREDDED MULCH.

ALL PLANT MATERIAL SHALL BE PRUNED, IF NEEDED, TO ACHIEVE THE SHAPE AND FORM CHARACTERISTIC TO THEIR DESIGN INTENT. PRUNING TO BE IN STRICT ACCORDANCE WITH ISA STANDARDS.

ALL SOD OR SEED SHALL BE CERTIFIED (IF APPLICABLE) AND WEED AND INSECT FREE.

CONTRACTOR SHALL BE RESPONSIBLE FOR LOCATING EXISTING UTILITIES OR OTHER OBSTRUCTIONS WHICH MAY INTERFERE WITH PLAN INSTALLATION

CALL SUNSHINE ONE CALL SERVICE FOR UNDERGROUND UTILITY LOCATIONS 48 HOURS PRIOR TO ANY EXCAVATION OF DIGGING 1-800-432-4470.

LANDSCAPE AND/OR SOD SHALL BE PLACED TO THE EDGE OF PAVEMENT FROM VEHICULAR AREAS, ADJACENT TO CANAL BANKS, LAKES OR OTHER LANDSCAPE AREAS.

ALL MECHANICAL EQUIPMENT, IRRIGATION PUMPS FPL TRANSFORMERS, POOL PUMPS, ECT. SHALL BE SCREED ON A MINIMUM OF THREE SIDE BY LANDSCAPE SHRUBS.

CORNER CLIP AND VISIBILITY TRIANGLES SHALL BE MAINTAINED FOR CLEAR SIGN VISIBILITY FROM THIRTY (30) INCHED TO EIGHT FEET HIGH (TREE AND PALM TRUNKS EXCLUDED).

ROOT BARRIERS SHALL BE INSTALLED WHERE REQUIRED BY LOCAL UTILITY COMPANY OR OTHER REGULATING AGENCIES.

WHERE FICUS SPECIES ARE USED, APPROPRIATE SETBACKS AND SAFEGUARDS (ROOT BARRIERS) SHALL BE REQUIRED.

ALL TREES AND PALMS SHALL BE STAKED/GUYED IN ACCORDANCE WITH THE SPECIFICATIONS AND PLANTING DETAILS.

ALL PLANTING BEDS SHALL BE SHAPED AND SLOPED TO PROVIDE PROPER DRAINAGE.

LOCAL UTILITY AND FIRE RESCUE CLEARANCE ZONES SHALL BE PROVIDE AROUND ALL ABOVE GROUND OR AT GRADE METERS AND EQUIPMENT.

STREET TREE LOCATIONS SHALL BE COORDINATED WITH DRIVEWAYS, STREET LIGHTS, UTILITIES AND FIRE HYDRANTS.

THERE SHALL BE A MINIMUM SIX FEET SEPARATION BETWEEN LANDSCAPE AND UTILITIES, LANDSCAPE PLANTING SHALL BE IN CONFORMANCE WITH FPL GUIDELINES FOR SETBACKS FROM OVERHEAD UTILITY LINES.

ALL PLANTING AREA SHALL BE EXCAVATED TO A DEPTH OF 30" MINIMUM AND BACKFILLED WITH A SOIL MIX CONSISTING IF ¼ NATIVE SOIL, ½ CLEAN SAND AND ½ COMPOSED COW MANURE OR COMPARABLE COMPOSED ORGANIC MATERIAL.

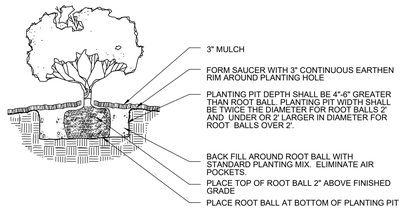
EASEMENTS SHALL NOT ENCROACH LANDSCAPE BUFFERS MORE THAN FIVE FEET.

FOOT TYPE D OR F CURB SHALL BE PROVIDED ALONG THE PERIMETER OF ALL LANDSCAPE, OPEN SPACE, DRAINAGE AND GRADED AREAS ADJACENT TO PAVED VEHICULAR USE AREAS, EXCEPT WHERE WHEEL STOPS ARE PROVIDED.

CORNER CLIPS AND VISIBILITY TRIANGLES SHALL BE MAINTAINED CLEAR OF VEGETATION TO PROVIDE UNOBSTRUCTED VISIBILITY BETWEEN 30" AND 8" ABOVE CROWN OF PAVEMENT.

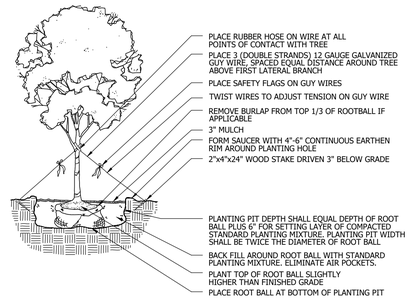
LIGHT POLES, FIRE HYDRANTS, ELECTRICAL/MECHANICAL EQUIPMENT, SIGNS, DRAINAGE STRUCTURES, ECT. SHALL BE INTERFERE WITH LANDSCAPING IN TERMINAL ISLANDS, INTERIOR ISLANDS, MEDIANS, DIAMONDS, BUFFERS OR OTHER LANDSCAPED AREAS.

PLANTING DETAILS



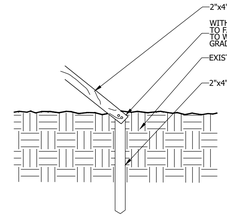
SHRUB/GROUNDCOVER PLANTING DETAIL

NTS



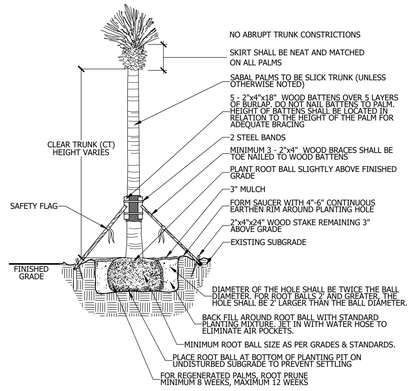
LARGE TREE PLANTING DETAIL

NTS



WOOD STAKING DETAIL

NTS

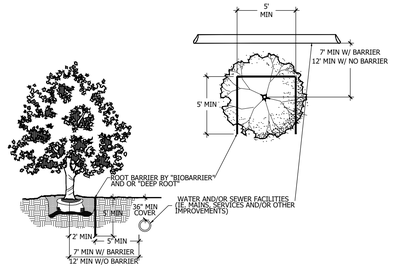


SABAL PALM PLANTING DETAIL

NTS

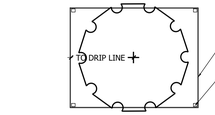
LANDSCAPE AND ROOT BARRIER NOTE:
TREES SHOWN ON THIS PLAN ARE FOR GRAPHIC REPRESENTATION ONLY. TREE SPACING IS BASES ON DESIGN REQUIREMENTS AND THE TREES SHOWN ON THESE PLANS ATTEMPT TO ACCOMPLISH THAT SPACING WHILE MAINTAINING THE REQUIRED SETBACKS FROM UTILITIES. TREES MAY BE FIELD ADJUSTED TO AVOID CONFLICTS WITH DRIVEWAYS AND UNDERGROUND UTILITIES. IN ANY CASE THE TREES SHALL BE LOCATED IN THE FIELD IN ACCORDANCE WITH THE PLANTING DETAILS SHOW HEREON.

ADDITIONALLY, TREES ARE TO BE INSTALLED WITH A TEN FOOT (10') SEPARATION FROM ANY WATER OR SEWER MAIN AND /OR SERVICE, HYDRANTS, AND LIFT STATIONS. IF A TEN FOOT (10') SEPARATION CANNOT BE ACHIEVED, THE TREE SHALL BE INSTALLED WITH A ROOT BARRIER SYSTEM. REFER TO THE "ROOT BARRIER" DETAIL FOR INSTALLATION REQUIREMENTS. PER SEC. 34-189, ALL TREES WITH ROOTS KNOWN TO CAUSE DAMAGE TO PUBLIC ROADWAYS OR OTHER PUBLIC WORKS SHALL NOT BE PLANTED CLOSER THAN 12' TO SUCH PUBLIC IMPROVEMENTS UNLESS THE TREE ROOT SYSTEM IS COMPLETELY CONTAINED WITHIN A BARRIER FOR WHICH THE MINIMUM INTERIOR DIMENSIONS SHALL BE FIVE FEET SQUARE OR AN EQUIVALENT AND FIVE FEET DEEP. ONLY SOD CAN BE INSTALLED WITHIN 7.5' OF A FIRE HYDRANT UNLESS OTHERWISE APPROVED BY THE FIRE MARSHAL.



ROOT BARRIER DETAIL

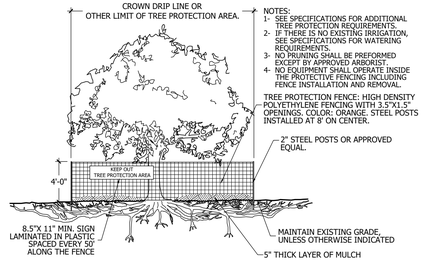
NTS



TREE PROTECTION DETAIL

PLAN VIEW

NTS



TREE PROTECTION DETAIL

SECTION VIEW

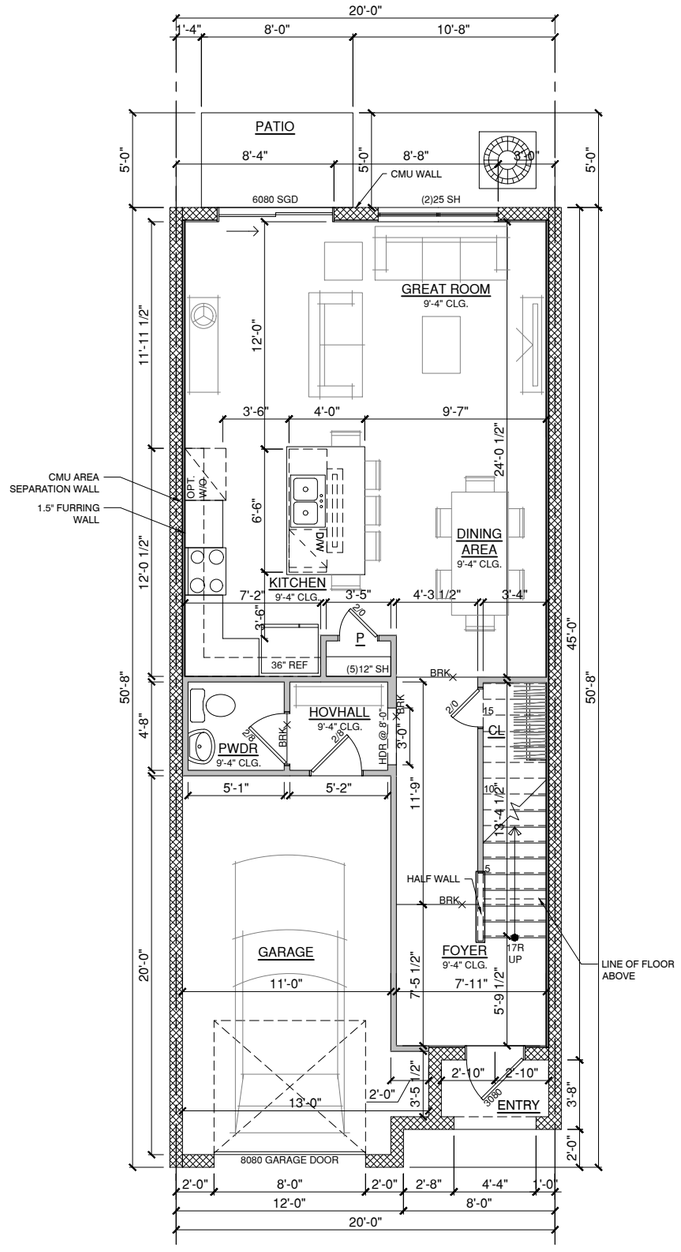
NTS

PLANT LIST

TREES	QTY	BOTANICAL NAME	COMMON NAME	CONT	CAL	SIZE	NATIVE	LOW MAINT	REMARKS
BA	10	BULNESIA ARBOREA	VERAWOOD	45 GAL. OR F.G.	2.5"Cal	12`-14` HT, 6`-8` SPRD	N	Y	SINGLE STRAIGHT TRUNK. FULL CANOPY.
BS	39	BURSERA SIMARUBA	GUMBO LIMBO	45 GAL. OR F.G.	2.5-3" CAL.	12`-14` O.A. HT., 6`-8` SPD.	Y		FULL CANOPY
CA	2	CALOPHYLLUM BRASILIENSE	BRAZILIAN BEAUTY LEAF	30 GAL. OR F.G.	2" CAL	12` HT X 5` SPRD	N		FULL CANOPY
DR	5	DELONIX REGIA	ROYAL POINCIANA	45 gal	2.5" CAL	14`-16` OA HT.			SINGLE STRAIGHT TRUNK. FULL CANOPY. FLORIDA FANCY.
ED	19	ELAEOCARPUS DECIPIENS	JAPANESE BLUEBERRY TREE	45 GAL. OR F.G.	N.A.	12`-14` x 5` SPRD.	N		FULL & THICK CANOPY, SHEARED CONICAL SHAPE. FLORIDA FANCY. 4` CT SINGLE STRAIGHT TRUNK. MATCHED,
HRS	4	HIBISCUS STANDARD	HIBISCUS TREE	15 gal	N.A.	6` O.A., STANDARD	N		FULL HEAD, THICK TRUNK, SEMINOLE PINK
JAT	1	JATROPHA INTEGERIMA	JATROPHA	25 GAL	1.5" CAL	5` OA MULTI STEM	N	N	FULL & THICK, FLORIDA FANCY.
JB	3	JUNIPERUS SILICICOLA `BRODIE`	BRODIE SOUTHERN RED CEDAR	45 gal	N.A.	12` O.A.	Y	Y	FULL & THICK, FULL TO BASE.
LI	1	LAGERSTROEMIA INDICA `MUSKOGEE` OR `TUSKEGEE`	CREPE MYRTLE	30 GAL	1.5" CAL	12` HT X 4` SPRD	N		MULTI, LIMB UP 5`. CHERRY LAKE NURSERY.
LJ	3	LIGUSTRUM JAPONICUM	JAPANESE PRIVET	45 GAL. OR F.G.	3 TRK MIN., 1"-2" CAL. EA.	6` HT., 6` SPD.			FULL CANOPY, MULTI TRUNK, LIMB UP 3`
QV	61	QUERCUS VIRGINIANA	LIVE OAK	45 GAL. OR F.G.	2" CAL. MIN	12`-14` OA	Y		FULL CANOPY, FL #1
PALM TREES	**QTY**	**BOTANICAL NAME**	**COMMON NAME**	**CONT**	**CAL**	**SIZE**	**NATIVE**	**LOW MAINT**	**REMARKS**
CH	1	CHAMAEROPS HUMILIS	EUROPEAN FAN PALM	30 GAL	N.A.	4`-5` O.A.	N	N	MULTI TRUNK, FULL CANOPY.
RE	14	ROYSTONEA ELATA	ROYAL PALM * *	FIELD GROWN	N.A.	8` GW, 16` CT, 24` OA	Y		FULL CANOPY. MATCHED.
SP	82	SABAL PALMETTO	SABAL PALM	FIELD GROWN	N/A	18`, 22`, 26` OA STGG	Y		SLICK TRUNK, STRAIGHT, SEE PLAN FOR OVERALL HEIGHTS
SP2	7	SABAL PALMETTO	CURVED CABBAGE PALM	N.A.	N.A.	14`-16` OA	Y	Y	STRONG, UNIQUE CURVES, SLICK TRUNKS
TR	4	THRINAX RADIATA	TRIPLE THATCH PALM	FIELD GROWN	MULTI TRUNK	7`-8` HT X 3`-4` SPRD	Y	Y	FULL & THICK
SHRUBS	**QTY**	**BOTANICAL NAME**	**COMMON NAME**	**CONT**	**SIZE**	**SPACE**	**NATIVE**	**LOW MAINT**	**REMARKS**
CIR	665	CHRYSOBALANUS ICACO `RED TIP`	RED TIP COCOPLUM	15 GAL	48" X 36"	A.S.	Y		FULL & THICK
CLD15	119	CLUSIA GUTTIFERA	SMALL-LEAF CLUSIA	15 gal	30"X30"	3` O.C.	Y		FULL & THICK, FLORIDA FANCY
CG7	154	CLUSIA GUTTIFERA	SMALL LEAF CLUSIA	7 GAL.	#7, 3` X 2`	A.S.			FULL TO BASE
CLP	6	CRINUM ASIATICUM `QUEEN EMMA`	RED CRINUM LILY	15 GAL.	3` X 3`	A.S.			FULL & THICK
FF	1	FURCRAEA FOETIDA	FALSE AGAVE	7 gal.	3` O.A.	A.S.	N	N	FULL & THICK
PM7	68	PODOCARPUS MACROPHYLLUS	PODOCARPUS	7 gal	6`	2` O.C.	N		FULL & THICK
SA	24	SCHEFFLERA `TRINETTE`	TRINETTE	3 GAL	1.5` X 1.5`	2` O.C.			FULL & THICK
GROUND COVERS	**QTY**	**BOTANICAL NAME**	**COMMON NAME**	**CONT**	**SIZE**	**SPACE**	**NATIVE**	**LOW MAINT**	**REMARKS**
AG	86	ARACHIS GLABRATA	PERENNIA PEANUT	4" POT	6" X 6"	12" OC	N		
BF	80	BULBINE FRUTESCENS	STALKED BULBINE	3 GAL	12" x 12"	24" OC			
CID	334	CHRYSOBALANUS ICACO `HORIZONTAL`	DWARF COCOPLUM	3 GAL	12" x 12"	24" O.C.	Y		FULL & THICK, NOT STRETCHED, FLORIDA FANCY
CODM2	71	CODIAEUM VARIGAGO `MANGO`	MANGO CROTON	7 GAL	24" X 24"	24" O.C.	N		FULL & THICK
FG	237	FICUS MACROPHYLLA `GREEN ISLAND`	GREEN ISLAND FICUS	3 GAL	12" x 12"	24" O.C.			FULL AND THICK
HP*	230	HAMELIA PATENS	FIREBUSH	3 GAL	18" X18"	30" O.C.	Y	N	FULL & THICK
HS	18	HIBISCUS RED `SEMINOLE PINK`	SEMINOLE PINK HIBISCUS	1 GAL	24" X 24"	24" O.C.	N		FULL & THICK
IV	23	ILEX VOMITORIA `SHILLINGS DWARF`	DWARF YAUPON HOLLY	3 GAL	15" X 15"	24" OC	Y		FUL

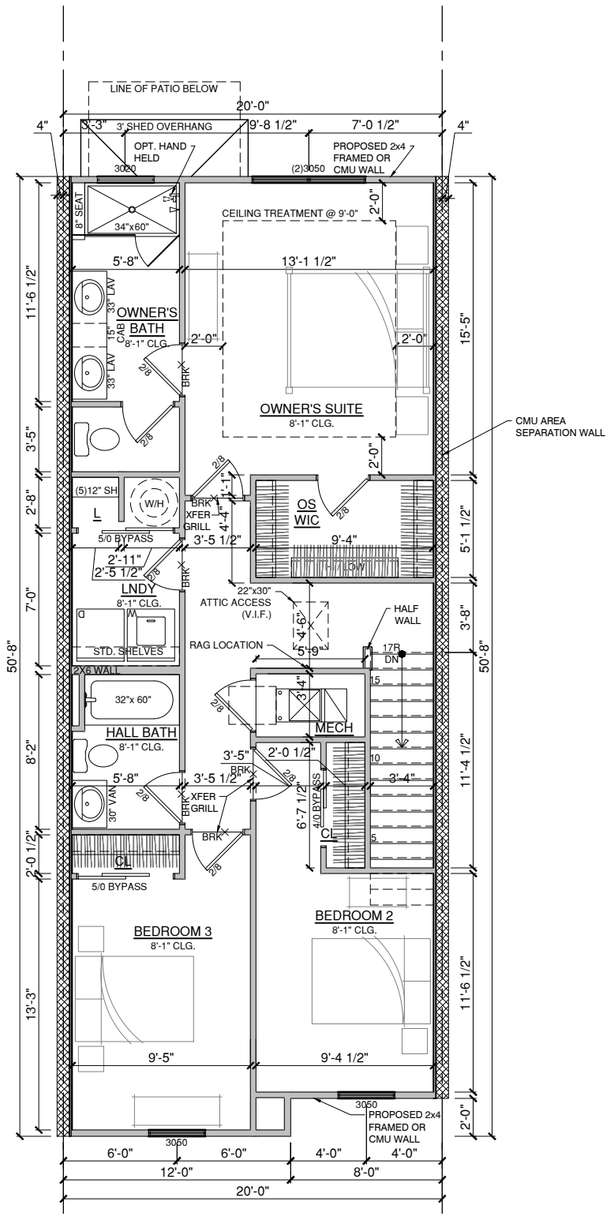
Arabella II

1683 SQFT :: 20' x 50'-8"



FIRST FLOOR :: 729 SQFT

BASE PLAN :: INTERIOR

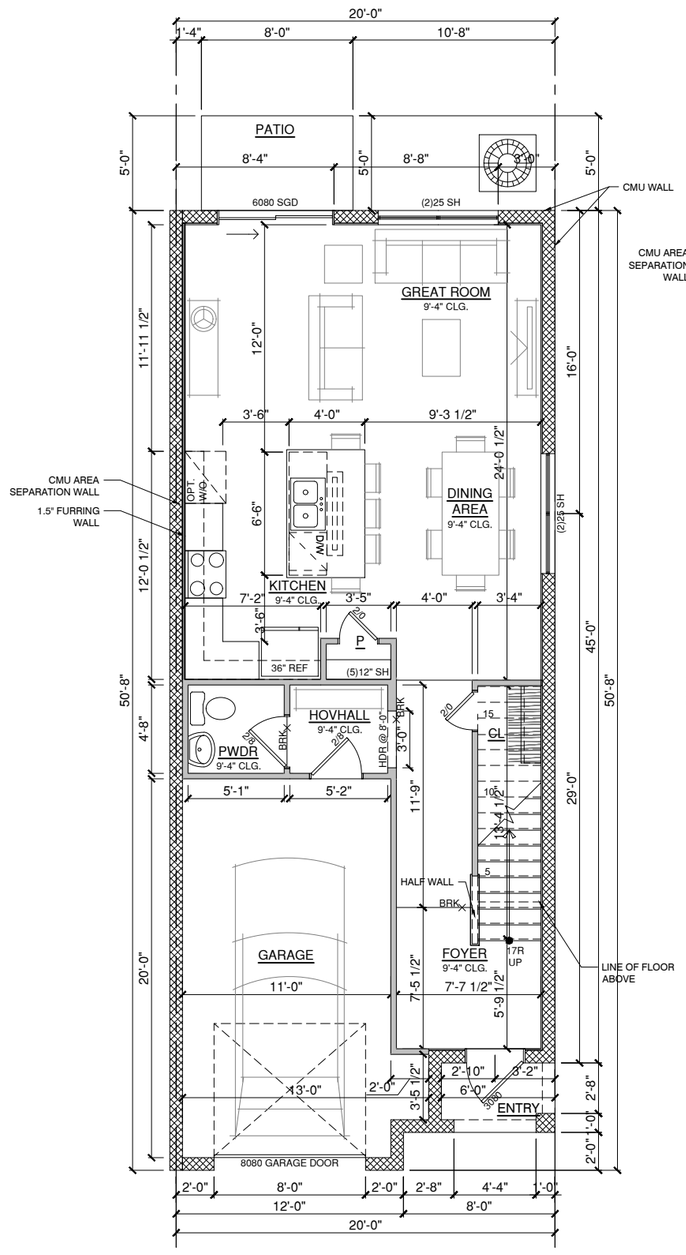


SECOND FLOOR :: 954 SQFT

BASE PLAN :: INTERIOR

Arabella III

1680 SQFT :: 20' x 50'-8"

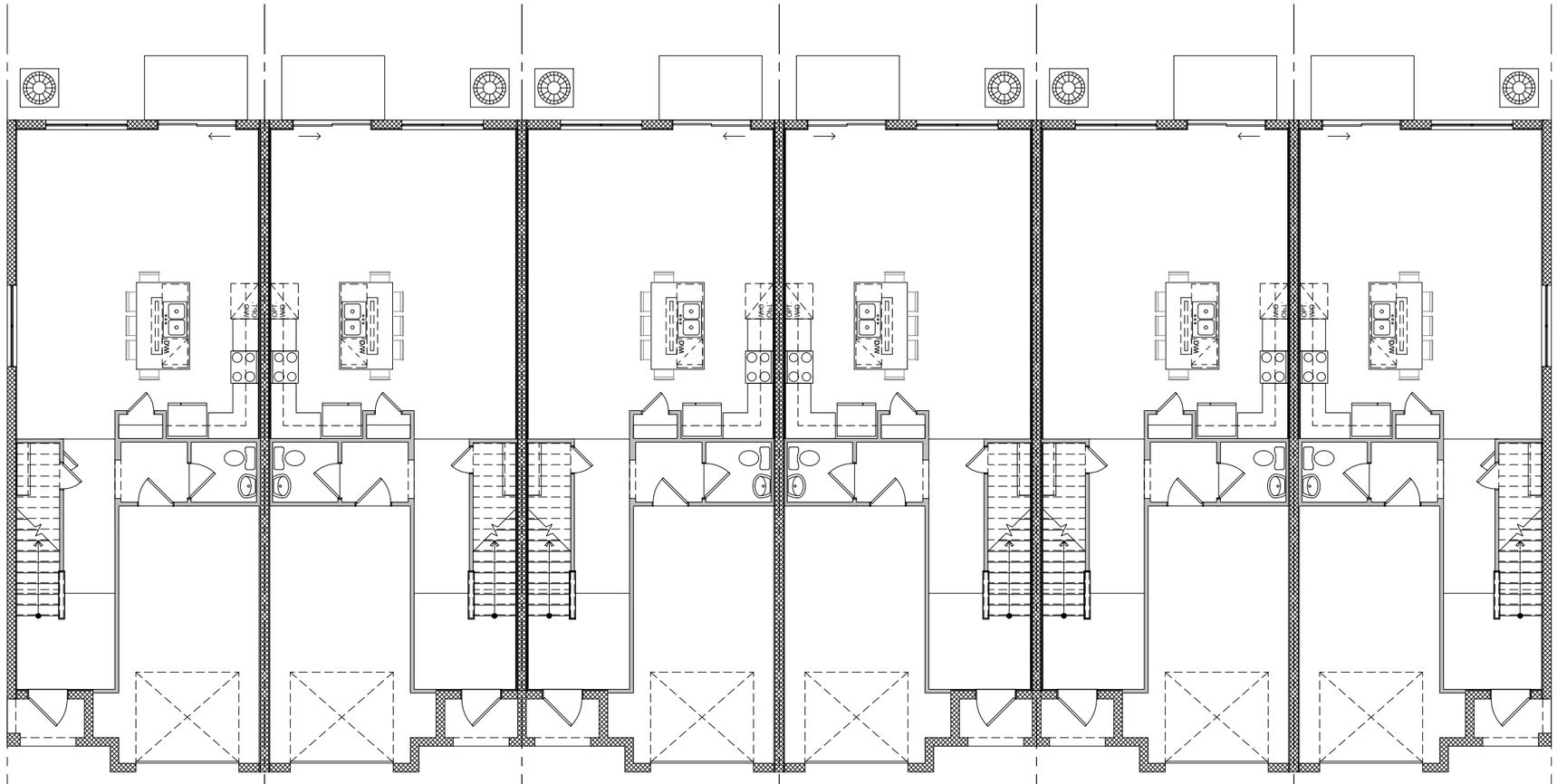


FIRST FLOOR :: 729 SQFT

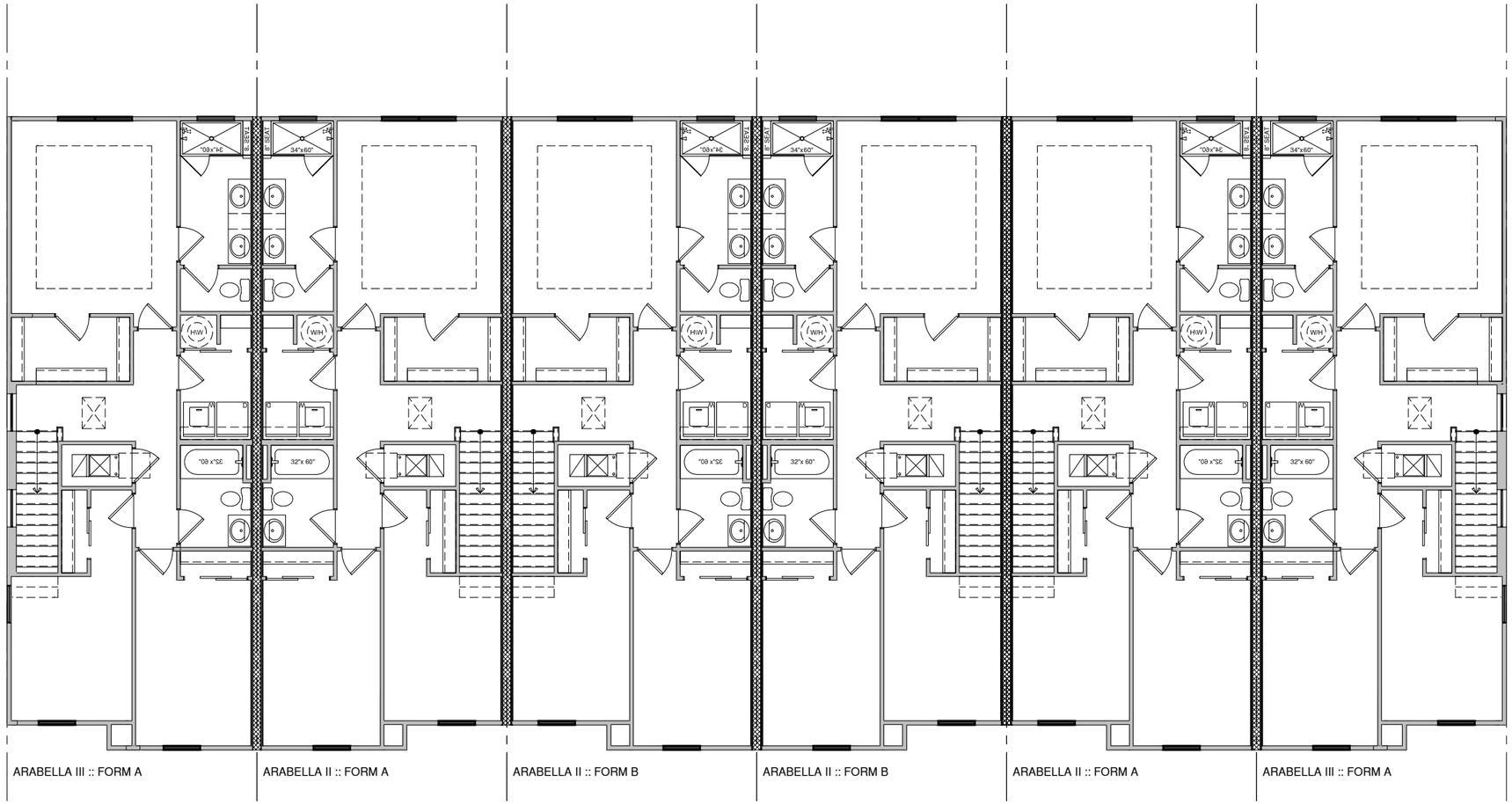
BASE PLAN :: EXTERIOR

SECOND FLOOR :: 951 SQFT

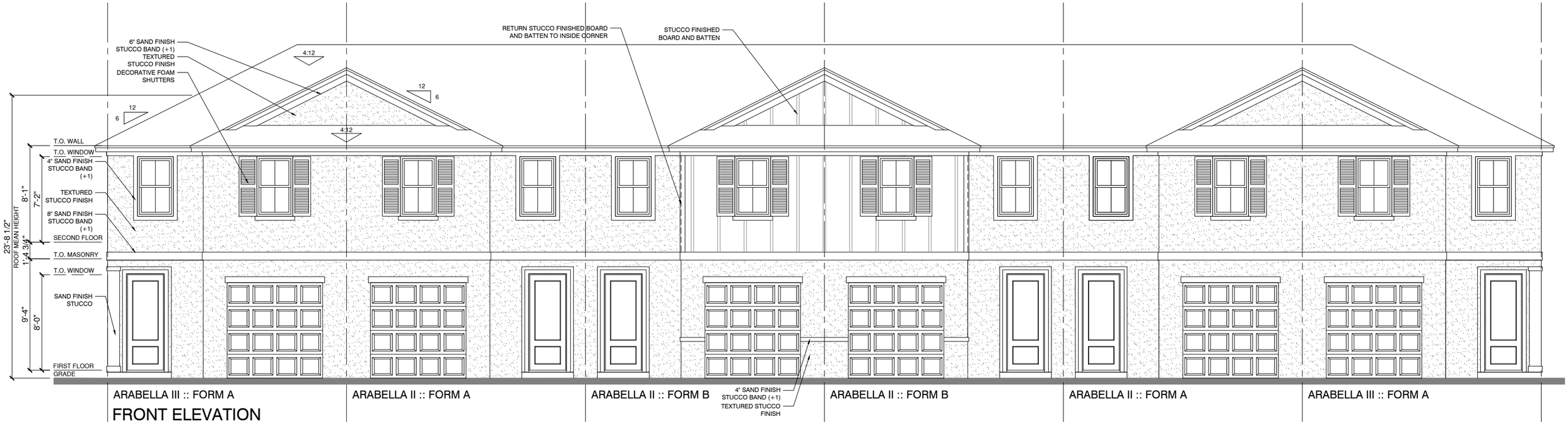
BASE PLAN :: EXTERIOR



6 STRING :: 1ST FLOOR
BASE PLAN



6 STRING :: 2ND FLOOR
BASE PLAN



FRONT ELEVATION

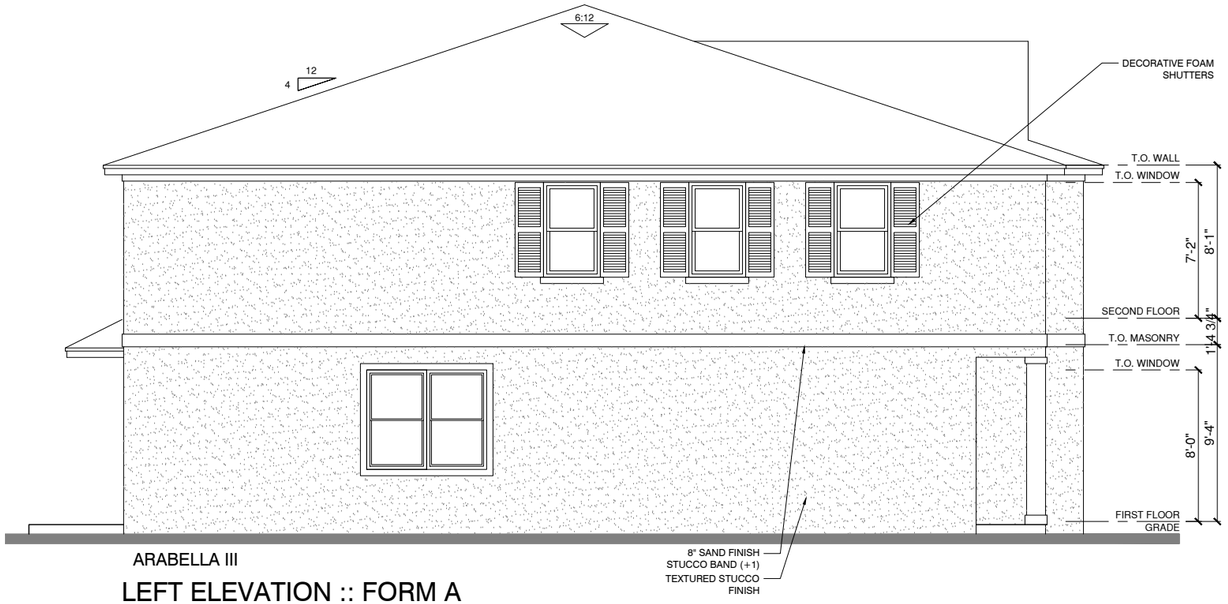


REAR ELEVATION

FLORIDA :: SOUTHEAST FLORIDA

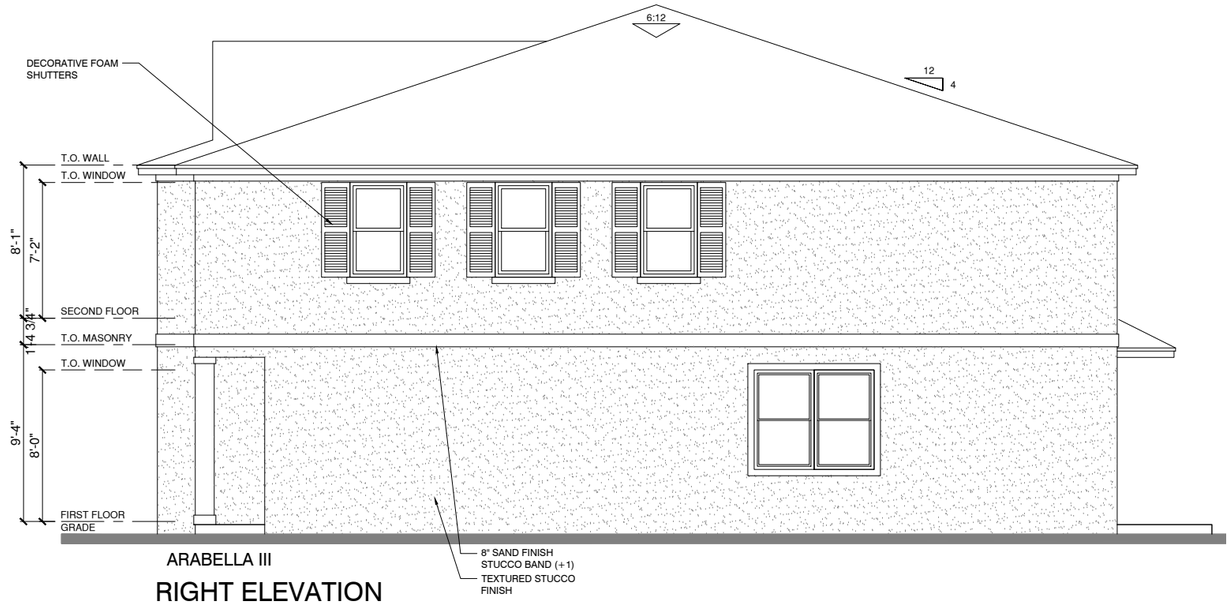
Boatman's Hammock

K Hovnanian® Companies



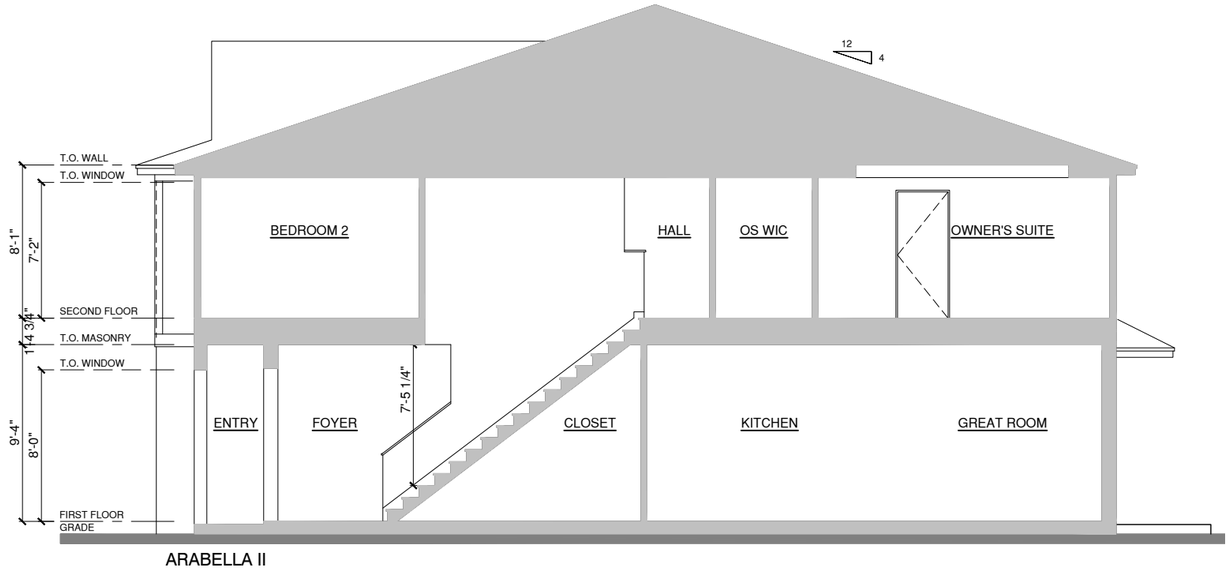
ARABELLA III

LEFT ELEVATION :: FORM A



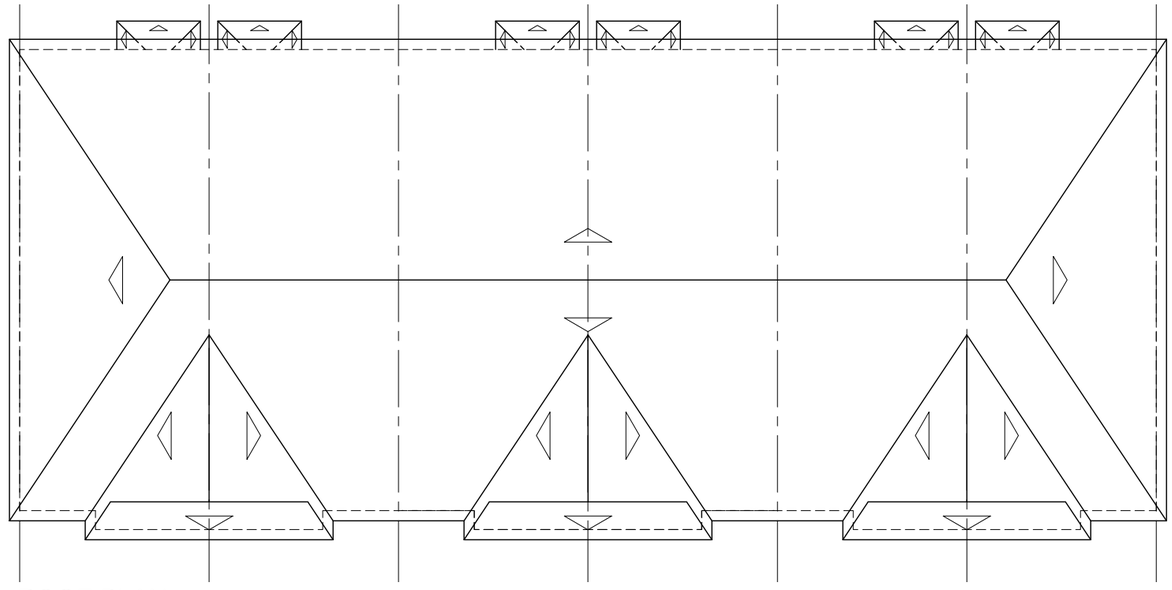
ARABELLA III

RIGHT ELEVATION



ARABELLA II

BULDING SECTION



ROOF PLAN

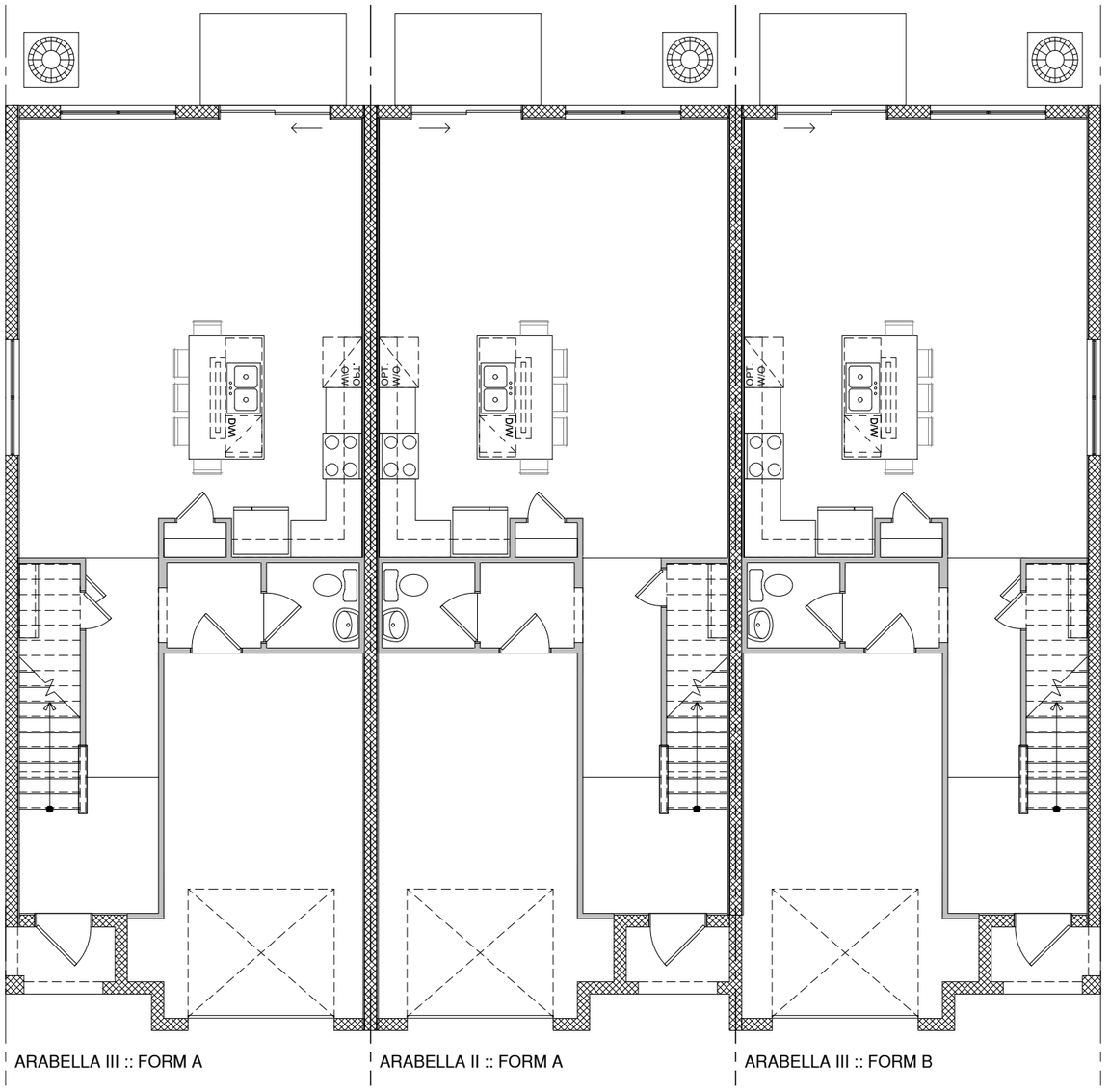
FORM A

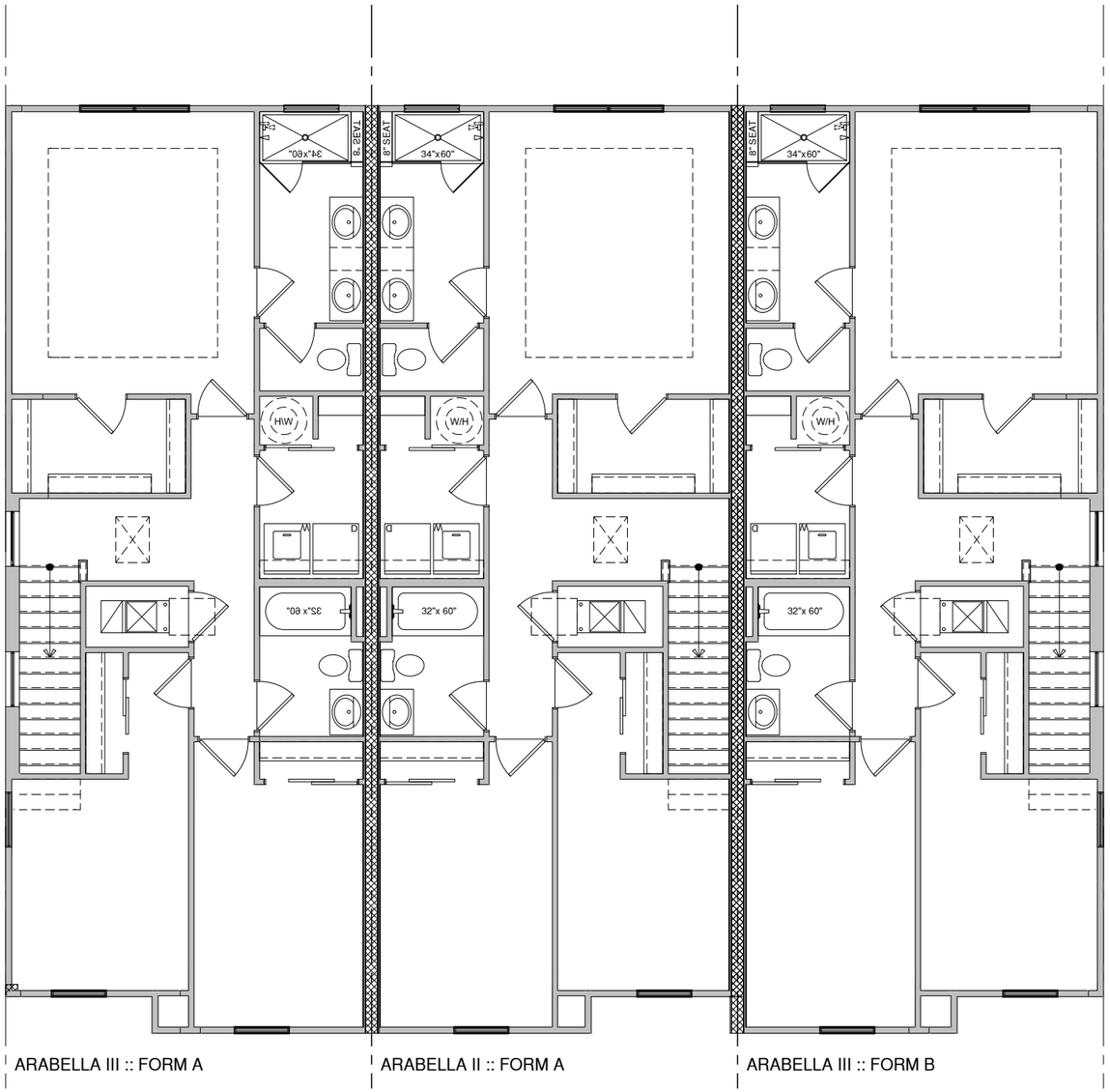
SCALE :: 1/16" = 1'-0"

FLORIDA :: SOUTHEAST FLORIDA

Boatman's Hammock

KHovnanian® Companies


W/D
OPT. W/D
W/D
OPT. W/D
W/D
ARABELLA III :: FORM A
ARABELLA II :: FORM A
ARABELLA III :: FORM B


34"x60"
34"x60"
34"x60"
HW
W/H
W/H
32"x 60"
32"x 60"
32"x 60"
ARABELLA III :: FORM A
ARABELLA II :: FORM A
ARABELLA III :: FORM B



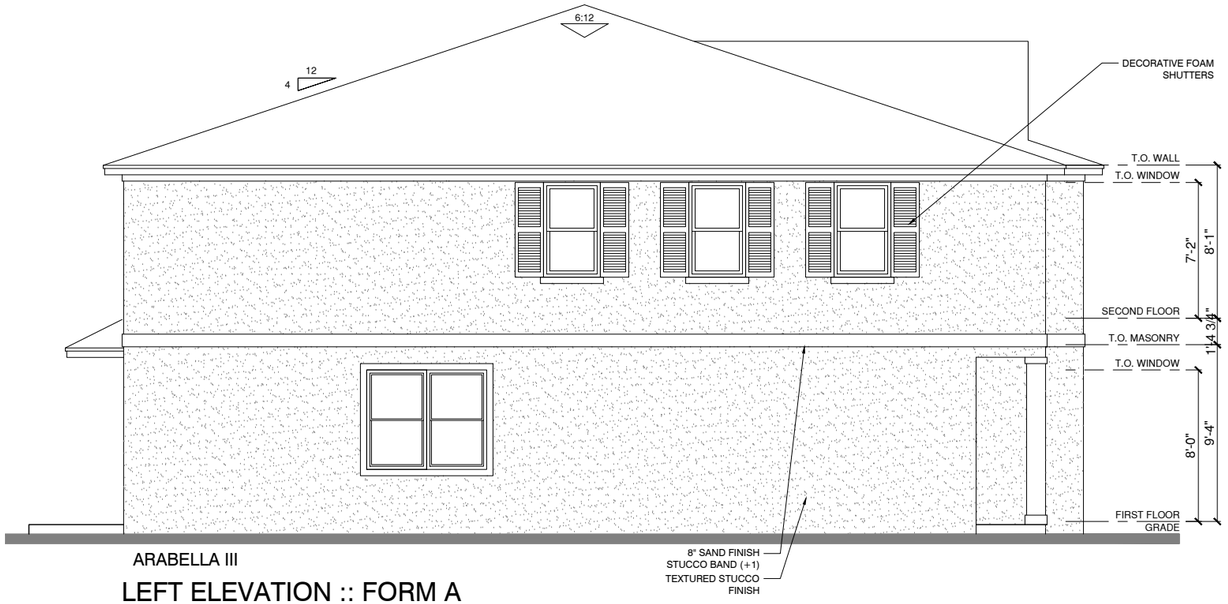
ARABELLA III :: FORM A | ARABELLA II :: FORM A | ARABELLA III :: FORM B

FRONT ELEVATION



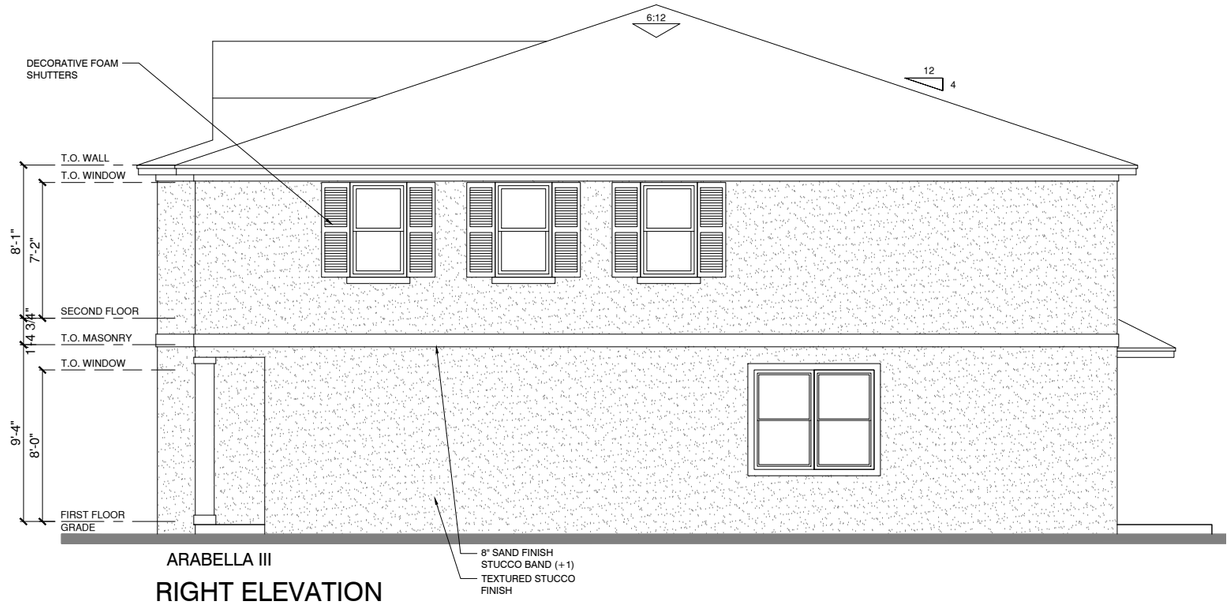
ARABELLA III :: FORM A | ARABELLA II :: FORM A | ARABELLA III :: FORM B

REAR ELEVATION



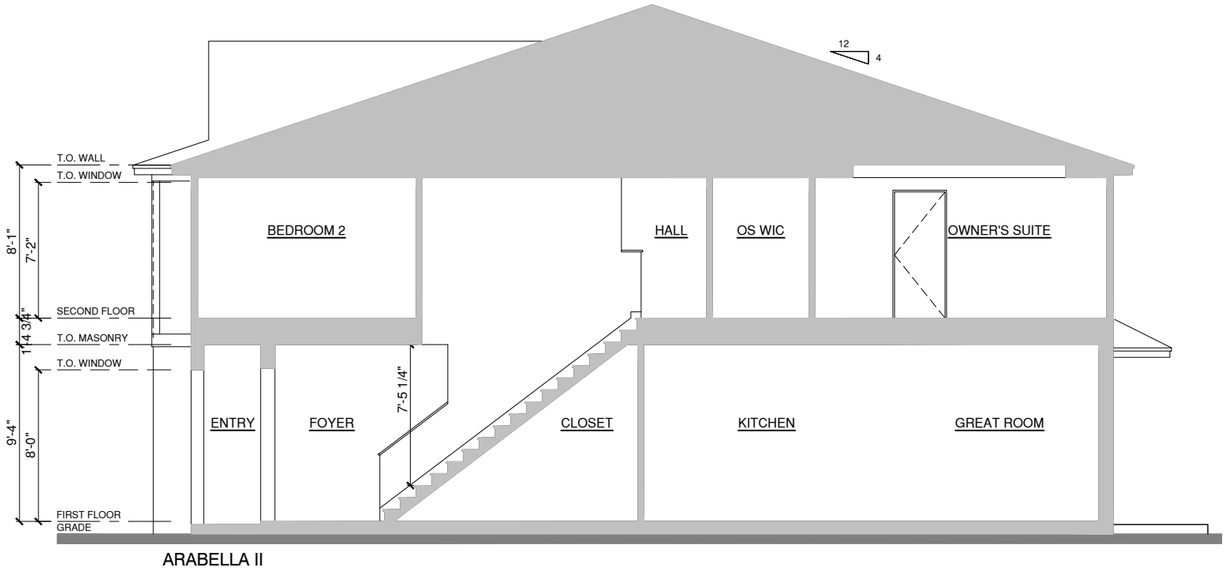
ARABELLA III

LEFT ELEVATION :: FORM A



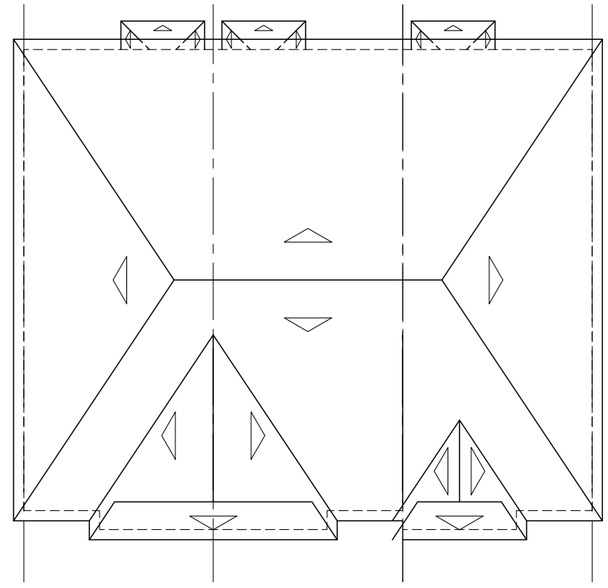
ARABELLA III

RIGHT ELEVATION



ARABELLA II

BULDING SECTION



ROOF PLAN

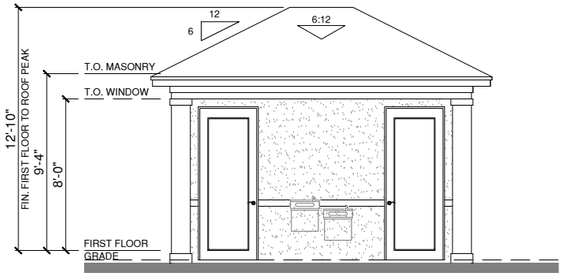
FORM A

SCALE :: 1/16" = 1'-0"

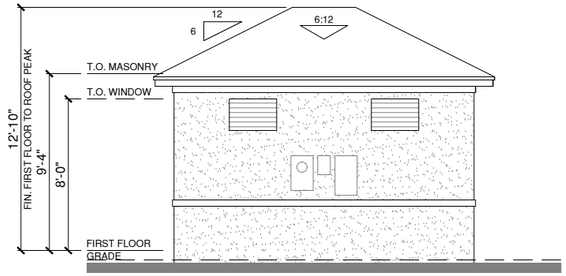
FLORIDA :: SOUTHEAST FLORIDA

Boatman's Hammock

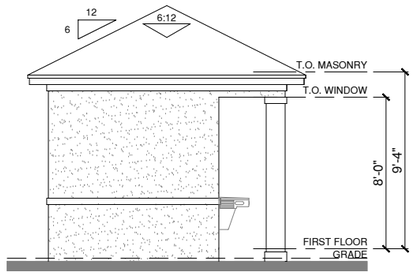
KHovnanian® Companies



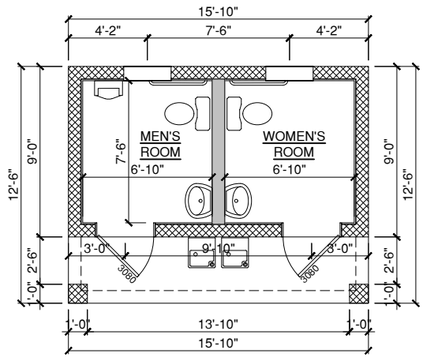
FRONT ELEVATION



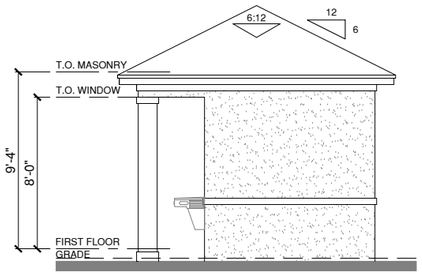
REAR ELEVATION



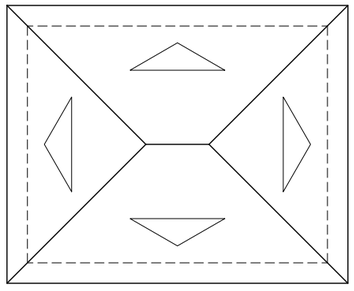
LEFT ELEVATION



FIRST FLOOR :: 142 SQFT



RIGHT ELEVATION

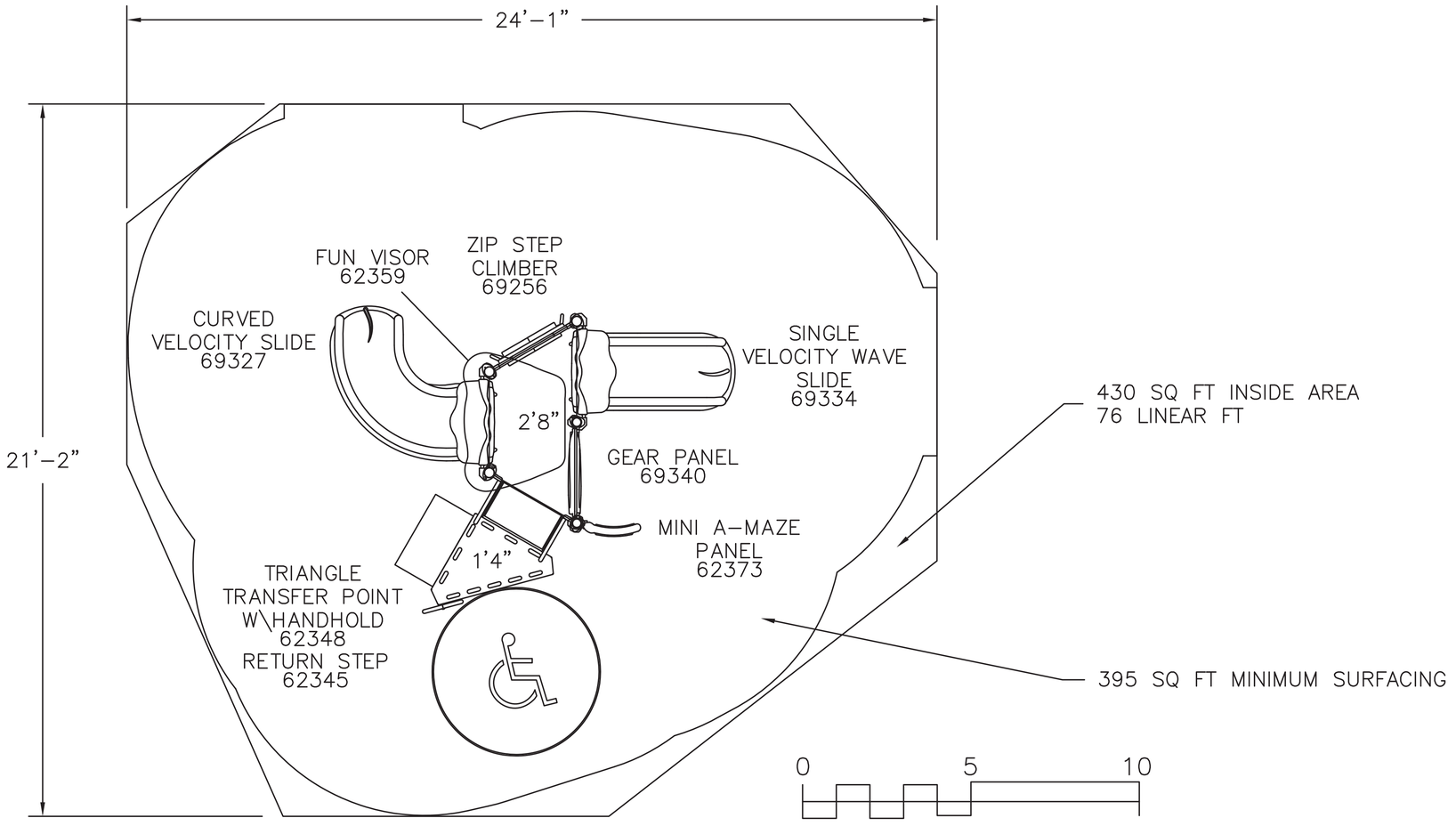


ROOF PLAN

2016 CATALOG UNIT 10-94434 Play and Park Structures	This play equipment is recommended for children ages: 2-5 Minimum Area Required: 24'-1" x 21'-2"	Scale: 1/4"=1' This drawing can be scaled only when in an 11" x 17" format	Drawn By: Charlie Walcott Date: 11/11/15 Quote Number: 10-00003	play&park structures A PLAYCORE Company 401 Chestnut St., Ste. 410 Chattanooga, TN 37402 800-727-1907 / www.playandpark.com		Total Play Components	5			User Capacity 10-20
						Elevated Play Components	4			
						Elevated Play Components Accessible by Ramp	0	Req.	0	
						Elevated Components Accessible by Transfer	4	Req.	2	Critical Fall Height 2'-8"
						Accessible Ground Level Components Shown	1	Req.	1	
						Different Types of Ground Level Components	1	Req.	1	

DURAmax PLAY SYSTEMS

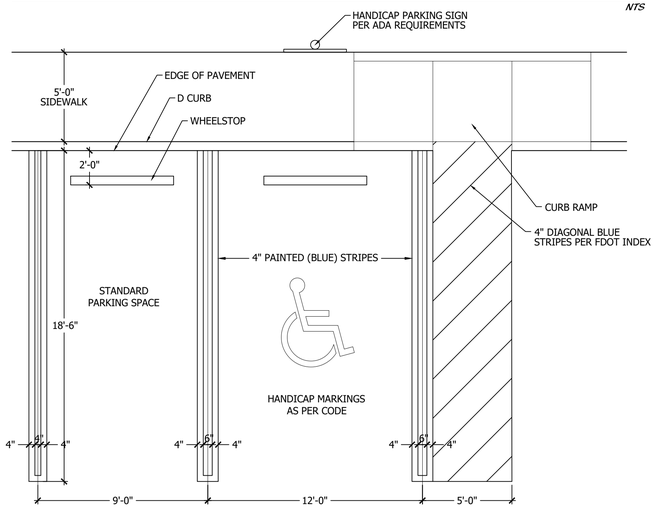
ISO 9001 CERTIFIED



It is the manufacturer's opinion that the structure shown herein complies with current ada standards concerning accessibility if used with proper accessible surfacing and together with other necessary ground level play equipment.
IMPORTANT: Never install play equipment over hard, unresilient surfaces such as asphalt, concrete, or compacted earth. It is the owner's responsibility to ensure the "minimum area required" contains an appropriate amount of resilient material to cushion accidental falls.

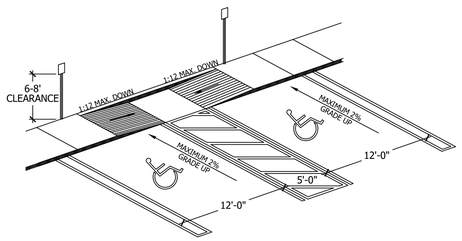
STANDARD AND HANDICAP PARKING DETAIL

NTS



HANDICAP RAMP DETAIL

NTS

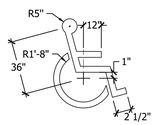


NOTE: IN THIS APPLICATION RAMPS CAN BE SEPARATED AND SIDEWALK CAN BE FLUSH ACROSS ALL HC SPACES

NOTE: HCR#3-MOD MEANS ONLY 1 RAMP BUILT TO REQUIRED SIDE OF SIDEWALK. OR RAMPS SEP. TO ENDS OF HC SPACES

HANDICAP SYMBOL DETAIL

NTS

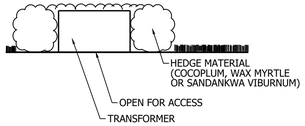


NOTE: SYMBOL TO BE 4" WIDE WHITE TRAFFIC PAINT ON PAVEMENT OR COLORED PAVERS . TYPICAL @ ALL HANDICAP STALLS

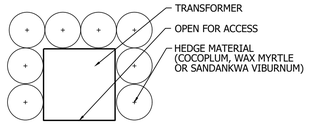
TRANSFORMER DETAIL

NTS

ELEVATION VIEW



PLAN VIEW



BIKE RACK DETAIL

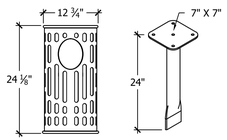
NTS



TYPE: MADRAX 5 LOOP HEAVY DUTY WINDER
COLOR: LEXINGTON GREEN OR BLACK
FINISH: POWDER COAT

TRASH CAN DETAIL

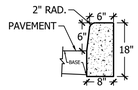
NTS



TYPE: WABASH VALLEY ASH URN
COLOR: GREEN OR BLACK / RIB PATTERN
FINISH: POWDER COAT

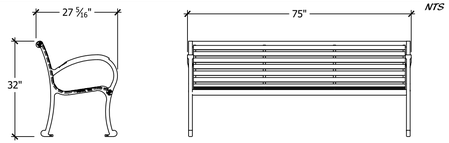
D CURB DETAIL

NTS



BENCH DETAIL

NTS



TYPE: DUMOR 160 SERIES BENCH
COLOR: GREEN OR BLACK
FINISH: ZINC RICH AND POLYESTER POWDER COAT

PEDESTRIAN CROSSING SIGN

NTS



COLORS:
BACKGROUND = YELLOW
IMAGE = BLACK

24" HT X 24" W

HANDICAP SIGN DETAIL

NTS



COLORS:
TOP SYMBOL & BORDER = WHITE
BOTTOM TEXT & BORDER = BLACK
TOP BACKGROUND = BLUE
BOTTOM BACKGROUND = WHITE

PERIMETER FENCE DETAIL

NTS



6' HEIGHT
VINYL COATED CHAIN LINK
COLOR: GREEN OR BLACK

STOP SIGN DETAIL

NTS



COLORS:
BACKGROUND = RED
LETTERS = WHITE
BOARDER = WHITE

30" HT X 30" W
2" CONTINUOUS BORDER

Site Details

Cotleur & Hearing
Landscape Architects
Land Planners
Environmental Consultants
1934 Commerce Lane
Suite 1
Jupiter, Florida 33458
561.747.6336 · Fax 747.1377
www.cotleurhearing.com
Lic# LC-26000535

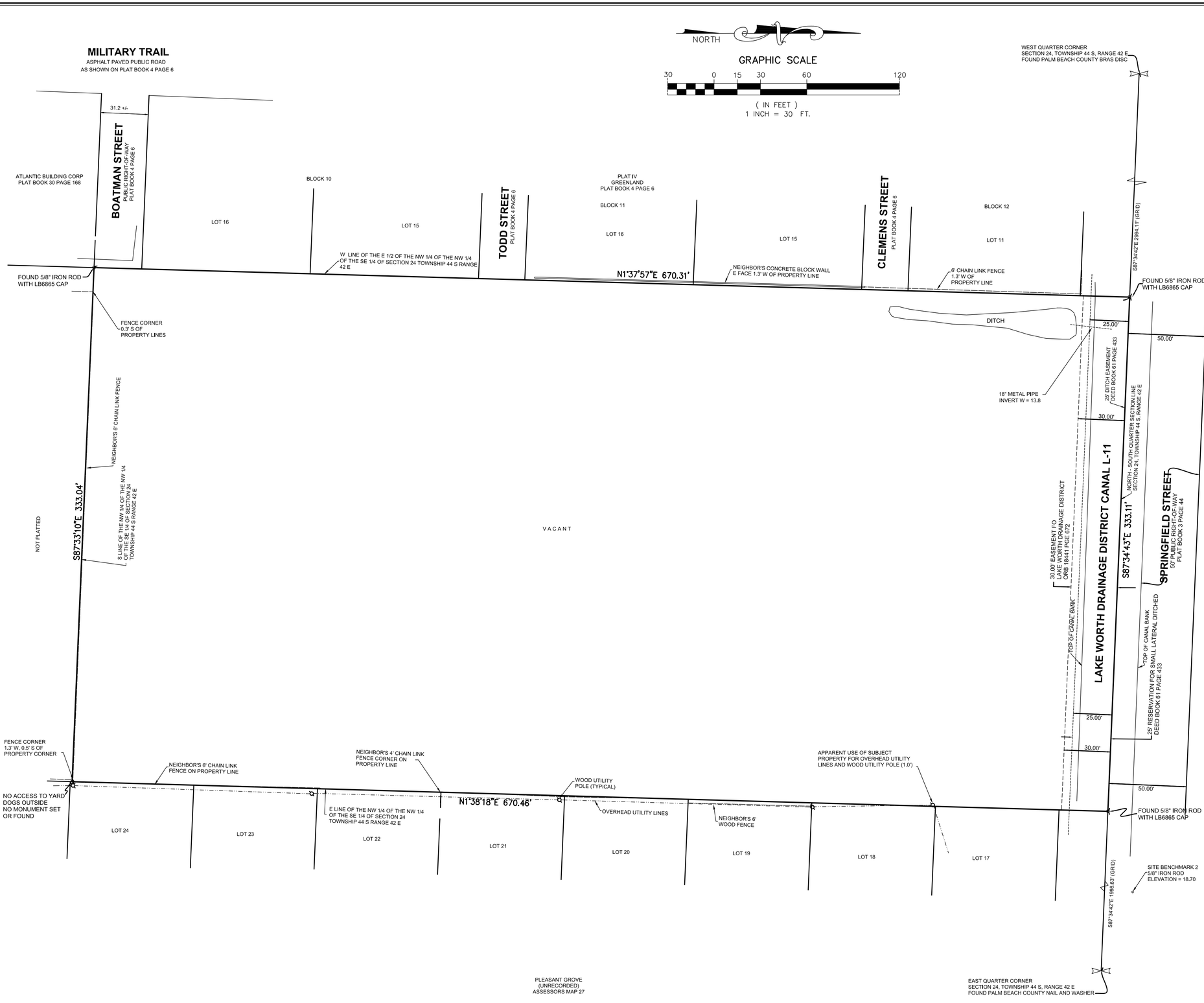
Boatman Hammock
Palm Springs, Florida

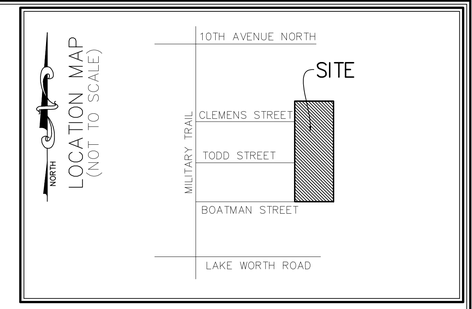
DESIGNED	DEH
DRAWN	RO/RNK
APPROVED	DEH
JOB NUMBER	20-0905
DATE	01-22-21
REVISIONS	02-25-21
	03-16-21
	05-04-21
	06-18-21
	09-17-21

September 17, 2021 4:13:50 p.m.
Drawing: 20-0905 SP.DWG

SHEET 2 OF 2

© COTLEUR & HEARING, INC.
These drawings are the property of the architect and are not to be used for extensions or on other projects except by agreement in writing with the architect. Immediately report any discrepancies to the architect.





LEGEND

A/C	– AIR CONDITIONER	⚓	– ANCHOR
ALUM.	– ALUMINUM	BFP	– BACKFLOW PREVENTER
CONC.	– CONCRETE	CB	– CABLE BOX
COVD.	– COVERED	CB	– CATCH BASIN
F.F.E.	– FINISH FLOOR ELEVATION	CO	– CLEANOUT
FND.	– FOUND	DMH	– DRAINAGE MANHOLE
F.P.L.	– FLORIDA POWER & LIGHT	EB	– ELECTRIC BOX
P.B.	– PLAT BOOK	FH	– FIRE HYDRANT
PG.	– PAGE	HP	– HANDICAP PARKING
O.R.B.	– OFFICIAL RECORDS BOOK	ICV	– IRRIGATION CONTROL VALVE
R/W	– RIGHT–OF–WAY	LP	– LIGHT POLE
TYP.	– TYPICAL	PP	– POWER POLE
		SMH	– SANITARY MANHOLE
		SIGN	– SIGN
		V	– VALVE
		WM	– WATER METER
		YD	– YARD DRAIN

SCHEDULE B–II EXCEPTIONS

EASTERN NATIONAL TITLE AGENCY FLORIDA, LLC
FILE NUMBER: FLX1243
COMMITMENT DATE: SEPTEMBER 30, 2020 AT 8:00AM

9. DECLARATION OF COVENANTS, CONDITIONS, RESTRICTIONS AND EASEMENTS, RECORDED IN DEED BOOK 61, PAGE 433 , BUT DELETING ANY COVENANT, CONDITION OR RESTRICTION INDICATING A PREFERENCE, LIMITATION OR DISCRIMINATION BASED ON RACE, COLOR, RELIGION, SEX, HANDICAP, FAMILIAL STATUS OR NATIONAL ORIGIN TO THE EXTENT SUCH COVENANTS, CONDITIONS OR RESTRICTIONS VIOLATE 42 USC 3604(C). (DOES AFFECT. PLOTTTED HEREON).

10. REQUIRED RIGHT–OF–WAY OF THE LAKE WORTH DRAINAGE DISTRICT CANAL NO. , AS MAY BE DISCLOSED BY AERIAL MAPS REFERENCED BY AFFIDAVIT RECORDED IN BOOK 1732, PAGE 612 AND ANY RIGHTS, TITLE OR INTEREST OF SAID DISTRICT ACQUIRED PURSUANT TO CHANCERY CASE NO. 407, AS RECORDED IN BOOK 6495, PAGE 761, BOOK 6495, PAGE 1165, BOOK 6495, PAGE 1545 AND BOOK 6495, PAGE 1554. (DOES AFFECT. ABANDONED IN BOOK 18441 PAGE 668).

11. RESTRICTIONS, DEDICATIONS, CONDITIONS, RESERVATIONS, EASEMENTS AND OTHER MATTERS SHOWN ON THE PLAT OF PLAT IV GREENLAND, AS RECORDED IN PLAT BOOK 4, PAGE(S) 6, BUT DELETING ANY COVENANT, CONDITION OR RESTRICTION INDICATING A PREFERENCE, LIMITATION OR DISCRIMINATION BASED ON RACE, COLOR, RELIGION, SEX, HANDICAP, FAMILIAL STATUS OR NATIONAL ORIGIN TO THE EXTENT SUCH COVENANTS, CONDITIONS OR RESTRICTIONS VIOLATE 42 USC 3604(C). (DOES AFFECT. PROVIDES PUBLIC ROAD ACCESS BY WAY OF BOATMAN STREET. PLOTTED HEREON)

12. EASEMENT GRANTED TO LAKE WORTH DRAINAGE DISTRICT BY INSTRUMENT RECORDED IN BOOK 18441, PAGE 672. (DOES AFFECT. PLOTTED HEREON).

13. STANDARD POTABLE WATER AND WASTEWATER DEVELOPMENT AGREEMENT AS SET FORTH IN INSTRUMENT RECORDED IN BOOK 20775, PAGE 1437. (DEOS AFFECT. NOT PLOTTTED. BLANKET IN NATURE).

14. CONTRACT FOR THE SALE AND PURCHASE OF DEVELOPMENT RIGHTS RECORDED IN BOOK 21710, PAGE 1745. (DOES AFFECT. NOT PLOTTED. BLANKET IN NATURE).

NOTES

1. SURVEY MAP OR THE COPIES THEREOF ARE NOT VALID WITHOUT THE SIGNATURE AND THE ORIGINAL SEAL OF A FLORIDA LICENSED PROFESSIONAL LAND SURVEYOR.
2. LANDS SHOWN HEREON WERE ABSTRACTED BY EASTERN NATIONAL TITLE AGENCY FLORIDA, LLC, FILE NUMBER FLX1243, WITH A COMMITMENT DATE SEPTEMBER 30, 2020 AT 8:00AM. TITLE EXCEPTIONS WERE REVIEWED BY THIS OFFICE AND ALL PLOTTABLE EXCEPTIONS ARE SHOWN HEREON.
3. ELEVATIONS SHOWN HEREON ARE RELATIVE TO THE NATIONAL GEODETIC VERTICAL DATUM OF 1929.
4. BEARINGS SHOWN HEREON ARE REFERENCED TO THE NORTH – SOUTH QUARTER SECTION LINE OF SECTION 24, TOWNSHIP 44 SOUTH, RANGE 42 EAST, PALM BEACH COUNTY, FLORIDA, HAVING A BEARING OF SOUTH 87°34'43" EAST
5. THE "DESCRIPTION" SHOWN HEREON IS IN ACCORD WITH THE DESCRIPTION PROVIDED BY THE CLIENT.
6. UNDERGROUND FOUNDATIONS WERE NOT LOCATED.
7. ADDITIONS OR DELETIONS TO SURVEY MAPS BY OTHER THAN THE SIGNING PARTY OR PARTIES IS PROHIBITED WITHOUT WRITTEN CONSENT OF THE SIGNING PARTY OR PARTIES.
8. FLOOD ZONE: "X"; FLOOD INSURANCE RATE MAP NO. 12099C 0558 F AND 12099C 0776 F; COMMUNITY NO. 120223; DATE: OCTOBER 5, 2017.
9. BENCHMARK ORIGIN DESCRIPTION: PALM BEACH COUNTY ENGINEERING DEPARTMENT BENCHMARK "M–28" WITH A PUBLISHED ELEVATION OF 19.86 (NGVD29)
10. PARCEL CONTROL NUMBER: 70–42–44–24–00–000–5670

DESCRIPTION

THE EAST 1/2 OF THE NORTHWEST 1/4 OF THE NORTHWEST 1/4 OF THE SOUTHEAST 1/4 OF SECTION 24,TOWNSHIP 44 SOUTH, RANGE 42 EAST, PALM BEACH COUNTY, FLORIDA.

SAID LANDS SITUATE IN PALM BEACH COUNTY, FLORIDA AND CONTAINING 223,265 SQUARE FEET, OR 5.1255 ACRES, MORE OR LESS.

SUBJECT TO EASEMENTS, RESTRICTIONS, RESERVATIONS, COVENANTS, AND RIGHTS–OF–WAY OF RECORD.

CERTIFICATE:

TO:

K HOVNANIAN
EASTERN NATIONAL TITLE AGENCY FLORIDA, LLC

THIS IS TO CERTIFY THAT THIS MAP OR PLAT AND THE SURVEY ON WHICH IT IS BASED WERE MADE IN ACCORDANCE WITH THE 2016 MINIMUM STANDARD DETAIL REQUIREMENTS FOR ALTA/NSPS LAND TITLE SURVEYS, JOINTLY ESTABLISHED AND ADOPTED BY ALTA AND NSPS, AND INCLUDES ITEMS 1, 2, 3, 4, 5 6 (A), 6(B), 7(A), 8, 9,16, 17, AND 19 OF TABLE A THEREOF. THE FIELD WORK WAS COMPLETED ON 12–20–2020.

DATE OF PLAT OR MAP: 3–4–2021

_____
DAVID P. LINDLEY, PLS
REG. LAND SURVEYOR #5005
STATE OF FLORIDA – LB #3591

BY	DATE	REVISIONS
		FILE NAME: CAUFBOAT_SY01.DWG

CAULFIELD & WHEELER, INC.
CIVIL ENGINEERING – SURVEYING
LANDSCAPE ARCHITECTURE – SURVEYING
7900 GLADES ROAD – SUITE 100
BOCA RATON, FLORIDA 33434
PHONE (561)–392–1991 / FAX (561)–750–1452

BOATMAN HAMMOCK
ALTA/NSPS LAND TITLE SURVEY

DATE	DEC 2020
DRAWN BY	TMS
F.B./ PG.	ELEC.
SCALE	1"=30'

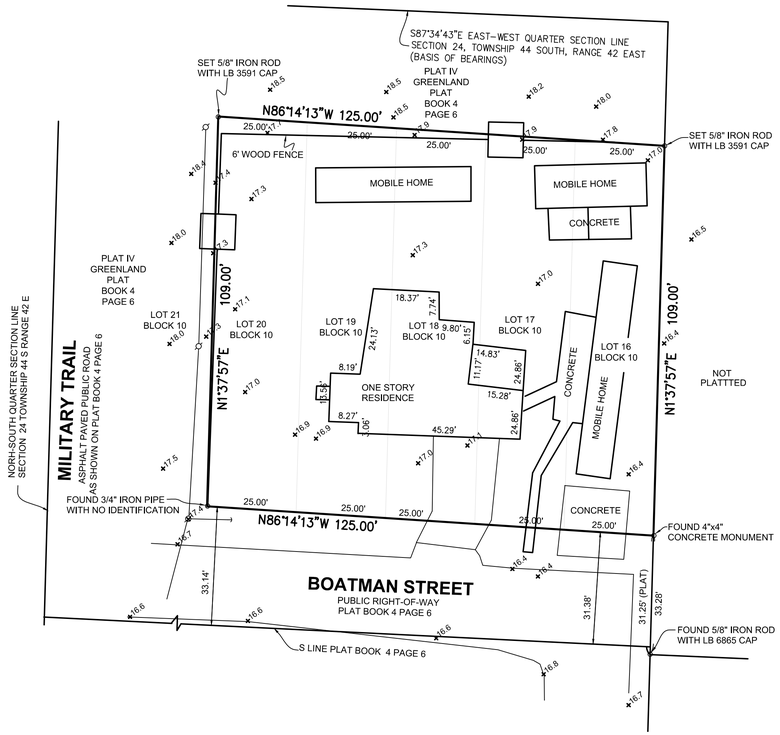
JOB # 9191
SHT.NO. 1
OF 1 SHEETS

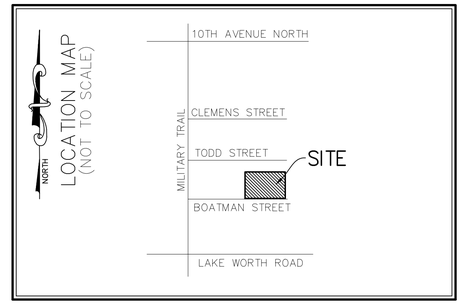
ALTA/NSPS LAND TITLE SURVEY

GRAPHIC SCALE

20 0 10 20 40 80

(IN FEET)
1 INCH = 20 FEET





SURVEYOR'S NOTES AND REPORT:

1. SURVEY MAPS OR THE COPIES THEREOF ARE NOT VALID WITHOUT THE SIGNATURE AND THE ORIGINAL SEAL OF A FLORIDA LICENSED PROFESSIONAL LAND SURVEYOR.
2. LANDS SHOWN HEREON WERE ABSTRACTED BY EASTERN NATIONAL TITLE AGENCY FLORIDA, LLC, FILE NUMBER FLX1243, WITH A COMMITMENT DATE SEPTEMBER 30, 2020 AT 8:00 AM. TITLE EXCEPTIONS WERE REVIEWED BY THIS OFFICE AND ALL PLOTTABLE EXCEPTIONS ARE SHOWN HEREON.
3. BEARINGS SHOWN HEREON ARE REFERENCED TO THE EAST–WEST QUARTER SECTION LINE OF SECTION 24, TOWNSHIP 44 SOUTH, RANGE 42 EAST, PALM BEACH COUNTY, FLORIDA, HAVING A BEARING OF SOUTH 87°34'43" EAST
4. THE "DESCRIPTION" SHOWN HEREON IS IN ACCORD WITH THE DESCRIPTION PROVIDED BY THE CLIENT.
5. UNDERGROUND FOUNDATIONS WERE NOT LOCATED.
6. ADDITIONS OR DELETIONS TO SURVEY MAPS BY OTHER THAN THE SIGNING PARTY OR PARTIES IS PROHIBITED WITHOUT WRITTEN CONSENT OF THE SIGNING PARTY OR PARTIES.
7. FLOOD ZONE: "X"; FLOOD INSURANCE RATE MAP NO. 12099C 0558 F AND 12099C 0776 F; COMMUNITY NO. 120223; DATE: OCTOBER 5, 2017.
8. BENCHMARK ORIGIN DESCRIPTION: PALM BEACH COUNTY ENGINEERING DEPARTMENT BENCHMARK "M–28" WITH A PUBLISHED ELEVATION OF 18.32 FEET (NORTH AMERICAN DATUM OF 1988)
9. PARCEL CONTROL NUMBER: 70424424320100160
10. PROPERTY ADDRESS: 4445 BOATMAN STREET.

DESCRIPTION:

LOTS 16, 17, 18, 19 AND 20, BLOCK 10, GREENLAND PLATY NO. 4, ACCORDING TO THE PLAT RECORDED IN PLAT BOOK 4, PAGE 6, PUBLIC RECORDS OF PALM BEACH COUNTY, FLORIDA.

CONTAINING 13,616 SQUARE FEET OR 0.313 ACRES, MORE OR LESS.

CERTIFICATE:

TO:

K. HOVNANIAN HOMES
EASTERN NATIONAL TITLE AGENCY FLORIDA, LLC

THIS IS TO CERTIFY THAT THIS MAP OR PLAT AND THE SURVEY ON WHICH IT IS BASED WERE MADE IN ACCORDANCE WITH THE 2016 MINIMUM STANDARD DETAIL REQUIREMENTS FOR ALTA/NSPS LAND TITLE SURVEYS, JOINTLY ESTABLISHED AND ADOPTED BY ALTA AND NSPS, AND INCLUDES ITEMS 1, 2, 3, 4, 5 6(a), 6(b), 7(a), 8, 9,16, 17, AND 19 OF TABLE A THEREOF. THE FIELD WORK WAS COMPLETED ON 2–20–2021.

DATE OF PLAT OR MAP: 2–20–2021

_____
DAVID P. LINDLEY, PLS
REGISTERED LAND SURVEYOR #5005
STATE OF FLORIDA – LB #3591

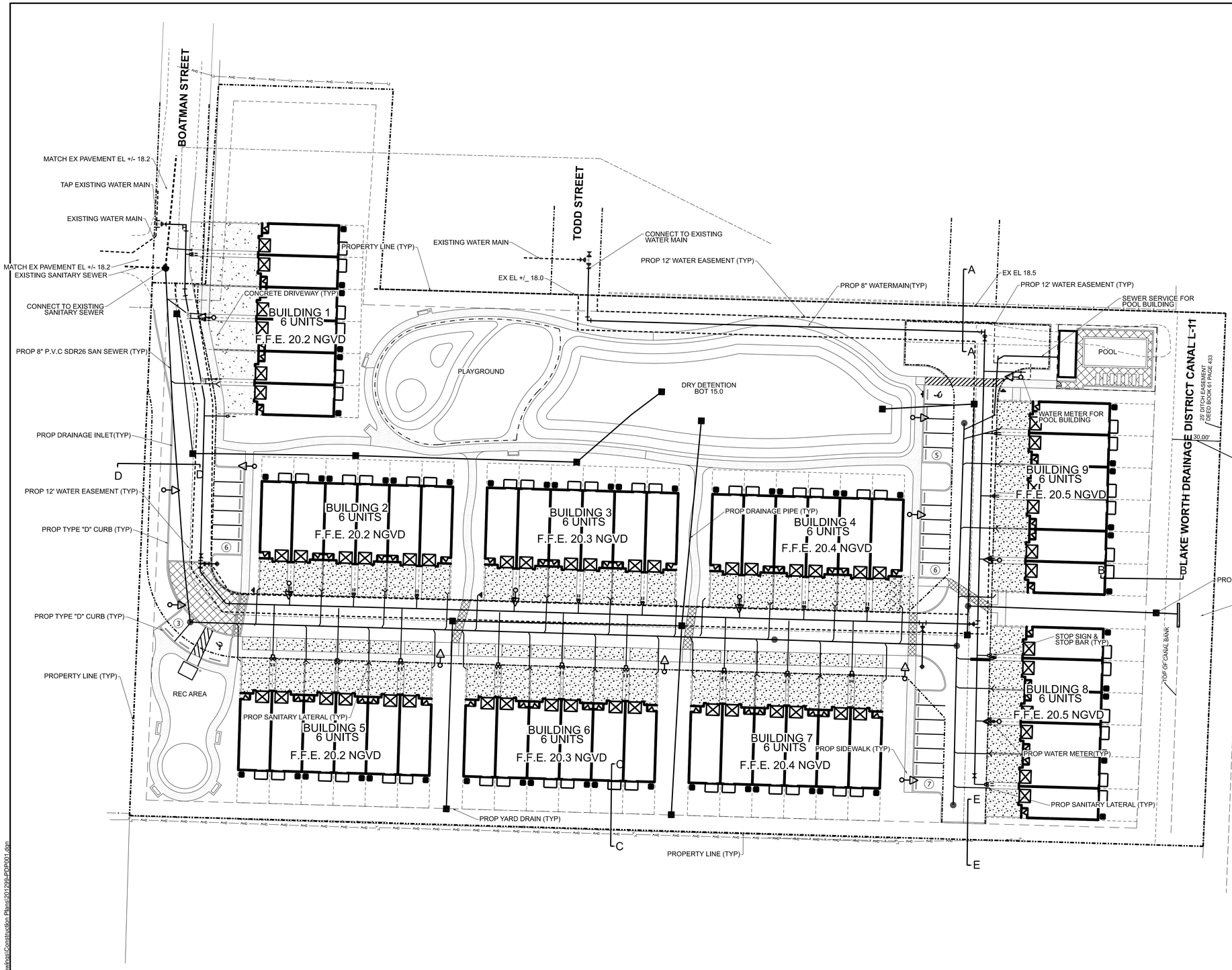
		DATE	BY
REVISIONS			
FILE NAME 9191 ALTA Additional parcel-R			

CAULFIELD & WHEELER, INC.
CIVIL ENGINEERING – SURVEYING
LANDSCAPE ARCHITECTURE – SUITE 100
7900 GLADES ROAD – SUITE 100
BOCA RATON, FLORIDA 33434
PHONE (561)-392-1991 / FAX (561)-750-1452

BOATMAN HAMMOCK
ALTA/NSPS LAND TITLE SURVEY

DATE	2/20/21
DRAWN BY	U.K.
F.B./ PG.	ELECT.
SCALE	1" = 20'

JOB # 9191
SHT.NO. 1
OF 1 SHEETS



N

0 30 60

FEET

SCALE: 1"=30'

- PROPOSED LIGHTING
- PROPOSED ADA STALL
- PROPOSED CONCRETE SIDEWALK
- PROPOSED ASPHALT PAVEMENT
- 10'X10' SIGHT TRIANGLE
- FLOW DIRECTION
- 6.40 PROPOSED GRADE
- EXISTING GRADE
- SEWER / DRAINAGE MANHOLE
- DRAINAGE INLET
- YARD DRAIN BASIN
- DOUBLE SEWER SERVICE
- SINGLE SEWER SERVICE
- FIRE HYDRANT ASSEMBLY
- TAPPING SLEEVE & VALVE
- DOUBLE WATER METER
- SINGLE WATER METER
- GATE VALVE
- EXISTING VALVE
- EXISTING FIRE HYDRANT ASSEMBLY
- 1 BACTERIOLOGICAL SAMPLING POINT
- R.C.P. REINFORCED CONCRETE PIPE
- H.D.P.E. HIGH DENSITY POLYETHYLENE PIPE
- C.A.P. CORRUGATED ALUMINUM PIPE
- W.M. WATER MAIN
- G.V. GATE VALVE
- F.H. FIRE HYDRANT
- R.E. RIM ELEVATION
- I.E. INVERT ELEVATION
- E.O.P. EDGE OF PAVEMENT
- P.R.B. POLLUTION RETARDANT BAFFLE
- D.W.E. DESIGN WATER ELEVATION
- TREE TO REMAIN (SEE LANDSCAPE PLAN)
- PIPE CONFLICT BOX

INV TOP PIPE
TOP OF BOTTOM PIPE

D=DRAINAGE
W=WATER
S= SEWER
FM=FORCE MAIN
CN=CONDUIT

ELEVATIONS REFERENCED HEREON REFER TO NATIONAL GEODETIC VERTICAL DATUM OF 1929 (NAVD 29)

THIS ITEM HAS BEEN DIGITALLY SIGNED AND SEALED BY ZACHARY TODD, P.E., ON 4/15/2021USING A DIGITAL SIGNATURE

PRINTED COPIES OF THIS DOCUMENT ARE NOT CONSIDERED SIGNED AND SEALED AND THE SIGNATURE MUST BE VERIFIED ON ANY ELECTRONIC COPIES

NO	DATE	BY	REVISIONS

HSQ GROUP, INC.
Engineers · Planners · Surveyors
1001 Yamato Road Suite 105
Boca Raton, Florida 33431 · 561-392-0221

BOATMAN HAMMOCK

COMPOSITE PLAN

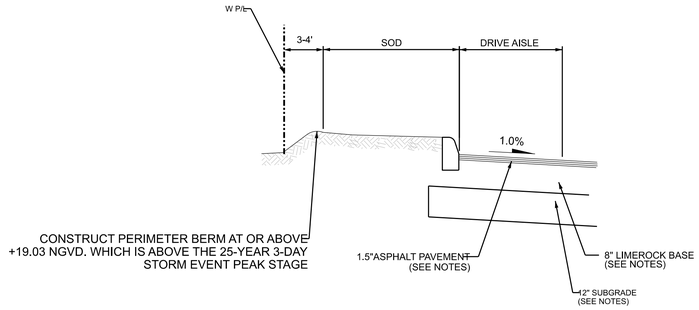
DATE:	01/08/20
DESIGNED BY:	ZT
DRAWN BY:	SG
CHECKED BY:	ZT

ZACHARY TODD LICENSE No 84179 STATE OF FLORIDA PROFESSIONAL ENGINEER

DATE: 01/07/21
ZACHARY TODD, P.E.
FLORIDA REGISTRATION NO. – 84179

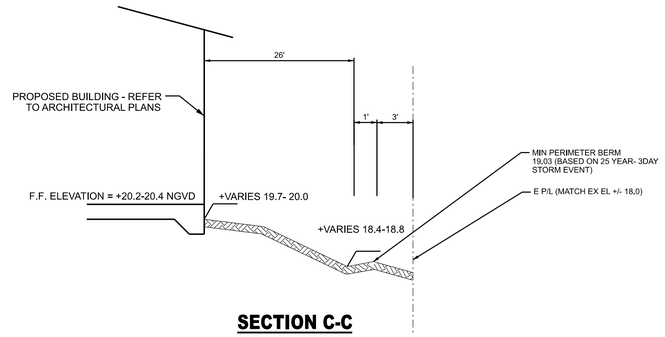
PROJECT:	2012-99
SHEET:	CP-1

Z:\Projects\2020\2012\99-BOATMAN HAMMOCK\Drawings\Construction Plans\2012\99-PDP001.dgn



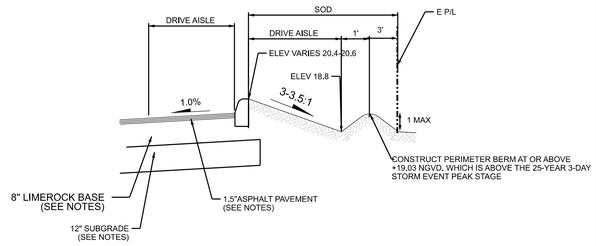
SECTION A-A

N.T.S.



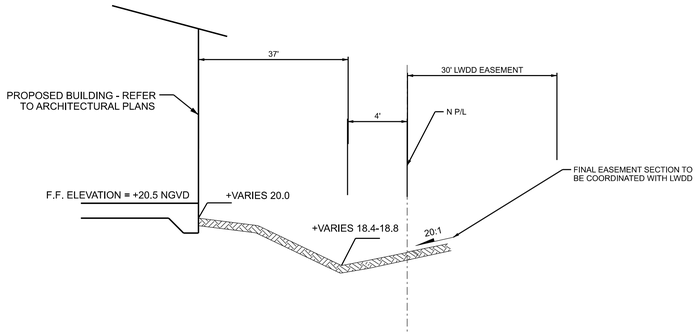
SECTION C-C

N.T.S.



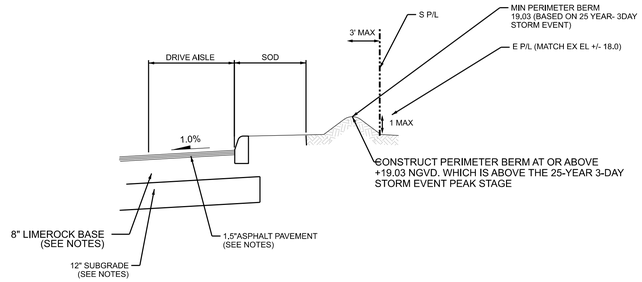
SECTION E-E

N.T.S.



SECTION B-B

N.T.S.

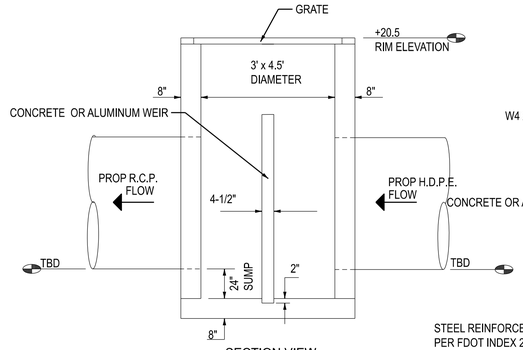


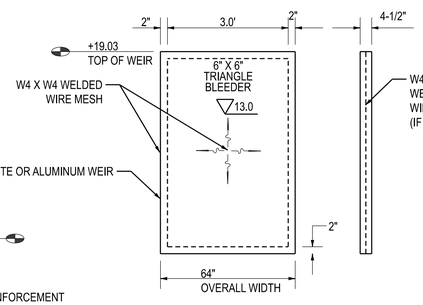
SECTION D-D

N.T.S.

TYPE "D" CONCRETE CURB DETAIL

N.T.S.



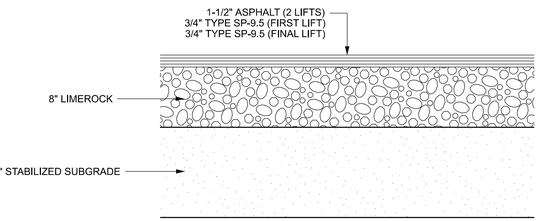


CONTROL STRUCTURE DETAIL (NGVD 1929)

N.T.S.

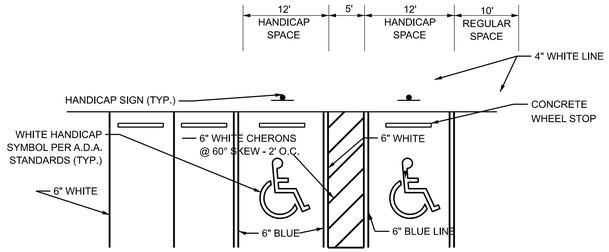
SIGNING & PAVEMENT MARKING NOTES

1. INSTALL ALL NECESSARY PAVEMENT MARKINGS AND SIGNS IN ACCORDANCE WITH THE TRAFFIC OPERATIONS STANDARDS, FLORIDA DEPARTMENT OF TRANSPORTATION AND THE MANUAL OF UNIFORM TRAFFIC CONTROL DEVICES (M.U.T.C.D.).
2. ALL PAVEMENT MARKINGS LOCATED WITHIN THE PUBLIC RIGHT-OF-WAY SHALL BE INSTALLED USING THERMOPLASTIC PAINT.
3. ALL PAVEMENT MARKINGS LOCATED WITHIN PRIVATE PROPERTY SHALL BE INSTALLED USING REFLECTORIZED PAINT.
4. ALL TRAFFIC SIGNS SHALL BE CONSTRUCTED USING HIGH INTENSITY REFLECTORIZED MATERIAL.
5. INSTALL BLUE PAVEMENT REFLECTOR IN FRONT OF EACH FIRE HYDRANT LOCATED AT CENTER OF ADJACENT DRIVEWAY.



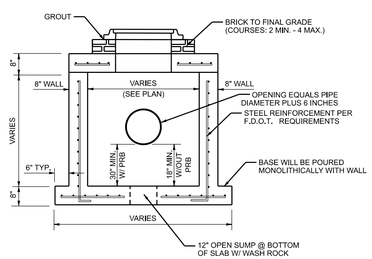
ASPHALT SECTION (PRIVATE ROADWAY)

N.T.S.

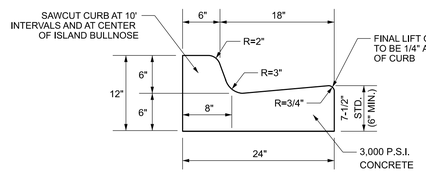


TYPICAL PARKING STALL DETAIL

N.T.S.



MANHOLE / CATCH BASIN DETAIL
N.T.S.



TYPE "F" CURB & GUTTER DETAIL

N.T.S. - PER F.D.O.T. INDEX 300

ELEVATIONS REFERENCED HEREON REFER TO
NATIONAL GEODETIC VERTICAL DATUM OF 1929 (NAVD 29)

THIS ITEM HAS BEEN DIGITALLY SIGNED AND SEALED BY ZACHARY TODD, P.E., ON 4/16/2021 USING A DIGITAL SIGNATURE

PRINTED COPIES OF THIS DOCUMENT ARE NOT CONSIDERED SIGNED AND SEALED AND THE SIGNATURE MUST BE VERIFIED ON ANY ELECTRONIC COPIES

NO	DATE	BY	REVISIONS
1			

HSQ GROUP, INC.
Engineers · Planners · Surveyors
9961 Northwest 117st Drive, Suite 4
Miami, Florida 33178 · 786.534.3821
C26258 · LB7924

BOATMAN HAMMOCK

PAVING AND DRAINAGE DETAILS

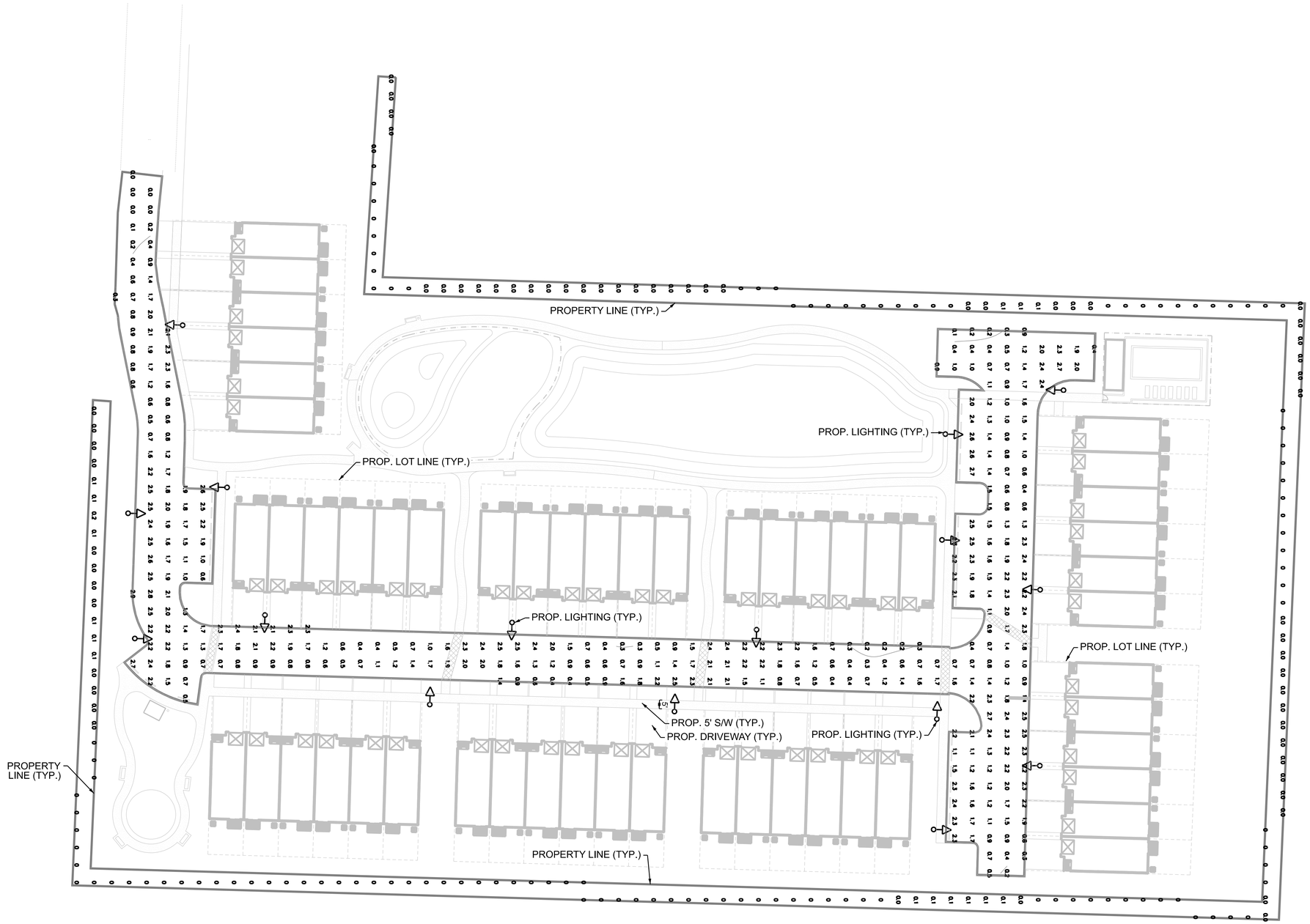
DATE:	03/18
DESIGNED BY:	ZT
DRAWN BY:	SG
CHECKED BY:	ZT

ZACHARY TODD LICENSE No 84179 STATE OF FLORIDA PROFESSIONAL ENGINEER

DATE: 4/16/2021
ZACHARY TODD, P.E.
FLORIDA REGISTRATION NO. – 84179

PROJECT:	2012-99
SHEET:	CP-2

\\Vainy\Projects\2020\2012199-BOATMAN HAMMOCK\Drawings\Construction Plans\2012199-PPD001.dgn

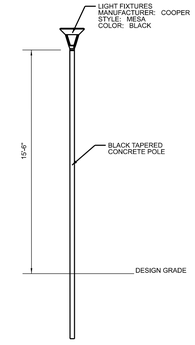


N

0 30 60

FEET

SCALE: 1"=30'



LIGHT POLE DETAIL

GENERAL NOTES

1. THE ABOVE LIGHT POLE DETAIL IS FOR REFERENCE PURPOSES ONLY. REFER TO THE MANUFACTURER'S SPECIFICATIONS FOR THE ACTUAL CONSTRUCTION AND INSTALLATION INFORMATION.
2. THE EXACT LOCATIONS OF THE NEW LIGHT POLES ARE TO BE FIELD ADJUSTED AS REQUIRED, IN ORDER TO AVOID CONFLICTS WITH EXISTING AND PROPOSED UTILITIES, CONCRETE CURBS, SIDEWALKS, ETC., THE LIGHT POLES MUST MAINTAIN A MINIMUM OF 2.5 FEET FROM THE EDGE OF PAVEMENT
3. ALL NEW LIGHT POLES ARE TO BE MANUFACTURED AND INSTALLED TO WITHSTAND CURRENT CODE WIND LOADS PER THE FLORIDA BUILDING CODE.

Onsite Lighting	
AVERAGE FOOT-CANDLES	1.42
MAXIMUM FOOT-CANDLES	2.9
MINIMUM FOOT-CANDLES	0.0
MINIMUM TO MAXIMUM FC RATIO	0.00
MAXIMUM TO MINIMUM FC RATIO	227.53
AVERAGE TO MINIMUM FC RATIO	113.16

Offsite Lighting	
AVERAGE FOOT-CANDLES	0.01
MAXIMUM FOOT-CANDLES	0.2
MINIMUM FOOT-CANDLES	0.0
MINIMUM TO MAXIMUM FC RATIO	0.00
MAXIMUM TO MINIMUM FC RATIO	0.16 / 0.00
AVERAGE TO MINIMUM FC RATIO	0.01 / 0.00

LUMINAIRE SCHEDULE

CALLOUT	SYMBOL	LAMP	DESCRIPTION	MODEL	QUANTITY	TOTAL LUMENS
Meso E06		(1) (63) 4000K CCT, 70 CRI LEDs	MESA DECORATIVE LED LUMINAIRE(3) LIGHTBARS WITH AccuLED OPTICS - TYPE 3 AREA	COOPER LIGHTING SOLUTIONS - STREETWORKS (FORMERLY EATON), PMM-E03-LED-E-U-T3	16	7456

NO	DATE	BY	REVISIONS

HSQ GROUP, INC.
Engineers · Planners · Surveyors
9961 Northwest 112nd Drive, Suite 4
Miami, Florida 33178 · 786.534.3821
C26258 - LB7924

BOATMAN HAMMOCK

PHOTOMETRIC PLANS

DATE:	01/21
DESIGNED BY:	ZT
DRAWN BY:	SG
CHECKED BY:	ZT

ZACHARY TODD LICENSE No 84179 STATE OF FLORIDA PROFESSIONAL ENGINEER

DATE: 4/16/2021
ZACHARY TODD, P.E.
FLORIDA REGISTRATION NO. - 84179

PROJECT:	2012-99
SHEET:	PH-1

Z:\Projects\2020\2012\99-BOATMAN HAMMOCK\Drawings\Lighting\2012\99-PH001.dgn

Invue

Catalog #		Type	
Project			
Comments		Date	
Prepared by			

DESCRIPTION

The geometric form of MESA LED luminaire allows it to adapt to either contemporary or traditional architectural settings. Available in single or twin pole mount configurations with optional wall mounting capability, the MESA LED luminaire's mounting options allow for harmonized site design whether at the entryway or in the parking lot. UL/cUL listed for use in wet locations.

SPECIFICATION FEATURES

Construction
HOUSING: Die-cast aluminum main housing and spider mount base maintain a minimum 0.125 wall thickness. Integral aluminum heat sink provides superior thermal heat transfer in +40°C ambient environments. DOOR ASSEMBLY: Top mounted, heavy wall, die-cast aluminum door maintains a nominal 0.125 thickness. Door includes a self-retaining interior hinge. GASKET: Continuous silicone gasket provided to seal housing door assembly and optic tray. LENS: Downlight lens is LED board integrated acrylic over-optics, each individually sealed for IP66 rating. HARDWARE: Four tinset fasteners on underside of housing provide access to luminaire interior. Concealed, stainless steel four bar hinge lock allows door to lock in the open position.

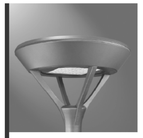
Optics
Choice of twelve patented, high-efficiency AccuLED Optic™ technology manufactured from injection-molded acrylic. Optics are precisely designed to shape the light output, maximizing efficiency and application spacing. AccuLED Optic technology, creates consistent distributions with the scalability to meet customized application requirements. Offered Standard in 4000K (+/- 275K) CCT and minimum 70 CRI. Optional 3000K CCT and 5000K CCT. For the ultimate level of spill light control, an optional house-side shield accessory can be field or factory installed. The house-side shield is designed to seamlessly integrate with the SL2, SL3 or SL4 optics. LightBAR optic tray is removable and able to rotate 360° in 90° increments for specific placement of the distribution relative to fixture.

Electrical
LED drivers mount to die-cast aluminum back housing for optimal heat sinking, operation efficacy, and prolonged life. Standard drivers feature electronic universal voltage (120-277V 50/60Hz), 347V 60Hz or 480V 60Hz operation, greater than 0.9 power factor, less that 20% harmonic distortion, and is suitable for operation in -40°C to 40°C ambient environments. All fixtures are shipped standard with 10kV/10kA common – and differential – mode surge protection. LightBARs feature and IP66 enclosure rating and maintain greater than 95% lumen maintenance at 60,000 hours per IESNA TM-21. Occupancy sensor and dimming options available.

Mounting
Fitter assembly mounts over 3" O.D. tenon and is secured via three concealed stainless steel set screws. Design of fitter provides seamless transition to 4" round poles. Additional mounting accessories include a dual fixture post top mounting arm and wall mount arm.

Finish
Housing is finished in five-stage super TGIC polyester powder coat paint, 2.5 mil nominal thickness for superior protection against fade and wear. LightBAR™ cover plates are standard white and may be specified to match finish of luminaire housing. Standard colors include black, bronze, grey, white, dark platinum and graphite metallic. RAL and custom color matches available. Consult Outdoor Architectural Colors brochure for a complete selection.

Warranty
Five-year warranty.

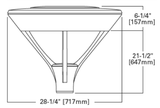


MSA MESA LED

1-6 LightBARs
Solid State LED

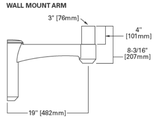
DECORATIVE LUMINAIRE

DIMENSIONS

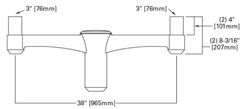


MOUNTING ACCESSORIES

WALL MOUNT ARM



DUAL MOUNT ARM (EPA 1.36)



CERTIFICATION DATA

UL/cUL Listed
ISO 9001
IP66 LightBARs
LM79 / LM80 Compliant
2G Vibration Tested

ENERGY DATA

Electronic LED Driver
>0.9 Power Factor
<20% Total Harmonic Distortion
120-277V/50 & 60Hz, 347V/60Hz, 480V/60Hz
-40°C Minimum Temperature
40°C Ambient Temperature Rating

EPA

Effective Projected Area: (Sq. Ft.)
Single Mount 1.1

SHIPPING DATA

Approximate Net Weight:
50 lbs. (22.7 kgs.)

MSA MESA LED

POWER AND LUMENS BY BAR COUNT (21 LED LIGHTBARS)

Number of LightBARs		E01	E02	E03	E04	E05	E06
Drive Current		350mA Drive Current					
Power (Watts)		25W	52W	75W	97W	127W	150W
Current @ 120V (A)		0.22	0.44	0.63	0.82	1.07	1.26
Current @ 277V (A)		0.10	0.20	0.28	0.36	0.48	0.56
Power (Watts)		31W	58W	82W	99W	132W	159W
Current @ 347V (A)		0.11	0.19	0.28	0.29	0.39	0.48
Current @ 480V (A)		0.09	0.15	0.20	0.21	0.30	0.36
T2	Lumens	2,460	4,920	7,379	9,899	12,299	14,759
	BUG Rating	B1-U0-G1	B2-U0-G2	B2-U0-G2	B3-U0-G3	B3-U0-G3	B3-U0-G3
T3	Lumens	2,485	4,970	7,456	9,941	12,426	14,911
	BUG Rating	B1-U0-G1	B2-U0-G2	B2-U0-G2	B3-U0-G3	B3-U0-G3	B3-U0-G3
T4	Lumens	2,423	4,845	7,268	9,690	12,113	14,535
	BUG Rating	B1-U0-G1	B1-U0-G2	B1-U0-G2	B2-U0-G2	B2-U0-G3	B2-U0-G3
SMQ	Lumens	2,615	5,230	7,844	10,459	13,074	15,689
	BUG Rating	B2-U0-G1	B3-U0-G1	B3-U0-G1	B3-U0-G2	B4-U0-G2	B4-U0-G2
SWQ	Lumens	2,604	5,207	7,811	10,415	13,018	15,622
	BUG Rating	B2-U0-G1	B3-U0-G1	B3-U0-G2	B4-U0-G2	B4-U0-G2	B4-U0-G2
SXQ	Lumens	2,603	5,206	7,809	10,412	13,015	15,618
	BUG Rating	B2-U0-G1	B3-U0-G2	B3-U0-G2	B4-U0-G3	B4-U0-G3	B4-U0-G3
SL2	Lumens	2,445	4,891	7,336	9,781	12,226	14,672
	BUG Rating	B1-U0-G1	B1-U0-G1	B2-U0-G2	B2-U0-G2	B2-U0-G2	B3-U0-G3
SL3	Lumens	2,461	4,921	7,382	9,842	12,303	14,763
	BUG Rating	B1-U0-G1	B1-U0-G2	B2-U0-G2	B2-U0-G2	B2-U0-G2	B3-U0-G3
SL4	Lumens	2,376	4,752	7,128	9,504	11,880	14,256
	BUG Rating	B1-U0-G1	B1-U0-G2	B1-U0-G2	B2-U0-G2	B2-U0-G3	B2-U0-G3
RW	Lumens	2,398	4,796	7,194	9,591	11,989	14,387
	BUG Rating	B1-U0-G1	B2-U0-G2	B3-U0-G3	B3-U0-G3	B3-U0-G3	B4-U0-G4
SLL/SLR	Lumens	2,227	4,453	6,680	8,906	11,133	13,360
	BUG Rating	B1-U1-G1	B1-U1-G2	B1-U1-G3	B1-U1-G3	B2-U2-G3	B2-U2-G4

LUMEN MAINTENANCE

Ambient Temperature	25,000 Hours*	50,000 Hours*	60,000 Hours*	100,000 Hours	Theoretical L70 (Hours)
25°C	> 99%	> 97%	> 96%	> 93%	> 450,000
40°C	> 98%	> 97%	> 96%	> 92%	> 425,000
50°C	> 97%	> 96%	> 95%	> 91%	> 400,000

* Per IESNA TM-21 data.

LUMEN MULTIPLIER

Ambient Temperature	Lumen Multiplier
10°C	1.02
15°C	1.01
25°C	1.00
40°C	0.99
50°C	0.96

MSA MESA LED

ORDERING INFORMATION

Sample Number: MSA-E06-LED-E1-T3-GM

Product Family	Number of LightBARs [1,2]	Lamp Type	Voltage	Distribution	Color [3]
MSA=Mesa	E01=(1) 21 LED LightBAR [3] E02=(2) 21 LED LightBARs E03=(3) 21 LED LightBARs E04=(4) 21 LED LightBARs E05=(5) 21 LED LightBARs E06=(6) 21 LED LightBARs F01=(1) 7 LED LightBAR [3] F02=(2) 7 LED LightBARs F03=(3) 7 LED LightBARs F04=(4) 7 LED LightBARs F05=(5) 7 LED LightBARs F06=(6) 7 LED LightBARs	LED=Solid State Light Emitting Diodes	E1=Electronic (120-277V) [4] 347=347V 480=480V [4]	T2=Type II T3=Type III T4=Type IV SL2=Type II w/Spill Control SL3=Type III w/Spill Control SL4=Type IV w/Spill Control RW=Rectangular Wide SMQ=Type V Square Medium SWQ=Type V Square Wide SXQ=Type V Square Extra Wide SLL=90° Spill Light Eliminator Left SLR=90° Spill Light Eliminator Right	AP=Grey BZ=Bronze BK=Black DP=Dark Platinum GM=Graphite Metallic WH=White

Options (Add as Suffix)	Accessories (Order Separately) [9]
PC=Button Type Photocontrol (Specify Voltage) R=NEMA Twistlock Photocontrol Receptacle ZL=Two Circuits [4] LCE=LightBAR Cover Plate Matches Housing Finish 7030=70 CRI / 3000K CCT [1] 7050=70 CRI / 5000K CCT [1] 8030=80 CRI / 3000K CCT [1] ICB=Integral Cold Weather Battery Pack (Specify 120 or 277V) [4] LWR-LW=LumaWatt Pro Wireless Sensor, Wide Lens for 8' - 16' Mounting Height [5] LWR-LN=LumaWatt Pro Wireless Sensor, Narrow Lens for 16' - 40' Mounting Height [5] HSS=Factory Installed House Side Shield [6] MS/DIM-L06=Motion Sensor for Dimming Operation, Maximum 8' Mounting Height [5, 12, 13, 14, 15] MS/DIM-L20=Motion Sensor for Dimming Operation, 9' - 20' Mounting Height [5, 12, 13, 14, 16] MS/DIM-L40W=Motion Sensor for Dimming Operation, 21' - 40' Mounting Height (Wide Range) [5, 12, 13, 14, 17]	VA6029-XX=Dual Mount Arm (EPA 1.36) VA6029-XX=Wall Mount Arm OA/RA1016=NEMA Photocontrol - Multi-Tap OA/RA1027=NEMA Photocontrol - 480V OA/RA1201=NEMA Photocontrol - 347V MA1253=10kV Circuit Module Replacement LB/HSS-21=Field Installed House Side Shield for "E" LightBARs [6, 18] LB/HSS-07=Field Installed House Side Shield for "F" LightBARs [6, 18]

NOTES:
1. Standard 4000K CCT and nominal 70 CRI.
2. 21 LED LightBAR powered at 350mA, 7 LED LightBAR powered at 1A.
3. Streetside orientation 90° to LightBAR.
4. Only for use with 480V/Wye systems. Per NEC, not for use with ungrounded systems, impedance grounded systems or corner grounded systems (commonly known as Three Phase Three Wire Delta, Three Phase High Leg Delta and Three Phase Corner Grounded Delta systems).
5. Custom and RAL color matching available upon request. Consult your lighting representative at Eaton for more information.
6. Low-level output varies by bar count. Consult factory. Not available with 347V or 480V. Requires quantity two or more LightBARs.
7. Consult factory for lead times and lumen multiplier.
8. Available with E01-E04 or F01-F04 configurations only. Specify 120V or 277V. LED cold weather integral battery pack is rated for minimum operating temperature -40°F (-20°C). Operates one LightBAR for 90-minutes.
9. Accessories ordered and shipped separately unless otherwise noted. Rated for use in 25°C ambient.
10. LumaWatt wireless sensors are factory installed and require network components LWR-EM-1, LWR-GW-1, and LWR-PoBE in appropriate quantities. See www.eaton.com/lighting for LumaWatt application information.
11. Consult factory for more information.
12. Utilizes internal step-down transformer when 347V or 480V is selected.
13. The FSIR-100 accessory is required to adjust parameters including high and low modes, sensitivity, time delay, cutoff and more. Consult your lighting representative at Eaton for more information.
14. Not available with HA option.
15. Approximately 22' detection diameter at 8' mounting height.
16. Approximately 40' detection diameter at 20' mounting height.
17. Approximately 100' detection diameter at 40' mounting height.
18. Replace XX with color designation.
19. One required for each LightBAR.

NO	DATE	BY	REVISIONS

HSQ GROUP, INC.
Engineers · Planners · Surveyors
9051 Northwest 117th Drive Suite 4
Miami, Florida 33178 · 786.534.3821
C26258 · LB7924

BOATMAN HAMMOCK

PHOTOMETRIC NOTES AND DETAILS

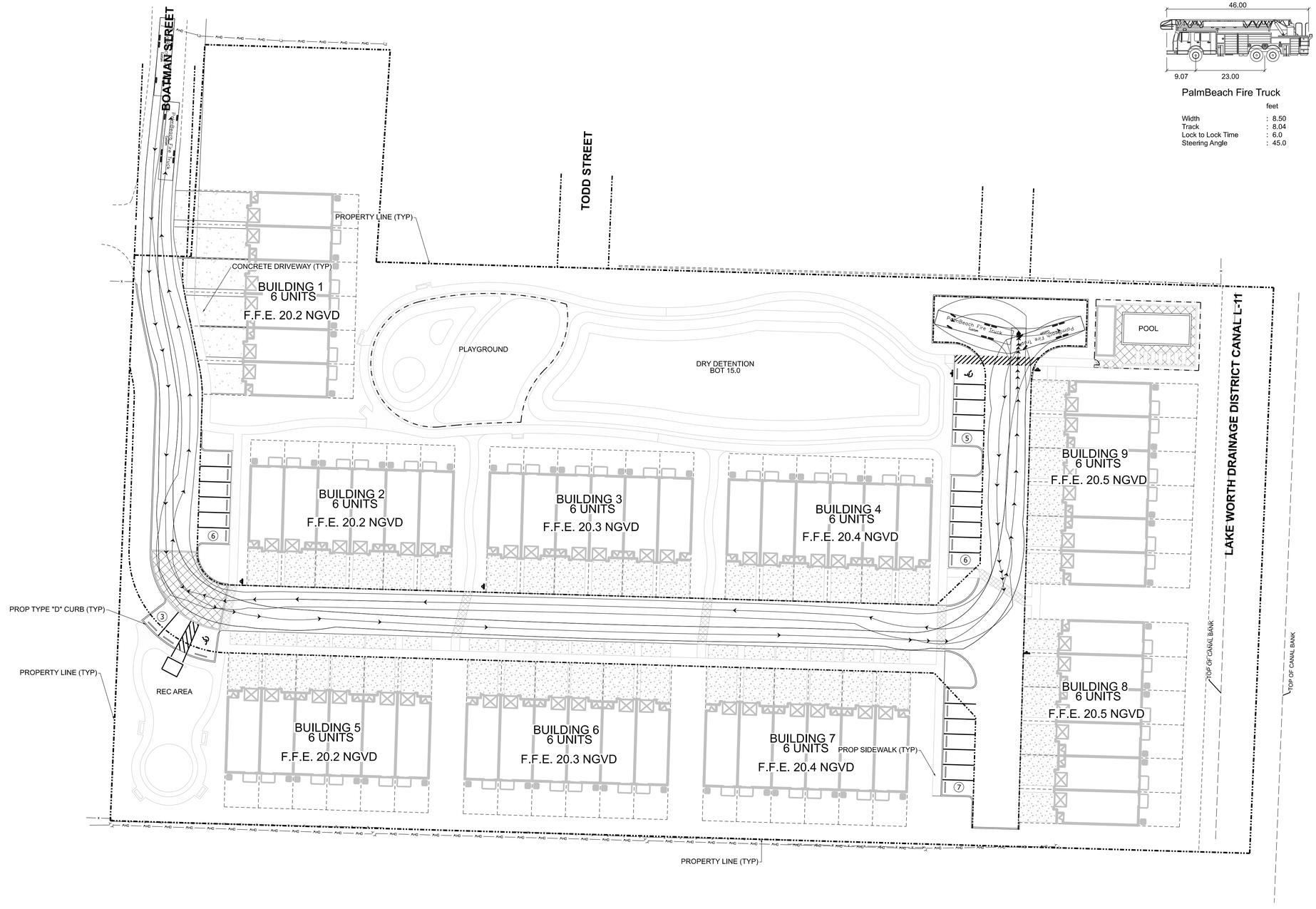
DATE:	01/21
DESIGNED BY:	ZT
DRAWN BY:	SG
CHECKED BY:	ZT

ZACHARY TODD LICENSE No 84179 STATE OF FLORIDA PROFESSIONAL ENGINEER

DATE: 4/16/2021
ZACHARY TODD, P.E.
FLORIDA REGISTRATION NO. – 84179

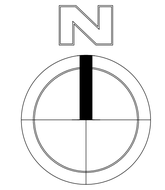
PROJECT:	2012-99
SHEET:	PH-2

Z:\Projects\2020\2012-99-BOATMAN HAMMOCK\Drawings\Lighting\2012-99-PHN001.dgn



PalmBeach Fire Truck

	feet
Width	: 8.50
Track	: 8.04
Lock to Lock Time	: 6.0
Steering Angle	: 45.0



SCALE: 1"=30'

- PROPOSED LIGHTING
- PROPOSED ADA STALL
- PROPOSED CONCRETE SIDEWALK
- PROPOSED ASPHALT PAVEMENT
- 10'X10' SIGHT TRIANGLE
- FLOW DIRECTION
- 6.40 PROPOSED GRADE
- EXISTING GRADE
- SEWER / DRAINAGE MANHOLE
- DRAINAGE INLET
- YARD DRAIN BASIN
- DOUBLE SEWER SERVICE
- SINGLE SEWER SERVICE
- FIRE HYDRANT ASSEMBLY
- TAPPING SLEEVE & VALVE
- DOUBLE WATER METER
- SINGLE WATER METER
- GATE VALVE
- EXISTING VALVE
- EXISTING FIRE HYDRANT ASSEMBLY
- 1 BACTERIOLOGICAL SAMPLING POINT
- R.C.P. REINFORCED CONCRETE PIPE
- H.D.P.E. HIGH DENSITY POLYETHYLENE PIPE
- C.A.P. CORRUGATED ALUMINUM PIPE
- W.M. WATER MAIN
- G.V. GATE VALVE
- F.H. FIRE HYDRANT
- R.E. RIM ELEVATION
- I.E. INVERT ELEVATION
- E.O.P. EDGE OF PAVEMENT
- P.R.B. POLLUTION RETARDANT BAFFLE
- D.W.E. DESIGN WATER ELEVATION
- TREE TO REMAIN (SEE LANDSCAPE PLAN)
- PIPE CONFLICT BOX

INV TOP PIPE
TOP OF BOTTOM PIPE

D=DRAINAGE
W=WATER
S= SEWER
FM=FORCE MAIN
CN=CONDUIT

ELEVATIONS REFERENCED HEREON REFER TO
NATIONAL GEODETIC VERTICAL DATUM OF 1929 (NAVD 29)

THIS ITEM HAS BEEN DIGITALLY SIGNED AND SEALED BY ZACHARY TODD, P.E., ON 4/16/2021 USING A DIGITAL SIGNATURE

PRINTED COPIES OF THIS DOCUMENT ARE NOT CONSIDERED SIGNED AND SEALED AND THE SIGNATURE MUST BE VERIFIED ON ANY ELECTRONIC COPIES

NO	DATE	BY	REVISIONS

HSQ GROUP, INC.
Engineers · Planners · Surveyors
10011 Yamato Road Suite 105
Boca Raton, Florida 33431 · 561-392-0221

BOATMAN HAMMOCK

FIRE TRUCK ROUTING PLAN

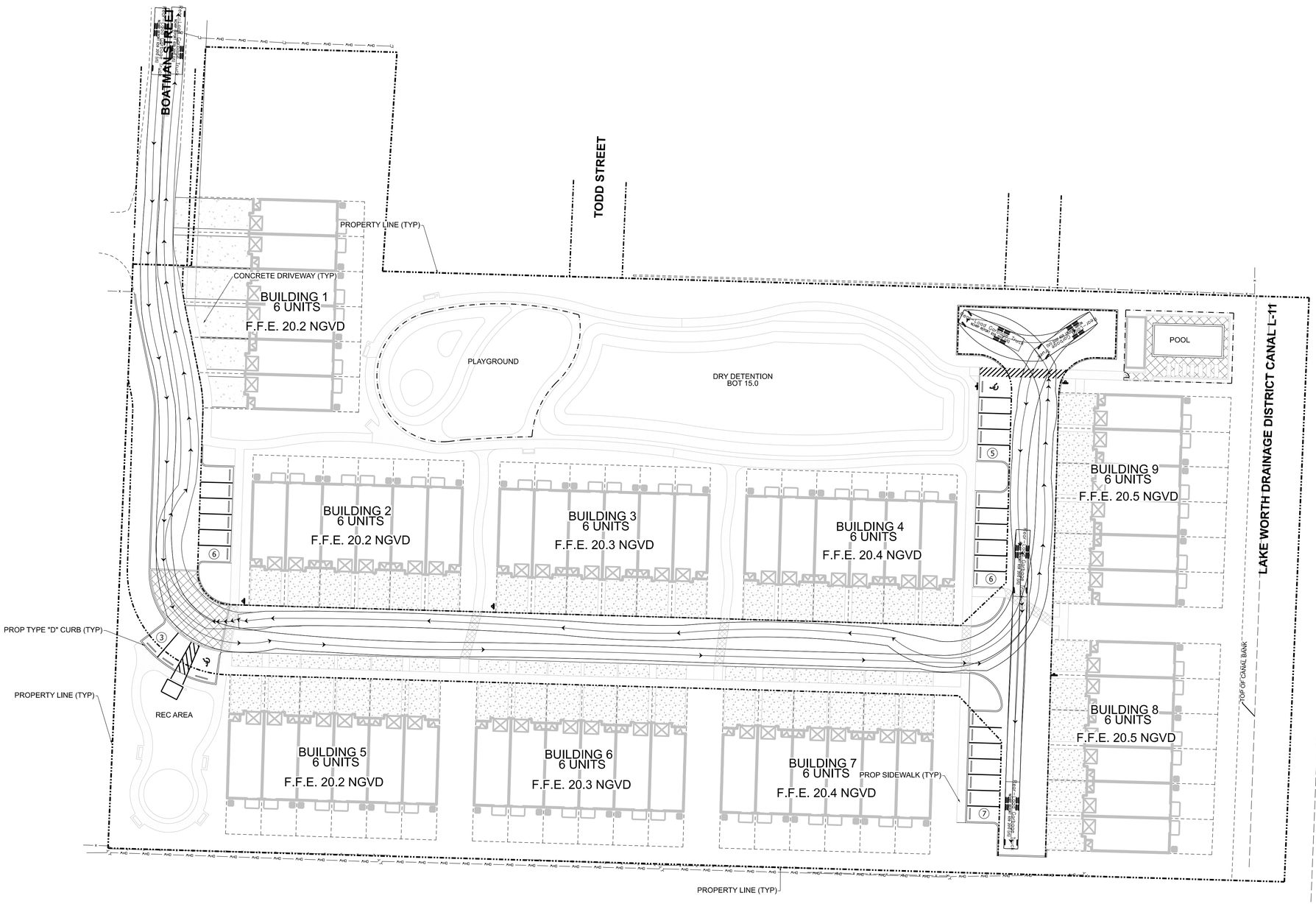
DATE:	04/21
DESIGNED BY:	ZT
DRAWN BY:	SG
CHECKED BY:	ZT

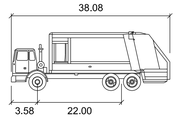
ZACHARY TODD LICENSE No 84179 STATE OF FLORIDA PROFESSIONAL ENGINEER

DATE: 01/07/21
ZACHARY TODD, P.E.
FLORIDA REGISTRATION NO. – 84179

PROJECT:	2012-99
SHEET:	FT-1

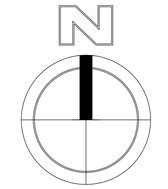
Z:\Projects\2020\2012\99-BOATMAN HAMMOCK\Drawings\Exhibits & Presentations\AutoTurn\2012\99-FT001.dgn





Rear-Load Garbage Truck

	feet
Width	: 8.00
Track	: 8.00
Lock to Lock Time	: 6.0
Steering Angle	: 27.4



SCALE: 1"=30'

- PROPOSED LIGHTING
- PROPOSED ADA STALL
- PROPOSED CONCRETE SIDEWALK
- PROPOSED ASPHALT PAVEMENT
- 10'X10' SIGHT TRIANGLE
- FLOW DIRECTION
- 6.40 PROPOSED GRADE
- EXISTING GRADE
- SEWER / DRAINAGE MANHOLE
- DRAINAGE INLET
- YARD DRAIN BASIN
- DOUBLE SEWER SERVICE
- SINGLE SEWER SERVICE
- FIRE HYDRANT ASSEMBLY
- TAPPING SLEEVE & VALVE
- DOUBLE WATER METER
- SINGLE WATER METER
- GATE VALVE
- EXISTING VALVE
- EXISTING FIRE HYDRANT ASSEMBLY
- 1 BACTERIOLOGICAL SAMPLING POINT
- R.C.P. REINFORCED CONCRETE PIPE
- H.D.P.E. HIGH DENSITY POLYETHYLENE PIPE
- C.A.P. CORRUGATED ALUMINUM PIPE
- W.M. WATER MAIN
- G.V. GATE VALVE
- F.H. FIRE HYDRANT
- R.E. RIM ELEVATION
- I.E. INVERT ELEVATION
- E.O.P. EDGE OF PAVEMENT
- P.R.B. POLLUTION RETARDANT BAFFLE
- D.W.E. DESIGN WATER ELEVATION
- TREE TO REMAIN (SEE LANDSCAPE PLAN)
- PIPE CONFLICT BOX

INV TOP PIPE
TOP OF BOTTOM PIPE

D=DRAINAGE
W=WATER
S= SEWER
FM=FORCE MAIN
CN=CONDUIT

ELEVATIONS REFERENCED HEREON REFER TO
NATIONAL GEODETIC VERTICAL DATUM OF 1929 (NAVD 29)

THIS ITEM HAS BEEN DIGITALLY SIGNED AND SEALED BY ZACHARY TODD, P.E., ON 4/16/2021USING A DIGITAL SIGNATURE

PRINTED COPIES OF THIS DOCUMENT ARE NOT CONSIDERED SIGNED AND SEALED AND THE SIGNATURE MUST BE VERIFIED ON ANY ELECTRONIC COPIES

NO	DATE	BY	REVISIONS

HSQ GROUP, INC.
Engineers · Planners · Surveyors
10011 Yamato Road Suite 105
Boca Raton, Florida 33431 · 561-392-0221

BOATMAN HAMMOCK

GARBAGE TRUCK ROUTING PLAN

DATE:	04/21
DESIGNED BY:	ZT
DRAWN BY:	SG
CHECKED BY:	ZT

ZACHARY TODD LICENSE No 84179 STATE OF FLORIDA PROFESSIONAL ENGINEER

DATE: 01/07/21
ZACHARY TODD, P.E.
FLORIDA REGISTRATION NO. – 84179

PROJECT:	2012-99
SHEET:	FT-2

Z:\Projects\2020\2012\99-BOATMAN HAMMOCK\Drawings\Exhibits & Presentations\AutoTurn\2012\99-FT002.dgn

Department of Engineering and Public Works
P.O. Box 21229
West Palm Beach, FL 33416-1229
(561) 684-4000
FAX: (561) 684-4050
www.pbcgov.com

Palm Beach County Board of County Commissioners
Dave Kerner, Mayor
Robert S. Weinroth, Vice Mayor
Maria G. Marino
Gregg K. Weiss
Maria Sachs
Melissa McKinlay
Mack Bernard

County Administrator
Verdenia C. Baker

March 29, 2021

Adam B. Kerr, P.E.
Kimley-Horn and Associates, Inc.
1920 Wekiva Way, Suite 200
West Palm Beach, FL 33411

RE: Boatman Hammock Residential
Project #: 210310
Traffic Performance Standards Review

Dear Mr. Kerr:

The Palm Beach County Traffic Division has reviewed the **Boatman Hammock Residential** Traffic Impact Statement, dated January 20, 2021, pursuant to the Traffic Performance Standards in Article 12 of the Palm Beach County Unified Land Development Code (ULDC). The project is summarized as follows:

Municipality:	Palm Springs
Location:	North side of Boatman Street, east of Military Trail
PCN:	70-42-44-24-00-000-5670
Access:	Access driveway connection onto Boatman Street (As used in the study and is NOT an approval by the County through this letter)
Existing Uses:	Vacant
Proposed Uses:	Low-rise Multi-Family Residential = 51 DU
New Daily Trips:	373
New Peak Hour Trips:	23 (5/18) AM; 29 (18/11) PM
Build-out:	December 31, 2023

Based on our review, the Traffic Division has determined the proposed development does not have significant peak hour traffic impact (as defined in PBC TPS) on the roadway network; therefore, the project **meets** the Traffic Performance Standards of Palm Beach County.

Please note the receipt of a Traffic Performance Standards (TPS) approval letter does not constitute the review and issuance of a Palm Beach County Right-of-Way (R/W) Construction Permit nor does it eliminate any requirements that may be deemed as site related. For work within Palm Beach County R/W, a detailed review of the project will be provided upon submittal for a R/W permit application. The project is required to comply with all Palm Beach County standards and may include R/W dedication.

No building permits are to be issued by the Village after the build-out date specified above. The County traffic concurrency approval is subject to the Project Aggregation Rules set forth in the Traffic Performance Standards Ordinance.

The approval letter shall be valid no longer than one year from date of issuance, unless an application for a Site Specific Development Order has been approved, an

"An Equal Opportunity Affirmative Action Employer"

printed on sustainable and recycled paper

application for a Site Specific Development Order has been submitted, or the approval letter has been superseded by another approval letter for the same property.

If you have any questions regarding this determination, please contact me at 561-684-4030 or email QBari@pbcgov.org.

Sincerely,

Quazi Bari, P.E., PTOE
Manager – Growth Management
Traffic Division

QB:HA:rb
ec: Addressee
Iramis Cabrera, Interim PZ&B Director, Village of Palm Springs
Hanane Akif, E.I., Project Coordinator II, Traffic Division
Steve Bohovsky, Technical Assistant III, Traffic Division

File: General - TPS - Mun - Traffic Study Review
F:\TRAFFIC\HA\MUNICIPALITIES\APPROVALS\2021\210310 - BOATMAN HAMMOCK RESIDENTIAL.DOCXN

THE SCHOOL DISTRICT OF
PALM BEACH COUNTY, FL

KRISTIN K. GARRISON, AICP
DIRECTOR

WANDA F. PAUL
CHIEF OPERATING OFFICER

PLANNING AND INTERGOVERNMENTAL RELATIONS
3300 FOREST HILL BOULEVARD, SUITE B-102
WEST PALM BEACH, FL 33406

PHONE: 561-434-8020 / FAX: 561-434-8815
WWW.PALMBEACHSCHOOLS.ORG/PLANNING

SCHOOL CAPACITY AVAILABILITY DETERMINATION (SCAD)

Application	**Submittal Date**	03/11/2021		
	SCAD No.	**21030901F/FLU; 21030901Z/Rezoning; 21030901D/D. O.**		
	FLU /Rezoning/D.O. No.	202100218 – Village of Palm Springs		
	Property Control No.	70-42-44-24-00-000-5670 & 70-42-44-24-32-010-0160		
	Development Name	**Boatman Hammock**		
	Owner/Agent Name	WPB Partners LLC / Cotleur & Hearing		
	SAC No.	200A		
	Proposed Amendments Proposed Unit No. & Type	**Max. 54 Residential Units -** Proposed FLU and Re-Zoning **54 Multi-Family Units –** Proposed D. O.		
Impact Review		**C.O. Taylor/Kirklane** Elementary School	**LC Swain** Middle School	**John I. Leonard** High School
	New Students Generated	6	3	4
	Capacity Available	141	**-138**	**-643**
	Utilization Percentage	90%	**110%**	**121%**
School District Staff's Recommendation	**Based on the findings and evaluation of the proposed development, there will be negative impact on the public school system. Therefore, if the proposed development is approved by the Village Council, School District staff recommends the following condition to mitigate such impact.** In order to address the school capacity deficiency generated by this proposed development at the District **Middle** and **High school level**, the property owner shall contribute a total of **$72,082** to the School District of Palm Beach County prior to the issuance of first building permit. This school capacity contribution is intended to supplement the required school impact fee (impact fee credit has already been applied). Please note that the school impact fee credit is calculated based on the Net Impact Cost per Student, as calculated in the County's latest Impact Fee Ordinance, which was adopted on April 16, 2019.			
Validation Period	1) This determination is valid from **03/15/2021** to **03/14/2022** or the expiration date of the site-specific development order approved during the validation period. 2) A copy of the approved D.O. must be submitted to the School District Planning Dept. prior to **03/14/2022** or this determination will expire automatically on **03/14/2022**.			
Notice	School age children may not necessarily be assigned to the public school closest to their residences. Students in Palm Beach County are assigned annually to schools under the authority of the School Board and by direction of the Superintendent, public school attendance zones are subject to change.			

Joyce Cai

School District Representative Signature

March 15, 2021

Date

Joyce C. Cai, Senior Planner

Print Name & Title

joyce.cai@palmbeachschools.org

Email Address

CC: Iramis Cabrera, PZB Interim Director, Village of Palm Springs
Joyell Shaw, PIR Manager, School District of Palm Beach County

A Higher Standard of Excellence
engenuity group inc.
ENGINEERS SURVEYORS GIS MAPPERS

C. ANDRE BAYMAN, P.S.M.
KEITH B. JACKSON, P.E.
LISA A. TROPEPE, P.E.
ADAM SWANEY, P.E., LEED AP
JENNIFER MALIN, P.S.M.

March 29, 2021

To: Iramis Cabrera, Village of Palm Springs Planner

From: Tara Bamber, PE

Re: Boatman Hammock Townhomes
Site Plan Approval Letter
Engenuity Group Project No. 6001.114

We have received the following through WeTransfer on 3-19-21:

1. Composite Plans, 2 sheets (CP-1, dated 1-7-21 & CP-2, dated 3-18-21), by HSQ Group, Inc.
2. Site Plan, 1 sheet, 3-16-21, by Cotleur & Hearing
3. Landscape Plan, 4 sheets, revised 3-19-21, by Cotleur & Hearing
4. Drainage Statement,1 sheet, dated 3-17-21, by HSQ Group, Inc.
5. Surface Water Management Report, 13 sheets, revised 3-18-21, by HSQ Group, Inc.
6. Justification Statement, 4 sheets, dated 3-19-21, by Cotleur & Hearing
7. Response Letter, 12 sheets, dated 3-19-21, by Cotleur & Hearing

We recommend Site Plan approval with the following conditions:

1. Follow Code Sec. 34-189 regarding the Village watermain adjacent to the west property line.
2. Provide permits from applicable agencies including, but not limited to, LWDD, PBC Fire Rescue, etc.
3. Additional comments may be asked at time of Civil/Utility permit review.

If you should have any questions, please give me a call at 561-655-1151.

Cc: Kim Glas-Castro
Chad Girard, PE
Ed Horton
Lisa Tropepe, PE

Village of Palm Springs

PUBLIC SERVICE DEPARTMENT

226 Cypress Lane, Palm Springs FL 33461

January 28, 2021

Zachary Todd, P.E.

Senior Project Manager

HSQ Group, INC

1001 Yamato Road, Suite 106

Boca Raton, Florida 33431

Parcel Number: 70-42-44-24-00-000-5670

To whom it may concern:

In reference to the property at the parcel above, the Village of Palm Springs is the utility provider for the area in question. Currently the Village of Palm Springs has water and sewer capacity for 51 units o be at the above reference parcel. Some site-specific improvements may be required to connect. The closest gravity sewer main and potable water main is located along Boatmen and Todd Street. Prior to connection you will need to contact the Village of Palm Springs Utility to set up the account.

If you have any questions regarding this letter, please contact the utilities office at 561-965-5770

Sincerely,

Jancy Bravo
Customer Relation Supervisor

LAKE WORTH DRAINAGE DISTRICT

13081 MILITARY TRAIL
DELRAY BEACH, FLORIDA 33484-1105

Board of Supervisors
James M. Alderman
Stephen Bedner
Jeffrey P. Phipps, Sr.
Harry Raucher
John I. Whitworth III
Executive Director
Tommy B. Strowd, P.E.
Attorney
Mark A. Perry, P.A.

March 10, 2021

Iramis Cabrera
Village of Palm Springs
226 Cypress Lane
Palm Springs, Florida 33461-1699

Re: BOATMAN HAMMOCK
SE Quad of Boatman Road and Military Trail
LWDD Canal No. L-11
LWDD Record No. RI-20-0096

Dear Ms. Cabrera:

This project is located on the south side of the L-11 Canal and is adjacent.

After reviewing the provided canal cross-sections, LWDD will require an exclusive easement for 32 feet which will need to be conveyed prior to platting with the Village.

Please provide a Certification of Title and a Sketch of Description for said 32-foot conveyance at your convenience, however, prior to platting and issuance of LWDD permits.

LWDD has no objection to the certification of this petition at this time.

Please let me know if you have any questions.

Sincerely,

Anne H. Perry

Anne H. Perry

Cotleur & Hearing
LC26000535
LAND PLANNING + LANDSCAPE ARCHITECTURE + TRANSPORTATION
1934 COMMERCE LANE • SUITE 1
JUPITER, FLORIDA • 33458
561.747.6336 561.747.1377

BOATMAN HAMMOCK
Rezoning Justification Statement
03/19/2021

INTRODUCTION
On behalf of owner, WPB Partners, LLC and the applicant K. Hovnanian SE Florida Division, LLC we are requesting a site plan review for the project known as "Boatman Hammock". The subject site is located on 2 parcels of 5.443 acres of vacant land in primarily residential block east of S Military Trail and west of Congress Avenue. Both parcels that make up the site are currently within the CG zoning district and has a Commercial Future Land Use designation.

The applicant is proposing to rezone to RM for 54 fee-simple townhomes as well as companion waiver requests, residential planned development request, and a future land use amendment to Medium Density Residential. The parcel numbers are 70-42-44-24-00-000-5670, 70-42-44-24-32-010-0160

The following justification statement details the site's compliance with the Residential Medium zoning district of the Unified Development Application (UDA), of the Village of Palm Springs.

Approval of this request would allow 54 fee-simple townhomes with a proposed density of 10 units per acre.

PROJECT CONTACT
All correspondence in connection with this request should be directed to the agents for the applicant:

Agent / Planner
Cotleur & Hearing
Contact: Don Hearing/ William Sargent
1934 Commerce Lane, Suite 1
Jupiter, Florida 33458
Phone: (561) 747-6336 x 106

Applicant
K. Hovnanian SE Florida Division, LLC
Contact: Bo Bar-Navon
Address 3601 Quantum Blvd
Boynton Beach, FL 33426
Phone: (321) 403-3991

LOCATION
The property is located at the end of Todd Street in Palm Springs, east of S Military Trail, north of Lakewood Road and west of Patio Court. The site is primarily accessed from S Military Trail the major arterial and three separate minor arterials: Clemens Street, Todd Street and Boatman Street. Boatman Street is the main access point to the site.

HISTORY
The larger, east most parcel, was approved in February of 2007 by Palm Beach County for a Future Land Use amendment to Medium Residential, 5 units to the acre, with a RM Zoning.

The parcel has since been annexed into the Village of Palm Springs, within CG zoning district and has a Commercial Future Land Use designation.

The parcel is currently vacant.

The smaller, west most parcel, has had no previous Palm Beach County applications. The parcel has a single-family home and a detached mobile home.

LAND USE AND ZONING

The following tables depict the existing and proposed land use and zoning, and the surrounding land uses and zoning.

EXISTING USE	EXISTING LAND USE	PROPOSED LAND USE	EXISTING ZONING	PROPOSED ZONING
Vacant	COM	MD	CG	RM
Sing Family Res.	COM	MD	CG	RM

BOUNDARY	EXISTING USE	LAND USE	ZONING
NORTH	Single Family Res.	MR-5	RM
SOUTH	Sani/Rest Home	MD	RM
NORTH WEST	Auto Sales /Department Store	COM	CG
SOUTH WEST	Multi Family Res	MD	RM
EAST	Multi Family Res	MD	RM

PROJECT DESCRIPTION

Cotleur & Hearing is requesting a site plan approval for the proposed 5.443-acre “Boatman Hammock” planned multi-family residential development. The applicant is also seeking a concurrent Rezoning and Future Land Use change to allow for the 54 fee-simple townhomes. This project anticipates 54 total units spread over 9 buildings: each building with 6 attached units. Residents have been provided excess on-site parking and amenity space to facilitate involvement within the residential community.

REZONING FACILITIES AND SYSTEMS CONFIRMATION

Storm Drainage:

The site is located within the boundaries of Lake Worth Drainage District and the South Florida Water Management District C-51 Basin (sub basin 33) which has a 100 year at elevation 12.7 NGVD (which results in no compensating storage requirements). Legal positive outfall for the project is available via connection to the existing LWDD L-11 canal on the north side of the site.

On-site drainage will be handled by means of graded pavement to a dry detention area to meet all water quality requirements, perimeter berm requirements (based on 25 year – 3-day storm

event) and 100 year – 3-day minimum finished floor elevation. Applicable permits will be filed with the South Florida Water Management District, Lake Worth Drainage District and Village of Palm Springs.

A 32-foot easement has been provided per request of the Lake Worth Drainage District.

Water Supply:
The Village of Palm Springs Utilities Office has confirmed the capacity to provide for the proposed site. A letter of confirmation has been provided.

Sewage Treatment:
The Village of Palm Springs Utilities Office has confirmed the capacity to provide for the proposed site. A letter of confirmation has been provided.

Solid Waste Disposal:
A request to waste management to confirm service has been submitted. A letter of service is to be provided under a separate cover.

Public Safety Protection:
Comments have been provided regarding several recommendations on site. Public Safety is able to be provided once the comments / responses are taken into consideration.

Recreational and Park Areas:
The site does not impact any local recreation or park areas. Most recreation and park-like activities are expected to stay on site.

School Sites:
A SCAD application was filed with the School District of Palm Beach County. A letter of service and impacts has been provided.

LAKE WORTH ROAD SUB-COMMUNITY REDEVELOPMENT

The subject site is located in the Lake Worth Road District of the approved 2019 Community Redevelopment Plan. The proposed project is consistent with the following goals of the Community Redevelopment Agency:

Detailed Description of Proposal's Consistency with Five (5) Key Goals of CRA

Provide and enhance viable redevelopment opportunities to discourage further westward expansion.
The plan is proposing to develop a vacant parcel and redevelop am isolated Single-Family Residence on the east side of Military Trail. It does not promote any growth westward and is instead adding to the residential value of the local area within the village.
Provide a variety of housing options for persons and families of all income ranges.
The proposed plan provides a multi-family townhomes housing option to an area that is predominantly a single family detached housing area. Single family residences are typically

more expensive than multifamily units. This will provide an alternative option the existing housing conditions of the surrounding area.

Support existing Comprehensive Plan and Managed Growth Tier System provisions for sustainable urban development.
The proposed plan is consistent and supports the Comprehensive Plan, as described in this analysis, and Managed Growth Tier System Provisions for sustainable urban development.

Fully utilize and enhance existing infrastructure facilities and services.
The development will utilize the existing utilities such as stormwater and waste water. Additional infrastructure provided on site will enhance the infrastructure facilities and services of the area.

Attract new residents, businesses, and services to improve the quality of life for the current population in the URA.
The construction of 54 brand new multifamily townhomes will bring new residents and stimulate the local economy, especially for the current population of the URA. Providing an alternative, lower cost, housing option allows potential residents, who may not have been able to move previously, to become a part of the local community.

Proposal's effect on existing conditions (identified in CRA Community Redevelopment Plan) in the CRA District

The community redevelopment plan identified the existence of six (6) slum or blighted conditions pursuant to Florida Statutes. These include:

- Predominance of defective or inadequate street layout, parking facilities, roadways, bridges or public transportation facilities (Sec. 163.340(8)(a), F.S.)
- Faulty lot layout In relation to size, adequacy, accessibility, or usefulness (Sec. 163.340{8)(c), F.S.)
- Inadequate and outdated building density patterns (Sec. 163.340(8)(f), F.S.)
- Incidence of crime in the area higher than in the remainder of the county or municipality (Sec. 163.340{8)U), **F.S.)**

- The plan provides an extension of what is currently an ineffective roadway in Boatman Street. Rather than a short off shoot of Military Trail, it now extends into a residential development.
- The plan encourages good planning policy in site layout by combining two parcels and providing accessibility through an underutilized road. The lot, as it sits, is somewhat trapped between an inaccessible residential area, a canal, and a commercial boundary. The development creates an adequate and accessible site.
- The proposed plan invites modern planning strategies to the surrounding area by establishing transition zoning from commercial to residential. This is beneficial to the outdated building density patterns as it provides an example of a increased density multi-family residential development that functionally blends in and does not increase the inadequate existing patterns.

- The crime could possibly be reduced by the increase in residential population and police service to the area. The plan encourages and limits the crime by providing one entrance and exit, opaque landscape barrier, and street lighting.

Proposal's ability to assist in achieving strategies and objectives of the Palm Springs CRA

The proposed site stands to improve the Palm Springs area and assist the CRA in their objects and strategies. This will be done through good planning techniques, adequate zoning and improvement upon vacant or blighted properties. As discussed, the plan meets the goals and directives of the CRA. The applicant is excited to bring this development to the Palm Springs and revitalize the area through a residential boost in economy.

CONCLUSION

The proposed planned development is consistent with the design standards provided by Article IX and the requirements of the Unified Development Application. The proposed development provides a unique look and feel to the Village of Palm Springs. This development will allow a once permanently vacant lot to bring valuable housing and residential income to the community. The applicant looks forward to working the Village of Palm Springs to respond to any questions or concerns that may arise as are result of your review.

Cotleur & Hearing
LC26000535
LAND PLANNING + LANDSCAPE ARCHITECTURE + TRANSPORTATION
1934 COMMERCE LANE • SUITE 1
JUPITER, FLORIDA • 33458
561.747.6336 561.747.1377

BOATMAN HAMMOCK
Residential Planned Development Justification Statement
03/19/2021

INTRODUCTION
On behalf of owner, WPB Partners, LLC and the applicant K. Hovnanian SE Florida Division, LLC we are requesting a site plan review for the project known as "Boatman Hammock". The subject site is located on 2 mostly vacant parcels, totaling 5.443 acres, east of S Military Trail and west of Congress Avenue. Both parcels that make up the site are currently within the CG zoning district and have a Commercial Future Land Use designation.

The applicant is proposing a 54 fee-simple townhomes Residential Planned Development as well as companion waiver requests, rezoning to RM and a future land use amendment to Medium Density Residential. The parcel numbers are 70-42-44-24-00-000-5670, 70-42-44-24-32-010-0160

The following justification statement details compliance with *Subdivision IX - Planned Development (PD)* of the Land Development Code Ordinance of the Village of Palm Springs.

Approval of this request would allow 54 fee-simple townhomes with a proposed density of 9.93 units per acre.

PROJECT CONTACT
All correspondence in connection with this request should be directed to the agents for the applicant:

Agent / Planner
Cotleur & Hearing
Contact: Don Hearing/ William Sargent
1934 Commerce Lane, Suite 1
Jupiter, Florida 33458
Phone: (561) 747-6336 x 106

Applicant
K. Hovnanian SE Florida Division, LLC
Contact: Bo Bar-Navon
Address 3601 Quantum Blvd
Boynton Beach, FL 33426
Phone: (321) 403-3991

LOCATION
The property is located at the end of Todd Street in Palm Springs, east of S Military Trail, north of Lakewood Road and west of Patio Court. The site is primarily accessed from S Military Trail the major arterial and three separate minor arterials: Clemens Street, Todd Street and Boatman Street. Boatman Street is the main access point to the site.

PROJECT DESCRIPTION
Cotleur & Hearing is requesting a site plan approval for the proposed 5.443-acre "Boatman Hammock" planned multi-family residential development. The applicant is also seeking a concurrent Rezoning and Future Land Use change to allow for the 54 fee-simple townhomes.

This project anticipates 54 total units spread over 9 buildings: nine (9) buildings with 6 attached units. Residents have been provided excess on-site parking and amenity space to facilitate involvement within the community.

SUBDIVISION IX – PLANNED DEVELOPMENTS

The stated design requirements below are the minimum development standards established to promote consistency and quality as required for Planned Developments.

1) **Sidewalks on both sides of a street or primary driveway, interconnected with other pedestrian-ways and/or providing access to each building.**

   An all-access sidewalk has been provided on site which traverses all the proposed recreational areas and connects to each building section. The proposed sidewalk is meant to increase the overall connectivity of the site, access to amenities and the walkability for pedestrians. Due to the inherent small nature of the site, a waiver has been requested to limit the sidewalk to one side of the street. The proposed sidewalk provides safe crosswalks and access routes along the main street of the development to each of the buildings. There will be limited traffic and vehicular travel on-site.

2) **Consolidation of smaller parcels into a larger, unified development project.**

   The site will consist of two parcels, one small and uninhabited single-family residence and a larger vacant land parcel. The project will combine the two into a larger overall development whereas development may have occurred separately otherwise. A unified project serves to increase the overall potential of the area and brings new structured development to the surrounding parcels.

3) **Consolidation of driveways to eliminate curb cuts, with reciprocal easements for access, provision of access from secondary streets and alleys.**

   The driveways on site have been consolidated to eliminate excessive curb cuts. The site is only accessed from a public secondary street, increasing engagement with the main secondary street (Boatman Street) and the larger primary Military Trail street.

4) **Shared parking arrangements to reduce impervious surfaces and promote efficient use of facilities.**

   The proposed site provides concentrated guest parking areas and driveways to reduce the overall impervious surface total. Rather than providing separate areas designated for parking lots, the required spaces are provided on street or in driveways. This allows the space that would typically be used for parking lots to be used more efficiently as open or amenity space.

5) **Provision of sufficient parking to avoid on-street parking, unless designed with on-street spaces.**

Sufficient parking for each resident and guests has been provided in the primary driveway of each residence and in the on-street guest parking. Per Section 34-1329 *Minimum Requirements by Use*, multifamily dwellings require 2.5 parking spaces per residence. The proposed plan provides for 3 parking spaces per residence, including a garage. The excess parking was provided to limit impervious surfaces in place of residential amenities. Guest parking has been provided on-street to additionally limit the need for a separate parking lot.

6) Pedestrian-scale street lighting along sidewalks and pedestrian ways.

Lighting has been provided along the sidewalks near the primary street running through the property. The site amenities are intended for dawn to dusk use, including the extra lengths of the sidewalk meant for daytime walkability around the site. The sidewalks leading to and from building to building are well lit and provide visibility to vehicular traffic and into the guest parking areas.

7) Aggregation of open space to create common areas of sufficient size for passive/leisure activities.

Open space along the western boundary of the site has been aggregated to create a walkable loop that includes an open play area and grassy knoll for kids and adults. The site benefits from this layout rather than multiple different smaller recreational areas spread across the site.

8) Continuity of sidewalks and pathways where disconnects occur, and provision of sidewalks to usable open spaces, recreation amenities or public facilities.

Sidewalks have been provided which connect to all the open space and recreation amenities on site. This includes the pool and cabanas, grassy knoll and play area as well as the tot lot. Each building has access, alongside safe road crossing indicators, to all amenities.

9) Residential setbacks that allow for a green, semi-private planting area between the sidewalk and house(s).

Due to the nature of multi-family attached townhomes and the increased need for parking spaces per unit, providing a semi-private planting area between the sidewalk and townhome unit is difficult. However, foundation plantings have been provided between the driveways of each other units. Excessive plantings have been provided on the sides and rear to provide for the reduced front planting area.

10) Promote streetscape where feasible, with maintenance agreements assigning responsibility to adjacent properties.

The site is located on a new extension of the Boatman Street secondary road. Trees, groundcover, and lighting have been provided to promote the look of the street when driving or walking. There is only one adjacent property (Bank of America) with access to

the potential impacts of the new road and no streetscape has been provided of which requires a maintenance agreement.

11) **Create bus waiting areas for safety, for school buses or mass transit, as may be applicable.**

A bus waiting area is not required per comment and confirmation by the School District of Palm Beach County.

12) **Building step backs or setbacks to respect existing scale and massing of adjacent neighborhoods and promote compatibility.**

The units are setback from both the residential boundary and the interior street to allowing for a more transitionary scale. The local massing of adjacent neighborhoods is primarily single floor, contrasting the potential for two- and three-story buildings (including the existing Bank of America) on the commercial properties to the west. Increasing the buffer from the proposed interior street reduces the feel of a large and extremely tall unit, while the setback from the residential boundary makes the height differential more transitionary rather than abrupt.

13) **Provision of original, self-confident building design, and prohibition of metal buildings.**

The architecture of the site is new to the area and provides an original look characteristic of the Boatman “Hammock” feel. The Coastal Style inspired architecture is evocative of a clean airy aesthetic and features crisp lines, window muntins at significant locations, decorative shutters, and roof gables common to the era. The architecture is further complimented by a professionally selected color palate whose authentic hues are carried throughout the community from the townhomes to the pool cabana amenity building. This is completely original and specific to this project. No metal buildings will be built on site. A color board and renderings have been provided for reference.

14) **Buffers between differing uses to include a masonry wall and landscaping to promote compatibility.**

A thick opaque landscape buffer has been provided along the residential and commercial boundaries on site. No masonry wall has been provided as the landscape buffer itself provides a visibility barrier and more easily functions as a transition rather than an abrupt stop between the differing uses the site sits between.

15) **Adequate vehicular circulation, traffic maintenance and/or operational measures that does not negatively impact existing roadway conditions, including avoidance of dead-end streets and t-style turnarounds.**

Per the attached traffic study, the extension of the Boatman Street roadway does not negatively impact the existing conditions of the area and adjacent properties. Special care was taken to minimize the impact of dead-ends and t-style turnarounds on site. Due to the size and overall safety, Boatman Street splits at the north end into a fire truck accessible

t-turn around in the west and a dead end in the east. The dead end is needed to provide accessibility to the buildings in the North East section and ends due to the adjacent single family residential properties. The T-turn provides the most reasonable turn around for Fire and Waste Management while limiting the safety monitoring of external access of the site to one singular entrance.

ARCHITECTURE

The very name Boatman Hammock evokes a mental image of a beachy, easy lifestyle set around a breezy and shady coastal hammock a century ago. The Coastal Style inspired architecture is evocative of a clean airy aesthetic and features crisp lines, window muntins at significant locations, decorative shutters, and roof gables common to the era. The architecture is further complimented by a professionally selected color palate whose authentic hues are carried throughout the community from the townhomes to the pool cabana amenity building.

LANDSCAPING

The proposed project complies with DIVISION 2 – STANDARDS AND REQUIREMENTS for landscaping. Landscape buffers have been provided at the requested depth and height, using native plant material. A mixture of trees and palms are planted at 20 foot spacing with 3-foot hedging were used to create an opaque vision barrier. Buffer planting material is not required along the western boundary abutting commercially zoned properties; however, a 10-foot landscape buffer has been incorporated into the landscape design as additional screening, security, and visual benefit.

Additionally, tree plantings were provided, 1 per 1,500 square feet to meet the interior landscape requirement for the property. The primary tree selection included Live Oaks, Sabal Palms and Royal Palms which are all native and are visually cohesive with the proposed landscape and architecture. It is important to note that the plantings exceed the native percentage requirements the minimum 50%.

The applicant will be requesting a waiver to grant a reduced foundation planting area per Sec.34-164 – Required Foundation Plantings, see waiver request under separate cover.

A landscape plan, prepared by Cotleur & Hearing, have been provided herein with the submittal package detailing the planting material and locations specific to the site layout. Existing vegetation on site will be removed per the Village of Palm Spring's mitigation and preservation requirements. No existing trees are slated for preservation or relocation.

COMMUNITY AMENITIES

Per Sec. 34-1064, 35% of the gross land area is designated as undeveloped open space. 20% of that required square footage is common amenity "to ensure the enjoyment, uses, safety, and general welfare of the occupants of the proposed development". With a total site area of 236,883 SF, a minimum of 82,909 SF of open space and 16,581.8 SF of recreation space would need to be provided.

The proposed site has been designed with two separate play areas, a pool, and a walkable pathway around the open space and dry retention area on the western boundary of the site. The open space totals 121,249 SF or 51.19% which exceeds the minimum requirement. The recreation areas total 33,365 SF or 42.71% of the open space, exceeding the requirement for community amenity space on site. The intent of the owner is to provide activities and recreation for the enjoyment of the residents on site in lieu of similar, immediate amenities outside the site. The design and layout of the walk paths are conducive and encourage pedestrian activity and provide a pedestrian connection to all buildings.

TRAFFIC

A comprehensive plan traffic analysis was conducted to evaluate the land use change from the existing Commercial General designation (CG) to the proposed Residential Multifamily (RM) designation for the site located on the east side of Military Trail, directly north of Boatman Street in the Village of Palm Springs, Florida. The analysis demonstrated that the future land use plan amendment and rezoning can be adopted without requiring any transportation mitigation measures to comply with the adopted standards. A traffic study has been provided under this cover.

PARKING

The applicant has provided parking for each townhome as well as some onsite guest parking per *Sec. 34-1329. - Minimum requirements by use*. *(b) by use* identifies a minimum off-street parking requirement for Multiple-family dwellings. The requirement states:

> *"Two and one-half parking spaces per dwelling unit, an additional 25 percent of the total required parking shall be dedicated as guest parking spaces.*"

The applicant is proposing 54 multiple family units requiring 135 spaces, plus an additional 34 parking spaces for guests. The townhome units have been designed with one garage parking space and two parking spaces in the driveway. With three (3) parking spaces per unit, the proposed plan provides for a total of 189 spaces, exceeding the minimum requirement by 20 spaces. The resident driveways adjacent to one another were designed and consolidated to remove curb cuts.

WAIVERS

Separate waiver descriptions have been provided within this submittal package. Three waivers are being requested:

1. Front Façade Foundation Planting Requirements
2. Sidewalk Requirements
3. Minimum Lot Area Requirements

CONCLUSION

The proposed planned development is consistent with the design standards provided by Subdivision IX and the requirements of the Unified Development Application. The proposed

development provides a unique look and feel to the Village of Palm Springs. This development will allow a once primarily vacant lot to bring valuable housing and residential income to the community. The applicant looks forward to working the Village of Palm Springs to respond to any questions or concerns that may arise as are result of your review.

Cotleur & Hearing
LC26000535
LAND PLANNING + LANDSCAPE ARCHITECTURE + TRANSPORTATION
1934 COMMERCE LANE • SUITE 1
JUPITER, FLORIDA • 33458
561.747.6336 561.747.1377

BOATMAN HAMMOCK
Foundation Planting Waiver

03/19/2021

INTRODUCTION

The applicant and property owner, WPB Partners, LLC, is requesting a waiver to the foundation planting requirements for multifamily properties greater than one acre, for the project known as "Boatman Hammock". The subject site is located on 5.443 acres of vacant land in primarily residential block east of S Military Trail and west of Congress Avenue. The applicant is proposing 54 fee-simple townhomes and companion requests for site plan approval, rezoning and a future land use amendment.

Approval of the Boatman Hammock Residential Planned Development (RPD) would allow 54 fee-simple coastal-style townhomes, centrally located amenities and walkable open space, within the Village of Palm Springs.

REQUEST

According to *Section 32-164 Required Foundation Plantings (a):*

> *"For nonresidential and multifamily properties one acre or more, at least 25 percent of the linear feet of building façade facing a street shall be planted with trees, shrubs or hedges. At least one tree or cluster of three palms shall be installed for each 30 linear feet, or fraction thereof, of applicable façade. The foundation planting area shall be a minimum of five feet wide."*

The building façade facing the street is 120 linear feet or 20 feet for each dwelling unit, requiring 30 linear feet of planting along the street. The planting areas in-front of the townhomes have been designed with street-lined double Montgomery Palms and complimentary accents and shrubs. Due to the dense nature of multifamily units with garage parking, the planting area between the parking spaces have been planted to the extent possible.

Consideration was given to planting a 2'x2.8' area space most nearest the door, adjacent to the garage to increase the total percent of linear feet of foundation planting. Discussions with our resident landscape architect as well as through existing examples indicated that plant material does not last long in those areas. The plantings will typically die after 6 months to a year and require constant care and replanting to keep them healthy. This creates a consistent eye sore on the building fronts if not consistently addressed.

As a good faith effort, the townhomes and site have been heavily landscaped with additional plant material on the sides of the buildings, backyards, and open space areas.

The applicant is requesting a formal waiver from the requirement to provide foundations plantings for 25% of the linear feet of the building façade facing a street, as well as the requirement to provide planting five feet in width.

JUSTIFICATION

Village Council may approve a waiver to this requirement if the request meets the criteria in *Sec. 34-1063 (3) Performance Standards.* The applicant's justification is provided below.

a. The request is in harmony with and is consistent with the purpose and intent of the Village's Comprehensive Plan and Land Development Code and that such waiver will not be injurious to the area involved or otherwise detrimental to the public health, safety, and welfare.

The request in-line with the Village's Comprehensive Plan and Land Development Code. The waiver request is not detrimental to the public health, safety, and `welfare of the area. Increased plantings in the rear of the building increase the residential security and provides for the natural landscaping typical of a foundation planting.

b. The request results from innovative design in which other minimum standards are exceeded.

Steps were taken in the design process to provide for excess open space and common amenities because of the requested decrease in foundation plantings. Additionally, the increase rear plantings provide an increase in screening for the rear of the property and is visually incorporated into the landscape of the townhomes that have a rear boundary line abutting a common amenity.

c. The request demonstrates that granting of the waiver will result in preservation of valuable natural resources, including drainage and recharge areas, natural areas, etc.

The waiver request provides for an increase in open space, drainage, and community amenities. Increased foundation planting requirements would severely impact the parking availability at each town home and require excess parking to provided on site in areas that are currently open space.

d. The request demonstrates public benefits to be derived, including but not limited to such benefits as dedication of rights-of-way, extensions of pedestrian linkages outside of the project boundaries, preservation of open areas and use of desirable architectural, building, and site design techniques.

The public benefits from the request of the waiver through the visual benefit of increased rear townhome plantings as well as through the preservation of open space through reduced onsite parking.

e. The request provides sufficient screening and buffering to screen adjacent uses from adverse impacts caused by the granting of a waiver.

Not applicable to this waiver. However, it is important to note that the increased backyard plantings do provide an increase in screening to the rear of each townhome.

e. Economic issues may not be used to justify waivers.

Economic issues are not the reason for requesting this waiver.

g. The request is compatible with existing and potential land uses adjacent to the development site.
The waiver does not affect the already compatible existing and potential land uses adjacent to the development site. The request for a reduction in foundation waiver plantings only impacts the interior of the site.

h. Waiver requests from minimum common amenity area requirements shall further demonstrate that adequate recreation area is available in the immediate vicinity of the proposed development.
Not applicable to this waiver.

i. Waiver requests from maximum height limitations shall further demonstrate that the additional height will not adversely impact adjacent properties and appropriate setbacks are provided as building height increases.
Not applicable to this waiver.

CONCLUSION

The requested waiver is compliant with the criteria and standards provided for in *Section 34-1063 (C) (3) Performance Standards.* The planting areas in-front of the townhomes have been designed with street-lined double Montgomery Palms and complimentary accents and shrubs. Due to the dense nature of multifamily units with garage parking, the planting area between the parking spaces have been planted to the extent possible. We look forward to your review of the waiver request and are willing to provide answers to any questions you might have.

Cotleur & Hearing
LC26000535
LAND PLANNING + LANDSCAPE ARCHITECTURE + TRANSPORTATION
1934 COMMERCE LANE • SUITE 1
JUPITER, FLORIDA • 33458
561.747.6336 561.747.1377

BOATMAN HAMMOCK
Sidewalk Waiver
03/19/2021

INTRODUCTION
The applicant and property owner, WPB Partners LLC, is requesting a waiver to the sidewalk requirements, for the project known as “Boatman Hammock”. The subject site is located on 5.443 acres of vacant land in primarily residential block east of S Military Trail and west of Congress Avenue. The applicant is proposing 54 fee-simple townhomes and companion requests for site plan approval, rezoning and a future land use amendment.

REQUEST
Section 34-1063 Performance Standards (1) identifies requirement for sidewalks on both sides of the street. The requirement states:

> *“Sidewalks on both sides of a street or primary driveway, interconnected with other pedestrianways and/or providing access to each building.*”

The applicant is providing an alternate design with one (1) sidewalk on the street which is meant to function similarly to having a sidewalk on both sides. The inherent small size and compact nature of the site does not fit two sidewalks without having to reduce the open space or amenity space totals. Purposeful sidewalk design connects each of the buildings and all the amenities, with designated crossing points that have appropriate pedestrian crossing signage and traffic calming measures.

The site incorporates a proposed private roadway that has very few straightaways and ends in two turnarounds. The traffic is expected to be minimal, only a 23 total trip increase in the AM and 29 trip increase in the PM. Traffic, due to the layout of the site, will likely be only local residential populations who mainly live in the development. Crosswalks and pedestrian crossing signage will ensure that drivers needing to reach their homes are aware of the potential for pedestrian crossings.

The extended driveway was proposed as a safer alternative to a sidewalk abutting Boatman Street. The driveway before the sidewalk is maintained at the typical parking space length of 20 feet.

The development plans one (1) sidewalk that runs along the road and by the mail kiosk, recreation spaces and the pool. The applicant is requesting a formal waiver to reduce the requirement of sidewalks per street to one (1).

JUSTIFICATION

Village Council may approve a waiver to this requirement if the request meets the criteria in *Sec. 34-1063 (3) Performance Standards.* The applicant's justification is provided below.

a. The request is in harmony with and is consistent with the purpose and intent of the Village's Comprehensive Plan and Land Development Code and that such waiver will not be injurious to the area involved or otherwise detrimental to the public health, safety, and welfare.

The waiver request is in harmony and consistent with the intent and purpose of the Village's Comprehensive Plan and Land Development Code. The waiver will not be injurious to the area involved as marked crosswalks are provided to facilitate interconnectivity as well as traffic calming measures to ensure safe movement across the streets. This includes pedestrian crossing signage, stop bars, and stop signs.

b. The request results from innovative design in which other minimum standards are exceeded.

With the reduction of sidewalk to one side of the road, the site can provide open space and amenity space in excess of the minimum standard. This includes backyards as well as the open space play areas and grassy knoll. The addition of a second sidewalk would reduce the existing plantings and reduce the total open space square footage on site. Inline with the Village's Land Development Code, the proposed sidewalk has been incorporated into the surrounding amenities.

c. The request demonstrates that granting of the waiver will result in preservation of valuable natural resources, including drainage and recharge areas, natural areas, etc.

The requested waiver will result in the preservation of natural areas and drainage areas by not increasing the impervious surface area required in providing sidewalks on both sides of the road. If provided, the additional sidewalk would move the buildings into the existing amenity and open space which in turn would decrease the space for activities provided for the residents.

d. The request demonstrates public benefits to be derived, including but not limited to such benefits as dedication of rights-of-way, extensions of pedestrian linkages outside of the project boundaries, preservation of open areas and use of desirable architectural, building, and site design techniques.

The request provides a similar public benefit to the code required two sidewalks minimum, while also preserving green space on site and reducing impervious surface area. The site design specifically provides walkability and ease of access by connecting all the proposed buildings and amenities. The sidewalk connects to the existing sidewalk along Boatman Street and extends the pedestrian linkages of the site beyond the project boundaries.

e. The request provides sufficient screening and buffering to screen adjacent uses.

from adverse impacts caused by the granting of a waiver.

This request does not impact screening and buffering.

f. Economic issues may not be used to justify waivers.

Economic issues are not the reason for pursuing this waiver.

g. The request is compatible with existing and potential land uses adjacent to the development site.

The waiver is primarily regarding the interior of the site and does not have a significant impact on the adjacent land uses. The only aspect of the sidewalk that might affect adjacent land uses is the extension and connection to the existing sidewalk along Boatman. However, this connection only serves to increase the potential development and connectivity and does not negatively impact the parcels it is adjacent to.

h. Waiver requests from minimum common amenity area requirements shall further demonstrate that adequate recreation area is available in the immediate vicinity of the proposed development.

Not applicable.

i. Waiver requests from maximum height limitations shall further demonstrate that the additional height will not adversely impact adjacent properties and appropriate setbacks are provided as building height increases.

Not applicable.

CONCLUSION

The requested waiver is compliant with the criteria and standards provided for in *Section 34-1063 (C) (3) Performance Standards.* The singular sidewalk is supplemented by multiple crosswalks and respective traffic calming measures to create the safest possible pedestrian connectivity. This will increase the safety on site as additionally, not as many cars are expected to be moving through the area based off the provided traffic study. Overall, it is expected that one side walk will provide the same amount pedestrian connectivity, decrease the need for impervious square footage and maximize safety for the residents. We look forward to your review of the waiver request and are willing to provide answers to any questions you might have.

Cotleur & Hearing
LC26000535
LAND PLANNING + LANDSCAPE ARCHITECTURE + TRANSPORTATION
1934 COMMERCE LANE • SUITE 1
JUPITER, FLORIDA • 33458
561.747.6336 561.747.1377

BOATMAN HAMMOCK
Minimum Lot Size Waiver
03/19/2021

INTRODUCTION
The applicant and property owner, WPB Partners LLC, is requesting a waiver to the minimum lot size requirements, for the project known as "Boatman Hammock". The subject site is located on 5.443 acres of vacant land in primarily residential block east of S Military Trail and west of Congress Avenue. The applicant is proposing 54 fee-simple townhomes and companion requests for site plan approval, rezoning and a future land use amendment.

REQUEST
Sec. 34-766. - Property development regulations (1) identifies a minimum lot area requirement for Multiple-family dwellings. The requirement states:

> *"Minimum lot area: 10,000 for one dwelling unit, 12,500 for two dwelling units, and 15,000 square feet for three dwelling units. For each additional unit thereafter, 9,500 square feet of lot area per unit shall be required, except the minimum lot area for a single-family dwelling shall not be less than that required in section 34-746. Property development regulations shall also be as set forth in section 34-746."*

The applicant is proposing 54 multiple family units at 1,715 SF per lot, totaling 92,610 SF / 2.13 acres of total lot coverage on site This is broken down by lot building coverage and lot open space which equals 56,061 SF / 1.29 acres and 121,249 SF / 2.78 acres, respectively. A strict interpretation of the code requires a total of 499,500 SF / 11.47 acres of lot area in total. Given the size of the site, 236,883 SF / 5.44 acres, by code standards only 24 units would be allowed at a density of 4.8 units per acre. 4.8 units per acre is less than the maximum permissible density for single family detached housing in the Residential Single-Family zoning district. The proposed development is Multi-family attached housing which has naturally smaller lot sizes than those of single family detached. Increasing the lot size would require a reduction in the community amenities and available walkable space.

The applicant is requesting a formal waiver to reduce the minimum lot area requirement. The development plans provide lots at an area of 1,715 SF per unit, a large size given the inherently constricted site. The reduction would allow for the proposed density of 9.93 dwelling units per acre to be maintained without having to reduce the community amenity space.

JUSTIFICATION
Village Council may approve a waiver to this requirement if the request meets the criteria in *Sec. 34-1063 (C) (3) Performance Standards.* The applicant's justification is provided below.

a. The request is in harmony with and is consistent with the purpose and intent of the Village's Comprehensive Plan and Land Development Code and that such waiver will not be injurious to the area involved or otherwise detrimental to the public health, safety, and welfare.

The request is in harmony with the intent of the Village's Comprehensive Plan and Land Development Code. The reduction of lot area size will not impact the public health and safety, and it does not serve to hurt the area. Increased density and smaller lot areas increase the residential economy and provide more of a boost to the surrounding local development.

b. The request results from innovative design in which other minimum standards are exceeded.

The waiver is a result of a design that increases density efficiency while maintaining an exceeding amount of open and amenity space. The design allows the site to maintain an extremely large amount of space while maintaining the efficiency of the townhome sites.

c. The request demonstrates that granting of the waiver will result in preservation of valuable natural resources, including drainage and recharge areas, natural areas, etc.

The granting of this waiver request allows the proposed natural areas and drainage areas to remain at the current size, which is more than the require code. Increased lot area would result in an over reduction of community amenities.

d. The request demonstrates public benefits to be derived, including but not limited to such benefits as dedication of rights-of-way, extensions of pedestrian linkages outside of the project boundaries, preservation of open areas and use of desirable architectural, building, and site design techniques.

There is ample public benefit to be derived from the granting of the waiver. The reduced lot area means that the homes are more accessible in price range. The open space on site is also preserved as previously mentioned. The design of the site is functionally the same as single large family detached homes but instead places the open and amenity space in community areas for public benefit rather than in private backyards.

e. The request provides sufficient screening and buffering to screen adjacent uses. from adverse impacts caused by the granting of a waiver.

The potential adverse impacts of smaller lot areas on adjacent properties have be addressed in the opaque landscape buffer that provides little to no visibility.

f. Economic issues may not be used to justify waivers.

Economic issues do provide the justification for the waivers. The reduced price of unit based on the lot size is a byproduct of a design that had an original intent to create large open and amenity space on site.

g. The request is compatible with existing and potential land uses adjacent to the development site.

The increased density that would result from the requested waiver is compatible with the surrounding land uses. With primarily commercial on the western boundary and residential on the east, a multi-family lot development provides a transition zone between the two incompatible land uses.

h. Waiver requests from minimum common amenity area requirements shall further demonstrate that adequate recreation area is available in the immediate vicinity of the proposed development.

Not applicable.

i. Waiver requests from maximum height limitations shall further demonstrate that the additional height will not adversely impact adjacent properties and appropriate setbacks are provided as building height increases.

Not applicable.

CONCLUSION

The requested waiver is compliant with the criteria and standards provided for in *Section 34-1063 (C) (3) Performance Standards.* The proposed development is Multi-family attached housing which has naturally smaller lot sizes than those of single family detached. Increasing the lot size would require a reduction in the community amenities and available walkable space. It is overall beneficial to grant this waiver request given the drawbacks of increasing the lot area. We look forward to your review of the waiver request and are willing to provide answers to any questions you might have.

BOATMAN HAMMOCK

Palm Springs, Florida

Cotleur & Hearing



SITE PLAN

North 641

BOATMAN HAMMOCK

Palm Springs, Florida

Cotleur & Hearing

S. MILITARY TRAIL

BOATMAN ST.

TODD ST.

BUILDING 1
6 UNITS

PLAY KNOLL

PLAY AREA

RETENTION

POOL

BUILDING 2
6 UNITS

BUILDING 3
6 UNITS

BUILDING 4
6 UNITS

BUILDING 9
6 UNITS

BUILDING 8
6 UNITS

BUILDING 5
6 UNITS

BUILDING 6
6 UNITS

BUILDING 7
6 UNITS

MAIL KIOSK

RECREATION AREA

PLAY AREA

CAMBRIDGE ST.

FAIRWAY AVE.

PATIO CT.

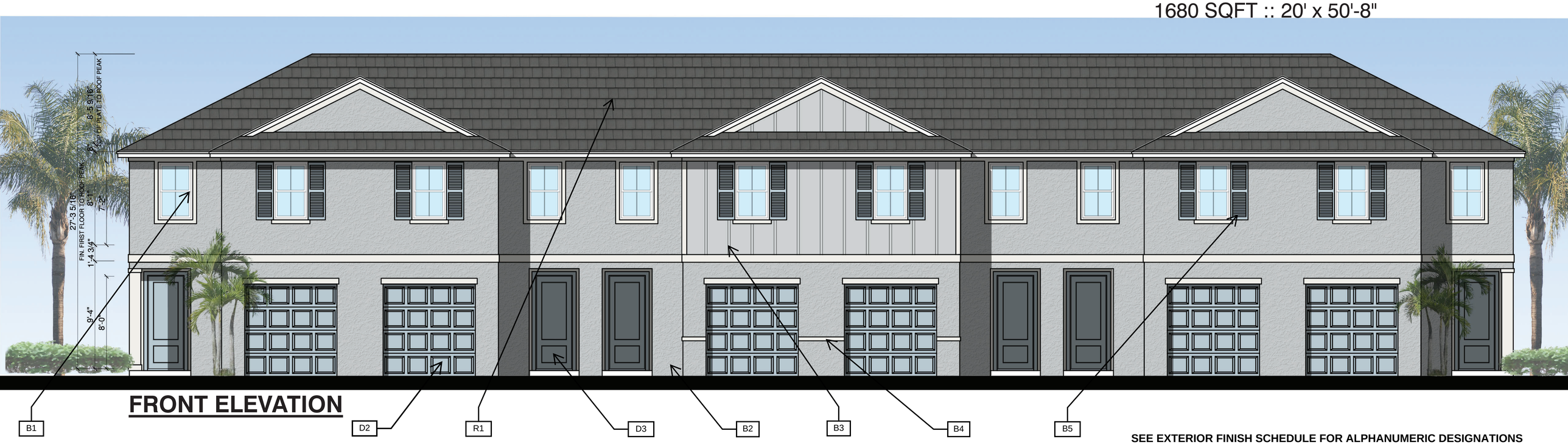
SITE PLAN

North 642

FRONT LOAD TOWNHOME PRODUCT

Arabella III

1680 SQFT :: 20' x 50'-8"



FRONT ELEVATION

SEE EXTERIOR FINISH SCHEDULE FOR ALPHANUMERIC DESIGNATIONS



REAR ELEVATION

FLORIDA :: SOUTHEAST FLORIDA

Boatman's Hammock

KHovnanian® Companies

Corporate Product Development :: NYC Design Studio

643

FRONT LOAD TOWNHOME PRODUCT

Arabella III

1680 SQFT :: 20' x 50'-8"



LEFT ELEVATION

RIGHT ELEVATION

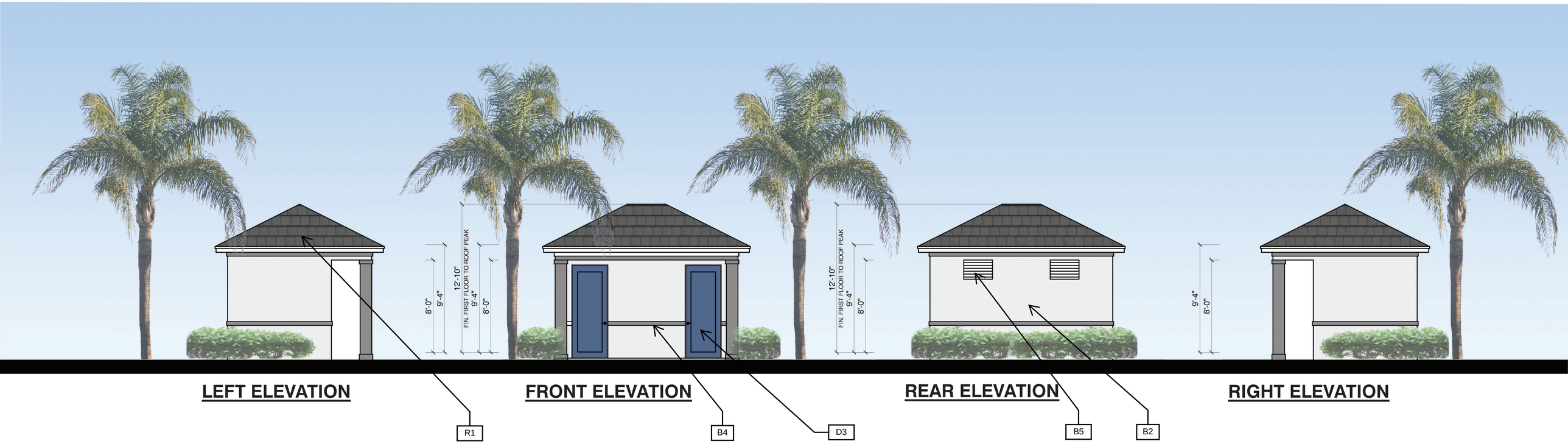
FLORIDA :: SOUTHEAST FLORIDA

Boatman's Hammock

KHovnanian® Companies

Corporate Product Development :: NYC Design Studio

644



LEFT ELEVATION | **FRONT ELEVATION** | **REAR ELEVATION** | **RIGHT ELEVATION**

CABANA ELEVATIONS

SEE EXTERIOR FINISH SCHEDULE FOR ALPHANUMERIC DESIGNATIONS

Boatman Hammock Exterior Finish Schedule

Item	Material	Finish	Manufacturer	Color	Key Note
Driveway	Concrete Pavers	Herringbone 90	Tremron	See Exterior Color Schemes	**D1**
Garage Door	Steel Panel	Painted	TBD	See Exterior Color Schemes	**D2**
Entrance Door	Fiberglass	Painted	TBD	See Exterior Color Schemes	**D3**
Windows	Aluminum	Powder Coat	N/A	White	**B1**
Body	Stucco	Textured Finish	N/A	See Exterior Color Schemes	**B2**
Board & Batten	Stucco	Sand Finish	N/A	See Exterior Color Schemes	**B3**
Trim	Stucco	Sand Finish	TBD	See Exterior Color Schemes	**B4**
Shutters	Decorative Foam	N/A	TBD	See Exterior Color Schemes	**B5**
Roofing	Flat Concrete Tile	Belair	Eagle Roofing Products	Sierra Madre	**R1**

Boatman Hammock Exterior Color Schemes

KHovnanian Homes

v1.0 210118

		COLOR SCHEME #1	COLOR SCHEME #2	COLOR SCHEME #3
		Manufacturer: TREMRON	Manufacturer: TREMRON	Manufacturer: TREMRON
	PAVERS **Lead walk, driveway, entry, patio**	Size: 4x8 Color: Natural Grey Pattern: Herringbone 90	Size: 4x8 Color: Natural Grey Pattern: Herringbone 90	Size: 4x8 Color: Natural Grey Pattern: Herringbone 90
	PAINT	Manufacturer: Sherwin Williams	Manufacturer: Sherwin Williams	Manufacturer: Sherwin Williams
P1	**BODY** **Stucco, First Floor**	SW 7006 EXTRA WHITE	SW 6232 MISTY	SW 7551 GREEK VILLA
		Manufacturer: Sherwin Williams	Manufacturer: Sherwin Williams	Manufacturer: Sherwin Williams
P3	**BOARD & BAT SIDINGS** **Second Floor Body & Gables**	SW 7006 EXTRA WHITE	SW 6232 MISTY	SW 6233 SAMOVAR SILVER
A4	**FASCIA, SOFFIT & Drip Edge:** **Aluminum**	WHITE	WHITE	WHITE
		Manufacturer: Sherwin Williams	Manufacturer: Sherwin Williams	Manufacturer: Sherwin Williams
P5	**TRIMS/BANDS: WINDOW, DOOR, CORNER, SOFFIT (Stucco and Wood)**	SW 7006 EXTRA WHITE	SW 7005 PURE WHITE	SW 0077 CLASSIC FRENCH GRAY
		Manufacturer: Sherwin Williams		Manufacturer: Sherwin Williams
P6	**FRONT DOOR & DECORATIVE SHUTTERS**	SW 7006 EXTRA WHITE	SW 9145 SLEEPY HALLOW	SW 6530 REVEL BLUE
		Manufacturer: Sherwin Williams	Manufacturer: Sherwin Williams	Manufacturer: Sherwin Williams
P7	**BRACKETS**	SW 0077 CLASSIC FRENCH GRAY	SW 7005 PURE WHITE	SW 0077 CLASSIC FRENCH GRAY
		Manufacturer: Sherwin Williams	Manufacturer: Sherwin Williams	Manufacturer: Sherwin Williams
P8	**GARAGE DOORS**	SW 6232 MISTY	SW 9145 SLEEPY HALLOW	SW 7042 SHOJII WHITE
	ROOF	Manufacturer: EAGLE ROOFING PRODUCTS	Manufacturer: EAGLE ROOFING PRODUCTS	Manufacturer: EAGLE ROOFING PRODUCTS
R9	**ROOF TILE**	STYLE: BELAIR COLOR: SIERRA MADRE	STYLE: BELAIR COLOR: SIERRA MADRE	STYLE: BELAIR COLOR: SIERRA MADRE
	WINDOWS & SLIDING GLASS DOORS	Color: White	Color: White	Color: White

MAIL KIOSK



PLAY KNOLL EQUIPMENT

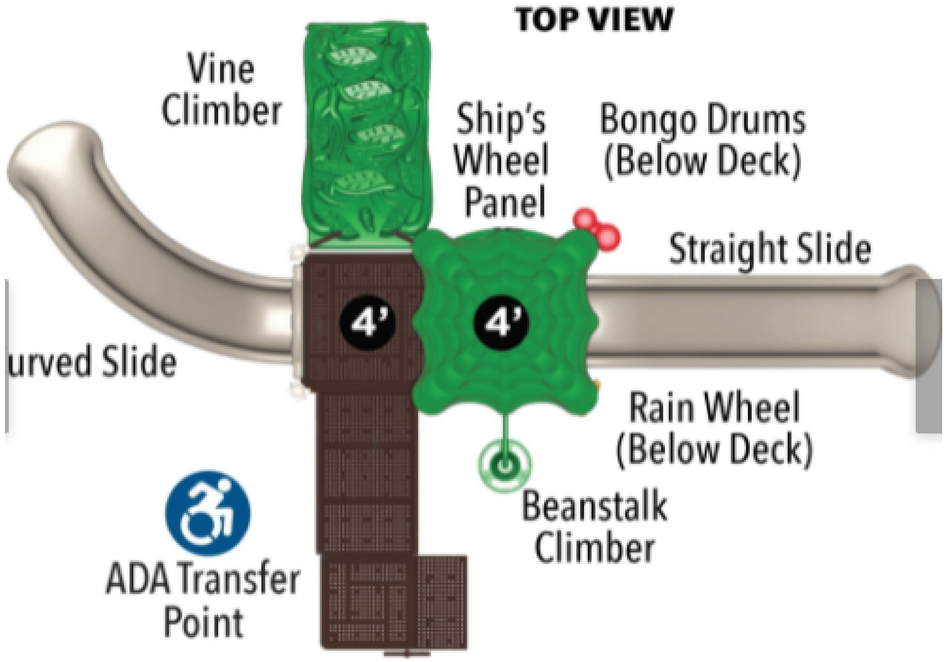








Tot Lot



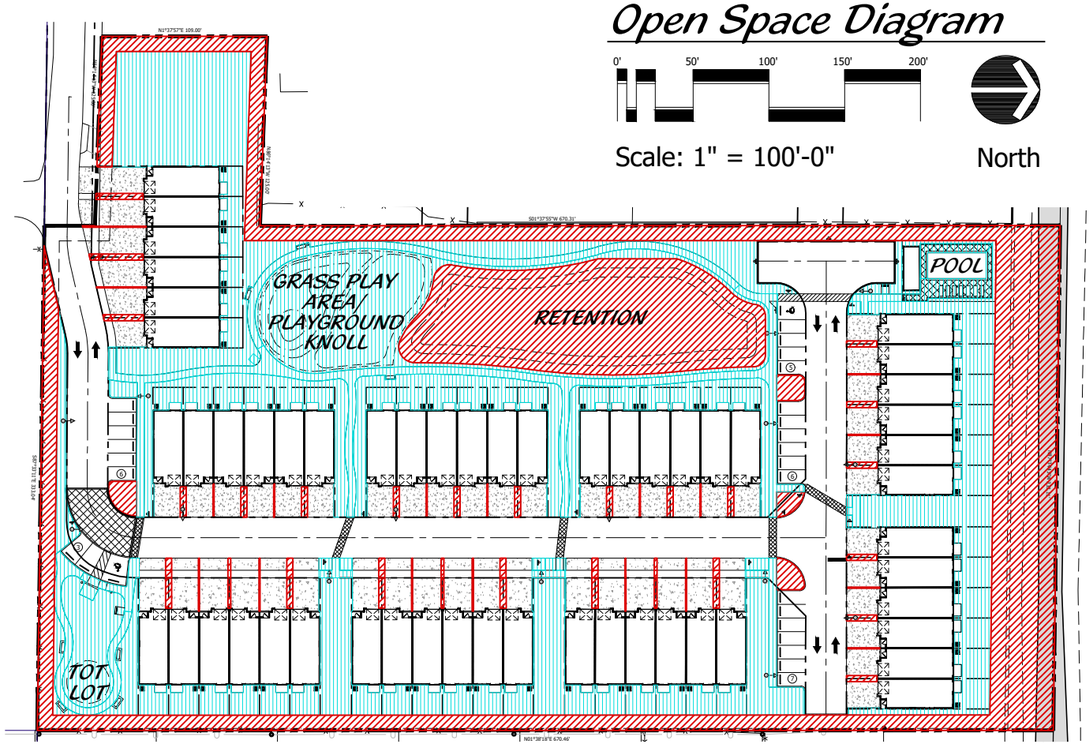
NOTE: ITEMS SHOWN ARE ILLUSTRATIVE OF BUILDER'S INTENT

Open Space Diagram

0' 50' 100' 150' 200'

Scale: 1" = 100'-0"

North



TOTAL OPEN SPACE:
MIN: 82,909 SF = 35% OF SITE AREA
PROV: 121,248 SF = 42.7% OF SITE AREA

RECREATIONAL OPEN SPACE:
PROV: 70,271 SF = 58% OF TOTAL OPEN SPACE PROVIDED

PASSIVE OPEN SPACE:
PROV: 50,315 SF = 42% OF TOTAL OPEN SPACE PROVIDED

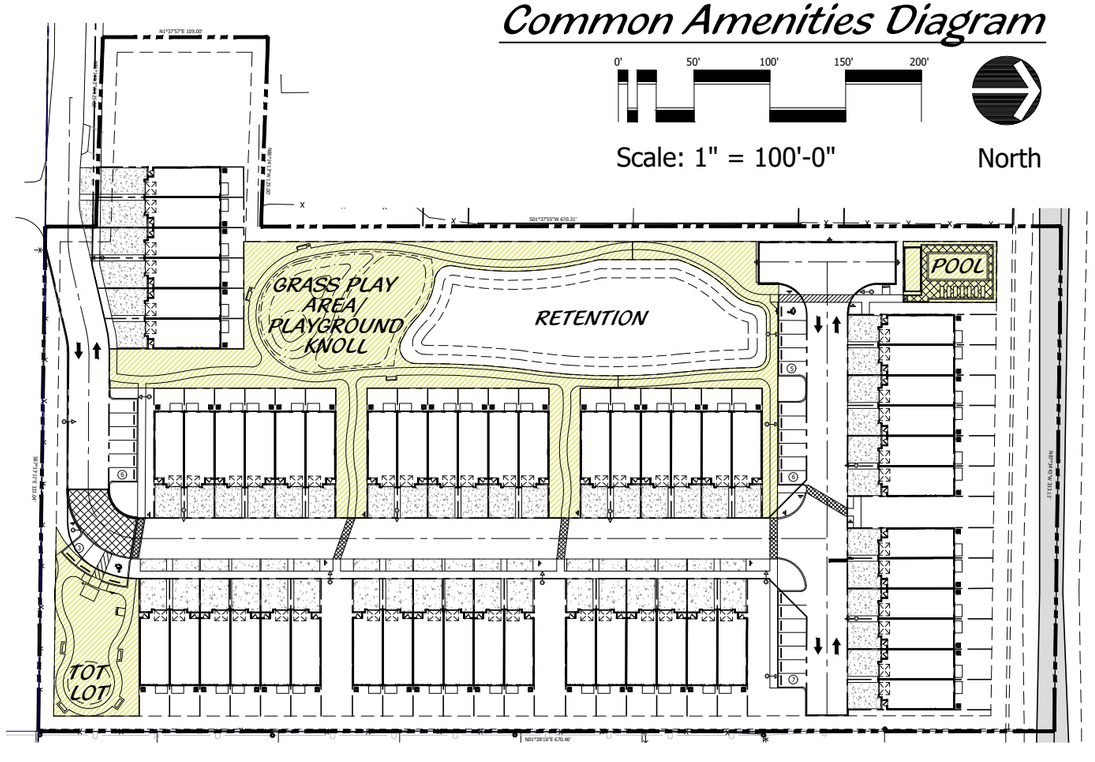
COMMON AMENITIES:
MIN. 16,581 SF = 20%
(BASED ON MINIMUM OPEN SPACE REQUIRED.)
PROV: 33,365 SF = 40%
(BASED ON MINIMUM OPEN SPACE REQUIRED.)

Common Amenities Diagram

0' 50' 100' 150' 200'

Scale: 1" = 100'-0"

North



650

Cotleur & Hearing
Landscape Architects
Land Planners
Environmental Consultants
1934 Commerce Lane
Suite 1
Jupiter, Florida 33458
561.747.6336 · Fax 747.1377
www.cotleurhearing.com
Lic# LC-26000535

Boatman Hammock

Palm Springs, Florida

DESIGNED	DEH
DRAWN	RO
APPROVED	DEH
JOB NUMBER	20-0905
DATE	01-22-21
REVISIONS	02-25-21
	03-19-21
	05-04-21

May 04, 2021 4:23:57 p.m.
Drawing: 20-0905 SP.DWG

© COTLEUR & HEARING, INC.
These drawings are the property of the architect and are not to be used for extensions or on other projects except by agreement in writing with the architect. Immediately report any discrepancies to the architect.



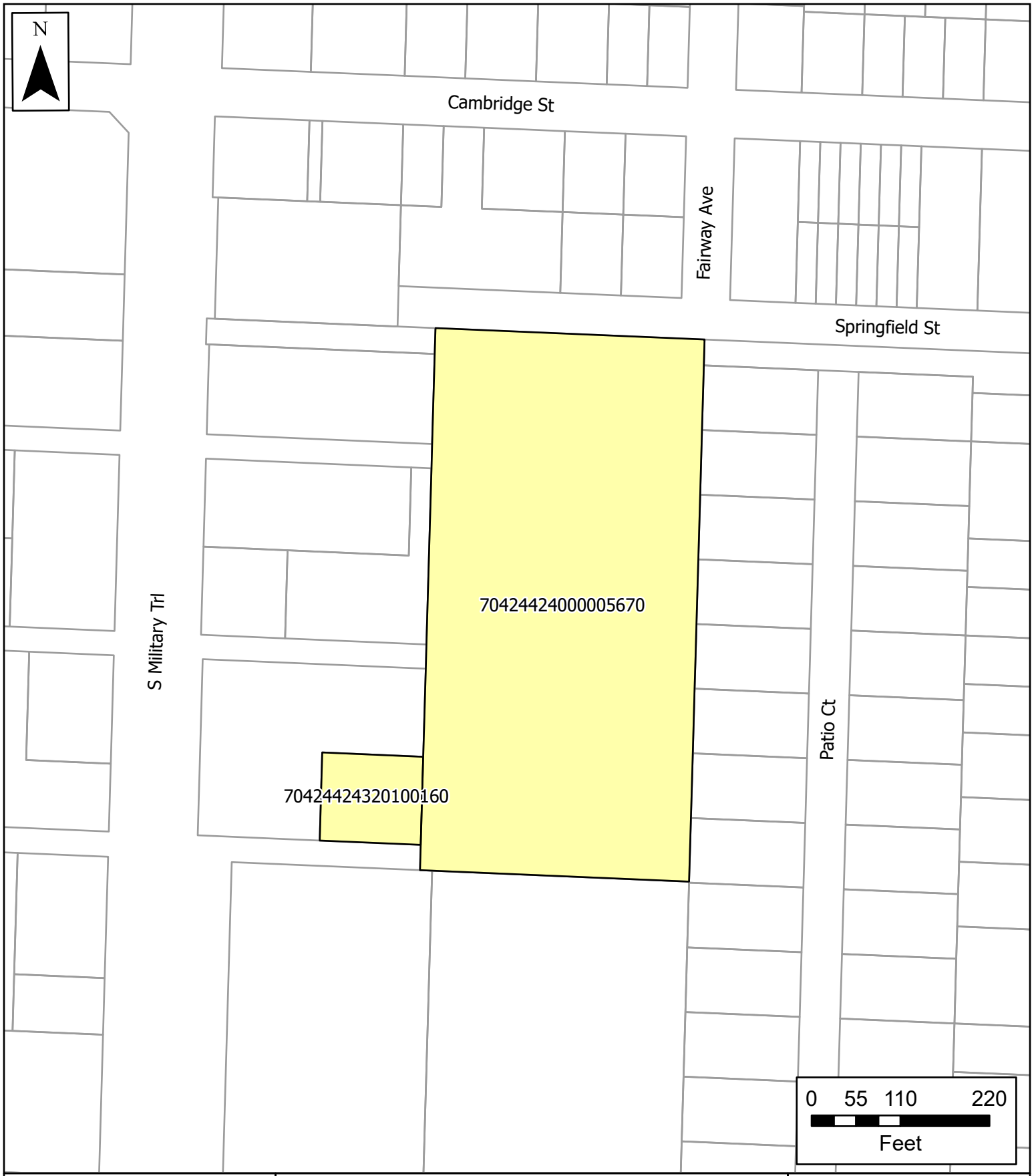
Village of Palm Springs

Boatman Hammock

Property Boundary

The Data is provided "as is" without warranty or any representation of accuracy, timeliness or completeness. The burden for determining accuracy, completeness, timeliness, merchantability and fitness for or the appropriateness for use rests solely on the requester. The Village of Palm Springs make no warranties, express or implied, as to the use of the licensed Data. There are no implied warranties of merchantability or fitness for a particular purpose. The requester acknowledges and accepts the limitations of the Data, including the fact that the Data is dynamic and is in a constant state of maintenance, correction and update

Data Source: Project boundary provided by Palm Beach County, World Imagery Basemap provided by ESRI Online Services.



Village of Palm Springs

Boatman Hammock

Parcels

Property Boundary

The Data is provided "as is" without warranty or any representation of accuracy, timeliness or completeness. The burden for determining accuracy, completeness, timeliness, merchantability and fitness for or the appropriateness for use rests solely on the requester. The Village of Palm Springs make no warranties, express or implied, as to the use of the licensed Data. There are no implied warranties of merchantability or fitness for a particular purpose. The requester acknowledges and accepts the limitations of the Data, including the fact that the Data is dynamic and is in a constant state of maintenance, correction and update

Data Source: Parcels provided by Palm Beach County



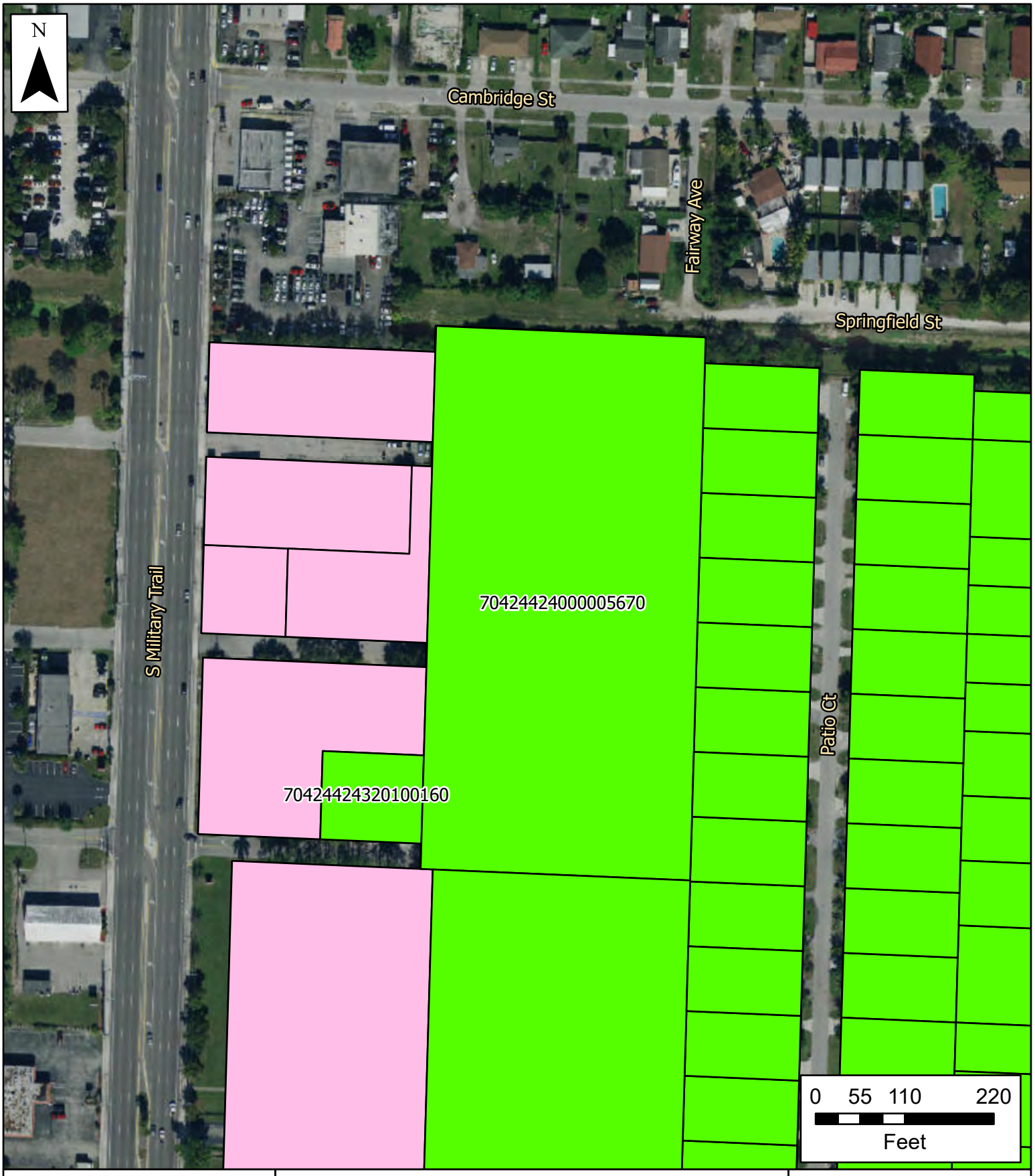
Village of Palm Springs

Proposed FLU - Boatman Hammock

Commercial
Medium Density Residential

The Data is provided "as is" without warranty or any representation of accuracy, timeliness or completeness. The burden for determining accuracy, completeness, timeliness, merchantability and fitness for or the appropriateness for use rests solely on the requester. The Village of Palm Springs make no warranties, express or implied, as to the use of the licensed Data. There are no implied warranties of merchantability or fitness for a particular purpose. The requester acknowledges and accepts the limitations of the Data, including the fact that the Data is dynamic and is in a constant state of maintenance, correction and update

Data Source: Project boundary provided by Palm Beach County, FLU provided by Village of Palm Springs, World Imagery Basemap provided by ESRI Online Services



Village of Palm Springs

Proposed Zoning - Boatman Hammock

CG (Commercial General)
RM (Residential Multi-Family)

The Data is provided "as is" without warranty or any representation of accuracy, timeliness or completeness. The burden for determining accuracy, completeness, timeliness, merchantability and fitness for or the appropriateness for use rests solely on the requester. The Village of Palm Springs make no warranties, express or implied, as to the use of the licensed Data. There are no implied warranties of merchantability or fitness for a particular purpose. The requester acknowledges and accepts the limitations of the Data, including the fact that the Data is dynamic and is in a constant state of maintenance, correction and update

Data Source: Parcels provided by Palm Beach County, Zoning provided by Village of Palm Springs, World Imagery Baseman provided by Esri Online Services

Cotleur & Hearing

LC26000535

LAND PLANNING + LANDSCAPE ARCHITECTURE + TRANSPORTATION

1934 COMMERCE LANE • SUITE 1
JUPITER, FLORIDA • 33458
561.747.6336 561.747.1377

Legal Description

Boatman Hammock

03/09/2021

PCN: 70424424000005670

THE EAST 1/2 OF THE NORTHWEST 1/4 OF THE NORTHWEST 1/4 OF THE SOUTHEAST 1/4 OF SECTION 24, TOWNSHIP 44 SOUTH, RANGE 42 EAST, PALM BEACH COUNTY, FLORIDA.

SAID LANDS SITUATE IN PALM BEACH COUNTY, FLORIDA AND CONTAINING 223,265 SQUARE FEET, OR 5.126 ACRES, MORE OR LESS.

SUBJECT TO EASEMENTS, RESTRICTIONS, RESERVATIONS, COVENANTS, AND RIGHTS-OF-WAY OF RECORD.

PCN: 70424424320100160

LOTS 16, 17, 18, 19 AND20, BLOCK 10, GREENLAND PLATY NO. 4, ACCORDING TO THE PLAT RECORDED IN PLAT BOOK 4, PAGE 6, PUBLIC RECORDS OF PALM BEACH COUNTY, FLORIDA.

RECORDS OF PALM BEACH COUNTY, FLORIDA.
CONTAINING 13,616 SQUARE FEET OR 0.313 ACRES, MORE OR LESS.

PUBLIC HEARING NOTICE

Notice is hereby given that public hearings will be held on:

Tuesday, June 8, 2021 at 6:30 p.m. by Planning & Zoning Board
Thursday, August 26, 2021 at 6:30 p.m. by the Village Council,

In the Village Hall Council Chambers at 226 Cypress Lane, Palm Springs, FL 33461 to consider:

Site Development Plan

RESOLUTION NO. 2021-18

A RESOLUTION OF THE VILLAGE COUNCIL OF THE VILLAGE OF PALM SPRINGS, FLORIDA, REQUESTING (APPROVING/DENYING), WITH CONDITIONS, A SITE DEVELOPMENT PLAN, (SPR21-09) FOR THE CONSTRUCTION OF A RESIDENTIAL PLANNED DEVELOPMENT SITE PLAN PROJECT CONSISTING OF NINE (9) TOWN HOME UNIT BUILDINGS (APPROXIMATELY 56,061 SF TOTAL) WITH 59 TWO-STORY FEE-SIMPLE TOWNHOMES, LOCATED AT 4445 BOATMAN STREET AND A VACANT LOT ON BOATMAN STREET AND PROVIDING FOR AN EFFECTIVE DATE.

All persons interested in these matters may appear at the times and place aforesaid and be heard. Prior to the meeting the application may be reviewed at the Village Clerk's Office.

If a person decides to appeal any decision made by the above Boards with respect to any matter considered at such hearings, he or she will need a record of the proceedings, and for such purpose may need to ensure that a verbatim record of the proceedings is made, which record includes the testimony and evidence upon which the appeal is to be based. Persons who need an accommodation to attend or participate in this meeting should contact the Village Clerk at (561) 965-4010 at least three (3) days prior to the meeting to request such assistance.

VILLAGE OF PALM SPRINGS, FLORIDA
Kimberly M. Wynn, Village Clerk
Publish: Lake Worth Herald
June 3, 2021

Village of Palm Springs

Executive Brief

AGENDA DATE: October 14, 2021

DEPARTMENT: Planning, Zoning & Building

ITEM 9.3: Resolution No. 2021-30 - Residential Planned Development Site Development Plan (PSE21-11) with four (4) Waivers - Prairie Road Subdivision (a/k/a Lox Landing) - 1974 Prairie Road (*Quasi-Judicial Hearing*)

SUMMARY:

Kevin McGinley, agent for Lox Landing Holdings, Inc., is requesting site development plan approval (SPR2021-11) for a residential planned development project on a property located at 1974 Prairie Road. The applicant is proposing to develop the 2.84-acre site with 16 fee simple single-family dwelling residences.

Note: Currently, the 2.84 acres property is vacant undeveloped. The property was annexed into the Village in 2001 and has no prior land development approvals.

Each dwelling unit will be a two-story structure and is proposed to include a two-car garage with two (2) additional parking spaces within the driveway, three (3) bedrooms, two and a half (2.5) bathrooms, a living room, an open back porch, a dining room, and a kitchen. This proposed residential community would have one access driveway along the existing Prairie Road right-of-way. The amenities include a picnic area with a grill, a tot lot, and an open grass play area for lawn games and sports.

Note: The Village Code - Section 34-1063(c) Waivers - provides that waivers may be granted by the Village Council following an advisory recommendation by the Planning & Zoning Board. All requests for waivers shall be identified on the site plan and shall accompany an application for a site plan approval of planned development.

The applicant is requesting four (4) waivers for the proposed RPD site plan:

1. Relief from Sec. 34-1064(c) - Allow a residential planned development project to be

developed on 2.84 acres property rather than the required 3 acres minimum.

2. Relief from Sec. 34-766(1) - Allow 16 single-family homes to be constructed on a 2.84-acre property rather than the required 3.18 acres minimum lot size.

3. Relief from Sec. 34-1064(e)(b) - Allow 10' side setbacks rather than the 20' minimum required along the north and south sides of the property.

4. Relief from Sec.34-1328 - Allow a 23' wide drive aisle rather than the required 26' wide drive aisle for 2-way traffic

Note: Based on the property standards within the Residential Multiple-Family (RM) zoning district (specifically the minimum lot area requirements) outlined in Village Code Section 34-766(1), this proposed 2.84-acre parcel could only support a maximum of fourteen (14) dwelling units rather than the proposed sixteen (16) by the developer. The applicant is seeking two (2) waivers to obtain approval as a Residential Planned Development (RPD) and therefore the ability to maximize density on the property with sixteen (16) dwelling units.

The Planning & Zoning Board considered the requested RPD during its regular meeting on September 14, 2021, and recommended approval.

Planning, Zoning & Building Staff does not object to the Residential Planned Development Site Plan with four (4) waivers and recommends conditional approval of the proposed development subject to forty-two (42) conditions, along with the voluntary monetary contribution requested by the School District to mitigate school impacts.

FISCAL IMPACT:

The proposed project is expected to increase the Village's assessed property valuation.

ATTACHMENTS:

Proposed Resolution No. 2021-30 - Residential Planned Development Site Plan - Prairie Road Subdivision - 1974 Prairie Road
Exhibit "A" Staff Report and Recommended Conditions of Approval
Project Narrative and Justification Statement
Site Plan, Landscape Plans, Engineering Plans, Architectural Plans and Letters
Color Site Plan and Color Rendering
Warranty Deed and Legal Description
Aerial Map and Location Map
LWH Advertisement Resolution No. 2021-30 - September 2, 2021

RESOLUTION NO. 2021-30

A RESOLUTION OF THE VILLAGE COUNCIL OF THE VILLAGE OF PALM SPRINGS, FLORIDA, (APPROVING/DENYING), WITH CONDITIONS, A SITE PLAN, (SPR21-11) FOR THE CONSTRUCTION OF A RESIDENTIAL PLANNED DEVELOPMENT PROJECT CONSISTING OF SIXTEEN (16) TWO-STORY SINGLE FAMILY RESIDENCES LOCATED AT 1974 PRAIRIE ROAD AND PROVIDING FOR AN EFFECTIVE DATE.

WHEREAS, Kevin McGinley, Agent for Lox Landing Holdings, Inc. ("Applicant") is requesting a Site Development Plan approval (SPR21-11) for a Residential Planned Development Project with four (4) waivers. The proposed project is ±3.64 gross acres (gross area), located at 1974 Prairie Road; and

WHEREAS, Kevin McGinley, Agent for Lox Landing Holdings, Inc. ("Applicant"), is requesting the following four (4) waivers:

1) Relief from Sec.34-1064(c) - Allow a residential planned development project to be developed on 2.84 acres property rather than the required 3 acres minimum.

2) Relief from Sec.34-766(1) - Allow 16 single-family homes to be constructed on 2.84 acres.

3) Relief from Sec.34-1064(e)(b) - Allow 10' side setbacks rather than the 20' minimum required along the north and south sides of the property

4) Relief from Sec.34-1328 - Allow a 23' wide drive aisle rather than the required 26' wide drive aisle for 2-way traffic

WHEREAS, the recommendation of the Planning, Zoning and Building Department is to approve this application, subject to staff report conditions; and

WHEREAS, the Village Council and Planning & Zoning Board has heard this matter in public session; has considered the presentation and other evidence presented by the Applicant; has received and considered the recommendations of the Village Staff; and has otherwise been fully informed regarding this matter.

NOW THEREFORE, BE IT RESOLVED BY THE VILLAGE COUNCIL OF THE VILLAGE OF PALM SPRINGS, FLORIDA:

Section 1. The Village Council having received and considered the request of Kevin McGinley, Agent for Lox Landing Holdings, Inc. ("Applicant"), for approval of Site Development Plan (SPR21-11) and four (4) waivers within the proposed Residential Planned Development.

Note: Within the proposed Site Development Plan Amendment, the Applicant is requesting four (4) waivers:

The Planning & Zoning Board ("Board") considered these requests during their September 14, 2021 meeting and in light of the applicable legal criteria set forth in Chapter 34 of the Palm Springs Code and the sworn testimony and other evidence presented at public hearing, and the Board recommended approval of the application, finding that good cause for the waivers has been shown and they have been demonstrated to be in harmony with the purpose, objectives, and performance standards of this subdivision based upon the criteria set forth in Palm Springs Code Section 34-1063(c).

_____**Having been otherwise fully apprised of the premises herein, the Village Council hereby adopts the findings of the Board and approves the said application as revised, with the staff report conditions attached hereto as Exhibit "A", and which is incorporated herein by reference**.

OR

_____Having been otherwise fully apprised of the premises herein, the Village Council hereby rejects the Board findings and denies the application, finding that good cause for the waivers has NOT been shown and they have NOT been demonstrated to be in harmony with the purpose, objectives, and performance standards of this subdivision based upon the criteria set forth in Palm Springs Code Section 34-1063(c), for the following reason(s):

_____

_____

_____

Notwithstanding any exceptions, conditions or other approvals granted herein, the applicant must conform to all other applicable codes, ordinances, and laws whether stated herein or not.

Section 2. This Resolution shall take effect immediately upon adoption.

Council Member _____ offered the foregoing resolution. Council Member_____ seconded the motion, and upon being put to a vote, the vote was as follows:

	Aye	Nay	Absent
BEVERLY "BEV" SMITH, MAYOR	□	□	□
GARY READY, VICE MAYOR	□	□	□
DOUG GUNTHER, MAYOR PRO TEM	□	□	□
PATTI WALLER, COUNCIL MEMBER	□	□	□
JONI BRINKMAN, COUNCIL MEMBER	□	□	□

The Mayor thereupon declared the Resolution duly passed and adopted this _____ day of _____2021.

VILLAGE OF PALM SPRINGS, FLORIDA

BY:_____
BEV SMITH, MAYOR

ATTEST:

BY:_____
KIMBERLY M. WYNN, VILLAGE CLERK

REVIEWED FOR FORM AND LEGAL SUFFICIENCY

BY:_____
GLEN J. TORCIVIA, VILLAGE ATTORNEY

PLANNING, ZONING & BUILDING STAFF REPORT

SUBJECT: Site Development Plan (Residential Planned Development Site Plan with Waivers)- Prairie Road Subdivision (aka Lox Landing) - 1974 Prairie Road

Application Summary			
Applicant / Petitioner	Lox Land Holdings, Inc.	Submittal Date	12/8/2020
Reference Name	Prairie Road Subdivision	Case Number	SPR21-11
		Parcel Control No	70-43-44-08-23-013-0020
Location	1974 Prairie Road	Site Area	±3.64 gross acres ±2.84 net acres
P&Z B Meeting	September 14, 2021	Council Meeting	October 14, 2021
Requests			
Proposed Use	Residential Planned Development Site Plan for construction of 16 two-story single-family homes.		
Number of Buildings	16 Buildings (approximately 1,385 SF. total)		
Waivers	1. Requesting a waiver from Sec.34-1064(c) to allow a 2.84-acre lot instead of 3-acre lot required. 2. Requesting a waiver from Sec.34-766(1) to allow the construction of 16 residential dwelling units within 2.84 acres instead of 3.18 acres minimum required within the RM district. 3. Requesting a waiver from Sec.34-1064(e)(b) to allow 10' side interior setbacks instead of the 20' setbacks required. 4. Requesting a waiver from Sec.34-1328 to allow drive aisles with 23' width instead of the 26' minimum width required.		

Parking			
Code	Required	Provided	Meets Requirement
Total Parking	Total of 50 spaces 2.5/ DU + 25% for guest	64 spaces total Two-Car Garage and Two-Car Driveway	Yes

Setbacks			
Code	Required Minimum	Proposed	Meets Requirement
Front Yard (West)	25'	48'1"	Yes
Rear Yard (East)	20'	215'4"	Yes
Side Yard (North & South)	20'	10'	No* (waiver requested)

Site Characteristics			
Existing Use	Vacant Lot	Proposed Use	Residential Single-Family Homes
Existing Zoning	Residential Multiple-Family (RM)	Proposed Zoning	Residential Multiple-Family (RM)
Existing Future Land Use	Low Density Residential	Proposed Future Land Use	Low Density Residential

Surrounding Existing Land Use, Future Land Use, and Zoning			
Direction	Existing Use	Future Land Use	Zoning District
North	Educational Facility	Low Density Residential	Residential Multiple Family (RM)
South	LWDD Canal	Unincorporated PBC	Unincorporated PBC
East	Single Family Homes	Unincorporated PBC	Unincorporated PBC
West	Single Family Homes	Low Density Residential	Residential Multiple Family (RM)

Recommendation

Planning, Zoning & Building Staff recommends conditional approval of the new residential planned development site plan, as depicted on the proposed site plan, based on consistency with the Village Comprehensive Plan and compatibility with surrounding uses.



Site History

- Ordinance 2001-14: Annexation

The property located at 1974 Prairie Road was annexed into the Village of Palm Springs on April 26, 2001, and designated with the Land Development as Residential Multiple-Family zoning district and Future Lan Use Low Density.

- Reasonable accommodation

On November 8, 2016, the Village Special Magistrate approved a reasonable accommodation request to increase the number of beds allowed at the property from 60 to 84 beds for an assisted living facility use. This approval was never utilized.

II. Comprehensive Plan Consistency

- The subject property Zoning and Future Land Use designation are Residential Multiple-Family (RM) and Low Density Residential, respectively. The net acreage of the property (± 2.84 acres), allows up to 16 dwelling units at the maximum intensity of the land use category (5.8 dwelling units per acre).

- The proposed Site Development Plan is generally consistent with goals, objective, and policies of the Village's Comprehensive Plan.

III. Waivers Requested

The applicant is seeking the following waivers:

Waiver #1: The applicant is requesting a waiver from Sec.34-1064(c) to allow the development of a 2.84-acre lot instead of 3 acre lot minimum required for a residential planned unit development (PUD).

Waiver #2: The applicant is requesting a waiver from Sec.34-766(1) to allow the construction of 16 residential dwelling units within 2.84 acres (123,710 sq.ft.) instead of the 3.18-acre (138,500 sq. ft.) minimum required within the RM district.

Waiver #3: The applicant is requesting a waiver from Sec.1064(e)(b) to allow a minimum interior side setback of 10' instead of the 20' setback required.

Waiver #4: The applicant is requesting a waiver from Sec.34-1328 to allow a 23' width drive aisle instead of the 26' minimum width required.

The applicant's full justification to the waivers is attached hereto.

a. The request is in harmony with and is consistent with the purpose and intent of the Village's Comprehensive Plan and Land Development Code and that such waiver will not be injurious to the area involved or otherwise detrimental to the public health, safety, and welfare.

Waiver 1: Waiver request to reduce the minimum acreage requirement for a residential PUD will not be injurious to the area or detrimental to public safety or welfare because it will allow the proposed residential development to be reviewed according to PUD standards and platted as such rather than as a straight subdivision. The sixteen (16) lots contained within the PUD are intended to be developed and sold as fee simple single-family homes.

Waiver 2: Waiver request to reduce the minimum lot size requirement for the development of 16 single family units will not be injurious to the area or detrimental to public safety or welfare because it will allow the proposed residential development to be constructed in accordance with the proposed PUD standards (see Waiver #1) while at the same time providing shared recreation areas, open space, and other community amenities not typically associated with standard subdivisions. The 16 lots contained within the PUD are intended to be developed and sold as fee simple single-family homes. The proposed request will not be injurious to the public welfare.

Waiver 3: The setback reductions being requested are consistent with single family developments along Prairie Road west, north, and south of the subject property (Floweva Street/Dolphin Circle, Prairie Key, and Zuma Road (unincorporated Palm Beach County)) and are thus consistent with the purpose and intent of the Village Code. This consistency will ensure that the proposed project will not be injurious to the public welfare.

Waiver 4: The 32 ft. wide right-of-way serving the proposed single-family development includes a 4-ft. wide sidewalk on the north and south, type "D" curbing, storm drain catch basins, and 23-ft. wide paved drive aisle. The 32-ft. wide-of-way also contains a T-turn-around at its eastern terminus for deliveries and fire rescue purposes. The requested waiver from the 26-ft. wide drive aisle requirements is deemed justified given the narrow width of the subject property and the intensity of uses it means to serve (16 single-family homes).

b. The request results from innovative design in which other minimum standards are exceeded.

Waiver 1: The innovative design for the proposed residential development of the subject property takes the form of the requested PUD. Even though the property does not meet the minimum acreage typically associated with residential PUDs, the request that the project be reviewed under the Village's PUD standards will ensure that the property is developed in a manner which exceeds minimum subdivision standards.

Waiver 2: The innovative design standard is met though the PUD request that provides for open space areas, recreation area, and parking that exceed minimum standards of the Village Code including open space, parking, and recreation area.

Waiver 3: The setback reductions being requested are consistent with single family developments along Prairie Road west, north, and south of the subject property (Floweva Street/Dolphin Circle, Prairie Key, and Zuma Road (unincorporated Palm Beach County)) and are thus consistent with the purpose of prior development in the area and intent of the Village Code. This consistency will ensure that the proposed project will not be injurious to the public welfare. Each single-family residence will have a 15-ft. side setback and a 7.5 ft. side setback which, coupled with the adjacent residences' 7.5 ft. setback, will have a 15-ft. setback from residence to residence. This design ensures that the setbacks are compatible with development in the area while exceeding minimum standards for open space, parking, and recreations area.

Waiver 4: The requested waiver is necessary due to the subject property's narrow width and insures that other minimum standard of the code are exceeded (i.e., open space, parking, and recreation area).

c. The request demonstrates that granting of the waiver will result in preservation of valuable natural resources, including drainage and recharge areas, natural areas, etc.

Waiver 1: The subject property does not contain valuable natural resources or areas that would otherwise be the subject of preservation efforts or requirements; thus, this standard is neutral in terms of the proposed design.

Waiver 2: Not Applicable.

Waiver 3: Not Applicable.

Waiver 4: Not Applicable.

d. The request demonstrates public benefits to be derived, including but not limited to such benefits as dedication of rights-of-way, extensions of pedestrian linkages outside of the project boundaries, preservation of open areas and use of desirable architectural, building, and site design techniques.

Waiver 1: The developer of the proposed PUD will be obligated to extend a pedestrian linkage in the form of a 6-ft. wide sidewalk that extends the entire distance of the property's frontage along Prairie Road. The sidewalk is subject to permits by the Village and Palm Beach County since construction will occur within the existing County right-of-way. This site does not contain preservable uplands and open space areas. Design of the project is consistent with single-family residences in the neighborhood.

Waiver 2: Not applicable other than extension of pedestrian linkage as described in Waiver #1.

Waiver 3: Not Applicable.

Waiver 4: Not Applicable.

e. The request provides sufficient screening and buffering to screen adjacent uses from adverse impacts caused by the granting of a waiver.

Waiver 1: Sufficient screening is provided around the perimeter of the site except for the backyards of the single-family lots. These backyards abut the school to the north which has installed a partial wall and fence extending along its southern boundary and a LWDD canal that separates to the proposed development from the single-family residences south of the canal. Each lot has sufficient space for the future homeowners to construct a fence or provide hedge material for screening.

Waiver 2: Sufficient screening is provided around the perimeter of the site except for the backyards of the single-family lots. These backyards abut the school to the north which has installed a partial wall and fence extending along its southern

boundary and a LWDD canal that separates to the proposed development from the single-family residences south of the canal. Each lot has sufficient space for the future homeowners to construct a fence or provide hedge material for screening.

Waiver 3: Sufficient screening is provided around the perimeter of the site except for the backyards of the single-family lots. These backyards abut the school to the north which has installed a partial wall and fence along its southern boundary and a LWDD canal that separates to the proposed development from the single-family residences south of the canal. Each lot has sufficient space for the future homeowners to construct a fence or provide hedge material for screening.

Waiver 4: Sufficient screening is provided around the perimeter of the site except for the backyards of the single-family lots. These backyards abut the school to the north which has installed a partial wall and fence extending along its southern boundary and a LWDD canal that separates to the proposed development from the single-family residences south of the canal. Each lot has sufficient space for the future homeowners to construct a fence or provide hedge material for screening.

f. Economic issues may not be used to justify waivers.

Waiver 1, 2, 3, & 4: No economic issues have been made part of the waiver requests or justification for the same.

g. The request is compatible with existing and potential land uses adjacent to the development site.

Waiver 1: The requested waiver is compatible with residential communities in the vicinity of the subject site in terms of scope and magnitude (unit type, density, etc.). Subject property bordered by water bodies on south and east side, and road right-of-way on west. Minimum acreage waiver will not affect adjacent uses.

Waiver 2: While the minimum lot area for the 16 lots is the subject of a waiver request, effects to adjacent properties (school, canal, waterbody, and right-of-way) will be minimal.

Waiver 3: While the minimum building setback from the structures to perimeter of the site is required to be 20 feet and 10 feet, the waiver request is justified in terms of the adjacent uses, i.e., school, canal, waterbody, and right-of-way. No adverse effects to adjacent properties are anticipated.

Waiver 4: Right-of-way buffer and perimeter buffers around open spaces, recreation area, and water management tract are all maintained and thus will have minimal impact on adjacent residential neighborhoods.

Staff supports the applicant's request based on the intent of the applicant to maximize the utilization of the land reducing the amount of impervious surface and consistency with the Village Comprehensive Plan allowing for innovative designs. Although the acreage is below the minimum required for 16 residential dwelling units, the property can still be developed in the proposed manner without any adverse impact to the surrounding properties.

IV. Neighborhood Compatibility

1) The proposed project is located on the east side of Prairie Road between Exuma Road and Prairie Key Road.
2) Surrounding properties are mostly residential.
3) The Village Center is located within one mile from the property.
4) A mix of different uses like general retail, restaurants, supermarkets, schools, and professional offices are located nearby along Forest Hill Boulevard and South Congress Avenue.
5) Public transportation via Palm Tran bus stops is available along Forest Hill Boulevard and South Congress Avenue within one mile from the property.

V. Regulatory Issues

- The site plan generally conforms to the property development standards of the Residential Planned Development.
  1) Proposed project plan generally meets required site development regulations.
  2) The applicant is responsible to acquire all applicable permits from all regulatory agencies with jurisdiction over the project site, including but not limited to Palm Beach County, LWDD and the Village of Palm Springs.
  3) Civil/Utility plans shall be approved by the Village's Engineer.
  4) The proposed development is located within the Airport Land Use Noise Zone (ALUNZ) for Palm Beach County Park Airport and within the Airport Regulated Area Zone 1 for PBIA and Lantana Airport.
  5) Proposed Site Plan meets the Traffic Performance Standards of Palm Beach County.
  6) Property shall be platted.

VI. Environmental Issues:

There are no environmental (wetlands, floodplains, etc.) issues identified.

VII. Community Outreach/ Notification

- The subject property was posted on September 4, 2021.
- Public Notification letters were mailed to all property owners within 300 feet radius of subject property on September 2, 2021.
- Legal advertisement was published in the paper on September 2, 2021.
- Staff has not received any inquiries or comments as a result of the notices.

VIII. Proposed Development Plan Details

The petitioner's development plans received on December 8, 2020, depicts the following:

- Application for Residential Planned Development Site Plan approval with 4 waivers for the construction of 16 single family dwelling units.
  1. Site Plan received on December 8, 2020, revised and resubmitted on September 2, 2021.
  2. Landscape plans received on December 8, 2020, revised and resubmitted on July 29, 2021.
  3. Engineering plans received December 8, 2020, revised and resubmitted on March 12, 2021.
  4. Floor Plans received December 8, 2020, revised and resubmitted on July 29, 2021.
  5. Photometric plan.
  6. Boundary and topographic survey.
  7. Traffic Analysis.
  8. Project narrative and Justification Statement of proposed use received on December 8, 2020, revised and resubmitted on September 2, 2021.
  9. Drainage calculations received December 8, 2020, revised and resubmitted on March 12, 2021.
  10. Stormwater Management Calculations received December 8, 2020, revised and resubmitted on March 12, 2021
  11. Common amenities detail plan.

IX. Recommendation

The applicant is proposing the development of the 2.84-acre parcel with the construction of 16 two-story single-family dwelling residences. The dwelling residences will be three-bedroom homes with a two-car garage and a driveway with space for two cars. The community will have one access driveway via the existing Prairie Road right-of-way. Amenities include a tot lot with playground equipment, a picnic area and an open grass play area for lawn games and sports.

Planning, Zoning & Building Staff has conducted a review of the application and found the proposed Residential Planned Development Site Plan to be generally consistent with goal, objectives and policies of the Village's Comprehensive Plan.

The proposed project is generally consistent with the Land Development and zoning regulations and all other portions of the code.

The proposed residential Multi-Family project provides internal sidewalk connections between the common amenities (kids play zone and picnic area) and the buildings to facilitate pedestrian circulation and safety. The proposed project provides open spaces creating common areas for passive/leisure activities. The proposed use does not significantly reduce light and air on adjacent properties and would not be a deterrent to surrounding properties. The new project does not negatively impact natural systems.

PZ&B Staff recommends conditional approval of the Residential Planned Development Site Plan with 4 waivers, for the construction of 16 single family residential dwelling subject to the following forty-two (42) conditions below and a suggestion for a voluntary monetary contribution, requested by the School District to mitigate school impacts:

1. Build out date December 31, 2024.
2. Notice of Actual Construction or Alteration form shall be filled out (form 7460) to determine if the project will be a hazard to air navigation, according to PBIA, and a final determination letter shall be provided to the Village at time of permitting.
3. The final plat shall be approved by the Village Council prior to issuance of a building permit.
4. The Final Plat shall be approved and recorded prior to any sales.
5. The common amenities (tot lot, kids play zone and picnic area) shall be completed in their entirety, open for use and accessible to the residents, prior to the issuance of the 6th Certificate of Occupancy (40% of the project)
6. A Utility/Civil Plan shall be approved by the Village Engineer and the Village Water Utility Department at time of permitting.
7. A right-of-way permit shall be obtained with Palm Beach County at time of permitting and submitted to the Village.
8. Garages shall be used for parking only. The HOA covenants/ deed restrictions shall include prohibit the conversion of garages into habitable spaces or used as storage.
9. The HOA covenants/ deed restrictions shall limit the installation of any additional impervious or semi-impervious surface to a maximum of 700 square feet (60% maximum permitted on each lot).
10. The HOA shall be responsible for all landscape maintenance, including mowing of private yards (this shall be included in the HOA documents).
11. Parking of oversized vehicles that do not fit within the typical parking stall (9'x18.5') shall also be prohibited.
12. Any/all legal instrument recorded shall include deed restrictions on the lots as follows:
    a. Garages shall remain as garages and shall not be converted to habitable space.
    b. Only two vehicles shall be parked in the driveways overnight and shall not be permitted to park on or block any sidewalk or drive aisles.
    c. There shall be no pools permitted.
    d. Boats, RV'S, or recreational vehicles shall only be permitted if parked in the garage.
13. The construction dumpster shall be only provided by Waste Pro USA, who is under franchise Agreement with the Village.
14. Conditions of approval stated in Village Engineer's letter (Engenuity Group, Inc.) issued on June 11, 2021 shall be satisfied at time of Civil/Utility application review.
15. No parking shall be allowed, under any circumstances, along the drive aisle. Residents and guest parking shall only occur within designated parking stalls, private driveways and private garages.
16. Palm Beach County "Digital Inclusion infrastructure" (broadband antenna and related facilities) shall be accommodated on the property (if location is determined to be desirable for broadband coverage by Palm Beach County or School District of Palm Beach County), prior to Certificate of Occupancy, and property owner shall voluntarily serve as a program partner (easement/agreement, electric) through the life of the program.
17. Any existing or proposed utility box/cabinet shall be screened from view, Staff recommends wrapping the cabinets/box with a match design accordingly with the existing/proposed location.
18. Any existing or proposed utility easement shall not overlap more than 5' the landscape buffer.
19. The property owner shall post a notice of annual boundary school assignments for students from this development. The district will provide an 11' x 17' sign to be posted in a clear and visible location in all sales

offices and models with the following:

"NOTICE TO HOMEBUYERS/TENANTS"

"School age children may not be assigned to the public school closest to their residences. School Board policies regarding overcrowding or other boundary policy decisions affect school boundaries. Please contact the Palm Beach School District Boundary Office at (561) 434-8100 for the most current school assignment(s)".

20. Photometric plans shall be approved by the Planning, Zoning and Building Department at time of permitting.
21. Landscaped areas shall be irrigated including but not limited to buffer, islands, planter boxes, etc.
22. The mail pickup and delivery system shall be approved by the United States Postal Service.
23. Irrigation plans shall be provided at the time of permitting. Non-potable water shall be used for the irrigation system per Village code.
24. Provide permits from all applicable permitting agencies, including but not limited to Lake Worth Drainage District, Palm Beach County, and Village of Palm Springs at the time of permitting.
25. The property owner shall register an Agent of Record, prior to issuance of a permit, to establish a contact person responsible for compliance with this Development Order, including site plan/landscape plan details and conditions of approval.
26. A copy of the NPDES Notice of Intent for Generic Permit shall be submitted to the PZB Department at time of permitting.
27. A stabilized surface shall be always provided during construction for access by emergency vehicles.
28. All mechanical equipment's and above-ground infrastructure shall be screened from view.
29. The Applicant may be required to undertake additional security measures, based on the number of complaints or calls for service for incidents at the premises, as determined by the Police Chief. Such additional security measures, as approved by the Police Chief, may include increased on-site security at the operator's sole expense.
30. Verify utility and easement locations to ensure that there are no conflicts with landscaping, revise at time of permitting as needed.
31. All electric utilities shall be underground.
32. A pre-construction meeting shall be scheduled with the Village Planning, Zoning & Building Development Department prior to commencement of any construction activity. Permits are required from the Planning, Zoning & Building Department prior to commencing any construction or renovation. The project shall be constructed in accordance with the FBC edition in effect at the time of permitting.
33. A silt barrier shall be installed around the perimeter of the property (within the affected area for the site improvements and new building construction) prior to commencement of any site work or construction activity, and a track pad shall be installed at the construction entrance(s), both of which shall remain through substantial completion.
34. Any sidewalk broken or damaged during construction shall be replaced by the contractor prior to CO.
35. The Landscaping shall be certified by the Landscape Architect upon completion and prior to Certificate of Occupancy/Certificate of Completion of each improvement area.
36. Absolutely no occupancy, other than construction personnel, is permitted prior to TCO/CO.
37. Photometrics must be certified by an engineer prior to CO.
38. The civil engineer of record shall certify the site construction prior to Certificate of Occupancy.
39. The applicant may be required to provide a resident inspector for structural elements such as concrete pours in accordance with Section 109.1.3 FBC 2010 and F.S. 553.791. Determination shall be made at time of pre-construction conference with Planning Zoning and Building Director.
40. The General Contractor shall be on site during all construction activity in accordance with FS 489.1195.
41. The project shall receive approval from all Authorities Having Jurisdiction and submit copies of approvals to the Village of Palm Springs.
42. At the time of CO, the petitioner shall provide the Planning, Zoning and Building Department with electronic copies of as-builts.

43. The School District has requested the Applicant offer a voluntary commitment to make a contribution of $48,382.00 to the School District of Palm Beach County prior to issuance of a building permit, based on School Capacity Availability Determination letter issued on May 28, 2021.

Project Narrative - Sec. 34-1063. - Performance standards.

Description of Project and Request

The property owner/applicant is requesting site plan approval for a single-family residential planned unit development (PUD) consisting of sixteen (16) lots that will each accommodate a single-family residence of approximately 1,385 sq. ft. The subject property is presently vacant and undeveloped and has no prior land development approvals. Access is provided via a single driveway connection to Prairie Road.

Land Use & Zoning

The subject property has a Future Land Use designation of Low-Density Residential and a Zoning designation of Residential – Multi-Family (RM), and as such, has a maximum allowable density of 5.7 units/acre.

Minimum Design Requirements and Standards

Property development regulations and supplemental regulations of the RM District with a PUD have been addressed in the accompanying site plan. All development standards and property development regulations have been met except where waivers are being requested for reasons justified in the waiver standards portion of this application. More specifically:

(1) Sidewalks are proposed on both sides of the access roadway that serves as the primary driveway and the proposed site plan demonstrates interconnectivity with other pedestrian ways, thus providing access to each home site and project amenities. A 6-ft. wide sidewalk will be constructed along Prairie Road.

(2) The 2.84-acre subject property consists of a single lot of record that is being proposed to be split into 16 single family lots, pursuant to site plan approval by the Village.

(3) A single driveway connection is proposed to provide access to Prairie Road, a local street extending north-south from Forest Hill Boulevard to Meadow Road. Each lot which will have ingress and egress to via this roadway to Prairie Road.

(4) Parking requirements based on 2.5 spaces per unit and 25% for guest parking have been met.

(5) No street parking is proposed. Each unit will have a 2-car garage with space to park 2 cars in the driveway leading to the garage.

(6) Pedestrian-scale street lighting along sidewalks and pedestrian ways is being provided (see lighting plan).

(7) Open space has been aggregated in the form of yards, entry features, buffer requirements and a centrally located recreation area providing common areas of sufficient size for passive/leisure activities, including a 9,026 sq. ft. outdoor recreation area and a total of 38% open space.

(8) Continuity of sidewalks and pathways are provided in the form of walkways to usable open spaces, recreation amenities or public facilities (bus stops along Prairie Road, if required by School District or Palm Tran).

(9) Residential setbacks are proposed that allow for a green, semi-private planting area between the sidewalk and residences.

(10) Streetscape where feasible is proposed, with maintenance agreements assigning responsibility to the homeowner's association.

(11) Design allows for the creation of bus waiting areas for safety, for school buses or mass transit, as may be applicable, via two open space areas at the project entrance.

(12) Building stepbacks or setbacks have been provided to respect existing scale and massing of adjacent neighborhoods and promote compatibility.

(13) Building design is consistent with single-family homes in the neighborhood and will not take the form of metal structures.

(14) Buffers between adjacent residential uses to include a fence (if desired) and landscaping to promote compatibility. A 10-ft wide landscape buffer is proposed along the north property line adjacent to the recreation and retentions areas. The neighboring property to the north has a concrete wall and fence constructed along its south property line

(15) Adequate vehicular circulation is provided in the form of an access road with t-turn around which does not negatively impact existing roadway conditions.

Waivers

(4) waivers are being requested which relate to lot size for a PUD, minimum acreage for number of proposed units, building setbacks and minimum drive aisle width, all of which are identified and justified in the companion waiver request.

PRAIRIE ROAD SUBDIVISION – WAIVER STANDARDS

Requested Waivers

1. Section 34-1064. Minimum acreage for residential planned unit development (PUD).

Code Requirement: 3 acres

Proposed: 2.84

Waiver Requested: 0.16 acres

2. Section 34-766 (1) Minimum lot size

Code requirement: 138,500 sq. ft. (3.18 acres) for 16 residential units

Proposed: 123,860 sq. ft.

Waiver Requested: 14,640 sq. ft.

3. Section 34-1064 (e) (b) Minimum perimeter setback

Code requirement: 20 feet

Proposed: 10 feet

Waiver requested 10 feet

4. Section 34-1328 Minimum Parking Drive Aisle Minimum Width

Code requirement: 26 feet

Proposed: 23 feet

Waiver requested: 3 feet

Waiver Standards

a. **The request is in harmony with and is consistent with the purpose and intent of the Village's Comprehensive Plan and Land Development Code and that such waiver will not be injurious to the area involved or otherwise detrimental to the public health, safety, and welfare.**

Waiver 1. Minimum PUD acreage.

Response: Waiver request to reduce the minimum acreage requirement for a residential PUD will not be injurious to the area or detrimental to public safety or welfare because it will allow the proposed residential development to be reviewed according to PUD standards and platted as such rather than as a straight subdivision. The sixteen (16) lots contained within the PUD are intended to be developed and sold as fee simple single-family homes.

Waiver 2. Deviation from minimum lot area for 16 dwelling units.

Response. Waiver request to reduce the minimum lot size requirement for the development of 16 single family units will not be injurious to the area or detrimental to public safety or welfare because it will allow the proposed residential development to be constructed in accordance with the proposed PUD standards (see Waiver #1) while at the same time providing shared recreation areas, open space and other community amenities not typically associated with standard subdivisions. The 16 lots contained within the PUD are intended to be developed and sold as fee simple single-family homes. The proposed request will not be injurious to the public welfare.

Waivers 3. Perimeter setback

Response: The setback reduction being requested is consistent with single family developments along Prairie Road west, north and south of the subject property (Floweva Street/Dolphin Circle, Prairie Key and Zuma Road (unincorporated Palm Beach County) and are thus consistent with the purpose and intent of the Village Code. This consistency will ensure that the proposed project will not be injurious to the public welfare.

Waiver 4. Required drive aisle width.

Response: The 32 ft. wide right-of-way serving the proposed single-family development includes a 4-ft. wide sidewalk on the north and south, Type "D" curbing, storm drain catch basins and 23-ft. wide paved drive aisle. The 32-ft. wide right-of-way also contains a T-turn-around at its eastern terminus for deliveries and fire rescue purposes. The requested waiver from the 26-ft. wide drive aisle requirements is deemed justified given the narrow width of the subject property and the intensity of uses it means to serve (16 single-family homes).

b. The request results from innovative design in which other minimum standards are exceeded.

Waiver 1. Minimum PUD acreage.

Response: The innovative design for the proposed residential development of the subject property takes the form of the requested PUD. Even though the property does not meet the minimum acreage typically associated with residential PUDs, the request that the project be reviewed under the Village's PUD standards will ensure that the property is developed in a manner which exceeds minimum subdivision standards.

Waiver 2. Deviation from minimum lot area for 16 dwelling units.

Response: The innovative design standard is met through the PUD request that provides for open space areas, recreation area and parking that exceed minimum standards of the Village Code including open space, parking and recreation area.

Waivers 3. Perimeter setback

Response: The setback reductions being requested are consistent with single family developments along Prairie Road west, north and south of the subject property (Floweva Street/Dolphin Circle, Prairie Key and Zuma Road (unincorporated Palm Beach County) and are thus consistent with the purpose of prior development in the area and intent of the Village Code. This consistency will ensure that the proposed project will not be injurious to the public welfare. Each single-family residence will have a 15-ft. side setback and a 7.5 ft. side setback which, coupled with the adjacent residence's 7.5 ft. setback, will have a 15-ft. setback from residence to residence. The waiver being requested is from the perimeter of the site to the single-family homes which requires a 20-ft. minimum setback while 10 ft. is being provided. This design ensures that the setbacks are compatible with development in the area while exceeding minimum standards for open space, parking and recreation area,

Waiver 4. Required drive aisle width.

Response: The requested waiver is necessary due to the subject property's narrow width and insures that other minimum standards of the code are exceeded (i.e. open space, parking and recreation area).

c. The request demonstrates that granting of the waiver will result in preservation of valuable natural resources, including drainage and recharge areas, natural areas, etc.

Waiver 1. Minimum PUD acreage.

Response: The subject property does not contain valuable natural resources or areas that would otherwise be the subject of preservation efforts or requirements; thus, this standard is neutral in terms of the proposed design.

Waiver 2: Deviation from minimum lot area for 16 dwelling units.

Response: Not applicable.

Waiver 3. Perimeter setback

Response: Not applicable.

Waiver 4: Required drive aisle width.

Response: Not applicable.

d. The request demonstrates public benefits to be derived, including but not limited to such benefits as dedication of rights-of-way, extensions of pedestrian linkages outside of the project boundaries, preservation of open areas and use of desirable architectural, building, and site design techniques.

Waiver 1. Minimum PUD acreage.

Response: The developer of the proposed PUD will be obligated to extend a pedestrian linkage in the form of a 6-ft. wide sidewalk that extends the entire distance of the property's frontage along Prairie Road. The sidewalk is subject to permits by the Village and Palm Beach County since construction will occur within the existing County right-of-way. The site does not contain preservable uplands and open space areas. Design of the project is consistent with single-family residences in the neighborhood.

Waiver 2. Deviation from minimum lot area for 16 dwelling units.

Response: Not applicable other than extension of pedestrian linkage as described in Waiver #1.

Waiver 3. Perimeter setback

Response: Not applicable.

Waiver 4: Required drive aisle width.

Response: Not Applicable.

e. The request provides sufficient screening and buffering to screen adjacent uses from adverse impacts caused by the granting of a waiver.

Waiver 1. Minimum PUD acreage.

Response: Sufficient screening is provided around the perimeter of the site except for the backyards of the single-family lots. These backyards abut the school to the north which has installed a partial wall and fence extending along its southern boundary and a LWDD canal that separates to the proposed development from the single-family residences south of the canal. Each lot has sufficient space for the future homeowners to construct a fence or provide hedge material for screening.

Waiver 2. Deviation from minimum lot area for 16 dwelling units.

Response: Sufficient screening is provided around the perimeter of the site except for the backyards of the single-family lots. These backyards abut the school to the north which has installed a partial wall and fence extending along its southern boundary and a LWDD canal that separates to the proposed development from the single-family residences south of the canal. Each lot has sufficient space for the future homeowners to construct a fence or provide hedge material for screening.

Waiver 3. Perimeter setback

Response: Sufficient screening is provided around the perimeter of the site except for the backyards of the single-family lots. These backyards abut the school to the north which has installed a partial wall and fence extending along its southern boundary and a LWDD canal that separates to the proposed development from the single-family residences south of the canal. Each lot has sufficient space for the future homeowners to construct a fence or provide hedge material for screening.

Waiver 4: Required drive aisle width.

Response: Sufficient screening is provided around the perimeter of the site except for the backyards of the single-family lots. These backyards abut the school to the north which has installed a partial wall and fence extending along its southern boundary and a LWDD canal that separates to the proposed development from the single-family residences south of the canal. Each lot has sufficient space for the future homeowners to construct a fence or provide hedge material for screening.

f. Economic issues may not be used to justify waivers.

Response: No economic issues have been made part of the waiver requests or justification for the same.

g. The request is compatible with existing and potential land uses adjacent to the development site.

Waiver 1. Minimum PUD acreage.

Response: The requested waiver is compatible with residential communities in the vicinity of the subject site in terms of scope and magnitude (unit type, density, etc.). Subject property bordered by water bodies on south and east side and road right-of-way on west. Minimum acreage waiver will not affect adjacent uses.

Waiver 2. Deviation from minimum lot area for 16 dwelling units.

Response: While the minimum lot area for the 16 lots is the subject of a waiver request, affects to adjacent properties (school, canal, waterbody and right-of-way will be minimal.

Waiver 3. Perimeter setback

Response: While the minimum building setback from structures to perimeter of the site is required to be 20 feet and 10 feet, the waiver request is justified in terms of the adjacent uses, i.e. school, canal, waterbody and right-of-way. No adverse effects to adjacent properties are anticipated.

Waiver 4: Required drive aisle width.

Response: Right-of-way buffer and perimeter buffers around open spaces, recreation area and water management tract are all maintained and thus will have minimal impact on adjacent residential neighborhoods.

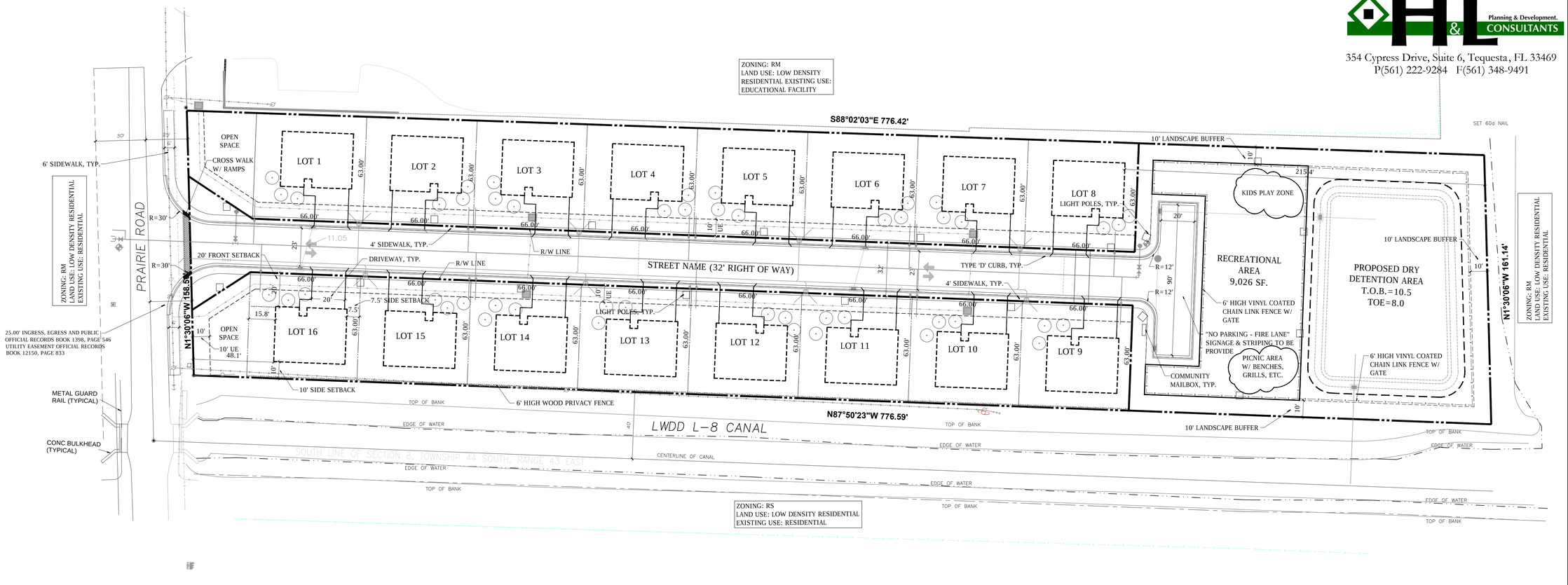
h. Waiver requests from minimum common amenity area requirements shall further demonstrate that adequate recreation area is available in the immediate vicinity of the proposed development.

Response: No deviation from the required common amenity area has been made part of the waiver requests or justification for the same.

i. **Waiver requests from maximum height limitations shall further demonstrate that the additional height will not adversely impact adjacent properties and appropriate setbacks are provided as building height increases.**

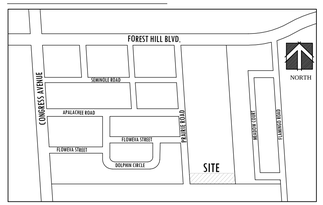
Response: No deviation from the allowable height of proposed residences is being requested.

Revised: September 1, 2021



HL Planning & Development. & CONSULTANTS
354 Cypress Drive, Suite 6, Tequesta, FL 33469
P(561) 222-9284 F(561) 348-9491

LOCATION MAP



PROJECT DATA:

PROJECT NAME:	PRAIRIE ROAD SUBDIVISION
PROPERTY ADDRESS:	1974 PRAIRIE ROAD
FLU DESIGNATION:	LOW RESIDENTIAL
EXISTING ZONING:	RM
SECTION, TOWNSHIP, RANGE:	8,44,43
PROPERTY CONTROL NUMBER (S):	70-43-44-08-23-013-0020
EXISTING USE:	VACANT
PROPOSED USE:	RESIDENTIAL PLANNED DEVELOPMENT SINGLE FAMILY
DEVELOPMENT ACREAGE (123,860 SF):	2.84 ACRES
TOTAL SITE DENSITY:	5.63 UNITS/AC.
TOTAL DWELLING UNITS:	16 UNITS
OPEN SPACE REQ.:	43,351 SF. (35%)
OPEN SPACE PROV.:	72,691 SF. (58.6%)
REC. AREA REQ:	8,670,2 SF.
REC. AREA PROV.:	9,026 SF.
LOT SUMMARY:	
BUILDING COVERAGE (MAX. 40%)	1,385 SF. (33%)
PAVEMENT/DRIVEWAY COVERAGE:	400 SF. (10%)
OPEN SPACE:	2,373 SF. (57%)
BUILDING HEIGHT (MAX. 35')	25' HT.
PERVIOUS AREA:	75,338 SF. (61%)
IMPERVIOUS AREA:	48,522 SF. (39%)
PARKING REQUIRED:	50 SPACES
SFR - 2.5 SP./UNIT @ 16 UNITS = 40 SPACES	
GUEST PARKING - 25% OF 40 SPACES = 10 SPACES	
PARKING PROVIDED:	64 SPACES

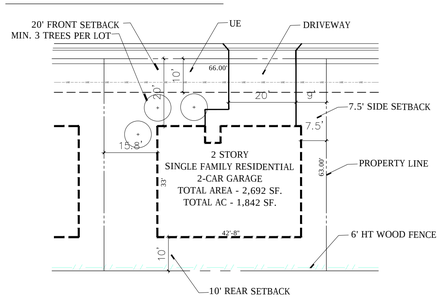
* EACH SFR TO BE DESIGNED W/ TWO-CAR GARAGE AND TWO-CAR DRIVEWAYS

WAVIERS:

	REQUIRED	PROPOSED	WAVIER
SEC. 34-1064(c) OVERALL LOT SIZE:	MIN. 3.0 AC.	2.84 AC.	0.16 AC.
SEC. 34-766(1) * LOT SIZE (RM):	138,500 SF (3.18 AC.)	123,860 SF. (2.84 AC.)	14,640 SF. (0.34 AC.)
SEC. 34-1064(e)(b) SETBACKS: SIDE SETBACK(S):	20'	10'	10'
SEC. 34-1328 DRIVE AISLES MIN. WIDTH	26'	23'	3'

* RM DISTRICT - 15,000 SF FOR FIRST 3 UNITS & 9,500 SF. PER ADDITIONAL UNIT

TYPICAL LOT LAYOUT:



NOTE: PURSUANT TO SEC. 34-161 (b), A LEAST THREE (3) TREES SHALL BE PROVIDED ON EACH SINGLE FAMILY LOT.

PROPERTY DEVELOPMENT REGULATIONS - SINGLE FAMILY LOT

MINIMUM LOT DIMENSIONS			FAR	BUILDING COVERAGE	PERVIOUS AREA	SETBACKS/SEPARATIONS			
LOT SIZE	WIDTH/FRONTAGE	DEPTH				FRONT	SIDE	SIDE STREET	REAR
4,158 SF.	66'	63'	N/A	33%	2,373 SF. (57%)	20'	7.5'	N/A	10'

Jason Litterick Digitally signed by Jason Litterick Date: 2020.10.01 11:11:16 -04'00'

Site Plan

0 15' 30' 60' 90' 120'

Scale: 1" = 30'

NORTH

Litterick Landscape Architecture
LC26000482
2740 SW Martin Downs Blvd. #199
Palm City, Fl 34990
561-719-3876
JasonLA1677@yahoo.com

PRAIRIE ROAD SUBDIVISION
Village of Palm Springs, Florida

Project Name

Landscape Architect of Record

REGISTERED LANDSCAPE ARCHITECT JASON M. LITTERICK LA 0001677 STATE OF FLORIDA

Jason M. Litterick, RLA (LA0001677)

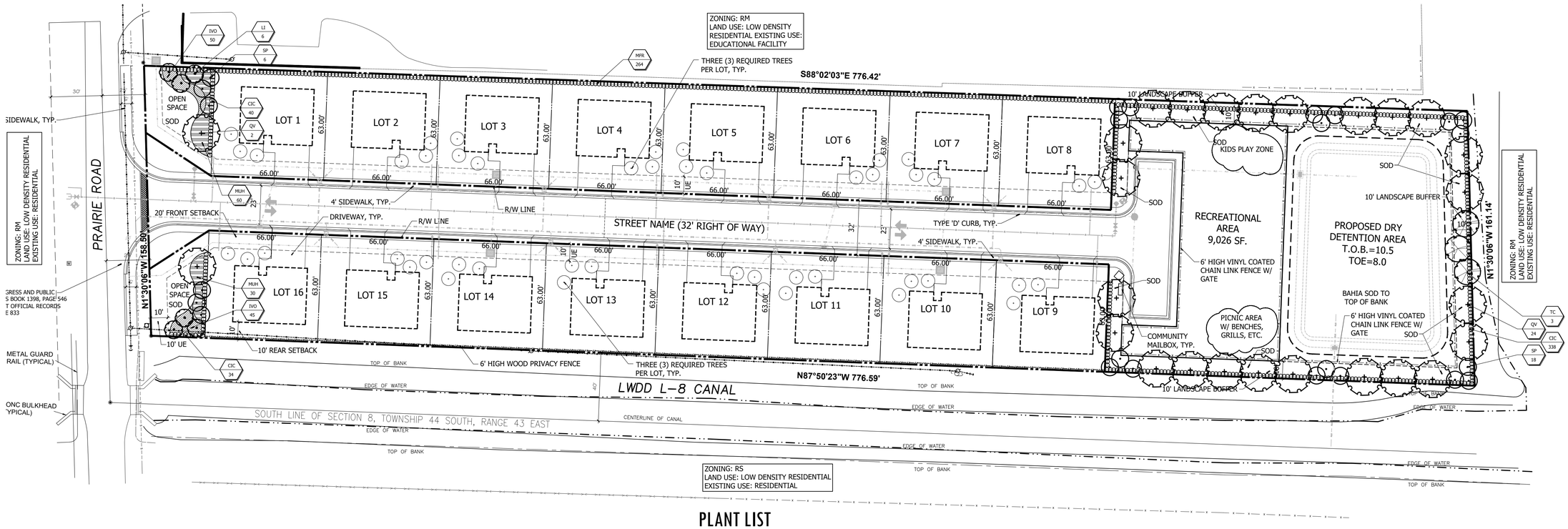
Scale: 1" = 30'-0"

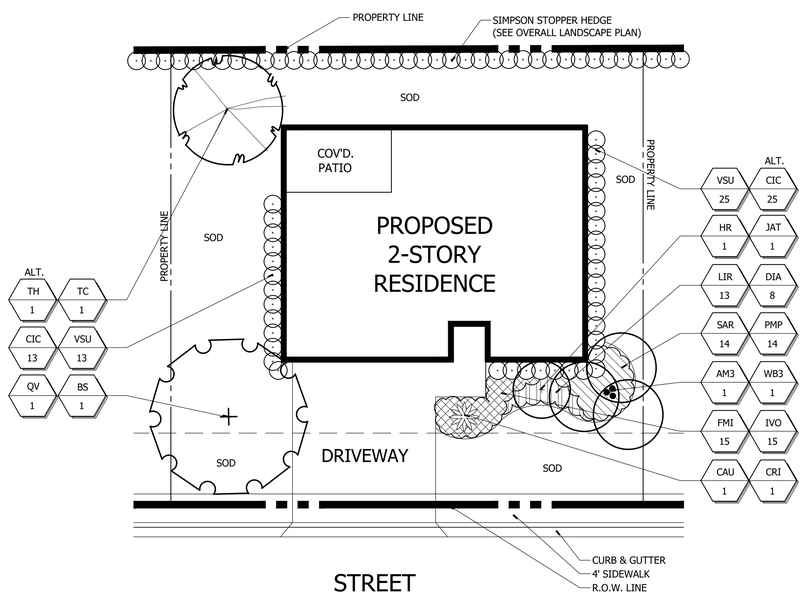
Designed:	JML
Drawn:	JML
Approved:	JML
Date:	09.08.20
Job no.	
Revisions:	02.02.21
	03.29.21
	05.24.21
	06.23.21
	09.01.21

Sheet No.

SP-1

H&L Planning & Development. CONSULTANTS
354 Cypress Drive, Suite 6, Tequesta, FL 33469
P(561) 222-9284 F(561) 348-9491





TYPICAL UNIT LANDSCAPE PLAN

SCALE: 1" = 10'

PLANT LIST

TREES/PALMS

	SYM	QTY.	BOTANICAL NAME	COMMON NAME	HEIGHT	SPR.	NOTES:
* V	QV	26	QUERCUS VIRGINIANA	LIVE OAK	12-14' HT.	5' MIN.	2.5" CALIPER, 5' CLEAR TRUNK AT PLANTING
* V	SP	24	SABAL PALMETTO	CABBAGE PALM	10'-16' C.T.	--	FULL & THICK, STAGGER HEIGHTS, SLICK TRUNK, HURRICANE CUT
V	LI	6	LAGERSTROEMIA INDICA 'MUSKOGEE'	CRAPE MYRTLE (STANDARD)	12' HT.	5' MIN.	FULL & THICK, SINGLE TRUNK STANDARD
V	TC	3	TABEBUIA CARAIBA	YELLOW TABEBUIA	12' HT.	5' MIN.	FULL & THICK

SHRUBS & GROUNDCOVERS

	KEY	QTY.	BOTANICAL NAME	COMMON NAME	HEIGHT	SPR.	O.C.	REMARKS
* V	CIC	412	CHRYSOBALANUS ICACO 'RED TIP'	RED TIP COCOPLUM	36" MIN.	18" MIN.	24"	FULL & THICK TO BASE
* V	MUH	90	MUHLENBERGIA CAPPILARIS	MUHLY GRASS	#3, 18" O.A.	18" MIN.	30"	FULL & THICK TO BASE
* V	IVO	95	ILEX VOMITORIA	DWF. YAUPON HOLLY	#3, 14" O.A.	14" MIN.	24"	FULL & THICK TO BASE
* V	MFR	264	MYRCIANTHES FRAGRANS	SIMPSON STOPPER	36" O.A.	18"	24"	FULL & THICK TO BASE

* ASTERISK DENOTES NATIVE PLANT MATERIAL
V INDICATES VERY DROUGHT TOLERANT PLANT MATERIAL
M INDICATES MODERATELY DROUGHT TOLERANT PLANT MATERIAL

NATIVE VEGETATION CALCULATIONS
PERCENTAGE OF NATIVE TREES: 80%
PERCENTAGE OF NATIVE SHRUBS: 100%
TOTAL PERCENTAGE OF NATIVE VEGETATION: 97.4%

SOD: ST. AUGUSTINE 'FLORITAM' (BAHIA WHERE NOTED)
MULCH: 3" SHREDDED MELALEUCA MULCH (OR APPROVED RECYCLED MULCH) TO BE APPLIED TO ALL PLANTING BEDS.

IRRIGATION NOTE:
ALL NEW LANDSCAPE AREAS SHALL BE RECEIVE 100% OVERLAP COVERAGE FROM A FULLY AUTOMATIC IRRIGATION SYSTEM EQUIPPED WITH A RAIN SENSOR.

IRRIGATION WATER SOURCE: WELL & PUMP

PLANT LIST (TYPICAL UNITS)

TREES/PALMS

	SYM	BOTANICAL NAME	COMMON NAME	HEIGHT	SPR.	NOTES:
* V	BS	BURSERA SIMARUBA	GUMBO LIMBO	12' O.A.	5' MIN.	FULL & THICK, 2" CAL., 5' C.T. AT PLANTING
* V	QV	QUERCUS VIRGINIANA	LIVE OAK	12' O.A.	5' MIN.	FULL & THICK, 2" CAL., 5' C.T. AT PLANTING
V	TH	TABEBUIA HETEROPHYLLA	PINK TABEBUIA	12' HT.	5' MIN.	FULL & THICK, 2" CAL., 5' C.T. AT PLANTING
V	TC	TABEBUIA CARAIBA	YELLOW TABEBUIA	12' HT.	5' MIN.	FULL & THICK, 2" CAL., 5' C.T. AT PLANTING
M	VM3	VIETCHIA MONTGOMERYAMA	MONTGOMERY PALM (TRIPLE)	12' HT.	-	FULL & THICK, TRIPLE TRUNK (6' C.T. MIN.)
M	WB3	WODYETIA BIFURCATA	FOXTAIL PALM (TRIPLE)	12' HT.	-	FULL & THICK, TRIPLE TRUNK (6' C.T. MIN.)
M	HR	HIBISCUS ROSA-SINENSIS	PINK HIBISCUS STD.	6' O.A.	3'	FULL & THICK, STANDARD (3' C.T.)
M	JA	JATROPHA	JATROPHA STANDARD	6' O.A.	3'	FULL & THICK, STANDARD (3' C.T.)

SHRUBS & GROUNDCOVERS

	KEY	BOTANICAL NAME	COMMON NAME	HEIGHT	SPR.	O.C.	REMARKS
* V	CIC	CHRYSOBALANUS ICACO 'RED TIP'	RED TIP COCOPLUM	36" MIN.	18" MIN.	24"	FULL & THICK TO BASE
M	VSU	VIBURNUM SUSPENSUM	SANDANKWA VIBURNUM	#3, 24" O.A.	18" MIN.	24"	FULL & THICK TO BASE
* V	IVO	ILEX VOMITORIA	DWF. YAUPON HOLLY	#3, 14" O.A.	14" MIN.	24"	FULL & THICK TO BASE
M	FMI	FICUS MICRCARPA 'GRN. ISL.'	GREEN ISLAND FICUS	#3, 14" O.A.	14" MIN.	24"	FULL & THICK TO BASE
M	CAU	CRINUM AUGUSTUM 'QUEEN EMMA'	QUEEN EMMA CRINUM LILY	#15, 4' O.A.	4'	A.S.	FULL & THICK TO BASE
M	CRI	CRINUM ASIATICUM	GREEN CRINUM LILY	#15, 36" O.A.	36"	A.S.	FULL & THICK TO BASE
M	SAR	SCHEFFLERA ARBORICOLA 'TRINETTE'	VAR. ARBORICOLA	#3, 20" O.A.	18"	24"	FULL & THICK TO BASE
M	PMP	PODOCARPUS MACROPHYLLUS 'PRINGLES'	DWF. PODOCARPUS	#3, 14" O.A.	14"	24"	FULL & THICK TO BASE
M	LIR	LIRIOPE MUSCARI	GREEN LIRIOPE	#3, 14" O.A.	14"	18"	FULL & THICK TO BASE
M	DIA	DIANELLA TASMANICA	BLUEBERRY FLAX LILY	#3, 14" O.A.	14"	24"	FULL & THICK TO BASE

LANDSCAPE NOTES

1. ALL PLANT MATERIAL SHALL BE FLORIDA NUMBER 1 OR BETTER AS DEFINED BY THE DIVISION OF PLANT INDUSTRY 'GRADES AND STANDARDS' LATEST EDITION.

2. ALL LANDSCAPE SHALL CONFORM TO THE REQUIREMENTS OF VILLAGE OF PALM SPRINGS LAND DEVELOPMENT REGULATIONS.

3. THE LANDSCAPE CONTRACTOR SHALL NOT MAKE ANY SUBSTITUTIONS CHANGES WITHOUT THE AUTHORIZATION OF THE VILLAGE OF PALM SPRINGS, THE OWNER AND THE LANDSCAPE ARCHITECT.

4. THE LANDSCAPE CONTRACTOR SHALL REVIEW THE PROJECT DRAINAGE AND UTILITY PLANS PRIOR TO CONSTRUCTION AND AVOID ALL CONFLICTS. THE LANDSCAPE CONTRACTOR SHALL VERIFY THE LOCATION OF ALL UNDERGROUND UTILITIES PRIOR TO COMMENCING WORK.

5. THE LANDSCAPE CONTRACTOR SHALL BE RESPONSIBLE FOR ALL PERMITS.

6. ALL TREES SHALL BE LOCATED WITHIN A MULCH PLANTING BED WITH A MINIMUM OF TWO (2) FEET OF CLEARANCE TO THE EDGE OF THE BED.

7. ALL SOD SHALL BE STENOTAPHRUM SECONDATUM FLORITAM (ST. AUGUSTINE SOD).

8. ALL VEGETATION SHALL BE SELECTED AND POSITIONED SO THAT IT DOES NOT PRESENT OBSTRUCTIONS TO THE LINE OF SIGHT AT INTERSECTIONS PURSUANT TO FLORIDA DEPARTMENT OF TRANSPORTATION SIGHT LINE GUIDELINES.

9. CLEAR VISIBILITY SHALL BE MAINTAINED BETWEEN 18" AND 8' WITHIN SIGHT VISIBILITY TRIANGLES. TWENTY BY TWENTY FOOT SIGHT VISIBILITY TRIANGLES SHALL BE PROVIDED AT THE INTERSECTIONS WITH THE PUBLIC RIGHT OF WAY. IN ADDITION, ALL LANDSCAPING SHALL CONFORM TO THE REQUIREMENTS OF FOOT INDEX 546.

10. ALL LANDSCAPE ISLANDS AND BEDS WILL BE FREE OF SHELL ROCK AND CONSTRUCTION DEBRIS, EXCAVATED TO A DEPTH OF 30 INCHES OR TO CLEAN NATIVE SOILS AND FILLED WITH THE SPECIFIED BACKFILL MIXTURE.

11. ALL PROPOSED LANDSCAPE AREAS SHALL RECEIVE 100% OVERLAP COVERAGE FROM A FULLY AUTOMATIC IRRIGATION SYSTEM EQUIPPED WITH A RAIN SENSING DEVICE ACCORDING TO LOCAL AND STATE CODES. IRRIGATION WATER SHALL BE PULLED FROM A WELL SOURCE.

12. ALL ABOVE GROUND UTILITIES SHALL BE SCREENED FROM VIEW ON THREE SIDES WITH AN APPROPRIATE HEDGE MATERIAL HEIGHT OF PLANT MATERIAL AT TIME OF INSTALLATION SHALL BE AT LEAST AS TALL AS THE UTILITY BEING SCREENED AND SHALL BE SPACED APPROPRIATELY IN ORDER TO PROVIDE COMPLETE SCREENING OF UTILITY WITHIN ONE YEAR OF INSTALLATION.

13. ALL TREES NOT LOCATED WITHIN A LANDSCAPE BED SHALL RECEIVE A 4-5' DIA. MULCH RING.

14. ALL EXOTIC AND NUISANCE VEGETATION SHALL BE REMOVED FROM SUBJECT PROPERTY PRIOR TO ANY CERTIFICATE OF OCCUPANCY.

Landscape Plan

0 15' 30' 60' 90' 120'

Scale: 1" = 30'

NORTH

REFER TO SHEET LP-2 FOR LANDSCAPE SPECIFICATIONS & PLANTING DETAILS

Litterick Landscape Architecture
LC26000482
2740 SW Martin Downs Blvd. #199
Palm City, Fl 34990
561-719-3876
JasonLA1677@yahoo.com

PRAIRIE ROAD SUBDIVISION
Village of Palm Springs, Florida

Project Name

Landscape Architect of Record
REGISTERED LANDSCAPE ARCHITECT JASON M. LITTERICK LA 0001677 STATE OF FLORIDA
Jason M. Litterick, RLA
(LA0001677)

Scale: 1" = 30'-0"

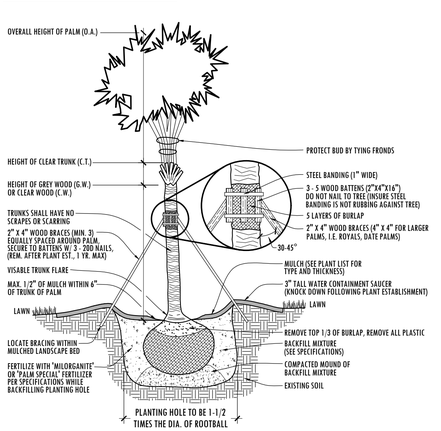
Designed:	JML
Drawn:	JML
Approved:	JML
Date:	9/30/20
Job no.	
Revisions:	2/1/21
	3/29/21
	5/24/21
	6/24/21

Sheet No.
LP-1

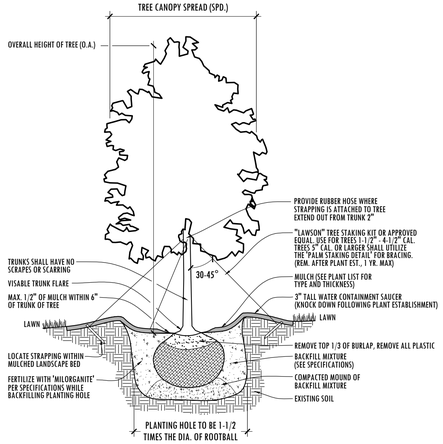
PLANT LIST

REFER TO SHEETS LP-1 FOR PLANT LIST

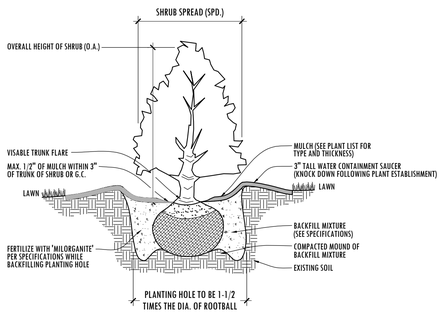
PLANTING DETAILS



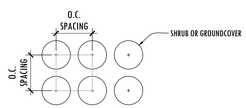
PALM PLANTING DETAIL



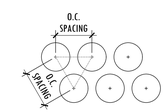
TREE PLANTING DETAIL



SHRUB & GROUNDCOVER PLANTING DETAIL



PERPENDICULAR (90°) PLANT SPACING



TRIANGULAR PLANT SPACING (RECOMMENDED)

PLANTING SPECIFICATIONS

1. SCOPE OF WORK

LANDSCAPE CONTRACT WORK INCLUDES, BUT IS NOT LIMITED TO, SOIL PREPARATION, FINE OR FINISH GRADING, FURNISHING AND INSTALLING PLANT MATERIAL, WATERING, STAKING, GUYING AND MULCHING.

ALL LABOR AND MATERIAL FOR SOIL AMENDMENTS AND FERTILIZER THAT IS REQUIRED TO INSURE THE SUCCESSFUL ESTABLISHMENT AND SURVIVAL OF THE PROPOSED VEGETATION, AS WELL AS ALL THE COST FOR THE REMOVAL OF UNSUITABLE OR EXCESS BACKFILL MATERIAL, SHALL BE INCLUDED IN THE CONTRACTOR'S BID TO PERFORM THE WORK REPRESENTED IN THIS PLAN SET.

2. QUALITY ASSURANCE

LANDSCAPE CONTRACTOR MUST BE REGULARLY ENGAGED IN THE INSTALLATION OF LIVING PLANT MATERIAL. LABOR CREWS SHALL BE CONTROLLED AND DIRECTED BY A LANDSCAPE FOREMAN WELL VERSED IN LANDSCAPE INSTALLATION, PLANT MATERIALS, READING PLANS AND COORDINATION BETWEEN THE JOB AND NURSERY.

THE LANDSCAPE CONTRACTOR AND IRRIGATION CONTRACTOR SHALL REVIEW LAYOUT AND SCHEDULING PRIOR TO INSTALLATION OF MATERIAL. MINOR ADJUSTMENT TO IRRIGATION DESIGN MAY BE MADE IN RESPONSE TO THE NEEDS OF SPECIFIC PLANT MATERIAL. THE LANDSCAPE ARCHITECT MUST BE NOTIFIED OF SUCH CHANGES.

3. MATERIALS

PLANT SIZE AND QUALITY
PLANT SPECIES AND SIZES SHALL CONFORM TO THOSE INDICATED ON THE DRAWINGS, NOMENCLATURE SHALL CONFORM TO STANDARD PLANT NAMES, 1942 EDITION. ALL NURSERY STOCK SHALL BE IN ACCORDANCE WITH GRADES AND STANDARDS FOR NURSERY PLANTS PARTS I & II, LATEST EDITION PUBLISHED BY THE FLORIDA DEPARTMENT OF AGRICULTURE AND CONSUMER SERVICES, UNLESS SPECIFIED OTHERWISE. ALL PLANTS SHALL BE FLORIDA GRADE NUMBER 1 OR BETTER AS DETERMINED BY THE FLORIDA DIVISION OF PLANT INDUSTRY. TIGHTLY KNIT PLANT, SO TRAINED OR FAVORED IN ITS DEVELOPMENT THAT FIRST APPEARANCE IS UNQUESTIONABLE AND IT IS OUTSTANDINGLY SUPERIOR IN FORM, NUMBER OF BRANCHES, COMPACTNESS AND SYMMETRY. ALL PLANTS SHALL BE FRESHLY DUG, SOUND, HEALTHY, VIGOROUS, WELL BRANCHED AND FREE OF DISEASE AND INSECT EGGS AND LARVAE AND SHALL HAVE ADEQUATE ROOT SYSTEMS. TREES AND PALMS FOR PLANTING ROWS SHALL BE UNIFORM IN SIZE AND SHAPE. ALL MATERIALS SHALL BE SUBJECT TO APPROVAL BY THE LANDSCAPE ARCHITECT. THE PLANTS FURNISHED SHALL BE NORMAL FOR THE VARIETY AND FLORIDA NUMBER 1. PLANTS SHALL BE PRUNED PRIOR TO DELIVERY ONLY UPON THE APPROVAL OF THE LANDSCAPE ARCHITECT. ALL PLANTS SHALL BE FREE OF WEEDS OR ANY OTHER OBJECTIONABLE VEGETATION.

ALL CONTAINER GROWN MATERIAL SHALL BE HEALTHY, VIGOROUS, WELL-ROOTED PLANTS AND ESTABLISHED IN THE CONTAINER IN WHICH THEY ARE SOLD. THE PLANTS SHALL HAVE TOPS OF GOOD QUALITY AND BE IN A HEALTHY GROWING CONDITION.

CONTAINER GROWN PLANTS SHALL HAVE A DEVELOPED ROOT STRUCTURE SO THAT THE ROOT MASS STAYS IN TACT WHEN REMOVED FROM CONTAINER. IN NO CASE SHALL THE PLANT CONTAIN CIRCLING ROOTS NOR BE ROOT-BOUND.

QUANTITIES
ALL QUANTITIES INDICATED ON THE PLANT LIST ARE INTENDED AS A GUIDE FOR THE BIDDERS AND DOES NOT RELIEVE THE BIDDER OF HIS RESPONSIBILITY TO DO A COMPREHENSIVE PLANT TAKE OFF. SHALL A DISCREPANCY OCCUR BETWEEN THE BIDDER'S TAKE OFF AN THE PLANT LIST QUANTITY, THE LANDSCAPE ARCHITECT IS TO BE NOTIFIED FOR CLARIFICATION PRIOR TO THE SUBMISSION OF THE BID.

MULCH
MULCH SHALL BE A SHREDDED VARIETY AS SPECIFIED IN THE PLANT LIST. ALL MULCH IS TO BE APPLIED TO A DEPTH OF 3" EXCEPT FOR THOSE SPECIFIC SITUATIONS SHOWN BELOW IN SECTION 4 AND IN PLANTING DETAILS.

FERTILIZER
FERTILIZER IN BACKFILL MIXTURE FOR ALL PLANTS SHALL CONSIST OF 'MILORGANITE' ACTIVATED SLUDGE MIXED WITH THE BACKFILL AT A RATE OF NOT LESS THAN 50 LBS. PER CUBIC YARD.

FERTILIZER FOR TREES AND SHRUBS MAY BE TABLET FORM OR GRANULAR. GRANULAR FERTILIZER SHALL BE UNIFORM IN COMPOSITION, DRY AND FREE-FLOWING. THIS FERTILIZER SHALL BE DELIVERED TO THE SITE IN THE ORIGINAL UNOPENED BAGS, EACH BEARING THE MANUFACTURER'S STATEMENT OF ANALYSIS. FERTILIZE ALL NEW PLANTINGS PER RATES SHOWN BELOW:

TREES:
FERTILIZE NEW TREES WITH 'MILORGANITE' AT THE FOLLOWING RATES:
- 8' AND SMALLER: 2-4 LBS.
- 8'-12' TALL: 4-6 LBS.
- 12' AND TALER: 6-8 LBS.

(3 CUPS = 1 LB.)

SHRUBS:
FERTILIZE NEW SHRUBS AND ACCENTS WITH 'MILORGANITE' AT THE FOLLOWING RATES:
- 4-6" POTS: 1 CUP
- 1 GAL.: 1 CUP
- 3 GAL.: 1 CUP
- 7-10 GAL.: 2 CUPS
- 15 GAL. AND GREATER: 3 CUPS

PALM TREES:
FERTILIZE NEW PALM TREES WITH A "PALM SPECIAL" FERTILIZER IN SLOW RELEASE FORM. FERTILIZER SHALL CONTAIN AN ADDITIONAL MAGNESIUM AND MICRO-NUTRIENT AMENDMENT

SOIL
PLANTING SOIL SHALL BE SANDY LOAM AND SHALL CONTAIN A 25% MINIMUM AMOUNT OF DECOMPOSED ORGANIC MATTER. PLANTING SOIL SHALL BE FREE OF CLAY, STONES, PLANTS, ROOTS AND OTHER FOREIGN MATERIALS WHICH MIGHT BE A HINDRANCE TO PLANTING OPERATIONS OR BE DETRIMENTAL TO GOOD PLANT GROWTH. SOIL SHALL BE DELIVERED IN A LOOSE FRIABLE CONDITION AND APPLIED IN ACCORDANCE WITH THE PLANTING SPECIFICATIONS.

ALL SHRUBS, TREES AND GROUND COVER WILL HAVE IMPROVED SOIL AS PER PLANTING SOIL NOTES. THE SOILS SHALL BE PLACED IN THE HOLE DURING PLANTING. TOP DRESSING ONLY IS NOT ACCEPTABLE.

DO NOT ALLOW AIR POCKETS TO FORM WHEN BACKFILLING. ALL TREES SHALL BE SPIKED IN UTILIZING WATER AND A TREE BAR.

WATER
WATER FOR PLANTING WILL BE AVAILABLE AT THE SITE AND WILL BE PROVIDED BY THE OWNER. LANDSCAPE CONTRACTOR SHALL NOT ASSUME THAT THE IRRIGATION SYSTEM WILL BE OPERATIONAL AT THE TIME OF PLANTING. IT IS THE RESPONSIBILITY OF THE LANDSCAPE CONTRACTOR TO PROVIDE ALL THE REQUIRED WATER NECESSARY TO MAINTAIN THE PLANT MATERIAL IN A HEALTHY GROWING CONDITION. THE WATERING MAY INCLUDE DEEP WATERING OF TREES ANT THE WATERING OF SHRUB AND GROUND COVER AREAS. ANY PLANT MATERIALS THAT DIE OR THAT ARE NOT IN A HEALTHY GROWING CONDITION DUE TO LACK OF WATER SHALL BE REPLACED BY THE LANDSCAPE CONTRACTOR AT NO ADDITIONAL COST TO THE OWNER.

4. EXECUTION

FIELD GROWN TREES AND PALMS PREVIOUSLY ROOT PRUNED SHALL OBTAIN A ROOT BALL WITH SUFFICIENT ROOTS FOR CONTINUED GROWTH WITHOUT RESULTING SHOCK.

CONTRACTOR SHALL NOT MARK OR SCAR TRUNK IN ANY FASHION.

PLANTS SHALL BE WATERED AS NECESSARY OR WITHIN 24 HOURS AFTER NOTIFICATION BY THE LANDSCAPE ARCHITECT.

THE LOCATIONS OF PLANTS, AS SHOWN IN THESE PLANS, ARE APPROXIMATE. THE FINAL LOCATIONS MAY BE ADJUSTED TO ACCOMMODATE UNFORESEEN FIELD CONDITIONS. MAJOR ADJUSTMENTS TO THE LAYOUT ARE TO BE APPROVED BY THE LANDSCAPE ARCHITECT.

ALL PLASTIC FABRIC SHALL BE REMOVED FROM PLANT MATERIAL AT TIME OF INSTALLATION.

ALL TREES MUST BE STAKED AS SHOWN ON THE PLANTING DETAILS WITHIN 24 HOURS OF PLANTING. STAKES TO REMAIN FOR A MINIMUM OF 9 MONTHS, BUT NO LONGER THAN 18 MONTHS. CONTRACTOR IS RESPONSIBLE FOR MAINTENANCE AND REMOVAL OF THE STAKES.

ALL TREES MUST BE PRUNED AS PER LANDSCAPE ARCHITECT'S DIRECTION. SABAL PALMS MAY BE HURRICANE CUT.

ALL SHRUBS, TREES AND GROUND COVER WILL HAVE IMPROVED SOIL AS PER PLANTING SOIL NOTES. THE SOILS SHALL BE PLACED IN THE HOLE DURING PLANTING. TOP DRESSING ONLY IS NOT ACCEPTABLE.

DO NOT ALLOW AIR POCKETS TO FORM WHEN BACKFILLING. ALL TREES SHALL BE SPIKED IN UTILIZING WATER AND A TREE BAR.

AFTER FINAL SETTLING OF BALLED AND BURLAPED PLANTS, LOOSEN BURLAP WRAPPING EXPOSING THE TOP OF THE ROOTBALL, LEAVING THE BALL UNBROKEN. REMOVE EXCESS AMOUNTS OF BURLAP TO ELIMINATE VOIDS WHICH MAY BE CAUSED UPON DECOMPOSITION.

CONTAINER GROWN PLANTS SHALL, WHEN DELIVERED, SHALL WAVE SUFFICIENCY GROWTH TO HOLD EARTH INTACT WHEN REMOVED FROM CONTAINER AND SHALL NOT BE ROOT BOUND. PLANT PITS FOR CONTAINER MATERIALS SHALL BE FORMED FLAT ON THE BOTTOM TO AVOID AIR POCKETS AT THE BOTTOM OF ROOT BALLS AND CONTAINERS SHALL BE REMOVED CAREFULLY TO PREVENT DAMAGE TO THE PLANT OR ROOT SYSTEMS.

TEST TREE PITS WITH WATER BEFORE PLANTING TO ASSURE PROPER DRAINAGE PERCOLATION IS AVAILABLE. PITS WHICH ARE FOUND NOT TO BE ADEQUATELY DRAINING SHALL BE EXCAVATED TO A A DEPTH SUFFICIENT FOR DRAINAGE AND BACKFILLING WITH GRAVEL OR CRUSHED ROCK. NO ALLOWANCES WILL BE MADE FOR LOST PLANTS DUE TO IMPROPER DRAINAGE.

PLANTING BED PREPARATION
ALL PLANTING BEDS SHALL BE PROPERLY PREPARED PRIOR TO THE COMMENCEMENT OF ANY PLANTING. PLANTING AREAS, INCLUDING LAWNS SHALL BE FREE OF ALL WEEDS AND NUISANCE VEGETATION. IF TORPEDO GRASS (PANICUM REPENS) IS PRESENT OR ENCOUNTERED DURING PLANTING, THE LANDSCAPE CONTRACTOR SHALL STOP ALL PLANTING UNTIL IT CAN BE DEMONSTRATED THAT IT HAS BEEN COMPLETELY REMOVED OR ERADICATED. THERE SHALL BE NO EXCEPTIONS TO THIS PROVISION.

ALL LANDSCAPE ISLANDS AND BEDS WILL BE FREE OF SHELL ROCK AND CONSTRUCTION DEBRIS AND WILL BE EXCAVATED TO A DEPTH OF 30 INCHES OR TO CLEAN, NATIVE SOIL AND FILLED WITH THE SPECIFIED BACKFILL MIXTURE.

PLANTING TREES

EXCAVATE PIT AS PER PLANTING DETAILS. COMPACT LAYER OF TOPSOIL IN PIT WITH A SLIGHTLY DISHED GRADE TO CENTER.

BACKFILL AROUND BALL WITH TOPSOIL AND SLIGHTLY COMPACT, WATER THOROUGHLY AS LAYERS ARE PLACED TO ELIMINATE VOIDS AND AIR POCKETS. BUILD A 6" HIGH BERM OF TOPSOIL BEYOND EDGE OF EXCAVATION. APPLY 3" (AFTER SETTLEMENT) OF MULCH.

PRUNE TREE TO REMOVE DAMAGED BRANCHES, IMPROVE NATURAL SHAPE AND THIN OUT STRUCTURE. DO NOT REMOVE MORE THAN 15% OF BRANCHES. DO NOT PRUNE BACK TERMINAL LEADER.

GUY AND STAKE TREE IN ACCORDANCE WIT THE STAKING DETAILS IMMEDIATELY AFTER PLANTING.

PLANTING SHRUBS

LAYOUT SHRUBS TO CREATE A CONTINUOUS SMOOTH FRONT LINE AND FILL IN BEHIND.

EXCAVATE PIT OR TRENCH TO 1-1/2 TIMES THE DIAMETER OF THE BALLS OR CONTAINERS OR 1'-0" WIDER THAN THE SPREAD OF ROOTS AND 3" DEEPER THAN REQUIRED FOR POSITIONING AT PROPER HEIGHT. COMPACT A LAYER OF TOPSOIL IN BOTTOM BEFORE PLACING PLANTS. BACKFILL AROUND PLANTS WITH PLANTING MIXTURE, COMPACTED TO ELIMINATE VOIDS AND AIR POCKETS. FORM GRADE SLIGHTLY DISHED AND BERMED AT EDGES OF EXCAVATION. APPLY 3" OF MULCH.

PRUNE SHRUBS TO REMOVE DAMAGED BRANCHES, IMPROVE NATURAL SHAPE AND THIN OUT STRUCTURE. DO NOT REMOVE MORE THAN 15% OF BRANCHES.

PLANTING GROUND COVER

LOOSEN SUBGRADE TO DEPTH OF 4" IN AREAS WHERE TOPSOIL HAS BEEN STRIPPED AND SPREAD SMOOTH.

SPACE PLANTS AS OTHERWISE INDICATED. DIG HOLES LARGE ENOUGH TO ALLOW SPREADING OF ROOTS. COMPACT BACKFILL TO ELIMINATE VOIDS AND LEAVE GRADE SLIGHTLY DISHED AT EACH PLANT. WATER THOROUGHLY. APPLY 3" OF MULCH OVER ENTIRE PLANTING BED, LIFTING PLANT FOLIAGE ABOVE MULCH. PURPLE QUEEN GROUNDCOVER, IF SPECIFIED, SHALL ONLY RECEIVE 1" OF MULCH.

DURING PERIODS OF HOT SUN AND/OR WIND AT TIME OF PLANTING, PROVIDE PROTECTIVE COVER FOR SEVERAL DAYS OR AS NEEDED.

PLANTING SOD

SODDING: SOD TYPE SPECIFIED ON PLANT LIST SHALL BE MACHINE STRIPPED NOT MORE THAN 24 HOURS PRIOR TO LAYING. SOD SHALL BE FIRM, TOUGH TEXTURE, HAVING A COMPACT GROWTH OF GRASS WITH GOOD ROOT DEVELOPMENT, AND SHALL CONTAIN NO BERMUDA GRASS, WEEDS OR ANY OTHER OBJECTIONABLE VEGETATION.

LOOSEN SUBGRADE TO DEPTH OF 4" AND GRADE WITH TOPSOIL EITHER PROVIDED ON SITE OR IMPORTED TO FINISH DESIGN ELEVATIONS. IT SHALL BE THE RESPONSIBILITY OF THE LANDSCAPE CONTRACTOR TO FINISH GRADE ALL LANDSCAPE AREAS, ELIMINATING ALL BUMPS, DEPRESSIONS, STICKS, STONES AND OTHER DEBRIS. ROLL PREPARED LAWN SURFACE. WATER THOROUGHLY, BUT DO NOT CREATE MUDDY SOIL CONDITION.

FERTILIZE SOIL AT THE RATE OF APPROXIMATELY 10 LBS. PER 1,000 S.F. SPREAD FERTILIZER OVER THE AREA TO RECEIVE GRASS BY USING AN APPROVED DISTRIBUTION DEVICE CALIBRATED TO DISTRIBUTE THE APPROPRIATE QUANTITY. DO NOT FERTILIZE WHEN WIND VELOCITY EXCEEDS 15 M.P.H. THOROUGHLY MIX FERTILIZER INTO THE TOP 2" OF TOPSOIL.

LAY SOD STRIPS WITH TIGHT JOINTS, DO NOT OVERLAP, STAGGER STRIPS TO OFFSET JOINTS IN ADJACENT COURSES. WORK SIFTED SOIL MIX INTO MINOR CRACKS BETWEEN PIECES OF SOD AND REMOVE EXCESS SOIL DEPOSITS FROM SODDED AREAS. SOD ON SLOPES GREATER THAN 3:1 SHALL BE STAKED IN PLACE. ROLL OR STAMP LIGHTLY AND WATER THOROUGHLY WITH A FINE SPRAY IMMEDIATELY AFTER PLANTING.

5. MISCELLANEOUS LANDSCAPE WORK

LANDSCAPE MAINTENANCE
MAINTAIN LANDSCAPE WORK IMMEDIATELY AFTER PLANTING AND UNTIL FINAL ACCEPTANCE IS ISSUED BY THE OWNER'S REPRESENTATIVE. INCLUDE WATERING, WEEDING, CULTIVATING, RESTORATION OF GRADE, MOWING AND TRIMMING GRASS, PRUNING TREES AND SHRUBS, PROTECTION FROM INSECTS AND DISEASES, FERTILIZING AND SIMILAR OPERATIONS AS NEEDED TO INSURE NORMAL GROWTH AND GOOD HEALTH FOR LIVE PLANT MATERIAL. SETTLED PLANTS SHALL BE RESET TO PROPER GRADE, PLANTING SAUCERS RESTORED, AND DEFECTIVE WORK CORRECTED.

IN THE EVENT OF SERIOUS DAMAGE FROM INSECTS OR DISEASE PRIOR TO FINAL ACCEPTANCE, THE PLANTS SHALL BE TREATED BY PREVENTATIVE OR REMEDIAL MEASURES APPROVED FOR GOOD HORTICULTURAL PRACTICE AT NO ADDITIONAL COST TO THE OWNER.

CLEAN UP
THE LANDSCAPE CONTRACTOR SHALL AT ALL TIMES KEEP THE PREMISES FREE FROM ACCUMULATION OF WASTE MATERIALS OR DEBRIS CAUSED BY HIS CREWS DURING THE PERFORMANCE OF THE WORK. UPON COMPLETION OF THE WORK, THE CONTRACTOR SHALL PROMPTLY REMOVE ALL WASTE MATERIALS, DEBRIS, UNUSED PLANT MATERIAL, EMPTY PLANT CONTAINERS AND ALL EQUIPMENT FROM THE PROJECT SITE.

ANY SOIL, PEAT OR SIMILAR MATERIAL WHICH HAS BEEN BROUGHT ONTO ANY PAVED AREAS SHALL BE REMOVED PROMPTLY KEEPING THESE AREAS CLEAN AS THE WORK PROGRESSES. UPON COMPLETION OF THE PLANTING, ALL EXCESS SOIL, STONES AND DEBRIS WHICH HAS NOT BEEN PREVIOUSLY CLEANED UP SHALL BE REMOVED FROM THE SITE.

INSPECTION & ACCEPTANCE
THE LANDSCAPE CONTRACTOR SHALL NOTIFY THE LANDSCAPE ARCHITECT UPON COMPLETION OF THE WORK TO REQUEST A FINAL INSPECTION OF THE INSTALLATION AND PLANT MATERIALS. THE LANDSCAPE ARCHITECT AND/OR OWNER'S REPRESENTATIVE WILL NOTIFY THE LANDSCAPE CONTRACTOR OF ANY DEFICIENCIES VIA A "PUNCH LIST" WHICH SHALL BE PROMPTLY CORRECTED BY THE LANDSCAPE CONTRACTOR. CONDITIONAL LANDSCAPE ACCEPTANCE OF ALL PLANT MATERIAL AND WORKMANSHIP WILL BE GIVEN IN WRITING BY THE LANDSCAPE ARCHITECT AFTER ALL "PUNCH LIST" ITEMS HAVE BEEN CORRECTED AND ANY PLANT REPLACEMENTS MADE. THIS ACCEPTANCE WILL BEGIN THE WARRANTEE PERIOD. DEFICIENCIES NOTED AFTER THE CONDITIONAL LANDSCAPE ACCEPTANCE SHALL BE RECTIFIED DURING THE WARRANTEE PERIOD AND PRIOR TO FINAL LANDSCAPE ACCEPTANCE.

GUARANTEE AND REPLACEMENT
ALL PLANT MATERIAL AND WORKMANSHIP SHALL BE GUARANTEED BY THE LANDSCAPE CONTRACTOR FOR A PERIOD OF SIX (6) MONTHS FROM THE DATE OF CONDITIONAL LANDSCAPE ACCEPTANCE BY THE LANDSCAPE ARCHITECT. ANY PLANT MATERIAL OR WORKMANSHIP THAT IS DEFICIENT OR HAS DIED SHALL BE REPLACED AT THE SAME SPECIFICATION NOTED IN THE APPROVED LANDSCAPE PLANS. REPLACEMENTS SHALL BE MADE BY THE LANDSCAPE CONTRACTOR WITHIN TWO (2) WEEKS OF NOTIFICATION BY THE LANDSCAPE ARCHITECT OR OWNER'S REPRESENTATIVE AT NO ADDITIONAL COST TO THE OWNER. WARRANTEES OF REPLACEMENT MATERIAL SHALL BE SIX (6) MONTHS FROM THE DATE OF REPLACEMENT INSTALLATION. DEATH OR DAMAGE RESULTING FROM LIGHTNING, VANDALISM OR AUTOMOBILES OR BY NEGLIGENCE BY THE OWNER SHALL NOT BE THE RESPONSIBILITY OF THE LANDSCAPE CONTRACTOR. UNLESS OTHERWISE ARRANGED WITH THE OWNER, THE CONTRACTOR IS RESPONSIBLE FOR GENERAL PLANT MAINTENANCE INCLUDING WATERING AND MOWING UP UNTIL THE DATE OF CONDITIONAL ACCEPTANCE.

PLANT MATERIAL SUBSTITUTION

THERE WILL BE NO SUBSTITUTION OF PLANT MATERIAL UNLESS AUTHORIZED BY THE LANDSCAPE ARCHITECT AND/OR OWNER. THIS INCLUDES SPECIES AND SIZE OF PLANT MATERIAL.

Landscape Specifications & Planting Details

H&L Planning & Development CONSULTANTS
354 Cypress Drive, Suite 6, Tequesta, FL 33469
P(561) 222-9284 F(561) 348-9491

LD26000482
Litterick Landscape Architecture
2740 SW Martin Downs Blvd. #199
Palm City, Fl 34990
561-719-3876
JasonLA1677@yahoo.com

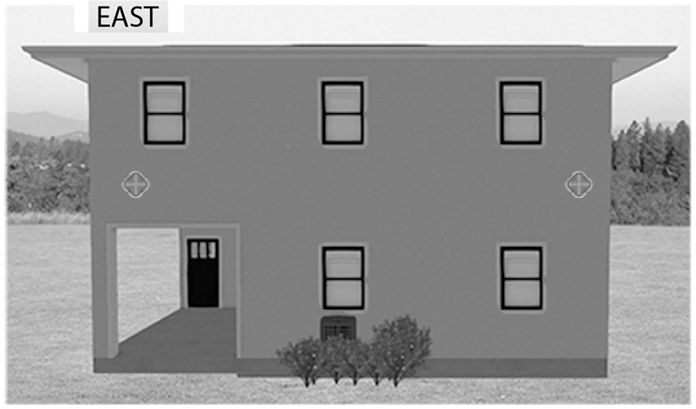
PRAIRIE ROAD SUBDIVISION
Village of Palm Springs, Florida
Project Name

Landscape Architect of Record
REGISTERED LANDSCAPE ARCHITECT JASON M. LITTERICK LA 0001677 STATE OF FLORIDA
Jason M. Litterick, RLA (LA0001677)

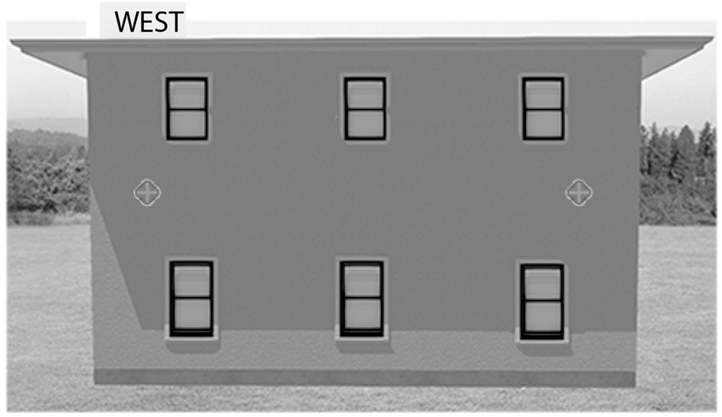
Scale: Not to Scale

Designed:	JML
Drawn:	JML
Approved:	JML
Date:	9/30/20
Job no.	
Revisions:	2/1/21

Sheet No.
LP-2

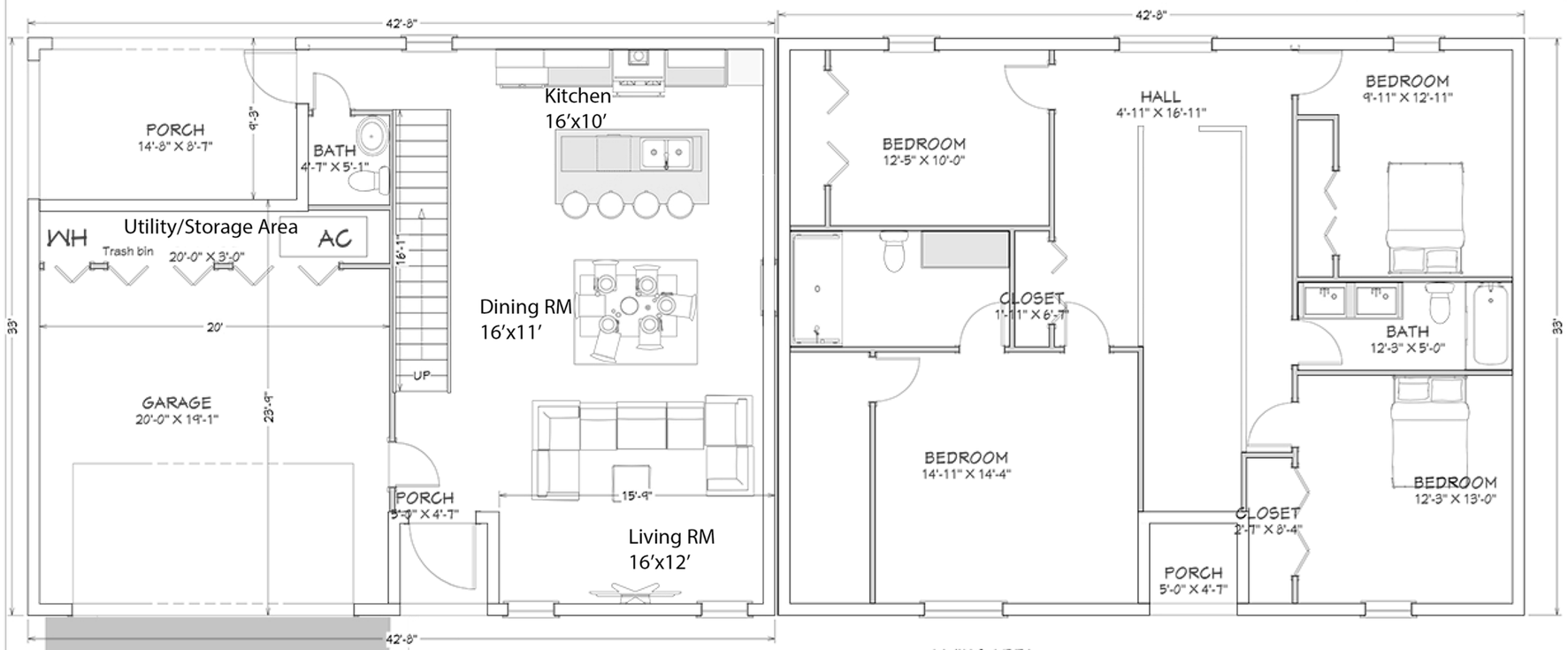


SIDE

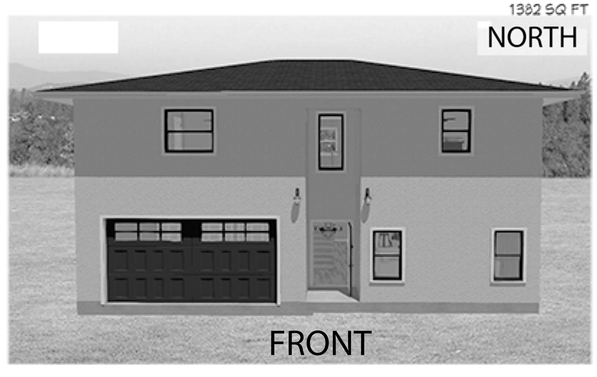


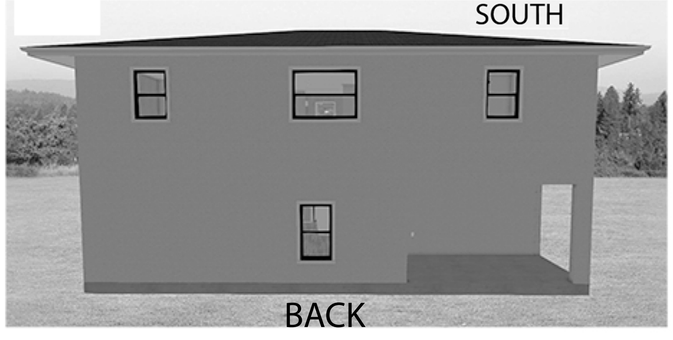
SIDE

PRAIRIE KEY ESTATE



Driveway
20'x20'





LIVING 2129SQFT
PORCH 182SQFT
GARAGE 479SQFT
TOTAL 2790SQFT
4 BED
2 & HALF BATH
2 CAR GARAGE

REVISION TABLE

NUMBER	DATE	REVISED BY	DESCRIPTION

JAIRO A ROJAS LICENSE No 54859 STATE OF FLORIDA PROFESSIONAL ENGINEER

P.E. #54859

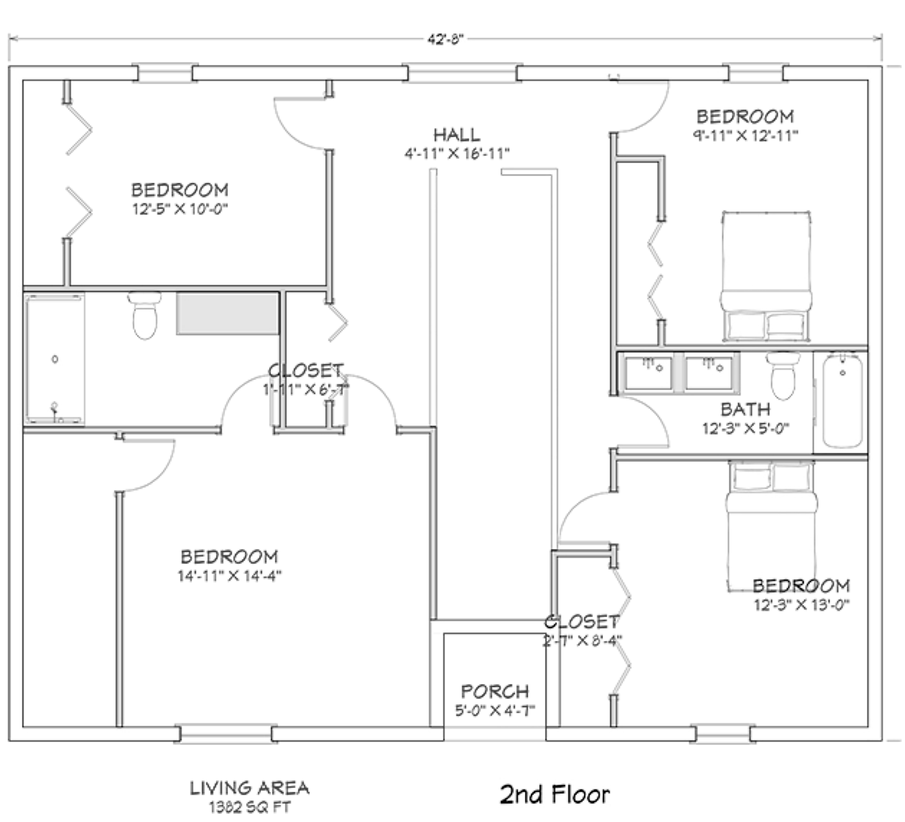
JAIRO ROJAS
66 Edinburgh Drive.
Palm Beach Gardens, Fl 33418
(454) 708-6629

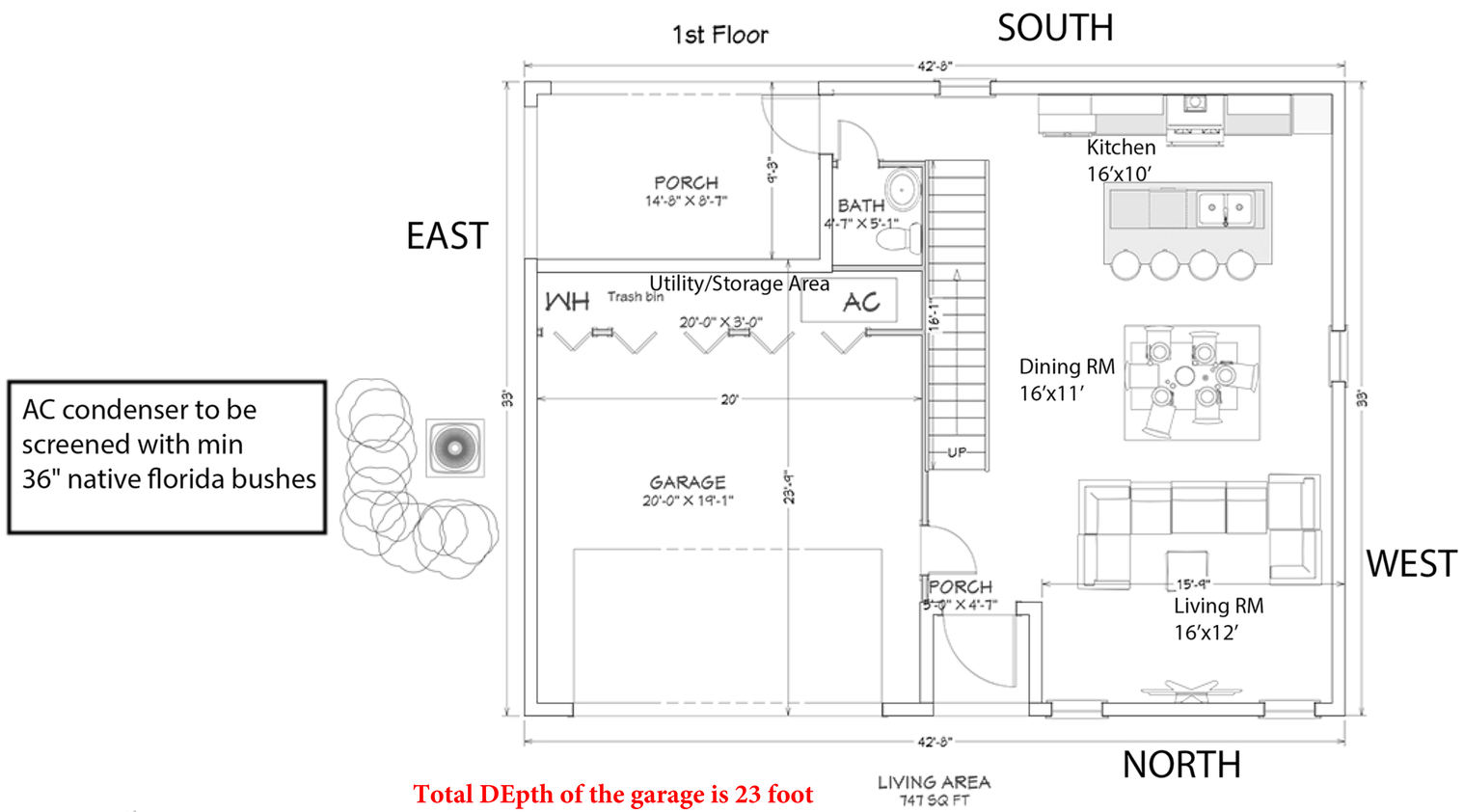
PRAIRIE KEY ESTATE MODEL
1974 PRAIRIE KEY ROAD
PALM SPRING, FL

DATE:
2/19/21

SCALE:
1/4"=1'

SHEET:
2





AC condenser to be screened with min 36" native florida bushes

Total DEpth of the garage is 23 foot

the parking portion of the garage is 20 feet

the utility portion of the garage is 3 foot

REVISION TABLE			
NUMBER	DATE	REVISED BY	DESCRIPTION

JAIRO A. ROJAS LICENSE No 54859 STATE OF FLORIDA PROFESSIONAL ENGINEER

P.E. #54859

JAIRO ROJAS
66 Edinburgh Drive.
Palm Beach Gardens, Fl 33418
(954) 708-6629

PRAIRIE KEY ESTATE MODEL
1974 PRAIRIE KEY ROAD
PALM SPRING, FL

DATE: 2/19/21

SCALE: 1/4"=1'

SHEET: 4

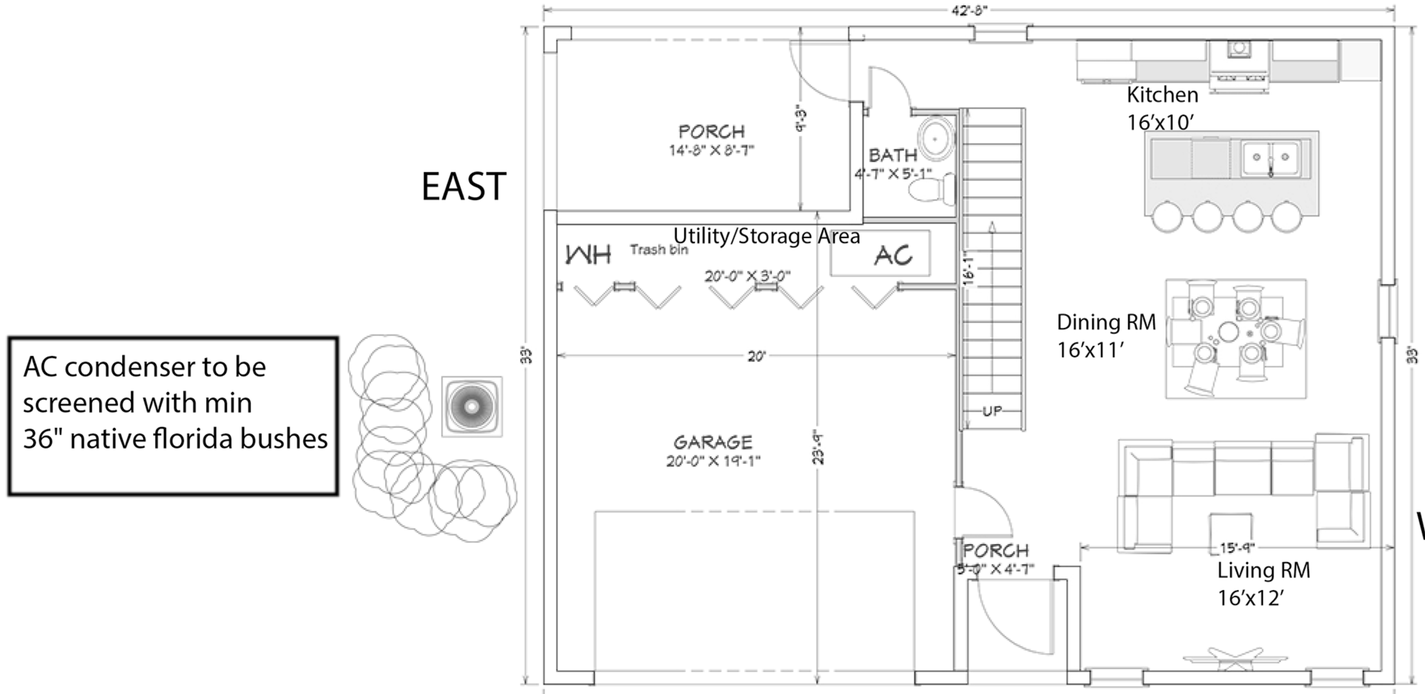
1st Floor

SOUTH

EAST

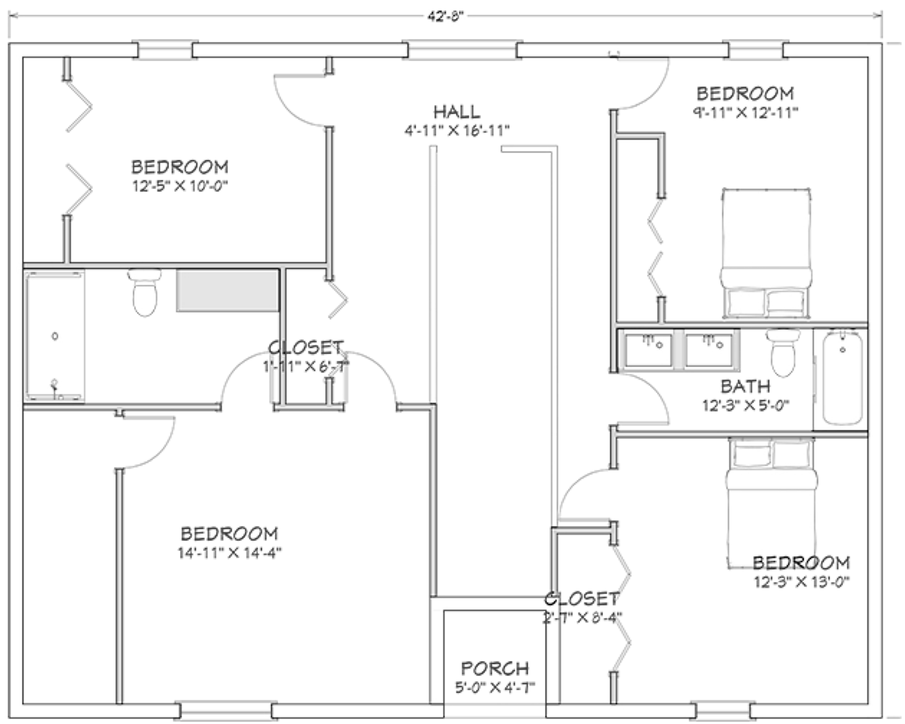
WEST

NORTH



LIVING AREA
747 SQ FT

AC condenser to be screened with min 36" native florida bushes



LIVING AREA
1382 SQ FT

2nd Floor

REVISION TABLE

NUMBER	DATE	REVISED BY	DESCRIPTION

JAIRO A. ROJAS LICENSE No 54859 STATE OF FLORIDA PROFESSIONAL ENGINEER

P.E. #54859

JAIRO ROJAS
66 Edinburgh Drive.
Palm Beach Gardens, Fl 33418
(954) 708-6629

PRAIRIE KEY ESTATE MODEL
1974 PRAIRIE KEY ROAD
PALM SPRING, FL

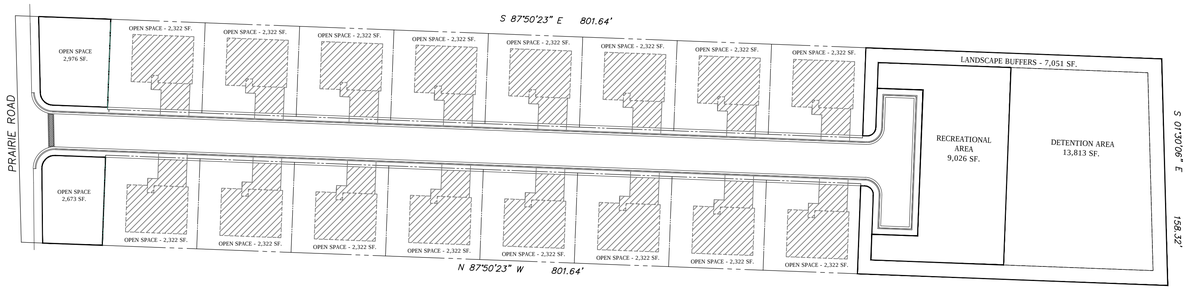
DATE: 2/19/21

SCALE: 1/4"=1'

SHEET: 4

683

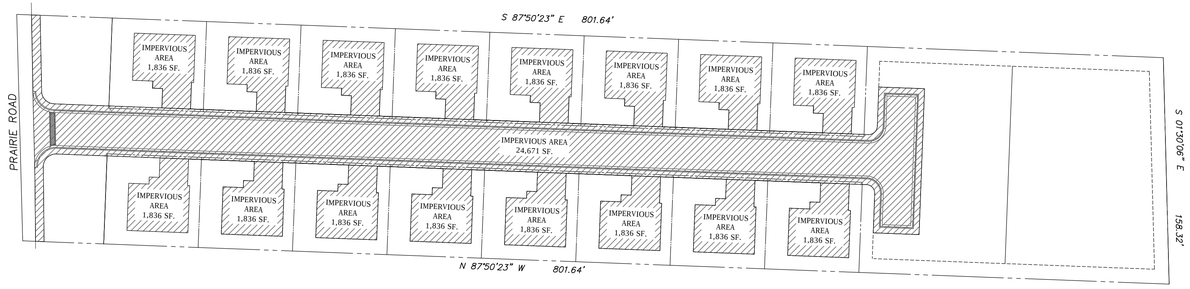
OPEN SPACE EXHIBIT



OPEN SPACE CHART

	PROVIDED	REQUIRED
FRONT ENTRANCE NORTH SIDE: SOUTH SIDE:	 2,976 SF. 2,673 SF.	
DETENTION AREA:	13,813 SF.	
RECREATION AREA:	9,026 SF.	
LANDSCAPE BUFFERS:	7,051 SF.	
SINGLE FAMILY LOTS (16 LOTS):	37,152 SF.	
TOTAL(S):	72,691 SF. (58.6%)	43,351 SF. (35%)

IMPERVIOUS AREA EXHIBIT



IMPERVIOUS AREA CHART

	PROVIDED	REQUIRED
ROADWAY	21,594 SF. (0.50 AC.)	
SINGLE FAMILY LOTS (16 LOTS):	26,928 SF. (0.62 AC.)	
TOTAL(S):	48,522 SF. (1.11 AC.) (39%)	MAX. 68,123 SF. (55%)

RECREATIONAL AND SITE AMENITIES



PICNIC TABLE, TYP.



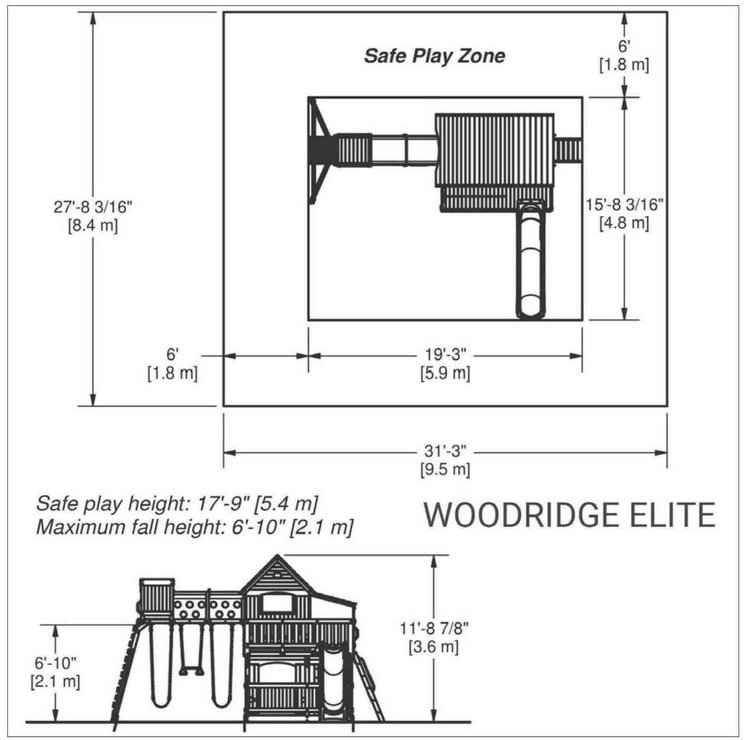
BENCH, TYP.



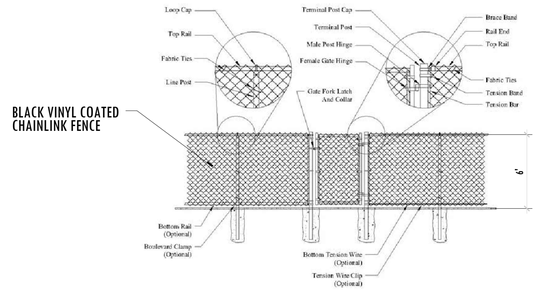
GRILL, TYP.



TRASH CAN, TYP.



KIDS PLAY ZONE, TYP.



6' HIGH VINYL COATED CHAIN LINK FENCE, TYP.

EXHIBITS

NORTH

H&L Planning & Development. CONSULTANTS
354 Cypress Drive, Suite 6, Tequesta, FL 33469
P(561) 222-9284 F(561) 348-9491

Litterick Landscape Architecture
LC26000482
2740 SW Martin Downs Blvd. #199
Palm City, Fl 34990
561-719-3876
JasonLA1677@yahoo.com

Project Name
PRAIRIE ROAD SUBDIVISION
Village of Palm Springs, Florida

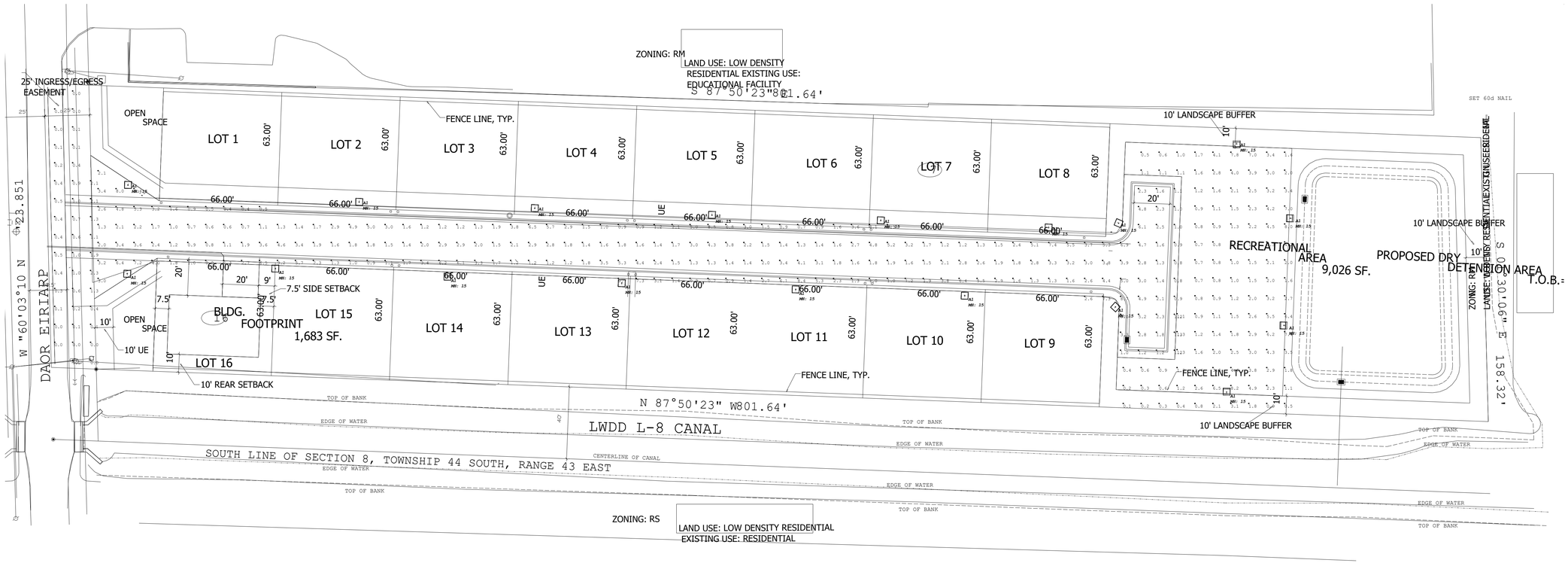
Jason Litterick
Digitally signed by Jason Litterick
Date: 2020.10.01 11:11:16 -04'00'

Landscape Architect of Record
REGISTERED LANDSCAPE ARCHITECT JASON M. LITTERICK LA 0001677 STATE OF FLORIDA
Jason M. Litterick, RLA (LA0001677)

Scale: 1" = NTS

Designed: JML
Drawn: JML
Approved: JML
Date: 01.11.21
Job no.
Revisions:

Sheet No.
EXH - 1



Scale: 1 inch= 30 Ft.

Luminaire Schedule									
Symbol	Qty	Label	Arrangement	Total Lamp Lumens	LLF	Description	Lum. Watts	Lum. Lumens	Mtg. Hgt.
+	18	A1	SINGLE	9351.1	0.950	Cree C-AR-A-SL3-9L-40K-UL-3PC-DB	72.21	9351	15

Calculation Summary							
Label	CalcType	Units	Avg	Max	Min	Avg/Min	Max/Min
Area Lighting	Illuminance	Fc	2.76	9.7	0.4	6.90	24.25
Easement	Illuminance	Fc	0.54	2.3	0.0	N.A.	N.A.
Recreation Area	Illuminance	Fc	2.30	8.2	0.1	23.00	82.00

L.E.D.ENGINEERING, LLC
LEEANNE CRANE, CLC 9974
PO BOX 186
PT. SALERNO, FL. 34992
772-220-5908
LCRANE.LES@GMAIL.COM

PRAIRIE ROAD SUBDIVISION
PHOTOMETRIC SITE PLAN
VILLAGE OF PALM SPRINGS

DATE
10/23/20

REVISIONS
01/18/21

SHEET
1

SCALE
1" = 30 FT.

PRELIMINARY ENGINEERING PLANS

PAVING, GRADING, DRAINAGE, WATER & SEWER IMPROVEMENTS

FOR

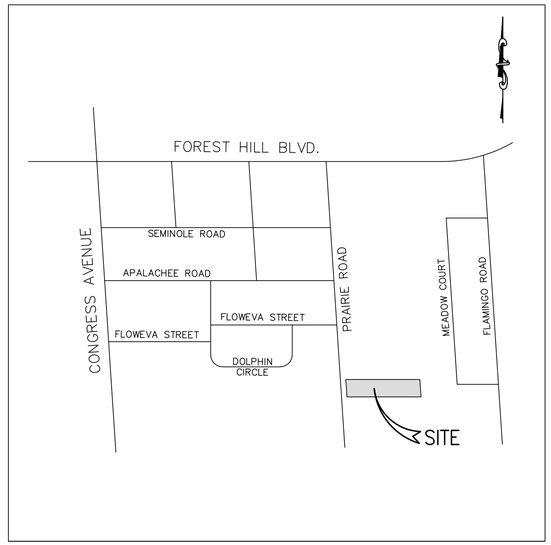
PRAIRIE ROAD SUBDIVISION

PALM BEACH COUNTY

WEST PALM BEACH, FL

DEVELOPER: LOX LAND HOLDINGS, INC.

8409 N. MILITARY TRAIL, SUITE 115
PALM BEACH GARDENS, FL 33410



LOCATION MAP

N.T.S.

SEC. 32 TWP. 43S RGE. 42E

INDEX OF SHEETS

SHEET No.	DESCRIPTION
1	COVER SHEET
2	PRELIMINARY ENGINEERING PLAN
3	PAVING, GRADING & DRAINAGE DETAILS
4	AUTOTURN FIRE TRUCK PLAN
5	AUTOTURN GARBAGE TRUCK PLAN

PREPARED BY:

Last Devenport, Inc.

1860 Old Okeechobee Road, Suite 504
West Palm Beach, FL 33409
phone (561)615-6567 fax (561)683-0872
EB 9889

THIS ITEM HAS BEEN DIGITALLY SIGNED AND SEALED BY SCOTT M. GINTERT, P.E. ON 02/08/2021.

PRINTED COPIES OF THIS DOCUMENT ARE NOT CONSIDERED SIGNED AND SEALED AND THE SIGNATURE MUST BE VERIFIED ON ANY ELECTRONIC COPIES.

ALL ELEVATIONS INDICATED HEREON ARE NAVD 88 VERTICAL
DATUM BASED ON SURVEY DATA PROVIDED BY:
TIMOTHY M. SMITH, PSM #4676
TIMOTHY M. SMITH LAND SURVEYING, INC. LB #6865
4546 CAMBRIDGE STREET
WEST PALM BEACH, FL 33415 TEL:(561) 602-8160

NAVD TO NGVD CONVERSION = NAVD + 1.529 FT

CALL BEFORE YOU DIG Sunshine State One Call 811 OF FLORIDA, INC. 811 or (800) 432-4770

PRELIMINARY	☐
PROGRESS SET	☐
BID SET	☐
PERMIT SET	☐
CONSTRUCTION SET	☐

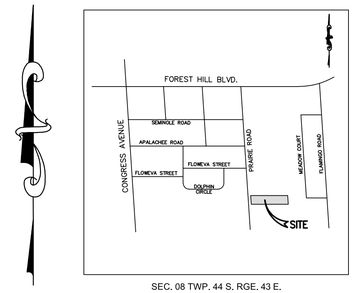
2/8/2021
SCOTT M. GINTERT, P.E.
FLORIDA P.E. #84228

19-081 COV

SHEET 1 OF 5

LEGEND

- PROPOSED STORM DRAINAGE STRUCTURE
- PROPOSED STORM DRAIN PIPE
- 18.75 — PROPOSED GRADE
- PROPOSED WATER SERVICE W/ METER
- PROPOSED HYDRANT ASSEMBLY W/ GATE VALVE
- EXISTING WATER MAIN
- PROPOSED VACUUM SEWER SERVICE LATERAL W/ VALVE PIT
- EXISTING VACUUM SANITARY SEWER MAIN
- PROPOSED FPL CONDUIT AND TRANSFORMER

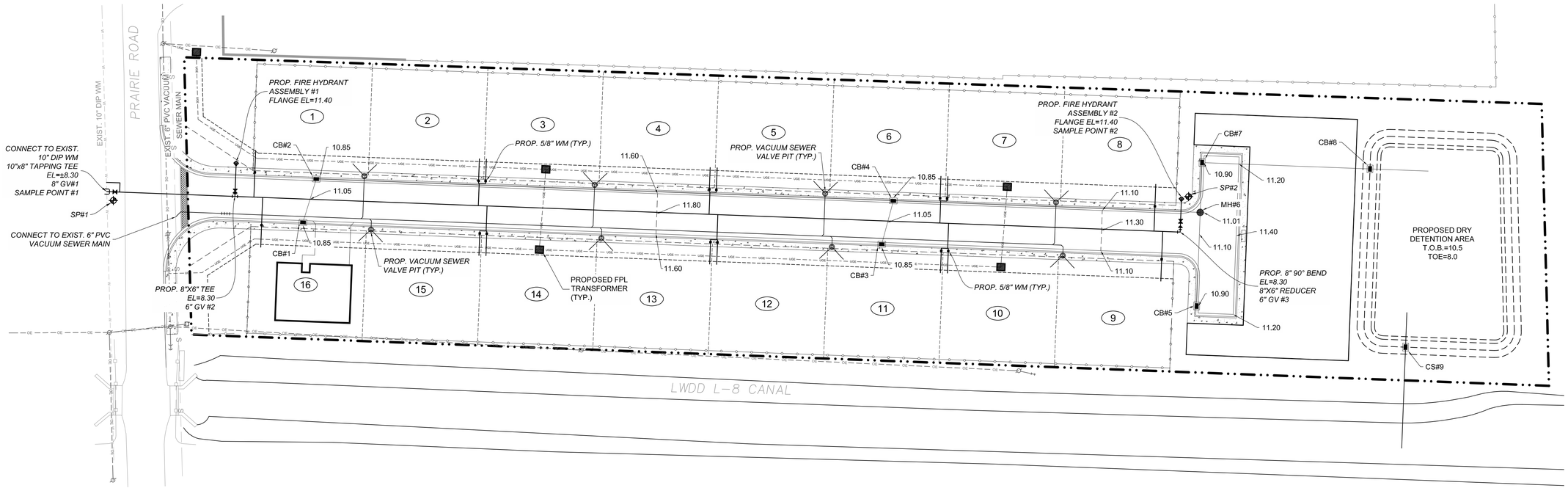


SEC. 08 TWP. 44 S. RGE. 43 E.

GRAPHIC SCALE

30 0 15 30 60 120

(IN FEET)
1 inch = 30 ft.



ALL ELEVATIONS INDICATED HEREON ARE NAVD 88 VERTICAL
DATUM BASED ON SURVEY DATA PROVIDED BY:
TIMOTHY M. SMITH, PSM #4676
TIMOTHY M. SMITH LAND SURVEYING, INC. LB #6865
4546 CAMBRIDGE STREET
WEST PALM BEACH, FL 33415 TEL:(561) 602-8160

NAVD TO NGVD CONVERSION = NAVD + 1.529 FT

CALL BEFORE YOU DIG
Sunshine State One Call OF FLORIDA, INC
811 or (800) 432-4770

PRELIMINARY ENGINEERING PLAN
FOR
PRAIRIE ROAD SUBDIVISION
WEST PALM BEACH, FLORIDA

REVISIONS	DATE	BY	CK
1. REV. PER COMMENTS FROM PALM SPRINGS	02/02/21	SMG	RWL

EB 9889
LDi Last Devenport, Inc.
1860 Old Okeechobee Road, Suite 504
West Palm Beach, FL 33409
phone (561)615-6567 fax (561)683-0872

SCALE: 1"=30'
DATE: 2/6/21
DESIGNED BY:SG
CHECKED BY:RL
DRAWING FILE: 19-081-PE.1

2/8/2021
SCOTT M. GINTERT, P.E.
FLORIDA P.E. #84228

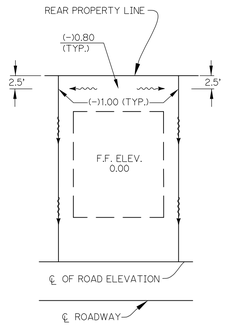
19-081 | PE.1

GENERAL CONSTRUCTION NOTES

1. ALL CHANGES SHALL BE APPROVED IN WRITING BY THE ENGINEER OF RECORD.
2. ALL WORK SHALL BE DONE IN A WELL EXECUTED MANNER AND SHALL CONFORM TO ALL APPLICABLE CITY, COUNTY, STATE OR FEDERAL REGULATIONS AND/OR CODES. THE CONTRACTOR SHALL BE RESPONSIBLE FOR OBTAINING ALL PERMITS AND LICENSES REQUIRED PRIOR TO INITIATING THE WORK.
3. SEQUENCE OF CONSTRUCTION – THE SEQUENCE OF CONSTRUCTION SHALL BE SUCH THAT ALL UNDERGROUND INSTALLATIONS OF EVERY KIND THAT ARE BENEATH THE PAVEMENT, SHALL BE IN PLACE AND HAVE PROPER DENSITY PRIOR TO THE CONSTRUCTION AND COMPACTION OF THE SUBGRADE.
4. THE CONTRACTOR SHALL CALL CALL THE SUNSHINE STATE ONE CALL AT 811 OR 1-888-432-4770 48 HOURS BEFORE DIGGING FOR FIELD LOCATIONS OF UNDERGROUND UTILITIES.
5. AS-BUILTS – CONTRACTOR SHALL MAINTAIN AN "AS-BUILT" SET OF DRAWINGS TO RECORD THE EXACT LOCATION OF ALL PIPING AND PIPE INVERT ELEVATIONS PRIOR TO CONCEALMENT. DRAWINGS SHALL BE GIVEN TO THE OWNER UPON COMPLETION OF THE PROJECT.
6. ELEVATIONS – ALL ELEVATIONS INDICATED HEREON ARE NAVD 88 VERTICAL DATUM BASED ON TOPOGRAPHIC SURVEY INFORMATION PROVIDED BY CAULFIELD & WHEELER, INC. CONTRACTOR SHALL FIELD VERIFY ALL ELEVATIONS PRIOR TO COMMENCEMENT AND SHALL NOTIFY ENGINEER IN WRITING OF ANY CONFLICTS. FAILURE TO DO SO SHALL SERVE AS CONTRACTOR'S ACCEPTANCE OF ALL EXISTING GRADES IN "AS-IS, WHERE-IS" CONDITION.
7. PROTECT ALL PROPERTY MONUMENTS AND PINS. MONUMENTS AND PINS THAT WILL BE DISTURBED DURING CONSTRUCTION SHALL BE REFERENCED AND REPLACED BY A LICENSED LAND SURVEYOR.
8. CONTRACTOR SHALL MAINTAIN THE SITE IN A MANNER SUCH THAT WORKMEN AND THE PUBLIC WILL BE PROTECTED FROM INJURY, AND ADJOINING PROPERTY PROTECTED FROM DAMAGE.
9. CONTRACTOR SHALL REMOVE ALL TRASH AND DEBRIS FROM THE SITE UPON COMPLETION OF THE PROJECT AND AT LEAST ONCE A DAY DURING CONSTRUCTION.
10. CONTRACTOR IS RESPONSIBLE FOR DAMAGE TO ANY EXISTING ITEM AND/OR MATERIAL DUE TO CONSTRUCTION OPERATIONS. ALL STREET SURFACES, UTILITY POLES, CULVERTS, DITCHES, CURB AND GUTTER OR OTHER STRUCTURES THAT ARE DISTURBED OR DAMAGED IN ANY MANNER AS A RESULT OF CONSTRUCTION SHALL BE REPLACED OR REPAIRED BY THE CONTRACTOR IN ACCORDANCE WITH THE APPROPRIATE SPECIFICATIONS.
11. IF DEPARTURES FROM THE DRAWINGS OR SPECIFICATIONS ARE DEEMED NECESSARY BY THE CONTRACTOR, DETAILS OF SUCH DEPARTURES AND REASONS THEREOF SHALL BE SUBMITTED IN WRITING TO THE OWNER FOR REVIEW. NO DEPARTURES FROM THE CONTRACT DOCUMENTS WILL BE ALLOWED WITHOUT APPROVAL BY THE ENGINEER OF RECORD.
12. ANY AND ALL QUANTITIES SHOWN OR IMPLIED ON THE PLANS ARE FOR ESTIMATION PURPOSES ONLY.
13. PRIOR TO ANY CONSTRUCTION ACTIVITIES, THE CONTRACTOR WILL NOTIFY THE ENGINEER OF RECORD, AT A MINIMUM, 48 HOURS PRIOR TO COMMENCING CONSTRUCTION. FURTHERMORE, PRECONSTRUCTION MEETINGS MAY BE REQUIRED WITH ALL AGENCIES HAVING JURISDICTION OVER THE PROJECT PRIOR TO COMMENCEMENT OF CONSTRUCTION. THESE MAY INCLUDE BUT NOT BE LIMITED TO PALM BEACH COUNTY ENGINEERING, SOUTH FLORIDA WATER MANAGEMENT DISTRICT AND PALM BEACH COUNTY ENVIRONMENTAL RESOURCES MANAGEMENT.
14. GRADES SHOWN ARE FINISHED GRADE SPOT ELEVATIONS. CONTRACTOR SHALL GRADE ROADWAY TO DRAIN TO PROPOSED CATCH BASINS AND DETENTION AREAS. ANY CONFLICTS SHALL BE PRESENTED TO ENGINEER IN WRITING FOR RESOLUTION PRIOR TO COMMENCEMENT OF CONSTRUCTION.
15. CLEARING AND GRUBBING – WITHIN THE LIMITS OF CONSTRUCTION, ALL VEGETATION AND ROOT MATERIAL SHALL BE REMOVED. CONTRACTOR SHALL TAKE DUE CARE NOT TO DISTURB ADJACENT PROPERTIES AND SHOULD ANTICIPATE HAND CLEARING, CUTTING, STUMP GRINDING AND REMOVAL FOR THE WORK TO PREVENT DAMAGE.
16. CONTRACTOR SHALL ENSURE POSITIVE DRAINAGE SO THAT RUNOFF WILL FLOW BY GRAVITY AWAY FROM ADJACENT PROPERTIES TO NEW OR EXISTING STORM DRAIN INLETS, SWALES, DITCHES OR RETENTION AREAS TO THE GREATEST EXTENT PRACTICABLE.
17. GUMBO – WHERE GUMBO OR OTHER PLASTIC CLAYS ARE ENCOUNTERED, THEY SHALL BE REMOVED WITHIN THE ROADWAY AND PARKING AREAS ONE FOOT BELOW THE SUBGRADE EXTENDING HORIZONTALLY TO THE OUTSIDE EDGE OF THE SHOULDER AREA.
18. HARDPAN – IF HARDPAN IS ENCOUNTERED IN THE SWALE AREA, IT WILL BE REMOVED TO A WIDTH OF TWO FEET AT THE SWALE INVERT AND REPLACED WITH GRANULAR MATERIAL.
19. MUCK, PEAT AND DELETERIOUS MATERIALS ENCOUNTERED IN THE ROADWAY SHALL BE REMOVED COMPLETELY TO THE MAXIMUM EXTENT POSSIBLE AND SHALL BE BACKFILLED WITH GRANULAR MATERIAL AND IN NO CASE SHALL REMAIN UNDER ANY PAVED AREAS.
20. WHERE SOD IS DESIRED, LOWER THE GROUND 2 INCHES BELOW THE FINISHED GRADE TO ALLOW FOR THE THICKNESS OF THE SOD.
21. PIPE BACKFILL – REQUIREMENTS FOR PIPE BACKFILL CROSSING ROADS OR PARKING AREAS SHALL BE DEFINED IN THE FLORIDA D.O.T. SPECIFICATIONS, LATEST EDITION. PIPELINE BACKFILL SHALL BE PLACED IN SIX INCH LIFTS AND COMPACTED TO 100% OF THE STANDARD PROCTOR (A.A.S.H.T.O.) T-99 SPECIFICATIONS.
22. UTILITIES – IT IS THE CONTRACTOR'S RESPONSIBILITY TO ASCERTAIN THE EXACT LOCATIONS OF ALL EXISTING UNDERGROUND UTILITIES, WHETHER SHOWN OR NOT, PRIOR TO CONSTRUCTION. CONTRACTOR SHALL NOTIFY ALL UTILITY COMPANIES PRIOR TO CONSTRUCTION. NOTIFY ENGINEER PRIOR TO CONSTRUCTION OF ANY DEVIATION FROM WHAT IS SHOWN ON THE PLAN.
23. ALL PIPE LENGTHS AND CENTERLINE SLOPE LENGTHS SHOWN ON THESE DRAWINGS ARE SCALED DISTANCES. THE CONTRACTOR SHALL CONFIRM ALL MEASUREMENTS IN THE FIELD AND NOTIFY THE ENGINEER IN WRITING OF ANY DISCREPANCY WITH THE DRAWINGS PRIOR TO PERFORMING THE WORK.
24. INLETS AND MANHOLES – ALL INLETS AND MANHOLES SHALL BE CONSTRUCTED IN ACCORDANCE WITH FLORIDA D.O.T. STANDARDS SPECIFICATIONS, LATEST EDITION AND PALM BEACH COUNTY DESIGN STANDARDS, LATEST EDITION UNLESS OTHERWISE APPROVED BY ENGINEER OF RECORD.
25. REINFORCED CONCRETE PIPE (RCP) – UNLESS OTHERWISE NOTED ON PLANS, THE PIPE SHALL CONFORM WITH THE REQUIREMENTS OF CLASS III OF A.S.T.M. C-76 AND WITH THE FLORIDA D.O.T. SPECIFICATIONS, LATEST EDITION. ALL PIPE JOINTS, INCLUDING THE FIRST JOINT OF PIPE ENTERING OR LEAVING A MANHOLE OR INLET SHALL BE WRAPPED WITH FILTER FABRIC PER F.D.O.T. AND PALM BEACH COUNTY SPECIFICATIONS.
26. CORRUGATED METAL PIPE (CMP) – SHALL CONFORM WITH THE REQUIREMENTS OF AASHTO M36, A.S.T.M. A760 AND WITH THE FLORIDA D.O.T. SPECIFICATIONS, LATEST EDITION. ALL PIPE JOINTS, INCLUDING THE FIRST JOINT OF PIPE ENTERING OR LEAVING A MANHOLE OR INLET SHALL BE WRAPPED WITH FILTER FABRIC PER F.D.O.T. AND PALM BEACH COUNTY SPECIFICATIONS
27. HIGH DENSITY POLYETHYLENE PIPE (HDPE) – SHALL CONFORM WITH ALL AASHTO AND ASTM STANDARDS AND GUIDELINES SPECIFIC TO THE PIPE SIZE, MATERIAL AND INSTALLATION REQUIREMENTS. ALL PIPE JOINTS, INCLUDING THE FIRST JOINT OF PIPE ENTERING OR LEAVING A MANHOLE OR INLET SHALL BE WRAPPED WITH FILTER FABRIC PER F.D.O.T. AND PALM BEACH COUNTY SPECIFICATIONS.
28. ALL PAVING AND DRAINAGE WORK SHALL BE CONSTRUCTED IN FULL ACCORDANCE WITH THE PALM BEACH COUNTY, SOUTH FLORIDA WATER MANAGEMENT DISTRICT AND FDOT LATEST STANDARDS. ANY CONFLICTS BETWEEN THE STANDARDS SHALL BE BROUGHT TO THE ATTENTION OF THE ENGINEER IN WRITING BY THE CONTRACTOR FOR RESOLUTION.
29. ANY EXISTING ROADWAY AND/OR UTILITY THAT IS DAMAGED BY THE CONTRACTOR SHALL BE CORRECTED AT THE CONTRACTOR'S EXPENSE TO THE SATISFACTION OF THE ENGINEER.
30. SUBGRADE – SHALL BE STABILIZED TO LBR 40 AND COMPACTED AS NOTED ON THE PLANS TO MEET THE DENSITY REQUIREMENTS AS DETERMINED BY THE A.A.S.H.T.O. T-180 SPECIFICATIONS. SUBGRADE SHALL EXTEND 12 INCHES BEYOND THE PROPOSED EDGE OF PAVEMENT AND/OR 6" BEYOND VALLEY GUTTER, TYPE "F" CURB & GUTTER OR TYPE "D" CURB. SUBGRADE SHALL BE 12 INCHES THICK COMPACTED TO 98% ACCORDING TO A.A.S.H.T.O. T-180. ALL MUCK, STUMPS, ROOTS OR OTHER DELETERIOUS MATTER ENCOUNTERED IN THE PREPARATION OF THE SUBGRADE SHALL BE REMOVED IN ACCORDANCE WITH NOTE 15.
31. BASE – SHALL BE FDOT APPROVED LIMEROCK MATERIAL SHALL BE COMPACTED TO NOT LESS THAN 98% MAXIMUM DENSITY AS DETERMINED BY A.A.S.H.T.O. T-180 SPECIFICATIONS AND AS CALLED FOR IN FLORIDA D.O.T. SPECIFICATIONS, LATEST EDITION. BASE SHALL BE PLACED AND COMPACTED IN TWO (2) EQUAL LAYERS WHEN PLACED IN MULTIPLE LIFTS. ALTERNATE APPROVED BASE MATERIALS MAY BE UTILIZED AT THE DISCRETION OF THE ENGINEER AND WITH APPROVAL FROM PALM BEACH COUNTY.
32. PRIME COAT – BITUMINOUS PRIME COAT SHALL CONFORM WITH THE REQUIREMENTS OF THE FLORIDA D.O.T. SPECIFICATIONS, LATEST EDITION AND SHALL BE APPLIED AT THE RATE OF 0.25 GALLONS PER SQUARE YARD, UNLESS A LOWER RATE IS DIRECTED BY THE ENGINEER.
33. TACK COAT – BITUMINOUS TACK COAT SHALL CONFORM WITH THE REQUIREMENTS OF THE FLORIDA D.O.T. SPECIFICATIONS, LATEST EDITION AND SHALL BE APPLIED AT THE RATE OF 0.08 GALLONS PER SQUARE YARD, UNLESS A VARIATION IS APPROVED BY THE ENGINEER.
34. SURFACE COURSE – ASPHALTIC CONCRETE SURFACE COURSE SHALL CONFORM WITH THE REQUIREMENTS OF THE FLORIDA D.O.T. SPECIFICATIONS, LATEST EDITION. THE MINIMUM COMPACTED THICKNESS TO BE AS NOTED ON PLANS.
35. PAVEMENT MARKINGS – SHALL BE IN ACCORDANCE WITH THE MANUAL OF UNIFORM TRAFFIC CONTROL DEVICES FOR STREETS AND HIGHWAYS, THE PALM BEACH COUNTY DESIGN STANDARDS AND THE REQUIREMENTS OF THE FLORIDA D.O.T. SPECIFICATIONS, LATEST EDITION.
36. CONCRETE – ALL CONCRETE SHALL DEVELOP 2500 P.S.I. (MINIMUM) 28 DAY COMPRESSIVE STRENGTH OR GREATER WHERE NOTED ON PLANS. CLASS I CONCRETE SHALL CONFORM WITH THE FLORIDA D.O.T. SPECIFICATIONS, LATEST EDITION. CLASS I CONCRETE USED AS PAVING SHALL DEVELOP 3000 P.S.I. (MINIMUM) 28 DAYS COMPRESSIVE STRENGTH.
37. ATTENTION IS DIRECTED TO THE FACT THAT THESE PLANS MAY HAVE BEEN CHANGED IN SIZE BY REPRODUCTION. THIS MUST BE CONSIDERED WHEN OBTAINING SCALED DATA.
38. THE CONTRACTOR SHALL CONFINE CONSTRUCTION ACTIVITIES TO OWNER-SUPPLIED PROPERTY, EASEMENTS AND RIGHTS-OF-WAYS.
39. APPROVAL OF THIS PLAN IS NOT AN AUTHORIZATION TO GRADE ADJACENT PROPERTIES. WHEN FIELD CONDITIONS WARRANT OFF-SITE GRADING, PERMISSION MUST BE OBTAINED FROM THE AFFECTED PROPERTY OWNERS AND COORDINATED WITH ENGINEER OF RECORD.
40. MAINTENANCE OF TRAFFIC SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR AND SHALL BE IN ACCORDANCE WITH THE FDOT DESIGN STANDARDS, LATEST EDITION.
41. CLEAN UP: THE CONTRACTOR SHALL KEEP THE CONSTRUCTION SITE FREE OF RUBBISH AND WASTE MATERIALS AND RESTORE TO THEIR ORIGINAL CONDITION THOSE PORTIONS OF THE SITE NOT DESIGNATED FOR ALTERATION BY THE CONTRACT DOCUMENTS. CLEAN UP AND RESTORATION SHALL BE ACCOMPLISHED ON A DAILY BASIS THROUGHOUT THE CONTRACT PERIOD.
42. THE CONTRACTOR SHALL PROVIDE AND MAINTAIN ADEQUATE SIGNS, BARRICADES, FLASHING LIGHTS, FLAGMEN, AND WATCHMEN AND TAKE ALL NECESSARY PRECAUTIONS FOR THE PROTECTION OF THE WORK AND THE SAFETY OF THE PUBLIC. TRAFFIC CONTROL WARNING SIGNS AND BARRICADES SHALL BE IN STRICT ACCORDANCE WITH THE PROVISIONS OF THE FLORIDA DEPARTMENT OF TRANSPORTATION, MANUAL ON TRAFFIC CONTROLS AND SAFE PRACTICES FOR STREET AND HIGHWAY CONSTRUCTION, MAINTENANCE AND UTILITY OPERATION (LATEST REVISION). WHERE APPLICABLE ALL BARRICADES AND OBSTRUCTIONS SHALL BE PROTECTED AT NIGHT BY FLASHING SIGNAL LIGHTS WHICH SHALL BE KEPT BURNING FROM SUNSET TO SUNRISE. BARRICADES SHALL BE OF SUBSTANTIAL CONSTRUCTION AND SUITABLE FOR NIGHT VISIBILITY. SUITABLE WARNING SIGNS SHALL BE SO PLACED AND ILLUMINATED AT NIGHT AS TO SHOW IN ADVANCE WHERE CONSTRUCTION, BARRICADES OR DETOURS EXIST (AS NECESSARY).
43. SHOULD DEWATERING BE REQUIRED FOR THE INSTALLATION OF UNDERGROUND STRUCTURES, DISCHARGES SHALL BE CONTAINED ONSITE. LOCATION OF IMPOUNDMENT SHALL BE WITHIN THE PROPOSED RETENTION AREAS. A WATER USE PERMIT IS REQUIRED FOR DEWATERING ACTIVITIES. THE CONTRACTOR SHALL BE RESPONSIBLE FOR OBTAINING DEWATERING PERMITS PRIOR TO COMMENCEMENT OF CONSTRUCTION.
44. CONTRACTOR SHALL PUT INTO PLACE SUCH TEMPORARY EROSION CONTROL MEASURES AS INDICATED ON THE PLANS. THESE MEASURES SHALL BE INSPECTED AND EVALUATED DURING CONSTRUCTION OPERATION FOR THEIR EFFECTIVENESS IN PREVENTING EROSION MATERIAL AND SEDIMENT FROM DISCHARGING FROM THE WORK AREA. IF REQUIRED, AND AS DIRECTED BY THE CITY INSPECTOR, ADDITIONAL TEMPORARY EROSION CONTROL MEASURES SHALL BE INSTITUTED AND INSTALLED. ALL BEST MANAGEMENT PRACTICES ITEMS (EG. SILT FENCE, CONSTRUCTION ENTRANCES, ETC.) SHALL BE IN CONFORMANCE WITH THESE PLANS AND THE FDOT DESIGN STANDARDS, LATEST EDITION.
45. EROSION AND SEDIMENT CONTROL MEASURES SHALL BE IN PLACE PRIOR TO EARTHMOVING ACTIVITIES. ADDITIONAL EROSION AND SEDIMENT CONTROL MEASURES MAY BE REQUIRED. THE CONTRACTOR SHALL MAINTAIN A LOG OF CHANGES TO THE EROSION AND SEDIMENT CONTROL MEASURES INSTALLED OR REMOVED FROM THE SITE. A NPDES GENERAL NOI PERMIT FOR CONSTRUCTION ACTIVITIES SHALL BE OBTAINED FOR THE CONSTRUCTION ACTIVITIES PROPOSED IN THESE PLANS AND THE CONTRACTOR SHALL MAINTAIN INSPECTION RECORDS IN ACCORDANCE WITH THE NPDES PERMIT REQUIREMENTS.
46. GUARANTEE – ALL MATERIAL AND EQUIPMENT TO BE FURNISHED AND/OR INSTALLED BY THE CONTRACTOR UNDER THIS CONTRACT SHALL BE GUARANTEED FOR A PERIOD OF ONE YEAR FROM THE DATE OF ACCEPTANCE THEREOF AGAINST DEFECTIVE MATERIALS, DESIGN AND WORKMANSHIP. UPON NOTICE FROM THE OWNER OF FAILURE OF ANY PARTS OR MATERIALS, THOSE PARTS OR MATERIALS SHALL BE REPLACED PROMPTLY AT NO EXPENSE TO THE OWNER.

PAVEMENT MARKING AND SIGNAGE NOTES

1. OBTAIN ALL REQUIRED PERMITS AND APPROVALS.
2. NOTIFY ALL REGULATORY AGENCIES AT LEAST 48 HOURS PRIOR TO COMMENCEMENT.
3. ALL PAVEMENT MARKING AND SIGNAGE SHALL BE INSTALLED IN ACCORDANCE WITH PALM BEACH COUNTY, AASHTO, MUTCD AND FDOT WHEREVER APPLICABLE. INSTALLATION SHALL INCLUDE PLACEMENT OF ALL REQUIRED REFLECTIVE PAVEMENT MARKERS (RPM'S).
4. CONTRACTOR SHALL VERIFY ALL EXISTING UNDERGROUND UTILITIES WITHIN PROJECT LIMITS AND SHALL NOTIFY ENGINEER IN WRITING OF ANY DISCREPANCIES ON THE PLANS.
5. CONTRACTOR SHALL MAINTAIN A CLEAN WORK ENVIRONMENT AND SHALL PROPERLY DISPOSE OF ANY DEBRIS AT THE END OF EACH DAY UNLESS OTHERWISE APPROVED BY OWNER.
6. CONTRACTOR SHALL BE RESPONSIBLE FOR ALL MAINTENANCE OF TRAFFIC THROUGHOUT THE DURATION OF CONSTRUCTION.
7. CONTRACTOR SHALL TAKE REASONABLE CARE NOT TO DAMAGE ANY SURROUNDING EXISTING PROPERTIES OR IMPROVEMENTS. ANY DAMAGES SHALL BE PROMPTLY REPAIRED TO ORIGINAL OR BETTER CONDITION TO THE SATISFACTION OF THE OWNER AND/OR ENGINEER.
8. ALL PERMANENT SIGNAGE SHALL REMAIN COVERED UNTIL SUCH TIME AS CONSTRUCTION IS COMPLETE AND CONSTRUCTION MAINTENANCE OF TRAFFIC SIGNAGE IS REMOVED.
9. PAVEMENT MARKINGS & SIGNINGS SHALL BE IN ACCORDANCE WITH THE MANUAL OF UNIFORM TRAFFIC CONTROL DEVICES FOR STREETS & HIGHWAYS AND VILLAGE OF PALM SPRINGS DESIGN STANDARDS.
10. STOP BARS AND STRIPING WITHIN THE CITY OF BOYNTON BEACH RIGHT OF WAY TO BE THERMOPLASTIC. ALL ONSITE STRIPING TO BE PAINT.

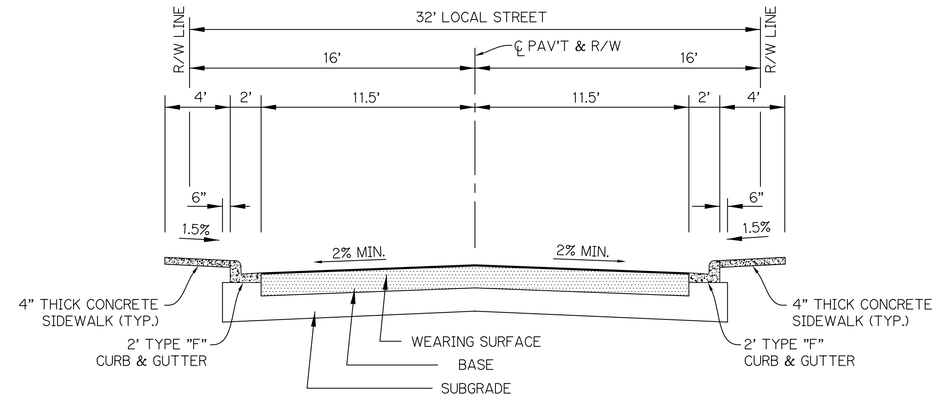


NOTES:

1. REFER TO PLAN SHEETS FOR ANY DEVIATIONS FROM THESE GRADES.
2. SWALE SLOPES TO BE A MINIMUM OF 0.50%.
3. ELEVATIONS BASED ON AN ASSUMED ELEVATION OF 0.00 FOR THE FINISH FLOOR.

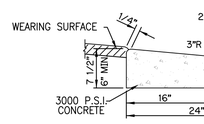
LOT GRADING PLAN FOR SINGLE FAMILY LOTS

N.T.S.



32' LOCAL STREET DETAIL

N.T.S.

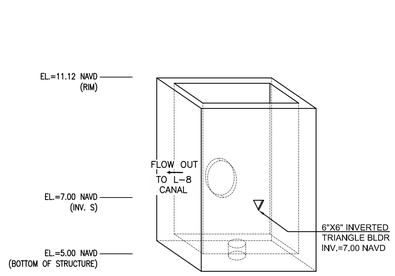


NOTES:

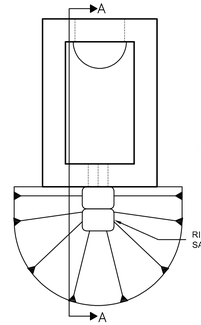
1. WHEN USED ON HIGH SIDE OF ROADWAYS, THE CROSS SLOPE OF THE GUTTER SHALL MATCH THE SLOPE OF ADJACENT PAVEMENT AND THICKNESS OF THE LIP SHALL BE 6 INCHES.
2. SAWCUTS AT 10' CENTERS REQUIRED

TYPE "F" CURB & GUTTER

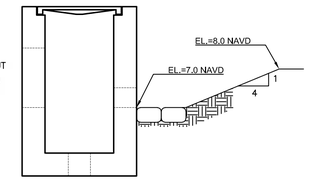
N.T.S.



ISOMETRIC



PLAN



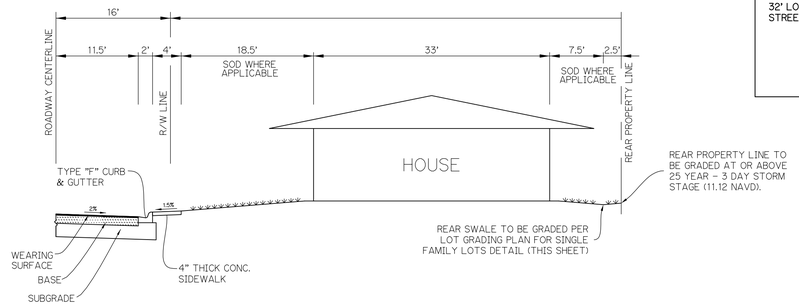
SECTION A-A

NOTES:
1. REFER TO POLLUTION RETARDANT BAFFLE DETAIL FOR SPECIFICATIONS PERTAINING TO CONSTRUCTION AND MATERIAL REQUIREMENTS FOR CONTROL STRUCTURE BAFFLE/BLEEDER CONFIGURATION. ALL APPLICABLE STANDARDS AND NOTES SHALL APPLY.

CONTROL STRUCTURE CS#9 DETAIL

N.T.S.

PAVING SPECIFICATIONS / SIDEWALKS				
TYPE	WEARING SURFACE	BASE	SUBGRADE	SIDEWALKS
32' LOCAL STREETS	1-3/4" THICK, SUPERPAVE TYPE SP-9.5 (FIRST LIFT TO BE 1" AND SECOND LIFT TO BE 3/4")	6-1/2" THICK, LIMEROCK BASE COMPACTED IN ONE LIFT TO 98% MAXIMUM DRY DENSITY. A.A.S.H.T.O. T-180	12" THICK, COMPACTED TO 98% MAXIMUM DRY DENSITY PER A.A.S.H.T.O.-180	4" THICK CONCRETE (2500 PSI) TO BE POURED AT TIME OF CONSTRUCTION OR EACH UNIT WITH 4" COMPACTED BASE. (SIDEWALK SHALL BE 6" THICK AT DRIVEWAYS WITH W1.4-W1.4 6X6 REINFORCING).



TYPICAL SINGLE FAMILY LOT PROFILE

N.T.S.

ALL ELEVATIONS INDICATED HEREON ARE NAVD 88 VERTICAL DATUM BASED ON SURVEY DATA PROVIDED BY:
TIMOTHY M. SMITH, PSM #4676
TIMOTHY M. SMITH LAND SURVEYING, INC. LB #6865
4546 CAMBRIDGE STREET
WEST PALM BEACH, FL 33415 TEL:(561) 602-8160

NAVD TO NGVD CONVERSION = NAVD + 1.529 FT

CALL BEFORE YOU DIG Sunshine State One Call OF FLORIDA, INC. 811 or (800) 432-4770

PAVING, GRADING & DRAINAGE DETAILS
FOR
PRAIRIE ROAD SUBDIVISION
WEST PALM BEACH, FLORIDA

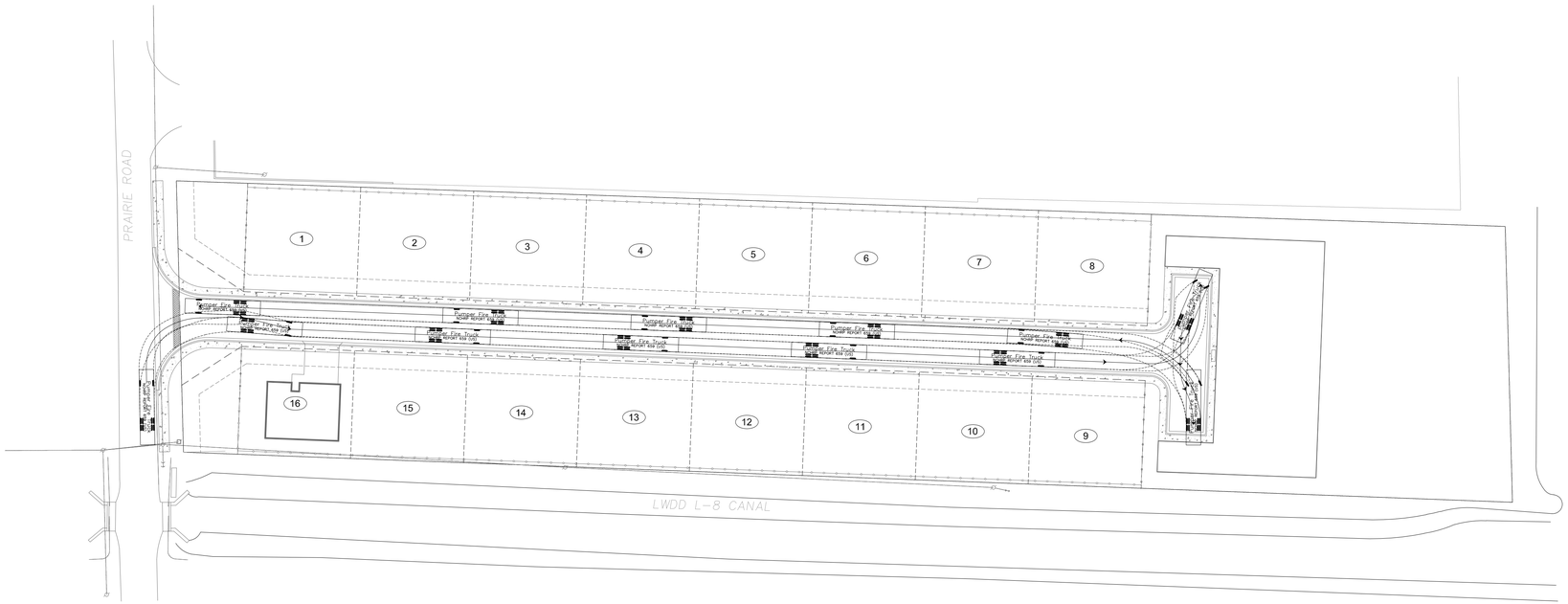
REVISIONS	DATE	BY	CK

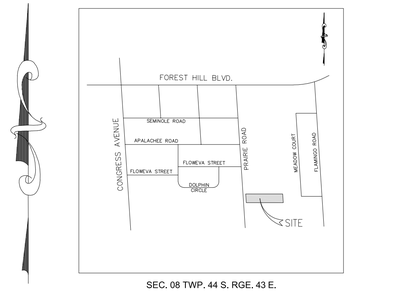
LDi Last Devenport, Inc.
EB 9889
1860 Old Okeechobee Road, Suite 504
West Palm Beach, FL 33409
phone (561)615-6567 fax (561)683-0872

SCALE: N/A
DATE: 2/6/21
DESIGNED BY:SG
CHECKED BY:RL
DRAWING FILE: 19-081-PE.2

02/08/21
SCOTT M. GINTERT, P.E.
FLORIDA P.E. #84228

19-081 | PE.2



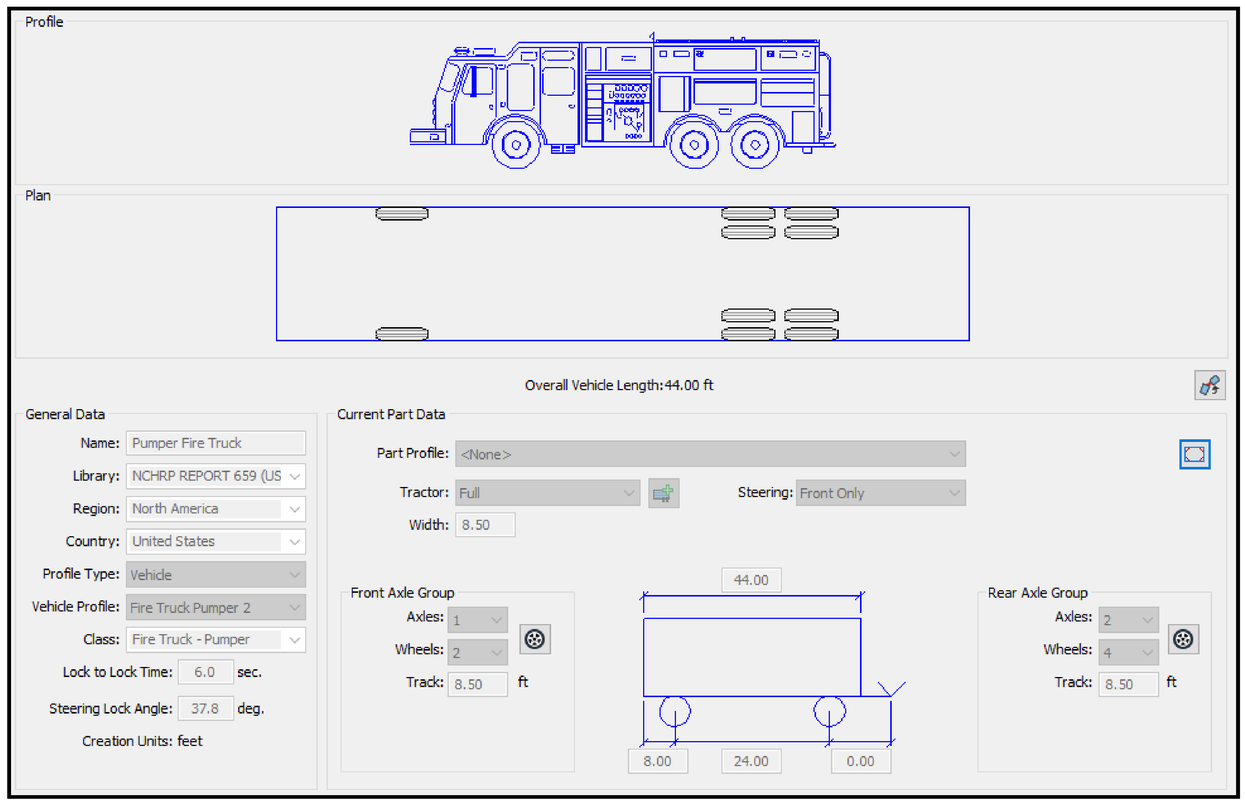


SEC. 08 TWP. 44 S. RGE. 43 E.

GRAPHIC SCALE

40 0 20 40 80 160

(IN FEET)
1 inch = 40 ft.



AUTOTURN FIRE TRUCK PLAN FOR PRAIRIE ROAD SUBDIVISION

WEST PALM BEACH, FLORIDA

REVISIONS

	DATE	BY	CK

LDi Last Devenport, Inc.
EB 9889
1860 Old Okeechobee Road, Suite 504
West Palm Beach, FL 33409
phone (561)615-6567 fax (561)683-0872

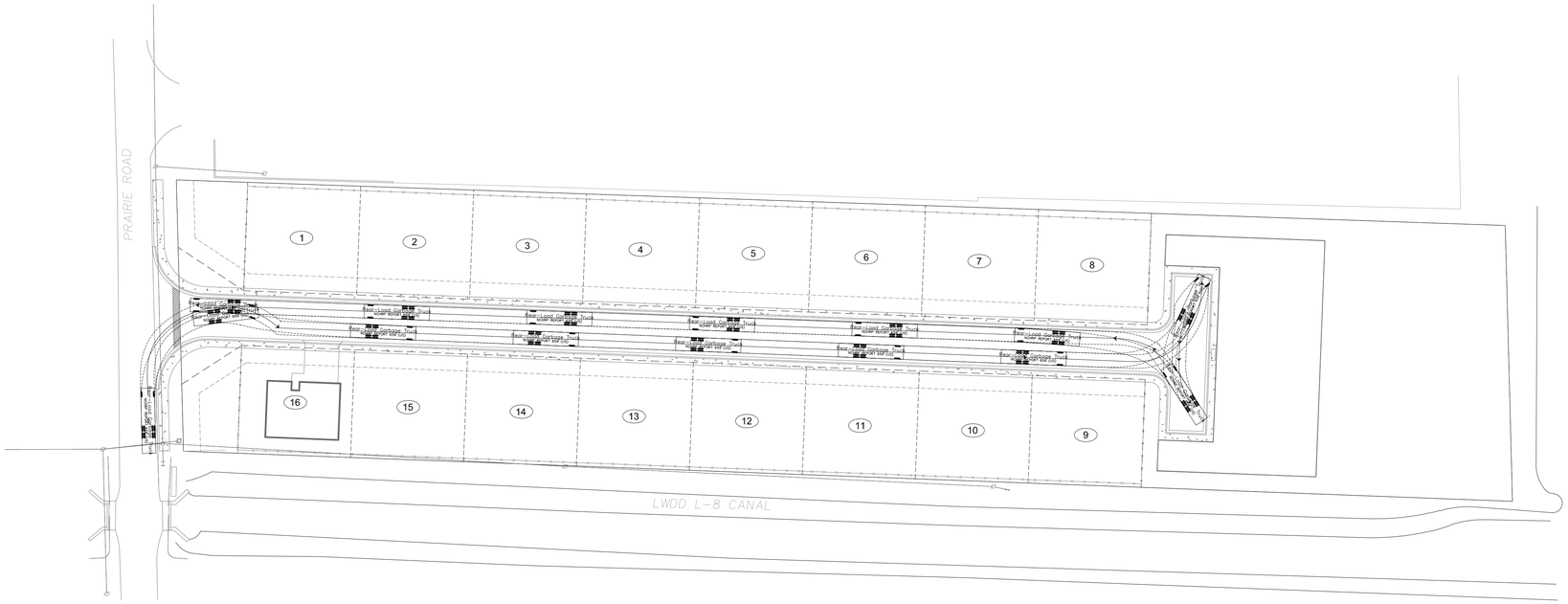
SCALE: 1"=40'
DATE: 2/6/21
DESIGNED BY: SG
CHECKED BY: SG
DRAWING FILE: 19-081-PE.3

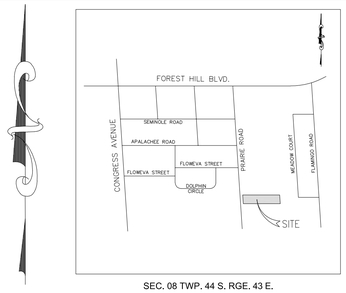
02/08/21
SCOTT M. GINTERT, P.E.
FLORIDA P.E. #84228

19-081 PE.3

SHEET 4 OF 5

CALL BEFORE YOU DIG
Sunshine State 811 One Call
811 or (800) 432-4770



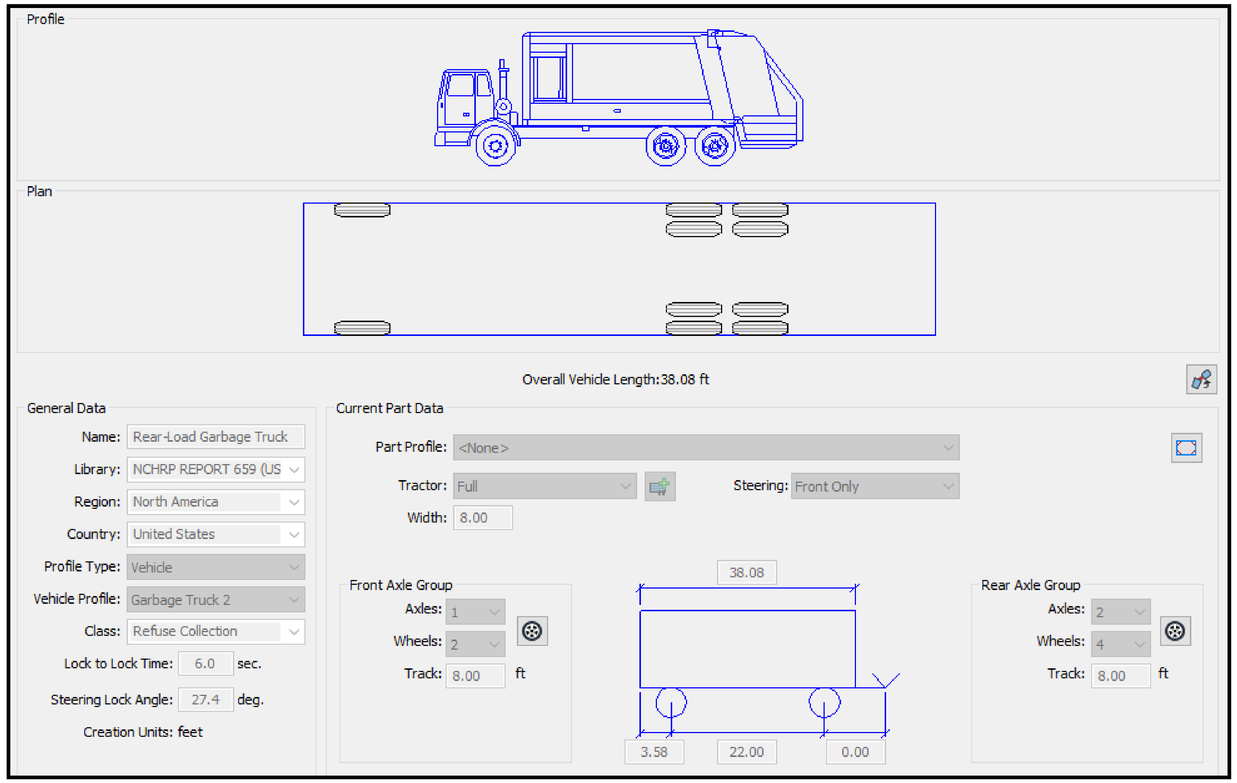


SEC. 08 TWP. 44 S. RGE. 43 E.

GRAPHIC SCALE

40 0 20 40 80 160

(IN FEET)
1 inch = 40 ft.



AUTOTURN GARBAGE TRUCK PLAN
FOR
PRAIRIE ROAD SUBDIVISION
WEST PALM BEACH, FLORIDA

REVISIONS

	DATE	BY	CK

LDi
Last Devenport, Inc.
EB 9889
1860 Old Okeechobee Road, Suite 504
West Palm Beach, FL 33409
phone (561)615-6567 fax (561)683-0872

SCALE: 1"=40'
DATE: 2/6/21
DESIGNED BY: SG
CHECKED BY: SG
DRAWING FILE: 19-081-PE.4

02/08/21
SCOTT M. GINTERT, P.E.
FLORIDA P.E. #84228

19-081 | PE.4

SHEET 5 OF 5

CALL BEFORE YOU DIG
Sunshine State 811 One Call OF FLORIDA, INC
811 or (800) 432-4770

Last Devenport, Inc.
PROFESSIONAL CONSULTING SERVICES

Prairie Rd. Subdivision

West Palm Beach, Florida

SURFACE WATER MANAGEMENT CALCULATIONS

LDi Project No. 19-081

Revision #1 – February 3, 2021

LAST DEVENPORT, INC. (E.B. # 9889)

Scott M. Gintert, P.E. Date
FL Reg. No. 84228

THIS ITEM HAS BEEN DIGITALLY SIGNED AND SEALED BY SCOTT M. GINTERT, P.E. ON 02/08/2021.

PRINTED COPIES OF THIS DOCUMENT ARE NOT CONSIDERED SIGNED AND SEALED AND THE SIGNATURE MUST BE VERIFIED ON ANY ELECTRONIC COPIES.

Project Name: Prairie Rd. Subdivision

SURFACE WATER MANAGEMENT CALCULATIONS

Date: 2/3/2021
Project Number: 19-081
Sec/Twp/Rge: S08/T44S/R43E
Vertical Datum: NAVD

Summary

Required Water Quality Storage Volume:	0.12	ac-ft	
Water Quality Storage Volume Stage:	8.64	NAVD	10.15 NGVD
Allowable Peak Discharge:	0.16	cfs	
Design Peak Discharge (With Minimum Bleeder):	1.11	cfs	
Control Elevation:	6.99	NAVD	8.50 NGVD

Minimum Design Elevations (Design Storm Event)

	Stage Elevation	Stage Elevation
Asphalt / Roadways (3 Year, 1 Day Storm Event)	10.85 NAVD	12.36 NGVD
Offsite Discharge (10 Year, 3 Day Storm Event)	10.73 NAVD	12.24 NGVD
Perimeter (25 Year, 3 Day Storm Event)	11.12 NAVD	12.63 NGVD
Finished Floor (100 Year, 3 Day Storm Event)	12.50 NAVD	14.01 NGVD

Flood Routing Elevations (Design Rainfall)

	Stage Elevation	Stage Elevation	Discharge	Runoff Volume
3 Year, 1 Day Storm Event (5.5 inches)	9.24 NAVD	10.75 NGVD	0.61 cfs	0.61 ac-ft
10 Year, 3 Day Storm Event (10.5 inches)	10.73 NAVD	12.24 NGVD	1.11 cfs	1.64 ac-ft
25 Year, 3 Day Storm Event (12.6 inches)	11.12 NAVD	12.63 NGVD	1.17 cfs	2.10 ac-ft
100 Year, 3 Day Storm Event (16.0 inches)	12.45 NAVD	13.96 NGVD		2.87 ac-ft

Control Structure Information

Proposed Control Structure (CS)			
Weir Length:	10.17 ft.		
Weir Elevation:	11.12 NAVD	12.63 NGVD	
Bleeder Type:	Inverted Triangle		
Bleeder Height:	0.50 ft.		
Bleeder Width:	0.50 ft.		
Bleeder Angle:	53.13 deg.		
Bleeder Invert Elevation:	7.00 NAVD	8.51 NGVD	

Last Devenport, Inc.
PROFESSIONAL CONSULTING SERVICES

Project Name: Prairie Rd. Subdivision

SURFACE WATER MANAGEMENT CALCULATIONS

Date: 2/3/2021
Project Number: 19-081
Sec/Twp/Rge: S08/T44S/R43E

I. Given

A. Post Development Area Acreage:

1. Total	2.84
2. Impervious	
a. Buildings (roof)	0.51
b. Pavement	0.69
3. Lakes	0.00
4. Pervious	1.64

B. Proposed Minimum Elevations:

1. Roads and Parking = 10.85 NAVD CONTROL = 6.99 NAVD
2. Floors = 12.50 NAVD

C. Design Storm Allowable Discharge:

1. Basin SFWMD C-51 Basin Sub-Basin 32
2. Sub-Basin 32 Min. FFE = 11.39 NAVD
3. SFMWD Formula 35 csm = 0.16 cfs

Allowable Discharge = 0.16 cfs

D. Water Level Elevations:

1. Wet Season Water Table 6.99 NAVD
2. Receiving body water level will not affect discharge rates

Note: Proposed minimum parking grade {10.85 NAVD} is more than 2 ft. minimum above wet season water table or control elevation of 6.99 NAVD.

E. Rainfall Amounts:

1. Asphalt / Roadways (3 year - 1 day)	5.5 inches
2. Offsite Discharge (10 year - 3 day)	10.5 inches
3. Perimeter Design (25 year - 3 day)	12.6 inches
4. Floors (100 year - 3 day)	16.0 inches

II. Design Criteria

A. Site Water Quality:

1. Since this is a dry detention system whichever of the greater of a)or b) shall govern
    a. The first inch of runoff over the entire site , or
    b. The amount of 2.5 inches times the percentage of impervious area
2. The site provides 100% dry detention for water quality and is thereby eligible for a 25% reduction in water quality volume.
2. The retention system will be designed to discharge at least 1/2 of the retention volume per day

B. Quantity:

1. The allowable peak discharge is 0.16 cfs
2. Floors are no lower than 12.50 NAVD
3. Roads and Parking are desired to be no lower than 10.85 NAVD

III. Computations

A. Site Water Quality:

1. Compute first inch of runoff from the developed project

    = 1 in. x 2.84 ac. X 1/12 = 0.24 ac-ft

    0.24 ac-ft for first inch of runoff over the entire site

2. Compute 2.5 inches times the percentage of impervious area
    a. Site Area for water quality pervious/impervious calculations only

    = Total Project area - (Lake + Roof)

    = 2.84 - 0.51 = 2.33 acre

    b. Impervious Area for water quality pervious/impervious calculations only

    = (Site Area for water quality pervious/impervious) - Pervious

    = 2.33 - 1.64 = 0.69 acre

    0.69 acre of impervious area for water quality pervious/impervious

    c. Percentage of Impervious for water quality:

    = (Impervious Area for water quality/Site Area for water quality) x 100%

    = 0.69 / 2.33 X 100%

    = 30% impervious

d. For 2.5 inches times the percentage impervious:

= 2.5 in X 0.30

= 0.74 inches to be treated

e. Compute volume required for water quality detention

= inches to be treated x (total site - lakes)

= 0.74 X 2.84 - 0.00 X 1/12 in.

= 0.18 ac-ft required detention storage

3. The greater of the first inch or 2.5" times the percentage impervious controls

0.24 > 0.18

Since the first inch of runoff from the developed project = 0.24 ac-ft is greater than 2.5 in. times the percentage of impervious, the first inch of runoff controls.

4. Because the system is 100% dry retention, a 50% reduction in retention volume is permitted.

Total detained volume = 0.12 ac-ft occurs at elevation 8.64 NAVD

B. SCS Curve Number

1. The control elevation is 6.99 NAVD, and it is assumed that the wet season water table will be the same for the project. Consequently an average water table elevation of 6.99 NAVD will be assumed for purposes of design.

2. The average site finished grades will vary from the lowest elevation of 8.00 to 13.10 NAVD therefore the average site grade elevation will be 10.55 NAVD.

3. The average depth to water table will be:

= average site grade elevation - average water table elevation

= 10.55 - 6.99

= 3.56 ft

4. From the soil storage table using Coastal Storage and assuming 25% compaction with 3.56 ft to the water table, up to 6.76 inches of moisture can be stored in the soil under the pervious areas

5. Compute available soil storage

= storage available X pervious areas

= 6.76 X 1.64 = 11.08 X 1/12 in.

= 0.92 ac-ft of storage under pervious areas

6. Convert available soil storage to site-wide moisture storage, S

S = available soil storage onsite/site area

= 0.92 / 2.84 X 12 in/ 1 ft

= 3.90 inches of site-wide moisture storage, S

7. SCS Curve Number, CN

CN = 1000/(S + 10)

= 1000 / 3.90 + 10

= 72 SCS Curve Number

C. Project Surface Storage

1. Assumptions

a. 0.09 Acres of Dry Detention 1 stores linearly upward from elevation 8.00 to 10.50 NAVD
b. 0.18 Acres of Dry Detention 1 stores vertically upward from elevation 8.00 to 10.50 NAVD
c. 0.13 Acres of Sidewalk stores linearly upward from elevation 11.25 to 12.05 NAVD
d. 0.57 Acres of Asphalt stores linearly upward from elevation 10.85 to 11.80 NAVD
e. 1.38 Acres of Open Space stores linearly upward from elevation 10.5 to 13.1 NAVD

2. Stage-Storage Computations are shown on the attached flood routing calculations.

D. Control Structure

1. Values of stage vs. discharge are shown on the attached flood routing calculations.

IV. Confirm Storm Stages vs Design Elevations

A. Minimum Building Floor Elevation

1. The minimum finished floor elevation must be above the 100 Year - 3 Day flood elevation. Since the flood routing calculations indicate the 100 Year - 3 Day Storm Stage = 12.45 NAVD and the proposed finished floor elevation is 12.50 NAVD, the criteria is met for the site.

The minimum floor elevation is acceptable.

A. Minimum Asphalt Elevation

1. The minimum asphalt elevation must be above the 3 Year - 1 Day rainfall event, which is 9.24 NAVD. Since the minimum proposed parking lot elevation is 10.85 NAVD, the criteria is met.

The minimum asphalt elevation is acceptable.

B. Allowable Peak Discharge

1. The allowable peak discharge per the SFWMD C-51 Basin Sub-Basin 32 of 35.0 csm = 0.16 cfs for the site area of 2.84 acres.

2. The minimum bleeder size per LWDD is a 6" x 6" Inverted Triangle bleeder. Per the attached computations, the max. discharge through the control structure bleeder is 1.11 CFS

The bleeder discharge controls

3. The minimum perimeter elevation is based on the 25 Year - 3 Day storm event, which is 11.12 NAVD. Since the flood routing calculations indicate the 25 Year - 3 Day storm stage = 11.12 NAVD, the proposed minimum perimeter elevation is sufficient.

The minimum perimeter berm elevation is acceptable.

Prairie Rd. Subdivision

POST-DEVELOPMENT STAGE VS. STORAGE:

STORAGE CATEGORY =	DRY DETENTION 1	DRY DETENTION 1	SIDEWALK	ASPHALT	OPEN SPACE	TOTAL STORAGE
STORAGE TYPE =	LINEAR	VERTICAL	LINEAR	LINEAR	LINEAR	
BEGINNING STAGE =	8.00	8.00	11.25	10.85	10.50	
ENDING STAGE =	10.50	10.50	12.05	11.80	13.10	
STORAGE AREA (Ac) =	0.09	0.18	0.13	0.57	1.38	
STAGE (ft) / STORAGE	(Ac-ft)	(Ac-ft)	(Ac-ft)	(Ac-ft)	(Ac-ft)	(Ac-ft)
8.00	0.00	0.00	0.00	0.00	0.00	0.00
9.00	0.02	0.18	0.00	0.00	0.00	0.19
10.00	0.07	0.35	0.00	0.00	0.00	0.42
11.00	0.15	0.53	0.00	0.01	0.07	0.75
12.00	0.24	0.70	0.04	0.38	0.60	1.96
13.00	0.33	0.88	0.17	0.95	1.66	3.98
14.00	0.42	1.05	0.30	1.52	3.03	6.31

Water quality detention volume = 0.12 AC-FT occurs at stage 8.64 NGVD

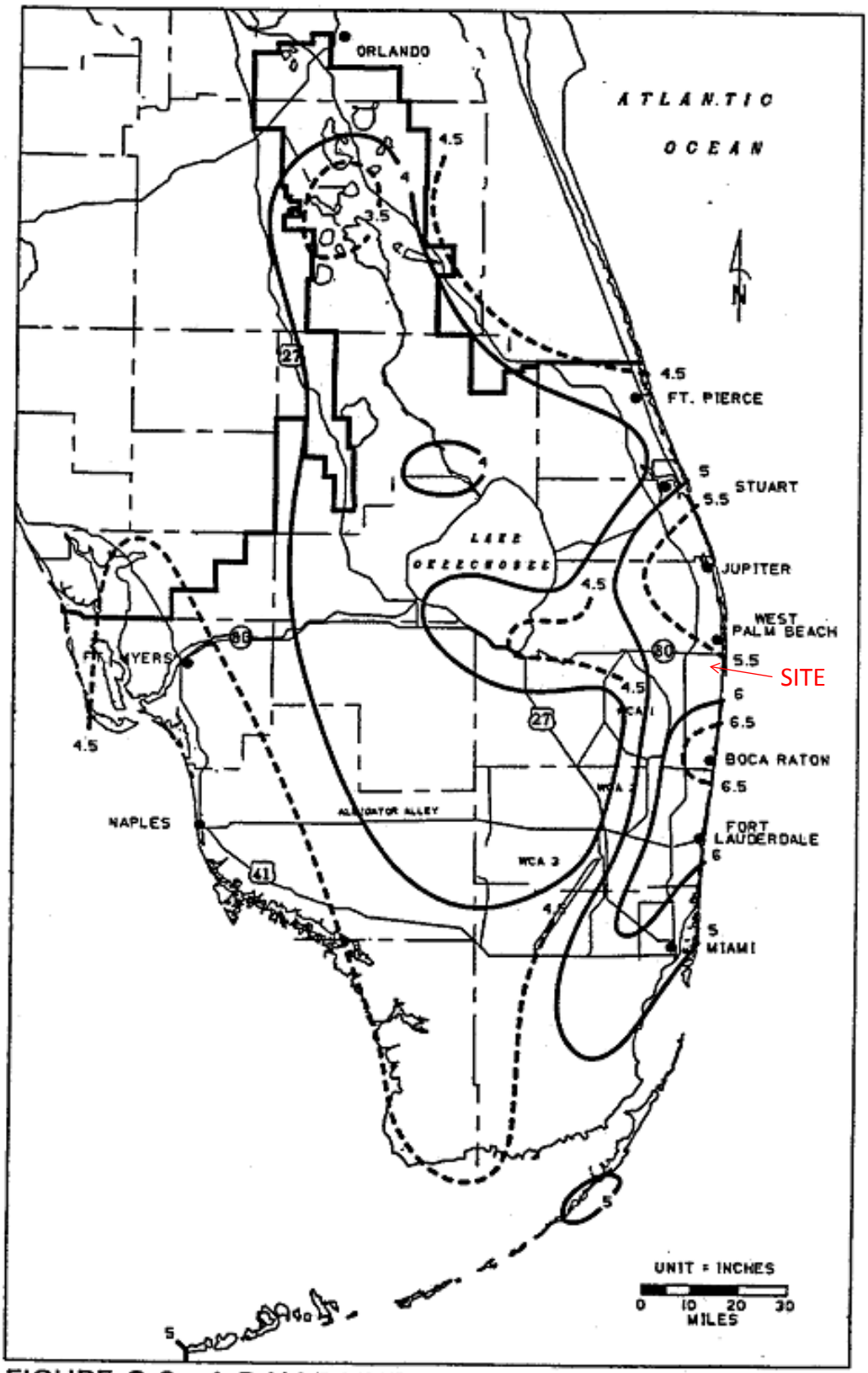


FIGURE C-2. 1-DAY RAINFALL: 3-YEAR RETURN PERIOD

Project Name: Prairie Rd. Subdivision
Reviewer: SMG
Project Number: 19-081
  Period Begin: Feb 03, 2021;0000 hr End: Feb 17, 2021;0000 hr Duration: 336 hr
  Time Step: 0.2 hr, Iterations: 10

Basin 1: Onsite

  Method: Santa Barbara Unit Hydrograph
  Rainfall Distribution: SFWMD - 24 hr
  Design Frequency: 3 year
  1 Day Rainfall: 5.5 inches
  Area: 2.84 acres
  Ground Storage: 3.9 inches
  Time of Concentration: 0.17 hours
  Initial Stage: 7 ft NGVD

Stage (ft NGVD)	Storage (acre-ft)
7.00	0.00
8.06	0.01
9.00	0.19
10.00	0.42
11.00	0.75
12.00	1.96
13.00	3.98
14.00	6.31

Offsite Receiving Body: Offsite

Time (hr)	Stage (ft NGVD)
0.00	6.99
336.00	6.99

Structure: 1

  From Basin: Onsite
  To Basin: Offsite
  Structure Type: Gravity
    Weir: Sharp Crested, Crest Elev = 11.12 ft NGVD, Length = 10.17 ft
    Bleeder: Inv-Tri, Invert Elev = 7 ft NGVD, Height = 0.5 ft
      Width = 0.5 ft
      Default Coefs: Weir Coef = 2.5, Orifice Coef = 0.6
    Pipe: Diameter = 1.5 ft, Manning's n = 0.012, Length = 50 ft
      US Invert Elev = 7 ft NGVD, DS Invert Elev = 7 ft NGVD, no flap gate

Time (hr)	Cumulative Rainfall (in)	Instant Runoff (cfs)	Current Discharge (cfs)	Cumulative Discharge (acre-ft)	Head Water Stage (ft NGVD)	Tail Water Stage (ft NGVD)
0.00	0.00	0.00	0.00	0.00	7.00	6.99
1.00	0.05	0.00	0.00	0.00	7.00	6.99
2.00	0.11	0.00	0.00	0.00	7.00	6.99
3.00	0.18	0.00	0.00	0.00	7.00	6.99
4.00	0.25	0.00	0.00	0.00	7.00	6.99
5.00	0.34	0.00	0.00	0.00	7.00	6.99
6.00	0.46	0.00	0.00	0.00	7.00	6.99
7.00	0.59	0.00	0.00	0.00	7.00	6.99
8.00	0.75	0.00	0.00	0.00	7.00	6.99
9.00	0.94	0.03	0.00	0.00	7.10	6.99
10.00	1.17	0.11	0.09	0.00	7.35	6.99
11.00	1.48	0.26	0.28	0.02	7.56	6.99
12.00	3.61	5.90	0.71	0.06	8.71	6.99
13.00	4.22	0.91	0.83	0.13	9.24	6.99
14.00	4.50	0.54	0.82	0.20	9.18	6.99
15.00	4.68	0.36	0.79	0.26	9.04	6.99
16.00	4.84	0.36	0.75	0.33	8.87	6.99

Time (hr)	Cumulative Rainfall (in)	Instant Runoff (cfs)	Current Discharge (cfs)	Cumulative Discharge (acre-ft)	Head Water Stage (ft NGVD)	Tail Water Stage (ft NGVD)
17.00	4.94	0.22	0.69	0.38	8.67	6.99
18.00	5.04	0.22	0.64	0.44	8.47	6.99
19.00	5.14	0.22	0.59	0.49	8.30	6.99
20.00	5.24	0.22	0.54	0.54	8.15	6.99
21.00	5.30	0.15	0.13	0.57	7.47	6.99
22.00	5.37	0.15	0.15	0.58	7.53	6.99
23.00	5.43	0.15	0.15	0.59	7.53	6.99
24.00	5.50	0.15	0.15	0.61	7.53	6.99
25.00	5.50	0.00	0.01	0.61	7.17	6.99
26.00	5.50	0.00	0.00	0.61	7.10	6.99
27.00	5.50	0.00	0.00	0.61	7.08	6.99
28.00	5.50	0.00	0.00	0.61	7.06	6.99
29.00	5.50	0.00	0.00	0.61	7.05	6.99
30.00	5.50	0.00	0.00	0.61	7.05	6.99
31.00	5.50	0.00	0.00	0.61	7.04	6.99
32.00	5.50	0.00	0.00	0.61	7.04	6.99
33.00	5.50	0.00	0.00	0.61	7.04	6.99
34.00	5.50	0.00	0.00	0.61	7.03	6.99
35.00	5.50	0.00	0.00	0.61	7.03	6.99
36.00	5.50	0.00	0.00	0.61	7.03	6.99
37.00	5.50	0.00	0.00	0.61	7.03	6.99
38.00	5.50	0.00	0.00	0.61	7.03	6.99
39.00	5.50	0.00	0.00	0.61	7.03	6.99
40.00	5.50	0.00	0.00	0.61	7.02	6.99
41.00	5.50	0.00	0.00	0.61	7.02	6.99
42.00	5.50	0.00	0.00	0.61	7.02	6.99
43.00	5.50	0.00	0.00	0.61	7.02	6.99
44.00	5.50	0.00	0.00	0.61	7.02	6.99
45.00	5.50	0.00	0.00	0.61	7.02	6.99
46.00	5.50	0.00	0.00	0.61	7.02	6.99
47.00	5.50	0.00	0.00	0.61	7.02	6.99
48.00	5.50	0.00	0.00	0.61	7.02	6.99
49.00	5.50	0.00	0.00	0.61	7.02	6.99
50.00	5.50	0.00	0.00	0.61	7.02	6.99
51.00	5.50	0.00	0.00	0.61	7.02	6.99
52.00	5.50	0.00	0.00	0.61	7.02	6.99
53.00	5.50	0.00	0.00	0.61	7.02	6.99
54.00	5.50	0.00	0.00	0.61	7.02	6.99
55.00	5.50	0.00	0.00	0.61	7.02	6.99
56.00	5.50	0.00	0.00	0.61	7.02	6.99
57.00	5.50	0.00	0.00	0.61	7.02	6.99
58.00	5.50	0.00	0.00	0.61	7.01	6.99
59.00	5.50	0.00	0.00	0.61	7.01	6.99
60.00	5.50	0.00	0.00	0.61	7.01	6.99
61.00	5.50	0.00	0.00	0.61	7.01	6.99
62.00	5.50	0.00	0.00	0.61	7.01	6.99
63.00	5.50	0.00	0.00	0.61	7.01	6.99
64.00	5.50	0.00	0.00	0.61	7.01	6.99
65.00	5.50	0.00	0.00	0.61	7.01	6.99
66.00	5.50	0.00	0.00	0.61	7.01	6.99
67.00	5.50	0.00	0.00	0.61	7.01	6.99
68.00	5.50	0.00	0.00	0.61	7.01	6.99
69.00	5.50	0.00	0.00	0.61	7.01	6.99
70.00	5.50	0.00	0.00	0.61	7.01	6.99
71.00	5.50	0.00	0.00	0.61	7.01	6.99
72.00	5.50	0.00	0.00	0.61	7.01	6.99
73.00	5.50	0.00	0.00	0.61	7.01	6.99
74.00	5.50	0.00	0.00	0.61	7.01	6.99
75.00	5.50	0.00	0.00	0.61	7.01	6.99
76.00	5.50	0.00	0.00	0.61	7.01	6.99
77.00	5.50	0.00	0.00	0.61	7.01	6.99
78.00	5.50	0.00	0.00	0.61	7.01	6.99
79.00	5.50	0.00	0.00	0.61	7.01	6.99
80.00	5.50	0.00	0.00	0.61	7.01	6.99
81.00	5.50	0.00	0.00	0.61	7.01	6.99
82.00	5.50	0.00	0.00	0.61	7.01	6.99
83.00	5.50	0.00	0.00	0.61	7.01	6.99
84.00	5.50	0.00	0.00	0.61	7.01	6.99
85.00	5.50	0.00	0.00	0.61	7.01	6.99

Time (hr)	Cumulative Rainfall (in)	Instant Runoff (cfs)	Current Discharge (cfs)	Cumulative Discharge (acre-ft)	Head Water Stage (ft NGVD)	Tail Water Stage (ft NGVD)
86.00	5.50	0.00	0.00	0.61	7.01	6.99
87.00	5.50	0.00	0.00	0.61	7.01	6.99
88.00	5.50	0.00	0.00	0.61	7.01	6.99
89.00	5.50	0.00	0.00	0.61	7.01	6.99
90.00	5.50	0.00	0.00	0.61	7.01	6.99
91.00	5.50	0.00	0.00	0.61	7.01	6.99
92.00	5.50	0.00	0.00	0.61	7.01	6.99
93.00	5.50	0.00	0.00	0.61	7.01	6.99
94.00	5.50	0.00	0.00	0.61	7.01	6.99
95.00	5.50	0.00	0.00	0.61	7.01	6.99
96.00	5.50	0.00	0.00	0.61	7.01	6.99
97.00	5.50	0.00	0.00	0.61	7.01	6.99
98.00	5.50	0.00	0.00	0.61	7.01	6.99
99.00	5.50	0.00	0.00	0.61	7.01	6.99
100.00	5.50	0.00	0.00	0.61	7.01	6.99
101.00	5.50	0.00	0.00	0.61	7.01	6.99
102.00	5.50	0.00	0.00	0.61	7.01	6.99
103.00	5.50	0.00	0.00	0.61	7.01	6.99
104.00	5.50	0.00	0.00	0.61	7.01	6.99
105.00	5.50	0.00	0.00	0.61	7.01	6.99
106.00	5.50	0.00	0.00	0.61	7.01	6.99
107.00	5.50	0.00	0.00	0.61	7.01	6.99
108.00	5.50	0.00	0.00	0.61	7.01	6.99
109.00	5.50	0.00	0.00	0.61	7.01	6.99
110.00	5.50	0.00	0.00	0.61	7.01	6.99
111.00	5.50	0.00	0.00	0.61	7.01	6.99
112.00	5.50	0.00	0.00	0.61	7.01	6.99
113.00	5.50	0.00	0.00	0.61	7.01	6.99
114.00	5.50	0.00	0.00	0.61	7.01	6.99
115.00	5.50	0.00	0.00	0.61	7.01	6.99
116.00	5.50	0.00	0.00	0.61	7.01	6.99
117.00	5.50	0.00	0.00	0.61	7.01	6.99
118.00	5.50	0.00	0.00	0.61	7.01	6.99
119.00	5.50	0.00	0.00	0.61	7.01	6.99
120.00	5.50	0.00	0.00	0.61	7.01	6.99
121.00	5.50	0.00	0.00	0.61	7.01	6.99
122.00	5.50	0.00	0.00	0.61	7.01	6.99
123.00	5.50	0.00	0.00	0.61	7.01	6.99
124.00	5.50	0.00	0.00	0.61	7.01	6.99
125.00	5.50	0.00	0.00	0.61	7.01	6.99
126.00	5.50	0.00	0.00	0.61	7.01	6.99
127.00	5.50	0.00	0.00	0.61	7.01	6.99
128.00	5.50	0.00	0.00	0.61	7.01	6.99
129.00	5.50	0.00	0.00	0.61	7.01	6.99
130.00	5.50	0.00	0.00	0.61	7.01	6.99
131.00	5.50	0.00	0.00	0.61	7.01	6.99
132.00	5.50	0.00	0.00	0.61	7.01	6.99
133.00	5.50	0.00	0.00	0.61	7.01	6.99
134.00	5.50	0.00	0.00	0.61	7.01	6.99
135.00	5.50	0.00	0.00	0.61	7.01	6.99
136.00	5.50	0.00	0.00	0.61	7.01	6.99
137.00	5.50	0.00	0.00	0.61	7.01	6.99
138.00	5.50	0.00	0.00	0.61	7.01	6.99
139.00	5.50	0.00	0.00	0.61	7.01	6.99
140.00	5.50	0.00	0.00	0.61	7.01	6.99
141.00	5.50	0.00	0.00	0.61	7.01	6.99
142.00	5.50	0.00	0.00	0.61	7.01	6.99
143.00	5.50	0.00	0.00	0.61	7.01	6.99
144.00	5.50	0.00	0.00	0.61	7.01	6.99
145.00	5.50	0.00	0.00	0.61	7.01	6.99
146.00	5.50	0.00	0.00	0.61	7.01	6.99
147.00	5.50	0.00	0.00	0.61	7.01	6.99
148.00	5.50	0.00	0.00	0.61	7.01	6.99
149.00	5.50	0.00	0.00	0.61	7.01	6.99
150.00	5.50	0.00	0.00	0.61	7.01	6.99
151.00	5.50	0.00	0.00	0.61	7.01	6.99
152.00	5.50	0.00	0.00	0.61	7.01	6.99
153.00	5.50	0.00	0.00	0.61	7.01	6.99
154.00	5.50	0.00	0.00	0.61	7.01	6.99

Time (hr)	Cumulative Rainfall (in)	Instant Runoff (cfs)	Current Discharge (cfs)	Cumulative Discharge (acre-ft)	Head Water Stage (ft NGVD)	Tail Water Stage (ft NGVD)
155.00	5.50	0.00	0.00	0.61	7.01	6.99
156.00	5.50	0.00	0.00	0.61	7.01	6.99
157.00	5.50	0.00	0.00	0.61	7.01	6.99
158.00	5.50	0.00	0.00	0.61	7.01	6.99
159.00	5.50	0.00	0.00	0.61	7.01	6.99
160.00	5.50	0.00	0.00	0.61	7.01	6.99
161.00	5.50	0.00	0.00	0.61	7.01	6.99
162.00	5.50	0.00	0.00	0.61	7.01	6.99
163.00	5.50	0.00	0.00	0.61	7.01	6.99
164.00	5.50	0.00	0.00	0.61	7.01	6.99
165.00	5.50	0.00	0.00	0.61	7.01	6.99
166.00	5.50	0.00	0.00	0.61	7.01	6.99
167.00	5.50	0.00	0.00	0.61	7.01	6.99
168.00	5.50	0.00	0.00	0.61	7.01	6.99
169.00	5.50	0.00	0.00	0.61	7.01	6.99
170.00	5.50	0.00	0.00	0.61	7.01	6.99
171.00	5.50	0.00	0.00	0.61	7.01	6.99
172.00	5.50	0.00	0.00	0.61	7.01	6.99
173.00	5.50	0.00	0.00	0.61	7.01	6.99
174.00	5.50	0.00	0.00	0.61	7.01	6.99
175.00	5.50	0.00	0.00	0.61	7.01	6.99
176.00	5.50	0.00	0.00	0.61	7.01	6.99
177.00	5.50	0.00	0.00	0.61	7.01	6.99
178.00	5.50	0.00	0.00	0.61	7.01	6.99
179.00	5.50	0.00	0.00	0.61	7.01	6.99
180.00	5.50	0.00	0.00	0.61	7.01	6.99
181.00	5.50	0.00	0.00	0.61	7.01	6.99
182.00	5.50	0.00	0.00	0.61	7.01	6.99
183.00	5.50	0.00	0.00	0.61	7.01	6.99
184.00	5.50	0.00	0.00	0.61	7.01	6.99
185.00	5.50	0.00	0.00	0.61	7.01	6.99
186.00	5.50	0.00	0.00	0.61	7.01	6.99
187.00	5.50	0.00	0.00	0.61	7.01	6.99
188.00	5.50	0.00	0.00	0.61	7.01	6.99
189.00	5.50	0.00	0.00	0.61	7.01	6.99
190.00	5.50	0.00	0.00	0.61	7.01	6.99
191.00	5.50	0.00	0.00	0.61	7.01	6.99
192.00	5.50	0.00	0.00	0.61	7.01	6.99
193.00	5.50	0.00	0.00	0.61	7.01	6.99
194.00	5.50	0.00	0.00	0.61	7.01	6.99
195.00	5.50	0.00	0.00	0.61	7.01	6.99
196.00	5.50	0.00	0.00	0.61	7.01	6.99
197.00	5.50	0.00	0.00	0.61	7.00	6.99
198.00	5.50	0.00	0.00	0.61	7.00	6.99
199.00	5.50	0.00	0.00	0.61	7.00	6.99
200.00	5.50	0.00	0.00	0.61	7.00	6.99
201.00	5.50	0.00	0.00	0.61	7.00	6.99
202.00	5.50	0.00	0.00	0.61	7.00	6.99
203.00	5.50	0.00	0.00	0.61	7.00	6.99
204.00	5.50	0.00	0.00	0.61	7.00	6.99
205.00	5.50	0.00	0.00	0.61	7.00	6.99
206.00	5.50	0.00	0.00	0.61	7.00	6.99
207.00	5.50	0.00	0.00	0.61	7.00	6.99
208.00	5.50	0.00	0.00	0.61	7.00	6.99
209.00	5.50	0.00	0.00	0.61	7.00	6.99
210.00	5.50	0.00	0.00	0.61	7.00	6.99
211.00	5.50	0.00	0.00	0.61	7.00	6.99
212.00	5.50	0.00	0.00	0.61	7.00	6.99
213.00	5.50	0.00	0.00	0.61	7.00	6.99
214.00	5.50	0.00	0.00	0.61	7.00	6.99
215.00	5.50	0.00	0.00	0.61	7.00	6.99
216.00	5.50	0.00	0.00	0.61	7.00	6.99
217.00	5.50	0.00	0.00	0.61	7.00	6.99
218.00	5.50	0.00	0.00	0.61	7.00	6.99
219.00	5.50	0.00	0.00	0.61	7.00	6.99
220.00	5.50	0.00	0.00	0.61	7.00	6.99
221.00	5.50	0.00	0.00	0.61	7.00	6.99
222.00	5.50	0.00	0.00	0.61	7.00	6.99
223.00	5.50	0.00	0.00	0.61	7.00	6.99

Time (hr)	Cumulative Rainfall (in)	Instant Runoff (cfs)	Current Discharge (cfs)	Cumulative Discharge (acre-ft)	Head Water Stage (ft NGVD)	Tail Water Stage (ft NGVD)
224.00	5.50	0.00	0.00	0.61	7.00	6.99
225.00	5.50	0.00	0.00	0.61	7.00	6.99
226.00	5.50	0.00	0.00	0.61	7.00	6.99
227.00	5.50	0.00	0.00	0.61	7.00	6.99
228.00	5.50	0.00	0.00	0.61	7.00	6.99
229.00	5.50	0.00	0.00	0.61	7.00	6.99
230.00	5.50	0.00	0.00	0.61	7.00	6.99
231.00	5.50	0.00	0.00	0.61	7.00	6.99
232.00	5.50	0.00	0.00	0.61	7.00	6.99
233.00	5.50	0.00	0.00	0.61	7.00	6.99
234.00	5.50	0.00	0.00	0.61	7.00	6.99
235.00	5.50	0.00	0.00	0.61	7.00	6.99
236.00	5.50	0.00	0.00	0.61	7.00	6.99
237.00	5.50	0.00	0.00	0.61	7.00	6.99
238.00	5.50	0.00	0.00	0.61	7.00	6.99
239.00	5.50	0.00	0.00	0.61	7.00	6.99
240.00	5.50	0.00	0.00	0.61	7.00	6.99
241.00	5.50	0.00	0.00	0.61	7.00	6.99
242.00	5.50	0.00	0.00	0.61	7.00	6.99
243.00	5.50	0.00	0.00	0.61	7.00	6.99
244.00	5.50	0.00	0.00	0.61	7.00	6.99
245.00	5.50	0.00	0.00	0.61	7.00	6.99
246.00	5.50	0.00	0.00	0.61	7.00	6.99
247.00	5.50	0.00	0.00	0.61	7.00	6.99
248.00	5.50	0.00	0.00	0.61	7.00	6.99
249.00	5.50	0.00	0.00	0.61	7.00	6.99
250.00	5.50	0.00	0.00	0.61	7.00	6.99
251.00	5.50	0.00	0.00	0.61	7.00	6.99
252.00	5.50	0.00	0.00	0.61	7.00	6.99
253.00	5.50	0.00	0.00	0.61	7.00	6.99
254.00	5.50	0.00	0.00	0.61	7.00	6.99
255.00	5.50	0.00	0.00	0.61	7.00	6.99
256.00	5.50	0.00	0.00	0.61	7.00	6.99
257.00	5.50	0.00	0.00	0.61	7.00	6.99
258.00	5.50	0.00	0.00	0.61	7.00	6.99
259.00	5.50	0.00	0.00	0.61	7.00	6.99
260.00	5.50	0.00	0.00	0.61	7.00	6.99
261.00	5.50	0.00	0.00	0.61	7.00	6.99
262.00	5.50	0.00	0.00	0.61	7.00	6.99
263.00	5.50	0.00	0.00	0.61	7.00	6.99
264.00	5.50	0.00	0.00	0.61	7.00	6.99
265.00	5.50	0.00	0.00	0.61	7.00	6.99
266.00	5.50	0.00	0.00	0.61	7.00	6.99
267.00	5.50	0.00	0.00	0.61	7.00	6.99
268.00	5.50	0.00	0.00	0.61	7.00	6.99
269.00	5.50	0.00	0.00	0.61	7.00	6.99
270.00	5.50	0.00	0.00	0.61	7.00	6.99
271.00	5.50	0.00	0.00	0.61	7.00	6.99
272.00	5.50	0.00	0.00	0.61	7.00	6.99
273.00	5.50	0.00	0.00	0.61	7.00	6.99
274.00	5.50	0.00	0.00	0.61	7.00	6.99
275.00	5.50	0.00	0.00	0.61	7.00	6.99
276.00	5.50	0.00	0.00	0.61	7.00	6.99
277.00	5.50	0.00	0.00	0.61	7.00	6.99
278.00	5.50	0.00	0.00	0.61	7.00	6.99
279.00	5.50	0.00	0.00	0.61	7.00	6.99
280.00	5.50	0.00	0.00	0.61	7.00	6.99
281.00	5.50	0.00	0.00	0.61	7.00	6.99
282.00	5.50	0.00	0.00	0.61	7.00	6.99
283.00	5.50	0.00	0.00	0.61	7.00	6.99
284.00	5.50	0.00	0.00	0.61	7.00	6.99
285.00	5.50	0.00	0.00	0.61	7.00	6.99
286.00	5.50	0.00	0.00	0.61	7.00	6.99
287.00	5.50	0.00	0.00	0.61	7.00	6.99
288.00	5.50	0.00	0.00	0.61	7.00	6.99
289.00	5.50	0.00	0.00	0.61	7.00	6.99
290.00	5.50	0.00	0.00	0.61	7.00	6.99
291.00	5.50	0.00	0.00	0.61	7.00	6.99
292.00	5.50	0.00	0.00	0.61	7.00	6.99

Time (hr)	Cumulative Rainfall (in)	Instant Runoff (cfs)	Current Discharge (cfs)	Cumulative Discharge (acre-ft)	Head Water Stage (ft NGVD)	Tail Water Stage (ft NGVD)
293.00	5.50	0.00	0.00	0.61	7.00	6.99
294.00	5.50	0.00	0.00	0.61	7.00	6.99
295.00	5.50	0.00	0.00	0.61	7.00	6.99
296.00	5.50	0.00	0.00	0.61	7.00	6.99
297.00	5.50	0.00	0.00	0.61	7.00	6.99
298.00	5.50	0.00	0.00	0.61	7.00	6.99
299.00	5.50	0.00	0.00	0.61	7.00	6.99
300.00	5.50	0.00	0.00	0.61	7.00	6.99
301.00	5.50	0.00	0.00	0.61	7.00	6.99
302.00	5.50	0.00	0.00	0.61	7.00	6.99
303.00	5.50	0.00	0.00	0.61	7.00	6.99
304.00	5.50	0.00	0.00	0.61	7.00	6.99
305.00	5.50	0.00	0.00	0.61	7.00	6.99
306.00	5.50	0.00	0.00	0.61	7.00	6.99
307.00	5.50	0.00	0.00	0.61	7.00	6.99
308.00	5.50	0.00	0.00	0.61	7.00	6.99
309.00	5.50	0.00	0.00	0.61	7.00	6.99
310.00	5.50	0.00	0.00	0.61	7.00	6.99
311.00	5.50	0.00	0.00	0.61	7.00	6.99
312.00	5.50	0.00	0.00	0.61	7.00	6.99
313.00	5.50	0.00	0.00	0.61	7.00	6.99
314.00	5.50	0.00	0.00	0.61	7.00	6.99
315.00	5.50	0.00	0.00	0.61	7.00	6.99
316.00	5.50	0.00	0.00	0.61	7.00	6.99
317.00	5.50	0.00	0.00	0.61	7.00	6.99
318.00	5.50	0.00	0.00	0.61	7.00	6.99
319.00	5.50	0.00	0.00	0.61	7.00	6.99
320.00	5.50	0.00	0.00	0.61	7.00	6.99
321.00	5.50	0.00	0.00	0.61	7.00	6.99
322.00	5.50	0.00	0.00	0.61	7.00	6.99
323.00	5.50	0.00	0.00	0.61	7.00	6.99
324.00	5.50	0.00	0.00	0.61	7.00	6.99
325.00	5.50	0.00	0.00	0.61	7.00	6.99
326.00	5.50	0.00	0.00	0.61	7.00	6.99
327.00	5.50	0.00	0.00	0.61	7.00	6.99
328.00	5.50	0.00	0.00	0.61	7.00	6.99
329.00	5.50	0.00	0.00	0.61	7.00	6.99
330.00	5.50	0.00	0.00	0.61	7.00	6.99
331.00	5.50	0.00	0.00	0.61	7.00	6.99
332.00	5.50	0.00	0.00	0.61	7.00	6.99
333.00	5.50	0.00	0.00	0.61	7.00	6.99
334.00	5.50	0.00	0.00	0.61	7.00	6.99
335.00	5.50	0.00	0.00	0.61	7.00	6.99
336.00	5.50	0.00	0.00	0.61	7.00	6.99

STRUCTURE MAXIMUM AND MINIMUM DISCHARGES

Struc	Max (cfs)	Time (hr)	Min (cfs)	Time (hr)
1	0.83	13.00	0.00	0.00

BASIN MAXIMUM AND MINIMUM STAGES

Basin	Max (ft)	Time (hr)	Min (ft)	Time (hr)
Onsite	9.24	13.00	7.00	0.00

BASIN WATER BUDGETS (all units in acre-ft)

Basin	Total Runoff	Structure Inflow	Structure Outflow	Initial Storage	Final Storage	Residual
Onsite	0.61	0.00	0.61	0.00	0.00	0.00

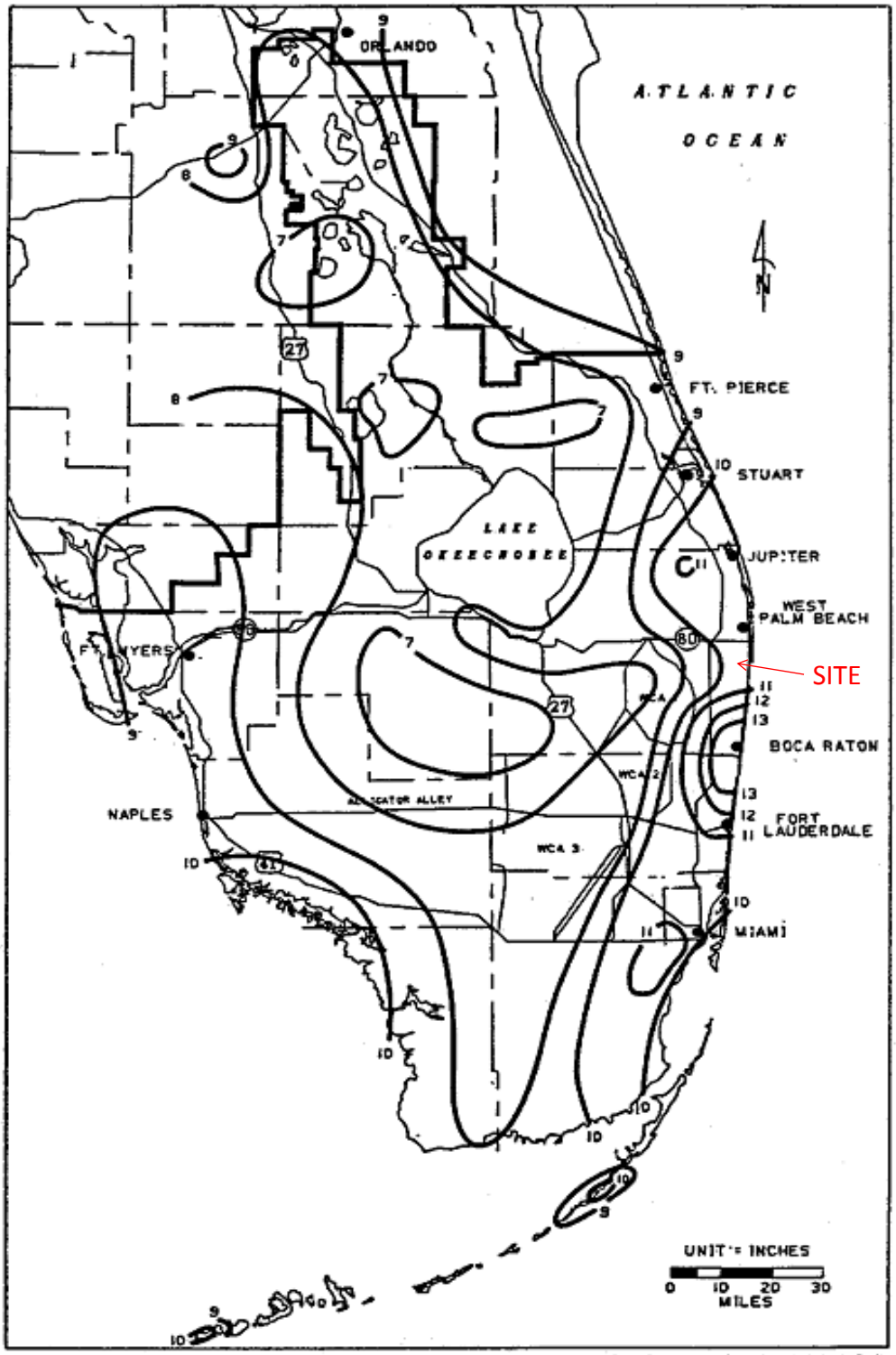


FIGURE C-7. 3-DAY RAINFALL: 10-YEAR RETURN PERIOD

Project Name: Prairie Rd. Subdivision
Reviewer: SMG
Project Number: 19-081
  Period Begin: Feb 03, 2021;0000 hr End: Feb 17, 2021;0000 hr Duration: 336 hr
  Time Step: 0.2 hr, Iterations: 10

Basin 1: Onsite

  Method: Santa Barbara Unit Hydrograph
  Rainfall Distribution: SFWMD - 3day
  Design Frequency: 10 year
  3 Day Rainfall: 10.5 inches
  Area: 2.84 acres
  Ground Storage: 3.9 inches
  Time of Concentration: 0.17 hours
  Initial Stage: 7 ft NGVD

Stage (ft NGVD)	Storage (acre-ft)
7.00	0.00
8.06	0.01
9.00	0.19
10.00	0.42
11.00	0.75
12.00	1.96
13.00	3.98
14.00	6.31

Offsite Receiving Body: Offsite

Time (hr)	Stage (ft NGVD)
0.00	6.99
336.00	6.99

Structure: 1

  From Basin: Onsite
  To Basin: Offsite
  Structure Type: Gravity
    Weir: Sharp Crested, Crest Elev = 11.12 ft NGVD, Length = 10.17 ft
    Bleeder: Inv-Tri, Invert Elev = 7 ft NGVD, Height = 0.5 ft
      Width = 0.5 ft
      Default Coefs: Weir Coef = 2.5, Orifice Coef = 0.6
    Pipe: Diameter = 1.5 ft, Manning's n = 0.012, Length = 50 ft
      US Invert Elev = 7 ft NGVD, DS Invert Elev = 7 ft NGVD, no flap gate

Time (hr)	Cumulative Rainfall (in)	Instant Runoff (cfs)	Current Discharge (cfs)	Cumulative Discharge (acre-ft)	Head Water Stage (ft NGVD)	Tail Water Stage (ft NGVD)
0.00	0.00	0.00	0.00	0.00	7.00	6.99
1.00	0.05	0.00	0.00	0.00	7.00	6.99
2.00	0.09	0.00	0.00	0.00	7.00	6.99
3.00	0.14	0.00	0.00	0.00	7.00	6.99
4.00	0.19	0.00	0.00	0.00	7.00	6.99
5.00	0.24	0.00	0.00	0.00	7.00	6.99
6.00	0.28	0.00	0.00	0.00	7.00	6.99
7.00	0.33	0.00	0.00	0.00	7.00	6.99
8.00	0.38	0.00	0.00	0.00	7.00	6.99
9.00	0.42	0.00	0.00	0.00	7.00	6.99
10.00	0.47	0.00	0.00	0.00	7.00	6.99
11.00	0.52	0.00	0.00	0.00	7.00	6.99
12.00	0.56	0.00	0.00	0.00	7.00	6.99
13.00	0.61	0.00	0.00	0.00	7.00	6.99
14.00	0.66	0.00	0.00	0.00	7.00	6.99
15.00	0.71	0.00	0.00	0.00	7.00	6.99
16.00	0.75	0.00	0.00	0.00	7.00	6.99

Time (hr)	Cumulative Rainfall (in)	Instant Runoff (cfs)	Current Discharge (cfs)	Cumulative Discharge (acre-ft)	Head Water Stage (ft NGVD)	Tail Water Stage (ft NGVD)
17.00	0.80	0.00	0.00	0.00	7.00	6.99
18.00	0.85	0.00	0.00	0.00	7.02	6.99
19.00	0.89	0.01	0.00	0.00	7.06	6.99
20.00	0.94	0.01	0.01	0.00	7.11	6.99
21.00	0.99	0.01	0.01	0.00	7.14	6.99
22.00	1.03	0.02	0.01	0.00	7.16	6.99
23.00	1.08	0.02	0.02	0.00	7.18	6.99
24.00	1.13	0.02	0.02	0.00	7.19	6.99
25.00	1.20	0.04	0.03	0.01	7.23	6.99
26.00	1.27	0.04	0.04	0.01	7.25	6.99
27.00	1.33	0.04	0.04	0.01	7.26	6.99
28.00	1.40	0.05	0.05	0.02	7.27	6.99
29.00	1.47	0.05	0.05	0.02	7.28	6.99
30.00	1.54	0.06	0.06	0.03	7.29	6.99
31.00	1.61	0.06	0.06	0.03	7.30	6.99
32.00	1.68	0.07	0.06	0.04	7.31	6.99
33.00	1.75	0.07	0.07	0.04	7.31	6.99
34.00	1.81	0.07	0.07	0.05	7.32	6.99
35.00	1.88	0.08	0.08	0.05	7.33	6.99
36.00	1.95	0.08	0.08	0.06	7.33	6.99
37.00	2.02	0.08	0.08	0.07	7.34	6.99
38.00	2.09	0.09	0.09	0.07	7.34	6.99
39.00	2.16	0.09	0.09	0.08	7.35	6.99
40.00	2.23	0.09	0.09	0.09	7.35	6.99
41.00	2.29	0.09	0.09	0.10	7.36	6.99
42.00	2.36	0.10	0.10	0.10	7.36	6.99
43.00	2.43	0.10	0.10	0.11	7.36	6.99
44.00	2.50	0.10	0.10	0.12	7.37	6.99
45.00	2.57	0.10	0.10	0.13	7.37	6.99
46.00	2.64	0.11	0.11	0.14	7.38	6.99
47.00	2.71	0.11	0.11	0.15	7.38	6.99
48.00	2.77	0.11	0.11	0.16	7.38	6.99
49.00	2.85	0.13	0.13	0.17	7.41	6.99
50.00	2.93	0.13	0.13	0.18	7.42	6.99
51.00	3.02	0.16	0.16	0.19	7.54	6.99
52.00	3.12	0.19	0.19	0.20	7.55	6.99
53.00	3.25	0.25	0.28	0.22	7.56	6.99
54.00	3.42	0.31	0.30	0.24	7.59	6.99
55.00	3.61	0.38	0.37	0.27	7.71	6.99
56.00	3.83	0.45	0.44	0.31	7.86	6.99
57.00	4.09	0.56	0.51	0.35	8.06	6.99
58.00	4.42	0.70	0.53	0.39	8.11	6.99
59.00	4.85	1.05	0.58	0.43	8.25	6.99
60.00	7.84	11.99	0.97	0.50	9.92	6.99
61.00	8.70	1.60	1.11	0.58	10.71	6.99
62.00	9.09	0.93	1.11	0.68	10.72	6.99
63.00	9.34	0.60	1.09	0.77	10.62	6.99
64.00	9.57	0.60	1.07	0.86	10.50	6.99
65.00	9.71	0.36	1.04	0.94	10.33	6.99
66.00	9.85	0.36	1.01	1.03	10.17	6.99
67.00	9.99	0.36	0.98	1.11	10.01	6.99
68.00	10.13	0.36	0.94	1.19	9.80	6.99
69.00	10.22	0.24	0.90	1.27	9.56	6.99
70.00	10.31	0.24	0.85	1.34	9.33	6.99
71.00	10.41	0.24	0.80	1.41	9.12	6.99
72.00	10.50	0.24	0.76	1.47	8.92	6.99
73.00	10.50	0.00	0.68	1.53	8.62	6.99
74.00	10.50	0.00	0.61	1.58	8.35	6.99
75.00	10.50	0.00	0.53	1.63	8.10	6.99
76.00	10.50	0.00	0.02	1.64	7.18	6.99
77.00	10.50	0.00	0.00	1.64	7.10	6.99
78.00	10.50	0.00	0.00	1.64	7.08	6.99
79.00	10.50	0.00	0.00	1.64	7.06	6.99
80.00	10.50	0.00	0.00	1.64	7.05	6.99
81.00	10.50	0.00	0.00	1.64	7.05	6.99
82.00	10.50	0.00	0.00	1.64	7.04	6.99
83.00	10.50	0.00	0.00	1.64	7.04	6.99
84.00	10.50	0.00	0.00	1.64	7.04	6.99
85.00	10.50	0.00	0.00	1.64	7.03	6.99

Time (hr)	Cumulative Rainfall (in)	Instant Runoff (cfs)	Current Discharge (cfs)	Cumulative Discharge (acre-ft)	Head Water Stage (ft NGVD)	Tail Water Stage (ft NGVD)
86.00	10.50	0.00	0.00	1.64	7.03	6.99
87.00	10.50	0.00	0.00	1.64	7.03	6.99
88.00	10.50	0.00	0.00	1.64	7.03	6.99
89.00	10.50	0.00	0.00	1.64	7.03	6.99
90.00	10.50	0.00	0.00	1.64	7.03	6.99
91.00	10.50	0.00	0.00	1.64	7.02	6.99
92.00	10.50	0.00	0.00	1.64	7.02	6.99
93.00	10.50	0.00	0.00	1.64	7.02	6.99
94.00	10.50	0.00	0.00	1.64	7.02	6.99
95.00	10.50	0.00	0.00	1.64	7.02	6.99
96.00	10.50	0.00	0.00	1.64	7.02	6.99
97.00	10.50	0.00	0.00	1.64	7.02	6.99
98.00	10.50	0.00	0.00	1.64	7.02	6.99
99.00	10.50	0.00	0.00	1.64	7.02	6.99
100.00	10.50	0.00	0.00	1.64	7.02	6.99
101.00	10.50	0.00	0.00	1.64	7.02	6.99
102.00	10.50	0.00	0.00	1.64	7.02	6.99
103.00	10.50	0.00	0.00	1.64	7.02	6.99
104.00	10.50	0.00	0.00	1.64	7.02	6.99
105.00	10.50	0.00	0.00	1.64	7.02	6.99
106.00	10.50	0.00	0.00	1.64	7.02	6.99
107.00	10.50	0.00	0.00	1.64	7.02	6.99
108.00	10.50	0.00	0.00	1.64	7.02	6.99
109.00	10.50	0.00	0.00	1.64	7.01	6.99
110.00	10.50	0.00	0.00	1.64	7.01	6.99
111.00	10.50	0.00	0.00	1.64	7.01	6.99
112.00	10.50	0.00	0.00	1.64	7.01	6.99
113.00	10.50	0.00	0.00	1.64	7.01	6.99
114.00	10.50	0.00	0.00	1.64	7.01	6.99
115.00	10.50	0.00	0.00	1.64	7.01	6.99
116.00	10.50	0.00	0.00	1.64	7.01	6.99
117.00	10.50	0.00	0.00	1.64	7.01	6.99
118.00	10.50	0.00	0.00	1.64	7.01	6.99
119.00	10.50	0.00	0.00	1.64	7.01	6.99
120.00	10.50	0.00	0.00	1.64	7.01	6.99
121.00	10.50	0.00	0.00	1.64	7.01	6.99
122.00	10.50	0.00	0.00	1.64	7.01	6.99
123.00	10.50	0.00	0.00	1.64	7.01	6.99
124.00	10.50	0.00	0.00	1.64	7.01	6.99
125.00	10.50	0.00	0.00	1.64	7.01	6.99
126.00	10.50	0.00	0.00	1.64	7.01	6.99
127.00	10.50	0.00	0.00	1.64	7.01	6.99
128.00	10.50	0.00	0.00	1.64	7.01	6.99
129.00	10.50	0.00	0.00	1.64	7.01	6.99
130.00	10.50	0.00	0.00	1.64	7.01	6.99
131.00	10.50	0.00	0.00	1.64	7.01	6.99
132.00	10.50	0.00	0.00	1.64	7.01	6.99
133.00	10.50	0.00	0.00	1.64	7.01	6.99
134.00	10.50	0.00	0.00	1.64	7.01	6.99
135.00	10.50	0.00	0.00	1.64	7.01	6.99
136.00	10.50	0.00	0.00	1.64	7.01	6.99
137.00	10.50	0.00	0.00	1.64	7.01	6.99
138.00	10.50	0.00	0.00	1.64	7.01	6.99
139.00	10.50	0.00	0.00	1.64	7.01	6.99
140.00	10.50	0.00	0.00	1.64	7.01	6.99
141.00	10.50	0.00	0.00	1.64	7.01	6.99
142.00	10.50	0.00	0.00	1.64	7.01	6.99
143.00	10.50	0.00	0.00	1.64	7.01	6.99
144.00	10.50	0.00	0.00	1.64	7.01	6.99
145.00	10.50	0.00	0.00	1.64	7.01	6.99
146.00	10.50	0.00	0.00	1.64	7.01	6.99
147.00	10.50	0.00	0.00	1.64	7.01	6.99
148.00	10.50	0.00	0.00	1.64	7.01	6.99
149.00	10.50	0.00	0.00	1.64	7.01	6.99
150.00	10.50	0.00	0.00	1.64	7.01	6.99
151.00	10.50	0.00	0.00	1.64	7.01	6.99
152.00	10.50	0.00	0.00	1.64	7.01	6.99
153.00	10.50	0.00	0.00	1.64	7.01	6.99
154.00	10.50	0.00	0.00	1.64	7.01	6.99

Time (hr)	Cumulative Rainfall (in)	Instant Runoff (cfs)	Current Discharge (cfs)	Cumulative Discharge (acre-ft)	Head Water Stage (ft NGVD)	Tail Water Stage (ft NGVD)
155.00	10.50	0.00	0.00	1.64	7.01	6.99
156.00	10.50	0.00	0.00	1.64	7.01	6.99
157.00	10.50	0.00	0.00	1.64	7.01	6.99
158.00	10.50	0.00	0.00	1.64	7.01	6.99
159.00	10.50	0.00	0.00	1.64	7.01	6.99
160.00	10.50	0.00	0.00	1.64	7.01	6.99
161.00	10.50	0.00	0.00	1.64	7.01	6.99
162.00	10.50	0.00	0.00	1.64	7.01	6.99
163.00	10.50	0.00	0.00	1.64	7.01	6.99
164.00	10.50	0.00	0.00	1.64	7.01	6.99
165.00	10.50	0.00	0.00	1.64	7.01	6.99
166.00	10.50	0.00	0.00	1.64	7.01	6.99
167.00	10.50	0.00	0.00	1.64	7.01	6.99
168.00	10.50	0.00	0.00	1.64	7.01	6.99
169.00	10.50	0.00	0.00	1.64	7.01	6.99
170.00	10.50	0.00	0.00	1.64	7.01	6.99
171.00	10.50	0.00	0.00	1.64	7.01	6.99
172.00	10.50	0.00	0.00	1.64	7.01	6.99
173.00	10.50	0.00	0.00	1.64	7.01	6.99
174.00	10.50	0.00	0.00	1.64	7.01	6.99
175.00	10.50	0.00	0.00	1.64	7.01	6.99
176.00	10.50	0.00	0.00	1.64	7.01	6.99
177.00	10.50	0.00	0.00	1.64	7.01	6.99
178.00	10.50	0.00	0.00	1.64	7.01	6.99
179.00	10.50	0.00	0.00	1.64	7.01	6.99
180.00	10.50	0.00	0.00	1.64	7.01	6.99
181.00	10.50	0.00	0.00	1.64	7.01	6.99
182.00	10.50	0.00	0.00	1.64	7.01	6.99
183.00	10.50	0.00	0.00	1.64	7.01	6.99
184.00	10.50	0.00	0.00	1.64	7.01	6.99
185.00	10.50	0.00	0.00	1.64	7.01	6.99
186.00	10.50	0.00	0.00	1.64	7.01	6.99
187.00	10.50	0.00	0.00	1.64	7.01	6.99
188.00	10.50	0.00	0.00	1.64	7.01	6.99
189.00	10.50	0.00	0.00	1.64	7.01	6.99
190.00	10.50	0.00	0.00	1.64	7.01	6.99
191.00	10.50	0.00	0.00	1.64	7.01	6.99
192.00	10.50	0.00	0.00	1.64	7.01	6.99
193.00	10.50	0.00	0.00	1.64	7.01	6.99
194.00	10.50	0.00	0.00	1.64	7.01	6.99
195.00	10.50	0.00	0.00	1.64	7.01	6.99
196.00	10.50	0.00	0.00	1.64	7.01	6.99
197.00	10.50	0.00	0.00	1.64	7.01	6.99
198.00	10.50	0.00	0.00	1.64	7.01	6.99
199.00	10.50	0.00	0.00	1.64	7.01	6.99
200.00	10.50	0.00	0.00	1.64	7.01	6.99
201.00	10.50	0.00	0.00	1.64	7.01	6.99
202.00	10.50	0.00	0.00	1.64	7.01	6.99
203.00	10.50	0.00	0.00	1.64	7.01	6.99
204.00	10.50	0.00	0.00	1.64	7.01	6.99
205.00	10.50	0.00	0.00	1.64	7.01	6.99
206.00	10.50	0.00	0.00	1.64	7.01	6.99
207.00	10.50	0.00	0.00	1.64	7.01	6.99
208.00	10.50	0.00	0.00	1.64	7.01	6.99
209.00	10.50	0.00	0.00	1.64	7.01	6.99
210.00	10.50	0.00	0.00	1.64	7.01	6.99
211.00	10.50	0.00	0.00	1.64	7.01	6.99
212.00	10.50	0.00	0.00	1.64	7.01	6.99
213.00	10.50	0.00	0.00	1.64	7.01	6.99
214.00	10.50	0.00	0.00	1.64	7.01	6.99
215.00	10.50	0.00	0.00	1.64	7.01	6.99
216.00	10.50	0.00	0.00	1.64	7.01	6.99
217.00	10.50	0.00	0.00	1.64	7.01	6.99
218.00	10.50	0.00	0.00	1.64	7.01	6.99
219.00	10.50	0.00	0.00	1.64	7.01	6.99
220.00	10.50	0.00	0.00	1.64	7.01	6.99
221.00	10.50	0.00	0.00	1.64	7.01	6.99
222.00	10.50	0.00	0.00	1.64	7.01	6.99
223.00	10.50	0.00	0.00	1.64	7.01	6.99

Time (hr)	Cumulative Rainfall (in)	Instant Runoff (cfs)	Current Discharge (cfs)	Cumulative Discharge (acre-ft)	Head Water Stage (ft NGVD)	Tail Water Stage (ft NGVD)
224.00	10.50	0.00	0.00	1.64	7.01	6.99
225.00	10.50	0.00	0.00	1.64	7.01	6.99
226.00	10.50	0.00	0.00	1.64	7.01	6.99
227.00	10.50	0.00	0.00	1.64	7.01	6.99
228.00	10.50	0.00	0.00	1.64	7.01	6.99
229.00	10.50	0.00	0.00	1.64	7.01	6.99
230.00	10.50	0.00	0.00	1.64	7.01	6.99
231.00	10.50	0.00	0.00	1.64	7.01	6.99
232.00	10.50	0.00	0.00	1.64	7.01	6.99
233.00	10.50	0.00	0.00	1.64	7.01	6.99
234.00	10.50	0.00	0.00	1.64	7.01	6.99
235.00	10.50	0.00	0.00	1.64	7.01	6.99
236.00	10.50	0.00	0.00	1.64	7.01	6.99
237.00	10.50	0.00	0.00	1.64	7.01	6.99
238.00	10.50	0.00	0.00	1.64	7.01	6.99
239.00	10.50	0.00	0.00	1.64	7.01	6.99
240.00	10.50	0.00	0.00	1.64	7.01	6.99
241.00	10.50	0.00	0.00	1.64	7.01	6.99
242.00	10.50	0.00	0.00	1.64	7.01	6.99
243.00	10.50	0.00	0.00	1.64	7.01	6.99
244.00	10.50	0.00	0.00	1.64	7.01	6.99
245.00	10.50	0.00	0.00	1.64	7.01	6.99
246.00	10.50	0.00	0.00	1.64	7.01	6.99
247.00	10.50	0.00	0.00	1.64	7.01	6.99
248.00	10.50	0.00	0.00	1.64	7.00	6.99
249.00	10.50	0.00	0.00	1.64	7.00	6.99
250.00	10.50	0.00	0.00	1.64	7.00	6.99
251.00	10.50	0.00	0.00	1.64	7.00	6.99
252.00	10.50	0.00	0.00	1.64	7.00	6.99
253.00	10.50	0.00	0.00	1.64	7.00	6.99
254.00	10.50	0.00	0.00	1.64	7.00	6.99
255.00	10.50	0.00	0.00	1.64	7.00	6.99
256.00	10.50	0.00	0.00	1.64	7.00	6.99
257.00	10.50	0.00	0.00	1.64	7.00	6.99
258.00	10.50	0.00	0.00	1.64	7.00	6.99
259.00	10.50	0.00	0.00	1.64	7.00	6.99
260.00	10.50	0.00	0.00	1.64	7.00	6.99
261.00	10.50	0.00	0.00	1.64	7.00	6.99
262.00	10.50	0.00	0.00	1.64	7.00	6.99
263.00	10.50	0.00	0.00	1.64	7.00	6.99
264.00	10.50	0.00	0.00	1.64	7.00	6.99
265.00	10.50	0.00	0.00	1.64	7.00	6.99
266.00	10.50	0.00	0.00	1.64	7.00	6.99
267.00	10.50	0.00	0.00	1.64	7.00	6.99
268.00	10.50	0.00	0.00	1.64	7.00	6.99
269.00	10.50	0.00	0.00	1.64	7.00	6.99
270.00	10.50	0.00	0.00	1.64	7.00	6.99
271.00	10.50	0.00	0.00	1.64	7.00	6.99
272.00	10.50	0.00	0.00	1.64	7.00	6.99
273.00	10.50	0.00	0.00	1.64	7.00	6.99
274.00	10.50	0.00	0.00	1.64	7.00	6.99
275.00	10.50	0.00	0.00	1.64	7.00	6.99
276.00	10.50	0.00	0.00	1.64	7.00	6.99
277.00	10.50	0.00	0.00	1.64	7.00	6.99
278.00	10.50	0.00	0.00	1.64	7.00	6.99
279.00	10.50	0.00	0.00	1.64	7.00	6.99
280.00	10.50	0.00	0.00	1.64	7.00	6.99
281.00	10.50	0.00	0.00	1.64	7.00	6.99
282.00	10.50	0.00	0.00	1.64	7.00	6.99
283.00	10.50	0.00	0.00	1.64	7.00	6.99
284.00	10.50	0.00	0.00	1.64	7.00	6.99
285.00	10.50	0.00	0.00	1.64	7.00	6.99
286.00	10.50	0.00	0.00	1.64	7.00	6.99
287.00	10.50	0.00	0.00	1.64	7.00	6.99
288.00	10.50	0.00	0.00	1.64	7.00	6.99
289.00	10.50	0.00	0.00	1.64	7.00	6.99
290.00	10.50	0.00	0.00	1.64	7.00	6.99
291.00	10.50	0.00	0.00	1.64	7.00	6.99
292.00	10.50	0.00	0.00	1.64	7.00	6.99

Time (hr)	Cumulative Rainfall (in)	Instant Runoff (cfs)	Current Discharge (cfs)	Cumulative Discharge (acre-ft)	Head Water Stage (ft NGVD)	Tail Water Stage (ft NGVD)
293.00	10.50	0.00	0.00	1.64	7.00	6.99
294.00	10.50	0.00	0.00	1.64	7.00	6.99
295.00	10.50	0.00	0.00	1.64	7.00	6.99
296.00	10.50	0.00	0.00	1.64	7.00	6.99
297.00	10.50	0.00	0.00	1.64	7.00	6.99
298.00	10.50	0.00	0.00	1.64	7.00	6.99
299.00	10.50	0.00	0.00	1.64	7.00	6.99
300.00	10.50	0.00	0.00	1.64	7.00	6.99
301.00	10.50	0.00	0.00	1.64	7.00	6.99
302.00	10.50	0.00	0.00	1.64	7.00	6.99
303.00	10.50	0.00	0.00	1.64	7.00	6.99
304.00	10.50	0.00	0.00	1.64	7.00	6.99
305.00	10.50	0.00	0.00	1.64	7.00	6.99
306.00	10.50	0.00	0.00	1.64	7.00	6.99
307.00	10.50	0.00	0.00	1.64	7.00	6.99
308.00	10.50	0.00	0.00	1.64	7.00	6.99
309.00	10.50	0.00	0.00	1.64	7.00	6.99
310.00	10.50	0.00	0.00	1.64	7.00	6.99
311.00	10.50	0.00	0.00	1.64	7.00	6.99
312.00	10.50	0.00	0.00	1.64	7.00	6.99
313.00	10.50	0.00	0.00	1.64	7.00	6.99
314.00	10.50	0.00	0.00	1.64	7.00	6.99
315.00	10.50	0.00	0.00	1.64	7.00	6.99
316.00	10.50	0.00	0.00	1.64	7.00	6.99
317.00	10.50	0.00	0.00	1.64	7.00	6.99
318.00	10.50	0.00	0.00	1.64	7.00	6.99
319.00	10.50	0.00	0.00	1.64	7.00	6.99
320.00	10.50	0.00	0.00	1.64	7.00	6.99
321.00	10.50	0.00	0.00	1.64	7.00	6.99
322.00	10.50	0.00	0.00	1.64	7.00	6.99
323.00	10.50	0.00	0.00	1.64	7.00	6.99
324.00	10.50	0.00	0.00	1.64	7.00	6.99
325.00	10.50	0.00	0.00	1.64	7.00	6.99
326.00	10.50	0.00	0.00	1.64	7.00	6.99
327.00	10.50	0.00	0.00	1.64	7.00	6.99
328.00	10.50	0.00	0.00	1.64	7.00	6.99
329.00	10.50	0.00	0.00	1.64	7.00	6.99
330.00	10.50	0.00	0.00	1.64	7.00	6.99
331.00	10.50	0.00	0.00	1.64	7.00	6.99
332.00	10.50	0.00	0.00	1.64	7.00	6.99
333.00	10.50	0.00	0.00	1.64	7.00	6.99
334.00	10.50	0.00	0.00	1.64	7.00	6.99
335.00	10.50	0.00	0.00	1.64	7.00	6.99
336.00	10.50	0.00	0.00	1.64	7.00	6.99

STRUCTURE MAXIMUM AND MINIMUM DISCHARGES

Struc	Max (cfs)	Time (hr)	Min (cfs)	Time (hr)
1	1.11	61.40	0.00	0.00

BASIN MAXIMUM AND MINIMUM STAGES

Basin	Max (ft)	Time (hr)	Min (ft)	Time (hr)
Onsite	10.73	61.40	7.00	0.00

BASIN WATER BUDGETS (all units in acre-ft)

Basin	Total Runoff	Structure Inflow	Structure Outflow	Initial Storage	Final Storage	Residual
Onsite	1.64	0.00	1.64	0.00	0.00	0.00

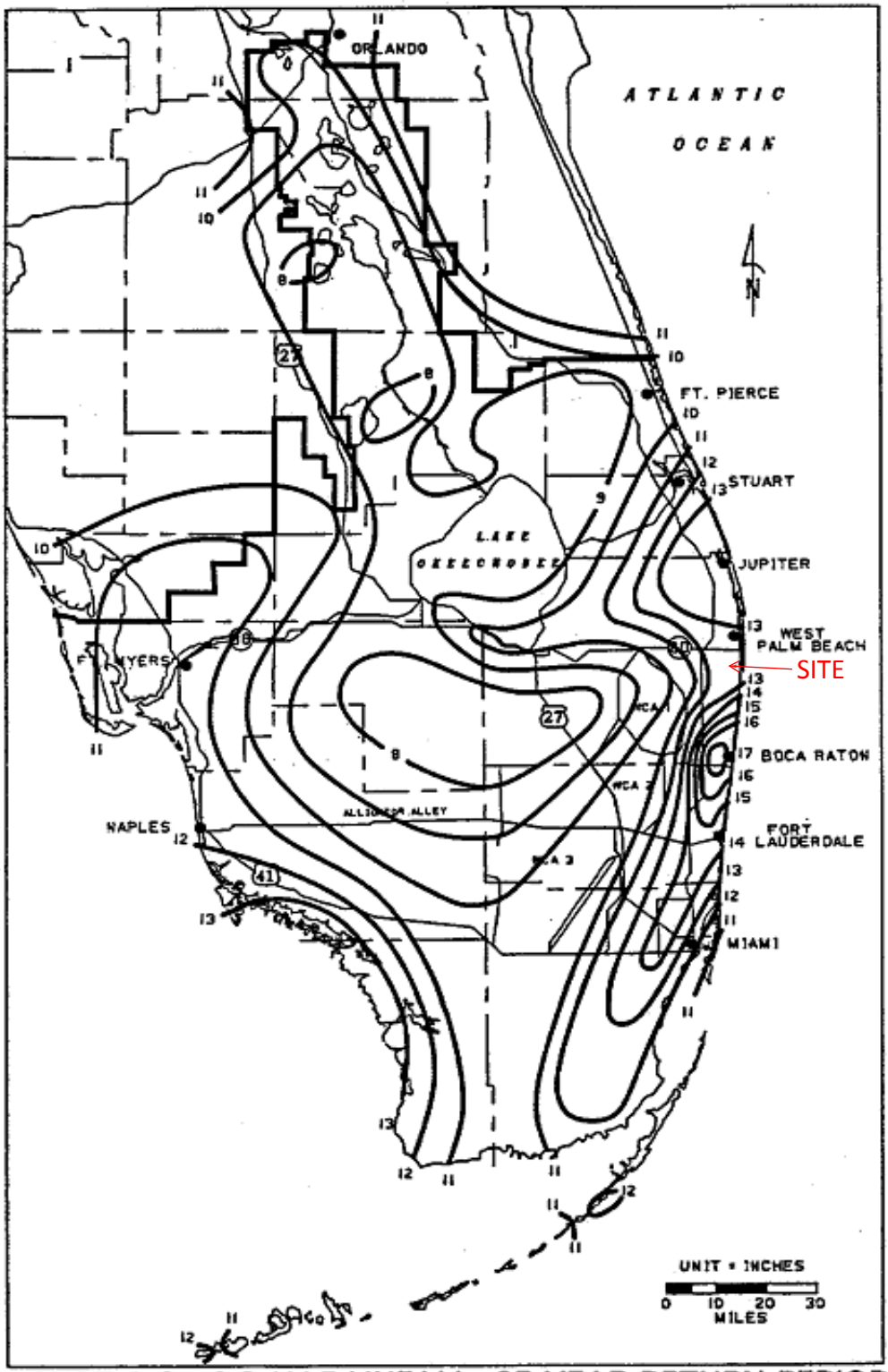


FIGURE C-8. 3-DAY RAINFALL: 25-YEAR RETURN PERIOD

Project Name: Prairie Rd. Subdivision
Reviewer: SMG
Project Number: 19-081
  Period Begin: Feb 03, 2021;0000 hr End: Feb 17, 2021;0000 hr Duration: 336 hr
  Time Step: 0.2 hr, Iterations: 10

Basin 1: Onsite

  Method: Santa Barbara Unit Hydrograph
  Rainfall Distribution: SFWMD - 3day
  Design Frequency: 25 year
  3 Day Rainfall: 12.6 inches
  Area: 2.84 acres
  Ground Storage: 3.9 inches
  Time of Concentration: 0.17 hours
  Initial Stage: 7 ft NGVD

Stage (ft NGVD)	Storage (acre-ft)
7.00	0.00
8.06	0.01
9.00	0.19
10.00	0.42
11.00	0.75
12.00	1.96
13.00	3.98
14.00	6.31

Offsite Receiving Body: Offsite

Time (hr)	Stage (ft NGVD)
0.00	6.99
336.00	6.99

Structure: 1

  From Basin: Onsite
  To Basin: Offsite
  Structure Type: Gravity
    Weir: Sharp Crested, Crest Elev = 11.12 ft NGVD, Length = 10.17 ft
    Bleeder: Inv-Tri, Invert Elev = 7 ft NGVD, Height = 0.5 ft
      Width = 0.5 ft
      Default Coefs: Weir Coef = 2.5, Orifice Coef = 0.6
    Pipe: Diameter = 1.5 ft, Manning's n = 0.012, Length = 50 ft
      US Invert Elev = 7 ft NGVD, DS Invert Elev = 7 ft NGVD, no flap gate

Time (hr)	Cumulative Rainfall (in)	Instant Runoff (cfs)	Current Discharge (cfs)	Cumulative Discharge (acre-ft)	Head Water Stage (ft NGVD)	Tail Water Stage (ft NGVD)
0.00	0.00	0.00	0.00	0.00	7.00	6.99
1.00	0.06	0.00	0.00	0.00	7.00	6.99
2.00	0.11	0.00	0.00	0.00	7.00	6.99
3.00	0.17	0.00	0.00	0.00	7.00	6.99
4.00	0.23	0.00	0.00	0.00	7.00	6.99
5.00	0.28	0.00	0.00	0.00	7.00	6.99
6.00	0.34	0.00	0.00	0.00	7.00	6.99
7.00	0.39	0.00	0.00	0.00	7.00	6.99
8.00	0.45	0.00	0.00	0.00	7.00	6.99
9.00	0.51	0.00	0.00	0.00	7.00	6.99
10.00	0.56	0.00	0.00	0.00	7.00	6.99
11.00	0.62	0.00	0.00	0.00	7.00	6.99
12.00	0.68	0.00	0.00	0.00	7.00	6.99
13.00	0.73	0.00	0.00	0.00	7.00	6.99
14.00	0.79	0.00	0.00	0.00	7.00	6.99
15.00	0.85	0.00	0.00	0.00	7.02	6.99
16.00	0.90	0.01	0.00	0.00	7.07	6.99

Time (hr)	Cumulative Rainfall (in)	Instant Runoff (cfs)	Current Discharge (cfs)	Cumulative Discharge (acre-ft)	Head Water Stage (ft NGVD)	Tail Water Stage (ft NGVD)
17.00	0.96	0.01	0.01	0.00	7.13	6.99
18.00	1.02	0.02	0.01	0.00	7.17	6.99
19.00	1.07	0.02	0.02	0.00	7.19	6.99
20.00	1.13	0.02	0.02	0.00	7.20	6.99
21.00	1.18	0.03	0.03	0.01	7.22	6.99
22.00	1.24	0.03	0.03	0.01	7.23	6.99
23.00	1.30	0.03	0.03	0.01	7.24	6.99
24.00	1.35	0.04	0.04	0.01	7.25	6.99
25.00	1.44	0.06	0.06	0.02	7.30	6.99
26.00	1.52	0.07	0.07	0.02	7.31	6.99
27.00	1.60	0.07	0.07	0.03	7.32	6.99
28.00	1.68	0.08	0.08	0.04	7.33	6.99
29.00	1.77	0.08	0.08	0.04	7.34	6.99
30.00	1.85	0.09	0.09	0.05	7.35	6.99
31.00	1.93	0.09	0.09	0.06	7.36	6.99
32.00	2.01	0.10	0.10	0.07	7.36	6.99
33.00	2.09	0.10	0.10	0.07	7.37	6.99
34.00	2.18	0.11	0.11	0.08	7.38	6.99
35.00	2.26	0.11	0.11	0.09	7.38	6.99
36.00	2.34	0.11	0.11	0.10	7.39	6.99
37.00	2.42	0.12	0.12	0.11	7.40	6.99
38.00	2.51	0.12	0.12	0.12	7.40	6.99
39.00	2.59	0.12	0.12	0.13	7.41	6.99
40.00	2.67	0.13	0.13	0.14	7.42	6.99
41.00	2.75	0.13	0.13	0.15	7.43	6.99
42.00	2.83	0.13	0.13	0.16	7.44	6.99
43.00	2.92	0.14	0.14	0.17	7.44	6.99
44.00	3.00	0.14	0.13	0.19	7.46	6.99
45.00	3.08	0.14	0.14	0.20	7.53	6.99
46.00	3.16	0.14	0.14	0.21	7.53	6.99
47.00	3.25	0.15	0.15	0.22	7.53	6.99
48.00	3.33	0.15	0.15	0.23	7.53	6.99
49.00	3.42	0.17	0.17	0.25	7.55	6.99
50.00	3.51	0.17	0.17	0.26	7.55	6.99
51.00	3.63	0.21	0.21	0.28	7.56	6.99
52.00	3.75	0.25	0.28	0.30	7.56	6.99
53.00	3.90	0.33	0.32	0.32	7.62	6.99
54.00	4.10	0.41	0.40	0.35	7.77	6.99
55.00	4.33	0.50	0.48	0.39	7.96	6.99
56.00	4.60	0.59	0.52	0.43	8.07	6.99
57.00	4.91	0.72	0.54	0.47	8.13	6.99
58.00	5.30	0.91	0.58	0.52	8.25	6.99
59.00	5.82	1.35	0.64	0.57	8.46	6.99
60.00	9.41	14.97	1.05	0.64	10.38	6.99
61.00	10.44	1.98	1.17	0.73	11.10	6.99
62.00	10.91	1.14	1.17	0.83	11.12	6.99
63.00	11.21	0.74	1.17	0.93	11.10	6.99
64.00	11.49	0.74	1.16	1.02	11.07	6.99
65.00	11.65	0.45	1.16	1.12	11.02	6.99
66.00	11.82	0.45	1.14	1.21	10.91	6.99
67.00	11.99	0.45	1.11	1.31	10.74	6.99
68.00	12.15	0.45	1.08	1.40	10.58	6.99
69.00	12.27	0.30	1.05	1.48	10.39	6.99
70.00	12.38	0.30	1.02	1.57	10.21	6.99
71.00	12.49	0.30	0.99	1.65	10.03	6.99
72.00	12.60	0.30	0.95	1.73	9.80	6.99
73.00	12.60	0.00	0.88	1.81	9.49	6.99
74.00	12.60	0.00	0.82	1.88	9.19	6.99
75.00	12.60	0.00	0.75	1.94	8.88	6.99
76.00	12.60	0.00	0.67	2.00	8.58	6.99
77.00	12.60	0.00	0.59	2.05	8.31	6.99
78.00	12.60	0.00	0.51	2.10	8.07	6.99
79.00	12.60	0.00	0.01	2.10	7.16	6.99
80.00	12.60	0.00	0.00	2.10	7.10	6.99
81.00	12.60	0.00	0.00	2.10	7.07	6.99
82.00	12.60	0.00	0.00	2.10	7.06	6.99
83.00	12.60	0.00	0.00	2.10	7.05	6.99
84.00	12.60	0.00	0.00	2.10	7.05	6.99
85.00	12.60	0.00	0.00	2.10	7.04	6.99

Time (hr)	Cumulative Rainfall (in)	Instant Runoff (cfs)	Current Discharge (cfs)	Cumulative Discharge (acre-ft)	Head Water Stage (ft NGVD)	Tail Water Stage (ft NGVD)
86.00	12.60	0.00	0.00	2.10	7.04	6.99
87.00	12.60	0.00	0.00	2.10	7.04	6.99
88.00	12.60	0.00	0.00	2.10	7.03	6.99
89.00	12.60	0.00	0.00	2.10	7.03	6.99
90.00	12.60	0.00	0.00	2.10	7.03	6.99
91.00	12.60	0.00	0.00	2.10	7.03	6.99
92.00	12.60	0.00	0.00	2.10	7.03	6.99
93.00	12.60	0.00	0.00	2.10	7.03	6.99
94.00	12.60	0.00	0.00	2.10	7.02	6.99
95.00	12.60	0.00	0.00	2.10	7.02	6.99
96.00	12.60	0.00	0.00	2.10	7.02	6.99
97.00	12.60	0.00	0.00	2.10	7.02	6.99
98.00	12.60	0.00	0.00	2.10	7.02	6.99
99.00	12.60	0.00	0.00	2.10	7.02	6.99
100.00	12.60	0.00	0.00	2.10	7.02	6.99
101.00	12.60	0.00	0.00	2.10	7.02	6.99
102.00	12.60	0.00	0.00	2.10	7.02	6.99
103.00	12.60	0.00	0.00	2.10	7.02	6.99
104.00	12.60	0.00	0.00	2.10	7.02	6.99
105.00	12.60	0.00	0.00	2.10	7.02	6.99
106.00	12.60	0.00	0.00	2.10	7.02	6.99
107.00	12.60	0.00	0.00	2.10	7.02	6.99
108.00	12.60	0.00	0.00	2.10	7.02	6.99
109.00	12.60	0.00	0.00	2.10	7.02	6.99
110.00	12.60	0.00	0.00	2.10	7.02	6.99
111.00	12.60	0.00	0.00	2.10	7.02	6.99
112.00	12.60	0.00	0.00	2.10	7.01	6.99
113.00	12.60	0.00	0.00	2.10	7.01	6.99
114.00	12.60	0.00	0.00	2.10	7.01	6.99
115.00	12.60	0.00	0.00	2.10	7.01	6.99
116.00	12.60	0.00	0.00	2.10	7.01	6.99
117.00	12.60	0.00	0.00	2.10	7.01	6.99
118.00	12.60	0.00	0.00	2.10	7.01	6.99
119.00	12.60	0.00	0.00	2.10	7.01	6.99
120.00	12.60	0.00	0.00	2.10	7.01	6.99
121.00	12.60	0.00	0.00	2.10	7.01	6.99
122.00	12.60	0.00	0.00	2.10	7.01	6.99
123.00	12.60	0.00	0.00	2.10	7.01	6.99
124.00	12.60	0.00	0.00	2.10	7.01	6.99
125.00	12.60	0.00	0.00	2.10	7.01	6.99
126.00	12.60	0.00	0.00	2.10	7.01	6.99
127.00	12.60	0.00	0.00	2.10	7.01	6.99
128.00	12.60	0.00	0.00	2.10	7.01	6.99
129.00	12.60	0.00	0.00	2.10	7.01	6.99
130.00	12.60	0.00	0.00	2.10	7.01	6.99
131.00	12.60	0.00	0.00	2.10	7.01	6.99
132.00	12.60	0.00	0.00	2.10	7.01	6.99
133.00	12.60	0.00	0.00	2.10	7.01	6.99
134.00	12.60	0.00	0.00	2.10	7.01	6.99
135.00	12.60	0.00	0.00	2.10	7.01	6.99
136.00	12.60	0.00	0.00	2.10	7.01	6.99
137.00	12.60	0.00	0.00	2.10	7.01	6.99
138.00	12.60	0.00	0.00	2.10	7.01	6.99
139.00	12.60	0.00	0.00	2.10	7.01	6.99
140.00	12.60	0.00	0.00	2.10	7.01	6.99
141.00	12.60	0.00	0.00	2.10	7.01	6.99
142.00	12.60	0.00	0.00	2.10	7.01	6.99
143.00	12.60	0.00	0.00	2.10	7.01	6.99
144.00	12.60	0.00	0.00	2.10	7.01	6.99
145.00	12.60	0.00	0.00	2.10	7.01	6.99
146.00	12.60	0.00	0.00	2.10	7.01	6.99
147.00	12.60	0.00	0.00	2.10	7.01	6.99
148.00	12.60	0.00	0.00	2.10	7.01	6.99
149.00	12.60	0.00	0.00	2.10	7.01	6.99
150.00	12.60	0.00	0.00	2.10	7.01	6.99
151.00	12.60	0.00	0.00	2.10	7.01	6.99
152.00	12.60	0.00	0.00	2.10	7.01	6.99
153.00	12.60	0.00	0.00	2.10	7.01	6.99
154.00	12.60	0.00	0.00	2.10	7.01	6.99

Time (hr)	Cumulative Rainfall (in)	Instant Runoff (cfs)	Current Discharge (cfs)	Cumulative Discharge (acre-ft)	Head Water Stage (ft NGVD)	Tail Water Stage (ft NGVD)
155.00	12.60	0.00	0.00	2.10	7.01	6.99
156.00	12.60	0.00	0.00	2.10	7.01	6.99
157.00	12.60	0.00	0.00	2.10	7.01	6.99
158.00	12.60	0.00	0.00	2.10	7.01	6.99
159.00	12.60	0.00	0.00	2.10	7.01	6.99
160.00	12.60	0.00	0.00	2.10	7.01	6.99
161.00	12.60	0.00	0.00	2.10	7.01	6.99
162.00	12.60	0.00	0.00	2.10	7.01	6.99
163.00	12.60	0.00	0.00	2.10	7.01	6.99
164.00	12.60	0.00	0.00	2.10	7.01	6.99
165.00	12.60	0.00	0.00	2.10	7.01	6.99
166.00	12.60	0.00	0.00	2.10	7.01	6.99
167.00	12.60	0.00	0.00	2.10	7.01	6.99
168.00	12.60	0.00	0.00	2.10	7.01	6.99
169.00	12.60	0.00	0.00	2.10	7.01	6.99
170.00	12.60	0.00	0.00	2.10	7.01	6.99
171.00	12.60	0.00	0.00	2.10	7.01	6.99
172.00	12.60	0.00	0.00	2.10	7.01	6.99
173.00	12.60	0.00	0.00	2.10	7.01	6.99
174.00	12.60	0.00	0.00	2.10	7.01	6.99
175.00	12.60	0.00	0.00	2.10	7.01	6.99
176.00	12.60	0.00	0.00	2.10	7.01	6.99
177.00	12.60	0.00	0.00	2.10	7.01	6.99
178.00	12.60	0.00	0.00	2.10	7.01	6.99
179.00	12.60	0.00	0.00	2.10	7.01	6.99
180.00	12.60	0.00	0.00	2.10	7.01	6.99
181.00	12.60	0.00	0.00	2.10	7.01	6.99
182.00	12.60	0.00	0.00	2.10	7.01	6.99
183.00	12.60	0.00	0.00	2.10	7.01	6.99
184.00	12.60	0.00	0.00	2.10	7.01	6.99
185.00	12.60	0.00	0.00	2.10	7.01	6.99
186.00	12.60	0.00	0.00	2.10	7.01	6.99
187.00	12.60	0.00	0.00	2.10	7.01	6.99
188.00	12.60	0.00	0.00	2.10	7.01	6.99
189.00	12.60	0.00	0.00	2.10	7.01	6.99
190.00	12.60	0.00	0.00	2.10	7.01	6.99
191.00	12.60	0.00	0.00	2.10	7.01	6.99
192.00	12.60	0.00	0.00	2.10	7.01	6.99
193.00	12.60	0.00	0.00	2.10	7.01	6.99
194.00	12.60	0.00	0.00	2.10	7.01	6.99
195.00	12.60	0.00	0.00	2.10	7.01	6.99
196.00	12.60	0.00	0.00	2.10	7.01	6.99
197.00	12.60	0.00	0.00	2.10	7.01	6.99
198.00	12.60	0.00	0.00	2.10	7.01	6.99
199.00	12.60	0.00	0.00	2.10	7.01	6.99
200.00	12.60	0.00	0.00	2.10	7.01	6.99
201.00	12.60	0.00	0.00	2.10	7.01	6.99
202.00	12.60	0.00	0.00	2.10	7.01	6.99
203.00	12.60	0.00	0.00	2.10	7.01	6.99
204.00	12.60	0.00	0.00	2.10	7.01	6.99
205.00	12.60	0.00	0.00	2.10	7.01	6.99
206.00	12.60	0.00	0.00	2.10	7.01	6.99
207.00	12.60	0.00	0.00	2.10	7.01	6.99
208.00	12.60	0.00	0.00	2.10	7.01	6.99
209.00	12.60	0.00	0.00	2.10	7.01	6.99
210.00	12.60	0.00	0.00	2.10	7.01	6.99
211.00	12.60	0.00	0.00	2.10	7.01	6.99
212.00	12.60	0.00	0.00	2.10	7.01	6.99
213.00	12.60	0.00	0.00	2.10	7.01	6.99
214.00	12.60	0.00	0.00	2.10	7.01	6.99
215.00	12.60	0.00	0.00	2.10	7.01	6.99
216.00	12.60	0.00	0.00	2.10	7.01	6.99
217.00	12.60	0.00	0.00	2.10	7.01	6.99
218.00	12.60	0.00	0.00	2.10	7.01	6.99
219.00	12.60	0.00	0.00	2.10	7.01	6.99
220.00	12.60	0.00	0.00	2.10	7.01	6.99
221.00	12.60	0.00	0.00	2.10	7.01	6.99
222.00	12.60	0.00	0.00	2.10	7.01	6.99
223.00	12.60	0.00	0.00	2.10	7.01	6.99

Time (hr)	Cumulative Rainfall (in)	Instant Runoff (cfs)	Current Discharge (cfs)	Cumulative Discharge (acre-ft)	Head Water Stage (ft NGVD)	Tail Water Stage (ft NGVD)
224.00	12.60	0.00	0.00	2.10	7.01	6.99
225.00	12.60	0.00	0.00	2.10	7.01	6.99
226.00	12.60	0.00	0.00	2.10	7.01	6.99
227.00	12.60	0.00	0.00	2.10	7.01	6.99
228.00	12.60	0.00	0.00	2.10	7.01	6.99
229.00	12.60	0.00	0.00	2.10	7.01	6.99
230.00	12.60	0.00	0.00	2.10	7.01	6.99
231.00	12.60	0.00	0.00	2.10	7.01	6.99
232.00	12.60	0.00	0.00	2.10	7.01	6.99
233.00	12.60	0.00	0.00	2.10	7.01	6.99
234.00	12.60	0.00	0.00	2.10	7.01	6.99
235.00	12.60	0.00	0.00	2.10	7.01	6.99
236.00	12.60	0.00	0.00	2.10	7.01	6.99
237.00	12.60	0.00	0.00	2.10	7.01	6.99
238.00	12.60	0.00	0.00	2.10	7.01	6.99
239.00	12.60	0.00	0.00	2.10	7.01	6.99
240.00	12.60	0.00	0.00	2.10	7.01	6.99
241.00	12.60	0.00	0.00	2.10	7.01	6.99
242.00	12.60	0.00	0.00	2.10	7.01	6.99
243.00	12.60	0.00	0.00	2.10	7.01	6.99
244.00	12.60	0.00	0.00	2.10	7.01	6.99
245.00	12.60	0.00	0.00	2.10	7.01	6.99
246.00	12.60	0.00	0.00	2.10	7.01	6.99
247.00	12.60	0.00	0.00	2.10	7.01	6.99
248.00	12.60	0.00	0.00	2.10	7.01	6.99
249.00	12.60	0.00	0.00	2.10	7.01	6.99
250.00	12.60	0.00	0.00	2.10	7.01	6.99
251.00	12.60	0.00	0.00	2.10	7.00	6.99
252.00	12.60	0.00	0.00	2.10	7.00	6.99
253.00	12.60	0.00	0.00	2.10	7.00	6.99
254.00	12.60	0.00	0.00	2.10	7.00	6.99
255.00	12.60	0.00	0.00	2.10	7.00	6.99
256.00	12.60	0.00	0.00	2.10	7.00	6.99
257.00	12.60	0.00	0.00	2.10	7.00	6.99
258.00	12.60	0.00	0.00	2.10	7.00	6.99
259.00	12.60	0.00	0.00	2.10	7.00	6.99
260.00	12.60	0.00	0.00	2.10	7.00	6.99
261.00	12.60	0.00	0.00	2.10	7.00	6.99
262.00	12.60	0.00	0.00	2.10	7.00	6.99
263.00	12.60	0.00	0.00	2.10	7.00	6.99
264.00	12.60	0.00	0.00	2.10	7.00	6.99
265.00	12.60	0.00	0.00	2.10	7.00	6.99
266.00	12.60	0.00	0.00	2.10	7.00	6.99
267.00	12.60	0.00	0.00	2.10	7.00	6.99
268.00	12.60	0.00	0.00	2.10	7.00	6.99
269.00	12.60	0.00	0.00	2.10	7.00	6.99
270.00	12.60	0.00	0.00	2.10	7.00	6.99
271.00	12.60	0.00	0.00	2.10	7.00	6.99
272.00	12.60	0.00	0.00	2.10	7.00	6.99
273.00	12.60	0.00	0.00	2.10	7.00	6.99
274.00	12.60	0.00	0.00	2.10	7.00	6.99
275.00	12.60	0.00	0.00	2.10	7.00	6.99
276.00	12.60	0.00	0.00	2.10	7.00	6.99
277.00	12.60	0.00	0.00	2.10	7.00	6.99
278.00	12.60	0.00	0.00	2.10	7.00	6.99
279.00	12.60	0.00	0.00	2.10	7.00	6.99
280.00	12.60	0.00	0.00	2.10	7.00	6.99
281.00	12.60	0.00	0.00	2.10	7.00	6.99
282.00	12.60	0.00	0.00	2.10	7.00	6.99
283.00	12.60	0.00	0.00	2.10	7.00	6.99
284.00	12.60	0.00	0.00	2.10	7.00	6.99
285.00	12.60	0.00	0.00	2.10	7.00	6.99
286.00	12.60	0.00	0.00	2.10	7.00	6.99
287.00	12.60	0.00	0.00	2.10	7.00	6.99
288.00	12.60	0.00	0.00	2.10	7.00	6.99
289.00	12.60	0.00	0.00	2.10	7.00	6.99
290.00	12.60	0.00	0.00	2.10	7.00	6.99
291.00	12.60	0.00	0.00	2.10	7.00	6.99
292.00	12.60	0.00	0.00	2.10	7.00	6.99

Time (hr)	Cumulative Rainfall (in)	Instant Runoff (cfs)	Current Discharge (cfs)	Cumulative Discharge (acre-ft)	Head Water Stage (ft NGVD)	Tail Water Stage (ft NGVD)
293.00	12.60	0.00	0.00	2.10	7.00	6.99
294.00	12.60	0.00	0.00	2.10	7.00	6.99
295.00	12.60	0.00	0.00	2.10	7.00	6.99
296.00	12.60	0.00	0.00	2.10	7.00	6.99
297.00	12.60	0.00	0.00	2.10	7.00	6.99
298.00	12.60	0.00	0.00	2.10	7.00	6.99
299.00	12.60	0.00	0.00	2.10	7.00	6.99
300.00	12.60	0.00	0.00	2.10	7.00	6.99
301.00	12.60	0.00	0.00	2.10	7.00	6.99
302.00	12.60	0.00	0.00	2.10	7.00	6.99
303.00	12.60	0.00	0.00	2.10	7.00	6.99
304.00	12.60	0.00	0.00	2.10	7.00	6.99
305.00	12.60	0.00	0.00	2.10	7.00	6.99
306.00	12.60	0.00	0.00	2.10	7.00	6.99
307.00	12.60	0.00	0.00	2.10	7.00	6.99
308.00	12.60	0.00	0.00	2.10	7.00	6.99
309.00	12.60	0.00	0.00	2.10	7.00	6.99
310.00	12.60	0.00	0.00	2.10	7.00	6.99
311.00	12.60	0.00	0.00	2.10	7.00	6.99
312.00	12.60	0.00	0.00	2.10	7.00	6.99
313.00	12.60	0.00	0.00	2.10	7.00	6.99
314.00	12.60	0.00	0.00	2.10	7.00	6.99
315.00	12.60	0.00	0.00	2.10	7.00	6.99
316.00	12.60	0.00	0.00	2.10	7.00	6.99
317.00	12.60	0.00	0.00	2.10	7.00	6.99
318.00	12.60	0.00	0.00	2.10	7.00	6.99
319.00	12.60	0.00	0.00	2.10	7.00	6.99
320.00	12.60	0.00	0.00	2.10	7.00	6.99
321.00	12.60	0.00	0.00	2.10	7.00	6.99
322.00	12.60	0.00	0.00	2.10	7.00	6.99
323.00	12.60	0.00	0.00	2.10	7.00	6.99
324.00	12.60	0.00	0.00	2.10	7.00	6.99
325.00	12.60	0.00	0.00	2.10	7.00	6.99
326.00	12.60	0.00	0.00	2.10	7.00	6.99
327.00	12.60	0.00	0.00	2.10	7.00	6.99
328.00	12.60	0.00	0.00	2.10	7.00	6.99
329.00	12.60	0.00	0.00	2.10	7.00	6.99
330.00	12.60	0.00	0.00	2.10	7.00	6.99
331.00	12.60	0.00	0.00	2.10	7.00	6.99
332.00	12.60	0.00	0.00	2.10	7.00	6.99
333.00	12.60	0.00	0.00	2.10	7.00	6.99
334.00	12.60	0.00	0.00	2.10	7.00	6.99
335.00	12.60	0.00	0.00	2.10	7.00	6.99
336.00	12.60	0.00	0.00	2.10	7.00	6.99

STRUCTURE MAXIMUM AND MINIMUM DISCHARGES

Struc	Max (cfs)	Time (hr)	Min (cfs)	Time (hr)
1	1.17	61.80	0.00	0.00

BASIN MAXIMUM AND MINIMUM STAGES

Basin	Max (ft)	Time (hr)	Min (ft)	Time (hr)
Onsite	11.12	61.80	7.00	0.00

BASIN WATER BUDGETS (all units in acre-ft)

Basin	Total Runoff	Structure Inflow	Structure Outflow	Initial Storage	Final Storage	Residual
Onsite	2.10	0.00	2.10	0.00	0.00	0.00

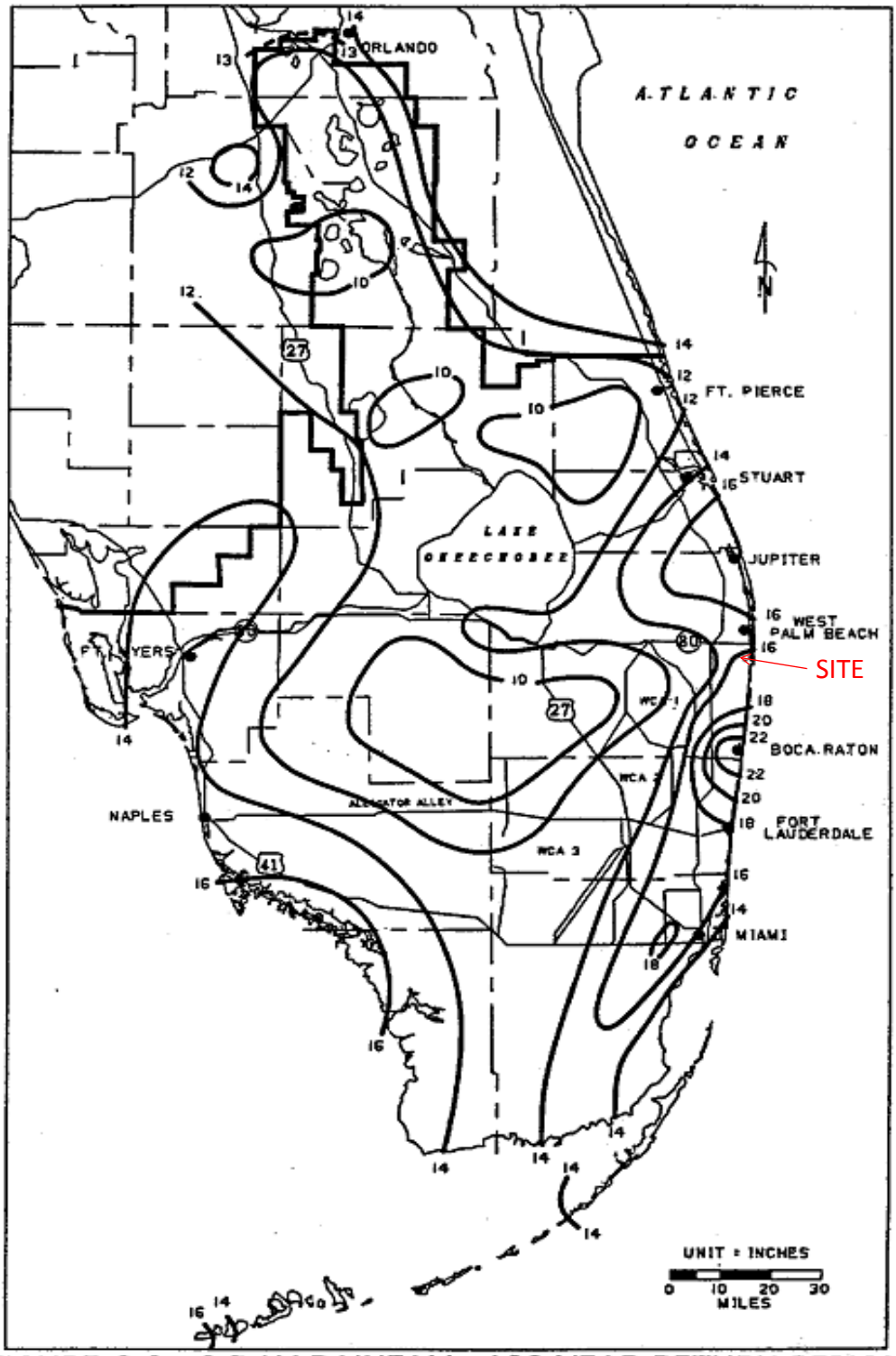


FIGURE C-9. 3-DAY RAINFALL: 100-YEAR RETURN PERIOD

Project Name: Prairie Rd. Subdivision
Reviewer: SMG
Project Number: 19-081
  Period Begin: Feb 03, 2021;0000 hr End: Feb 17, 2021;0000 hr Duration: 336 hr
  Time Step: 0.2 hr, Iterations: 10

Basin 1: Onsite

  Method: Santa Barbara Unit Hydrograph
  Rainfall Distribution: SFWMD - 3day
  Design Frequency: 100 year
  3 Day Rainfall: 16 inches
  Area: 2.84 acres
  Ground Storage: 3.9 inches
  Time of Concentration: 0.17 hours
  Initial Stage: 7 ft NGVD

Stage (ft NGVD)	Storage (acre-ft)
7.00	0.00
8.06	0.01
9.00	0.19
10.00	0.42
11.00	0.75
12.00	1.96
13.00	3.98
14.00	6.31

STRUCTURE MAXIMUM AND MINIMUM DISCHARGES

Struc	Max (cfs)	Time (hr)	Min (cfs)	Time (hr)

BASIN MAXIMUM AND MINIMUM STAGES

Basin	Max (ft)	Time (hr)	Min (ft)	Time (hr)
Onsite	12.45	73.60	7.00	0.00

BASIN WATER BUDGETS (all units in acre-ft)

Basin	Total Runoff	Structure Inflow	Structure Outflow	Initial Storage	Final Storage	Residual
Onsite	2.87	0.00	0.00	0.00	2.87	0.00

FLOOD PLAIN STORAGE COMPENSATION CALCULATIONS

Last Devenport, Inc.
PROFESSIONAL CONSULTING SERVICES

Project Name: **Prairie Rd. Subdivision**

FLOOD PLAIN STORAGE COMPENSATION CALCULATIONS

Date: 2/3/2021
Project Number: 19-081
Sec/Twp/Rge: S8/T44S/R43E

I. Site Predevelopment

A. Predevelopment Area Acreage:

1. Total	2.84
2. Impervious	
a. Buildings (roof)	0.00
b. Pavement	0.38
3. Lakes	0.00
4. Pervious	2.47

B. Site Design Criteria

1. Basin SFWMD C-51 Basin Sub-Basin 32
2. 100 Year - 3 Day Flood Plain Elevation = 11.39 NAVD
3. Control Elevation = 6.99 NAVD

C. Predevelopment Soil Storage

1. The control elevation is 6.99 NAVD, and it is assumed that the wet season water table will be the same for the project. Consequently an average water table elevation of 6.99 NAVD will be assumed for purposes of design.
2. The average site finished grades will vary from the lowest elevation of 10.20 to 13.90 NAVD therefore the average site grade elevation will be 12.05 NAVD.
3. The average depth to water table will be:

   = average site grade elevation - average water table elevation

   = 12.05 - 6.99

   = 5.06 ft
4. From the soil storage table using Coastal Storage and assuming 25% compaction with 5.06 ft to the water table, up to 8.18 inches of moisture can be stored in the soil under the pervious areas
5. Compute available soil storage

   = storage available X pervious areas

   = 8.18 X 2.47 = 20.18 X 1/12 in.

   = 1.68 ac-ft of storage under pervious areas

6. Convert available soil storage to site-wide moisture storage, S

S = available soil storage onsite/site area

= 1.68 / 2.84 X 12 in/ 1 ft

= 7.10 inches of site-wide moisture storage, S

** for the purposes of this analysis, soil storage is included within the stage-storage table and excluded from the runoff volume calculation.

D. Predevelopment 100-year 3-day Storm Runoff Volume

$$Q = \frac{(\text{Rainfall} - (0.2 \times \text{Soil Storage}))^2}{(\text{Rainfall} + (0.8 \times \text{Soil Storage}))}$$

$$Q = \frac{(16.00\text{ in} - (0.2 \times 7.10\text{ in.}))^2}{(16.00\text{ in} + (0.8 \times 7.10\text{ in.}))} = \frac{212.59}{21.68}$$

Q = 9.81 in.

Runoff = (Q / 12) x Total Site Acreage

= (9.81 / 12) x 2.84

= 2.32 ac-ft

E. Site Runoff Contribution Characteristic

1. Available Site Storage for SFWMD C-51 Basin Sub-Basin 32 during 100-year Flood

= 0.47 ac-ft

2. Check to see if the site is an importer or exporter.

= site predevelopment runoff volume - site predevelopment available storage

= 2.32 - 0.47 = 1.85 ac-ft

3. The site is a basin runoff volume exporter.

II. Site Post Development

A. Redevelopment Area Acreage:

1. Total	2.84
2. Impervious	
a. Buildings (roof)	0.51
b. Pavement	0.69
3. Lakes	0.00
4. Pervious	1.64

B. Site Design Criteria

1. Basin SFWMD C-51 Basin Sub-Basin 32

2. 100 Year - 3 Day Flood Plain Elevation = 11.39 NAVD

3. Control Elevation = 6.99 NAVD

C. Post Development Soil Storage

1. The control elevation is 6.99 NAVD, and it is assumed that the wet season water table will be the same for the project. Consequently an average water table elevation of 6.99 NAVD will be assumed for purposes of design.

2. The average site finished grades will vary from the lowest elevation of 8.00 to 13.10 NAVD therefore the average site grade elevation will be 10.55 NAVD.

3. The average depth to water table will be:

   = average site grade elevation - average water table elevation

   = 10.55 - 6.99

   = 3.56 ft

4. From the soil storage table using Coastal Storage and assuming 25% compaction with 3.56 ft to the water table, up to 6.76 inches of moisture can be stored in the soil under the pervious areas

5. Compute available soil storage

   = storage available X pervious areas

   = 6.76 X 1.64 = 11.08 X 1/12 in.

   = 0.92 ac-ft of storage under pervious areas

6. Convert available soil storage to site-wide moisture storage, S

   S = available soil storage onsite/site area

   = 0.92 / 2.84 X 12 in/ 1 ft

   = 3.90 inches of site-wide moisture storage, S

   ** for the purposes of this analysis, soil storage is included within the stage-storage table and excluded from the runoff volume calculation.

D. Post Development 100-year 3-day Storm Runoff Volume

$$Q = \frac{(\text{Rainfall} - (0.2 \times \text{Soil Storage}))^2}{(\text{Rainfall} + (0.8 \times \text{Soil Storage}))}$$

$$Q = \frac{(16.00\text{ in} - (0.2 \times 3.90\text{ in.}))\text{ ^ }2}{(16.00\text{ in} + (0.8 \times 3.90\text{ in.}))} = \frac{231.66}{19.12}$$

Q = 12.12 in.

Runoff = (Q / 12) x Total Site Acreage

= (12.12 / 12) x 2.84

= 2.87 ac-ft

E. Site Runoff Contribution Characteristic

1. Available Site Storage for SFWMD C-51 Basin Sub-Basin 32 during 100-year Flood

= 1.08 ac-ft

2. Check to see if the site is an importer or exporter.

= site post development runoff volume - site post development available storage

= 2.87 - 1.08 = 1.79 ac-ft

3. The site is a basin runoff volume exporter.

III. Confirm Flood Plain Compensation

A. Compare Pre and Post Development Storage

1. Because the predeveloped site is an exporter, the post development site design export volume must be less than or equal to the predeveloped site conditions.

1.85 > 1.79

The post development site design is acceptable.

Prairie Rd. Subdivision

COMPENSATING STORAGE COMPARISON

PRE-DEVELOPMENT STAGE VS. STORAGE:

STORAGE CATEGORY =	N/A	N/A	N/A	ASPHALT	OPEN SPACE	TOTAL STORAGE
STORAGE TYPE =	LINEAR	LINEAR	LINEAR	LINEAR	LINEAR	
BEGINNING STAGE =	99.00	99.00	99.00	11.45	10.20	
ENDING STAGE =	100.00	100.00	100.00	13.87	13.90	
STORAGE AREA (Ac) =	0.00	0.00	0.00	0.38	2.47	
STAGE (ft) / STORAGE	(Ac-ft)	(Ac-ft)	(Ac-ft)	(Ac-ft)	(Ac-ft)	(Ac-ft)
10.20	0.00	0.00	0.00	0.00	0.00	0.00
11.00	0.00	0.00	0.00	0.00	0.21	0.21
11.39	0.00	0.00	0.00	0.00	0.47	0.47
12.00	0.00	0.00	0.00	0.02	1.08	1.10
13.00	0.00	0.00	0.00	0.19	2.61	2.80
14.00	0.00	0.00	0.00	0.50	4.81	5.32

POST-DEVELOPMENT STAGE VS. STORAGE:

STORAGE CATEGORY =	DRY DETENTION 1	DRY DETENTION 1	SIDEWALK	ASPHALT	OPEN SPACE	TOTAL STORAGE
STORAGE TYPE =	LINEAR	VERTICAL	LINEAR	LINEAR	LINEAR	
BEGINNING STAGE =	8.00	8.00	11.25	10.85	10.50	
ENDING STAGE =	10.50	10.50	12.05	11.80	13.10	
STORAGE AREA (Ac) =	0.09	0.18	0.13	0.57	1.38	
STAGE (ft) / STORAGE	(Ac-ft)	(Ac-ft)	(Ac-ft)	(Ac-ft)	(Ac-ft)	(Ac-ft)
8.00	0.00	0.00	0.00	0.00	0.00	0.00
9.00	0.02	0.18	0.00	0.00	0.00	0.19
10.00	0.07	0.35	0.00	0.00	0.00	0.42
11.00	0.15	0.53	0.00	0.01	0.07	0.75
11.39	0.19	0.59	0.00	0.09	0.21	1.08
12.00	0.24	0.70	0.04	0.38	0.60	1.96
13.00	0.33	0.88	0.17	0.95	1.66	3.98
14.00	0.42	1.05	0.30	1.52	3.03	6.31

*100 YR - 3 Day Flood Elevation per C-51 Basin Sub-Basin 32 = 11.39 NAVD

REFERENCES

Questions concerning the VERTCON process may be mailed to NGS

Latitude: 26 38 50.020

Longitude: 080 04 59.890

NGVD 29 height: 0000.00 ft

Datum shift(NAVD 88 minus NGVD 29): -1.512 feet

Converted to NAVD 88 height: -1.512 feet

A Higher Standard of Excellence
engenuity group inc.
ENGINEERS SURVEYORS GIS MAPPERS

C. ANDRE BAYMAN, P.S.M.
KEITH B. JACKSON, P.E.
LISA A. TROPEPE, P.E.
ADAM SWANEY, P.E., LEED AP
JENNIFER MALIN, P.S.M.

June 11, 2021

To: Iramis Cabrera, Village of Palm Springs Planner

From: Tara Bamber, PE

Re: Prairie Road Subdivision @ 1974 Prairie Rd
Site Plan Approval Letter
Engenuity Group Project No. 6001.101

We have received the following through email on 06-03-21:

1. Site Plan, 1 sheet (SP-1), revised 5-24-21, by LDI, Inc.
2. Landscape Plan, 2 sheets (LP-1, LP-2), revised 5-24-21, by Litterick Landscape Architecture.
3. Response to Comments Letter, 5-17-21, LRM, Inc.

We recommend Site Plan approval with the following conditions:

1. Provide Village details and specifications (CAD files are available) for the water and sewer work.
2. Provide revised Surface Water Management Calculations per plan updated.
3. Provide permits from applicable agencies including, but not limited to, LWDD, Fire Rescue, etc.
4. Additional comments may be asked at time of Civil/Utility permit review.

If you should have any questions, please give me a call at 561-655-1151.

Cc: Chad Girard, PE
Lisa Tropepe, PE
Ed Horton

Department of Engineering and Public Works
P.O. Box 21229
West Palm Beach, FL 33416-1229
(561) 684-4000
FAX: (561) 684-4050
www.pbcgov.com

Palm Beach County Board of County Commissioners
Dave Kerner, Mayor
Robert S. Weinroth, Vice Mayor
Hal R. Valeche
Gregg K. Weiss
Mary Lou Berger
Melissa McKinlay
Mack Bernard

County Administrator
Verdenia C. Baker

"An Equal Opportunity Affirmative Action Employer"

printed on sustainable and recycled paper

January 6, 2020

Dr. Juan F. Ortega, PE
JFO Group Inc
11924 Forest Hill Blvd, Suite 10A-123
Wellington, FL 33414

RE: 1974 Prairie Road
Project #: 191217
Traffic Performance Standards Review

Dear Dr. Ortega:

The Palm Beach County Traffic Division has reviewed the **1974 Prairie Road Development** Traffic Impact Statement, dated December 18, 2019, pursuant to the Traffic Performance Standards in Article 12 of the Palm Beach County Unified Land Development Code (ULDC). The project is summarized as follows:

Municipality:	Palm Springs
Location:	East side of Prairie Road, about 0.22 miles south of Forest Hill Blvd
PCN:	70-43-44-08-23-013-0020
Access:	One full access driveway connection onto Prairie Road (As used in the study and is NOT an approval by the County through this letter)
Existing Uses:	Vacant
Proposed Uses:	Single Family Homes = 16 DU
New Daily Trips:	160
New Peak Hour Trips:	12 (3/9) AM; 17 (11/6) PM
Build-out:	December 31, 2024

Based on our review, the Traffic Division has determined the proposed development generates less than 20 peak hour trips, and therefore, **meets** the PBC Traffic Performance Standards.

Please note the receipt of a Traffic Performance Standards (TPS) approval letter does not constitute the review and issuance of a Palm Beach County Right-of-Way (R/W) Construction Permit nor does it eliminate any requirements that may be deemed as site related. For work within Palm Beach County R/W, a detailed review of the project will be provided upon submittal for a R/W permit application. The project is required to comply with all Palm Beach County standards and may include R/W dedication.

No building permits are to be issued by the Village after the build-out date specified above. The County traffic concurrency approval is subject to the Project Aggregation Rules set forth in the Traffic Performance Standards Ordinance.

The approval letter shall be valid no longer than one year from date of issuance, unless an application for a Site Specific Development Order has been approved, an application for a Site Specific Development Order has been submitted, or the approval letter has been superseded by another approval letter for the same property.

If you have any questions regarding this determination, please contact me at 561-684-4030 or email QBari@pbcgov.org.

Sincerely,

Quazi Bari, P.E., PTOE
Manager – Growth Management
Traffic Division

QB:HA:qg
ec:
Kim Glas-Castro, Director of Planning, Zoning & Building, Village of Palm Springs
Hanane Akif, E.I., Project Coordinator II, Traffic Division
Steve Bohovsky, Technical Assistant III, Traffic Division

File: General - TPS - Mun - Traffic Study Review
F:\TRAFFIC\HA\MUNICIPALITIES\APPROVALS\2019\191217 - 1974 PRAIRIE ROAD.DOCXN

12-8-2020

Good afternoon Iramis,

LWDD has no objection to the certification of this petition.

It is located on the north side of the L-8 Canal and is adjacent. LWDD had the opportunity to review canal cross-sections in April 2020 and it appears that LWDD has adequate right-of-way along this stretch of the L-8 Canal, being 80 feet wide.

This project will require a drainage outfall connection permit prior to construction.

Thank you for allowing LWDD to comment on this project.

Warm regards,

Anne H. Perry

Anne Perry | Right-of-Way Specialist
Lake Worth Drainage District | 13081 Military Trail | Delray Beach, Florida 33484
Direct Line | 561.819.5577 | Main Line 561.498. 5363 | Fax | 561.495.9694

Please consider the environment before printing this email.
Under Florida law, email addresses are public records. If you do not want your email address released in response to a public records request, do not sent electronic mail to this entity. Instead, contact this office by phone or in writing.

6-10-2021

No fire rescue comments

Wesley Jolin, IAAI-CFI®
Fire Safety Specialist
Palm Beach County Fire Rescue
wjolin@pbcgov.org
561.233.2695
2300 North Jog Road: Suite 1E-40
West Palm Beach FL 33411

HIPAA NOTE: This email conforms to the rules and regulations of the **HEALTH INSURANCE PORTABILITY AND ACCOUNTABILITY ACT (HIPAA).** This email may contain HIPAA protected health information, which may include, but is not limited to, patient name, address, billing information, examination or treatment information, or other personal identifiers. All such information must remain confidential, and may only be viewed and utilized by those legally authorized. If such message is received in error, please notify the sender and delete the original. Any other use is strictly prohibited.

Under Florida law, e-mail addresses are public records. If you do not want your e-mail address released in response to a public records request, do not send electronic mail to this entity. Instead, contact this office by phone or in writing.

3-18-2021

Hello Iramis,

No additional comments on the site plan. The applicant has been in contact with our Right of Way manager to resolve the Prairie Rd deed issue brought forth last review. We will ensure this issue is addressed at time of right of way permitting with the County.

Curtesy notes on the preliminary construction plans to be resolved at the time of County right of way permitting:

- Please verify that drainage conveyance along Prairie Rd will be preserved.
- Per previous comments from local roads, sidewalk along Prairie Rd shall be set 1 foot from the right of way line if no curb & gutter is used or just at the back of curb when using curb & gutter.
- Show ramps and crosswalk across the main driveway. Note the ramps and crosswalk need to remain within the Prairie Rd right of way.

Best Regards,
Will

From: Iramis Cabrera <icabrera@vpsfl.org>
Sent: Wednesday, March 17, 2021 3:17 PM
To: Christopher Schulle <cschulle@wasteprousa.com>; Will Carey <WCarey@pbcgov.org>; Sandra Ospina M. <SOspina@pbcgov.org>
Subject: 1974 Prairie Rd

****** Note: This email was sent from a source external to Palm Beach County. Links or attachments should not be accessed unless expected from a trusted source. ******

Good afternoon,

Can you please review revised site plan attached for the proposed subdivision project at 1974 Prairie Rd and let me know if you have any comments?

Thanks.

Iramis Cabrera
PZ&B Interim Director
Village of Palm Springs
Planning, Zoning & Building Department
Office: (561)-965-4016
icabrera@vpsfl.org

Village of Palm Springs
Land Development Department
226 Cypress Lane, Palm Springs, FL 33461
(561) 965-4016 Fax (561) 439-4132

LETTER OF TRANSMITTAL

To: Chad Girard/Ed Horton
Tom Ceccarelli/Frank Castro
Jolin Wesley

Date: JULY 29/2021

RE: Prairie Rd subdivision – PUD Site Plan – 1974 Prairie Road
4TH submittal 7-29-2021

Attached are:

- x Prints
- ☐ Reproducibles
- ☐ Correspondence
- ☐ Report
- ☐ Specifications
- ☐ Applications
- ☐ Other

COPIES	DATE	DESCRIPTION
1	7/28/2021	Site Plan Package

Transmitted:

- ☐ For Approval
- ☐ As Requested
- xxxx For Review and Comment
- ☐ For Revisions
- ☐ For Your Use
- ☐ Other

REMARKS:

Upon review, please forward any comments regarding the attached materials to me,. Should you have any questions regarding the attached materials, do not hesitate to contact me at (561) 434-5090 or icabrera@vpsfl.org Thank you for your assistance.

Signed: Iramis Cabrera

Comments / Suggestion

1) Buffer between School and Project

8/25/21

THE SCHOOL DISTRICT OF
PALM BEACH COUNTY, FL

KRISTIN K. GARRISON, AICP
DIRECTOR

WANDA F. PAUL
CHIEF OPERATING OFFICER

PLANNING AND INTERGOVERNMENTAL RELATIONS
3300 FOREST HILL BOULEVARD, SUITE B-102
WEST PALM BEACH, FL 33406

PHONE: 561-434-8020 / FAX: 561-434-8815
WWW.PALMBEACHSCHOOLS.ORG/PLANNING

SCHOOL CAPACITY AVAILABILITY DETERMINATION (SCAD)

Application	**Submittal Date**	05/25/2021		
	SCAD No.	**20122201D - D. O.**		
	FLU /Rezoning/D.O. No.	202001335 – Village of Palm Springs		
	PCN No.	70-43-44-08-23-013-0020 / 1974 Prairie Road		
	Development Name	**Prairie Road Subdivision**		
	Owner/Agent Name	Lox Land Holdings, Inc. / Kevin McGinley		
	SAC No.	184		
	Proposed Unit No. & Type	**Sixteen (16) Single-Family Units**		
Impact Review		**Meadow Park** Elementary School	**Conniston** Middle School	**Forest Hill** High School
	New Students Generated	3	2	2
	Capacity Available	**-101**	**-92**	**-767**
	Utilization Percentage	**115%**	**108%**	**142%**
School District Staff's Recommendation	**Based on the findings and evaluation of the proposed development, there will be negative impact on the public school system. Therefore, if the proposed development is approved by the Village Council, School District staff recommends the following condition to mitigate such impact.** In order to address the school capacity deficiency generated by this proposed development at the District **Elementary**, **Middle** and **High school level**, the property owner shall contribute a total of **$48,382** to the School District of Palm Beach County prior to the issuance of first building permit. This school capacity contribution is intended to supplement the required school impact fee (impact fee credit has already been applied). Please note that the school impact fee credit is calculated based on the Net Impact Cost per Student, as calculated in the County's latest Impact Fee Ordinance, which was adopted on April 16, 2019.			
Validation Period	1) This determination is valid from **05/28/2021** to **05/27/2022** or the expiration date of the site-specific development order approved during the validation period. 2) A copy of the approved D.O. must be submitted to the School District Planning Dept. prior to **05/27/2022** or this determination will expire automatically on **05/27/2022**.			
Notice	School age children may not necessarily be assigned to the public school closest to their residences. Students in Palm Beach County are assigned annually to schools under the authority of the School Board and by direction of the Superintendent, public school attendance zones are subject to change.			

Joyce Cai

School District Representative Signature

May 28, 2021

Date

Joyce C. Cai, Senior Planner

Print Name & Title

joyce.cai@palmbeachschools.org

Email Address

CC: Iramis Cabrera, PZB Interim Director, Village of Palm Springs
Joyell Shaw, PIR Manager, School District of Palm Beach County

12-8-2020

Iramis:

Good afternoon. I hope all is well. The site will not be required to construct a school bus shelter. If it has not yet occurred, the applicant needs to contact Joyce Cai in order to complete a School Capacity Availability Determination (SCAD) application for the proposed development.

Thank you for the opportunity to review the proposal.

Michael C. Owens
Senior Planner, Planning & Intergovernmental Relations
Division of Facilities Management

"Be present in all things and thankful for all."
- Maya Angelou

School District of Palm Beach County - North County Support Center
3661 Interstate Park Road North, Suite 200
Riviera Beach, FL 33404
Phone 561.882.1938 PX 21938 FAX 561.882.1942
Michael.Owens.1@palmbeachschools.org
www.palmbeachschools.org/planning

8-13-2021

Good evening Iramis,

The proposed mailbox location is acceptable.

Lastly, I would like to request the contact information of the builder and or owner of this project please.

Thank you,

Nikki Rudershausen
United States Postal Service
Florida 3 District
Delivery Programs
Growth Management Coordinator
2200 NW 72ND AVE STE 222
Miami, Fl 33152-9321

Direct Line 305-470-0553
Fax Line 305-470-0554

Village of Palm Springs
Land Development Department
226 Cypress Lane, Palm Springs, FL 33461
(561) 965-4016 Fax (561) 439-4132

LETTER OF TRANSMITTAL

To: Chad Girard/Ed Horton
Tom Ceccarelli/Frank Castro
Jolin Wesley

Date: June 3/2021

RE: Prairie Rd subdivision – PUD Site Plan – 1974 Prairie Road
2nd submittal 6-2-2021

Attached are:

- x Prints
- ☐ Reproducibles
- ☐ Correspondence
- ☐ Report
- ☐ Specifications
- ☐ Applications
- ☐ Other

COPIES	DATE	DESCRIPTION
1	6/3/2021	Site Plan Package

Transmitted:

- ☐ For Approval
- ☐ As Requested
- xxxx For Review and Comment
- ☐ For Revisions
- ☐ For Your Use
- ☐ Other

REMARKS:

Upon review, please forward any comments regarding the attached materials to me.. Should you have any questions regarding the attached materials, do not hesitate to contact me at (561) 434-5090 or icabrera@vpsfl.org Thank you for your assistance.

Signed: Iramis Cabrera

Utilities are good. Value needs to be added on Vacuun sewer line at Connection.

EL HR 6-4-21

3-18-2021

cschulle@wasteprousa.com

This looks like curbside do we are fine

Sent from my iPhone

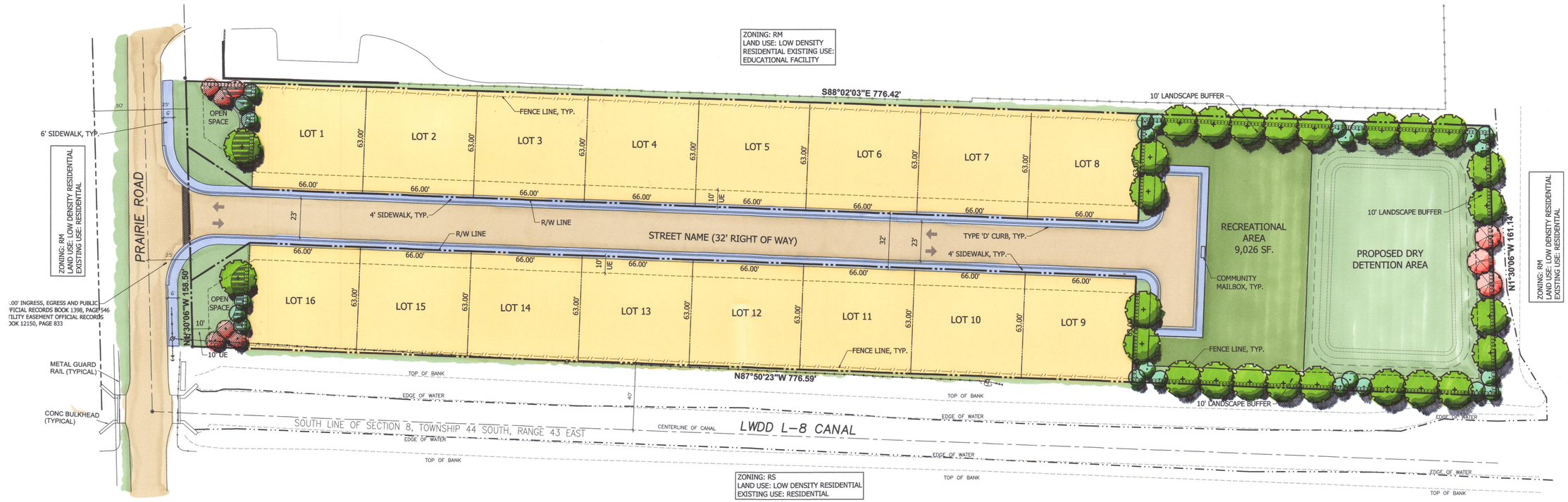
On Mar 17, 2021, at 3:17 PM, Iramis Cabrera <icabrera@vpsfl.org> wrote:

Good afternoon,

Can you please review revised site plan attached for the proposed subdivision project at 1974 Prairie Rd and let me know if you have any comments?

Thanks.

H&L Planning & Development. CONSULTANTS
354 Cypress Drive, Suite 6, Tequesta, FL 33469
P(561) 222-9284 F(561) 348-9491



Master Plan

0 15' 30' 60' 90' 120'
Scale: 1" = 30'
NORTH

Litterick Landscape Architecture
LC26000482
2740 SW Martin Downs Blvd. #199
Palm City, Fl 34990
561-719-3876
JasonLA1677@yahoo.com

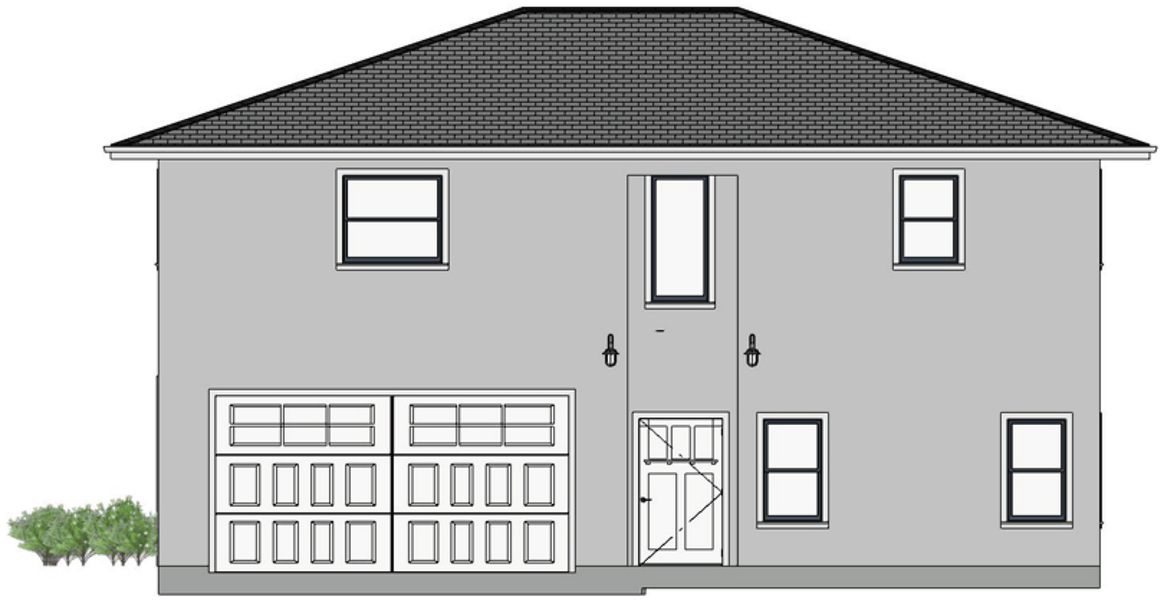
Project Name
PRAIRIE ROAD SUBDIVISION
Village of Palm Springs, Florida

Landscape Architect of Record
REGISTERED LANDSCAPE ARCHITECT JASON M. LITTERICK LA 0001677 STATE OF FLORIDA
Jason M. Litterick, RLA
(LA0001677)

Scale: 1" = 30'-0"

Designed: JML
Drawn: JML
Approved: JML
Date: 3/9/21
Job no.
Revisions:

Sheet No.
MP-1



Mechanical Components

The exterior air condition unit will be installed on the west side of the building. A hedge native to the state and no less than 3 foot will be installed around the unit to screen the unit from view.



Exterior Colors-

The exterior colors of the home shall be light neutral colors, consisting of a grey tone, beige tone, and light blue tone with white trim. Homeowners will have a choice to select from the three colors below when designing their home.



Exterior Roofing

The roofing material to be used throughout the community will be an asphalt architectural shingle, below are the three colors homeowners will have the ability to select from.

REVISION TABLE

NUMBER	DATE	REVISED BY	DESCRIPTION

JAIRO A. ROJAS LICENSE No 54859 STATE OF FLORIDA PROFESSIONAL ENGINEER

P.E. #54859

JAIRO ROJAS
66 Edinburgh Drive.
Palm Beach Gardens, Fl 33418
(954) 708-6629

PRAIRIE KEY ESTATE MODEL
1974 PRAIRIE KEY ROAD
PALM SPRING, FL

DATE: 2/19/21

SCALE: 1/4"=1'

SHEET: 3

CFN 20190462924
OR BK 31101 PG 1696
RECORDED 12/19/2019 08:46:03
Palm Beach County, Florida
AMT 767,350.00
DEED DOC 5,371.80
Sharon R. Bock
CLERK & COMPTROLLER
Pgs 1696-1697; (2Pgs)

Prepared by and return to:

Florida Title Advisors, Inc.
8409 N. Military Trail Suite 116
Palm Beach Gardens, FL 33410
561-314-0365
File Number: **19-174**
Will Call No.:

This is not a certified copy

[Space Above This Line For Recording Data]

Warranty Deed

This Warranty Deed made this **13th** day of **December, 2019** between **Syrian Lebanon American Club of Palm Beach County, Inc., a Florida Corporation** whose post office address is **328 Fairway Court, Lake Worth, FL 33462**, grantor, and **Lox Land Holdings Inc., a Florida corporation** whose post office address is **8409 N. Military Trail, Ste 115, Palm Beach Gardens, FL 33410**, grantee:

(Whenever used herein the terms "grantor" and "grantee" include all the parties to this instrument and the heirs, legal representatives, and assigns of individuals, and the successors and assigns of corporations, trusts and trustees)

Witnesseth, that said grantor, for and in consideration of the sum of TEN AND NO/100 DOLLARS ($10.00) and other good and valuable considerations to said grantor in hand paid by said grantee, the receipt whereof is hereby acknowledged, has granted, bargained, and sold to the said grantee, and grantee's heirs and assigns forever, the following described land, situate, lying and being in **Palm Beach County, Florida** to-wit:

The West 800 feet, less the North 1150 feet of the Southeast Quarter of the Southwest Quarter of Section 8, Township 44 South, Range 43 East, Palm Beach County, Florida. Together with easement for ingress, egress and public utilities over the Wes 25 feet of the East Half of the Southwest Quarter of Section 8, Township 44 South, Range 43 East.

Parcel Identification Number: 70-43-44-08-23-013-0020

Together with all the tenements, hereditaments and appurtenances thereto belonging or in anywise appertaining.

To Have and to Hold, the same in fee simple forever.

And the grantor hereby covenants with said grantee that the grantor is lawfully seized of said land in fee simple; that the grantor has good right and lawful authority to sell and convey said land; that the grantor hereby fully warrants the title to said land and will defend the same against the lawful claims of all persons whomsoever; and that said land is free of all encumbrances, except taxes accruing subsequent to **December 31, 2019**.

In Witness Whereof, grantor has hereunto set grantor's hand and seal the day and year first above written.

Signed, sealed and delivered in our presence:

Witness Name: Kathy Byrnes

Witness Name: Amanda Crilbert

Syrian Lebanon American Club of Palm Beach County, Inc., a Florida Corporation

By: _____
Abed Sakr, President

(Corporate Seal)

This is not a certified copy

State of Florida
County of Palm Beach

The foregoing instrument was acknowledged before me this 10th day of December, 2019 by Abed Sakr, President of Syrian Lebanon American Club of Palm Beach County, Inc., a Florida Corporation, on behalf of the corporation. He/she [ ] is personally known to me or [X] has produced a driver's license as identification.

[Notary Seal]

AMANDA LOPEZ
MY COMMISSION # GG14604
EXPIRES: July 24, 2020

Notary Public

Printed Name: Amanda Lopez

My Commission Expires: 7/24/20

DoubleTime®

LEGAL DESCRIPTION (OFFICIAL RECORDS BOOK 31101, PAGE 1696)

THE WEST 800 FEET, LESS THE NORTH 1150 FEET OF THE SOUTHEAST QUARTER OF THE SOUTHWEST QUARTER OF SECTION 8, TOWNSHIP 44 SOUTH, RANGE 43 EAST, PALM BEACH COUNTY, FLORIDA. TOGETHER WITH EASEMENT FOR INGRESS, EGRESS AND PUBLIC UTILITIES OVER THE WEST 25 FEET OF THE EAST HALF OF THE SOUTHWEST QUARTER OF SECTION 8, TOWNSHIP 44 SOUTH, RANGE 43 EAST.

CONTAINING 123860 SQUARE FEET OR 2.84 ACRES, MORE OR LESS, (GROSS)



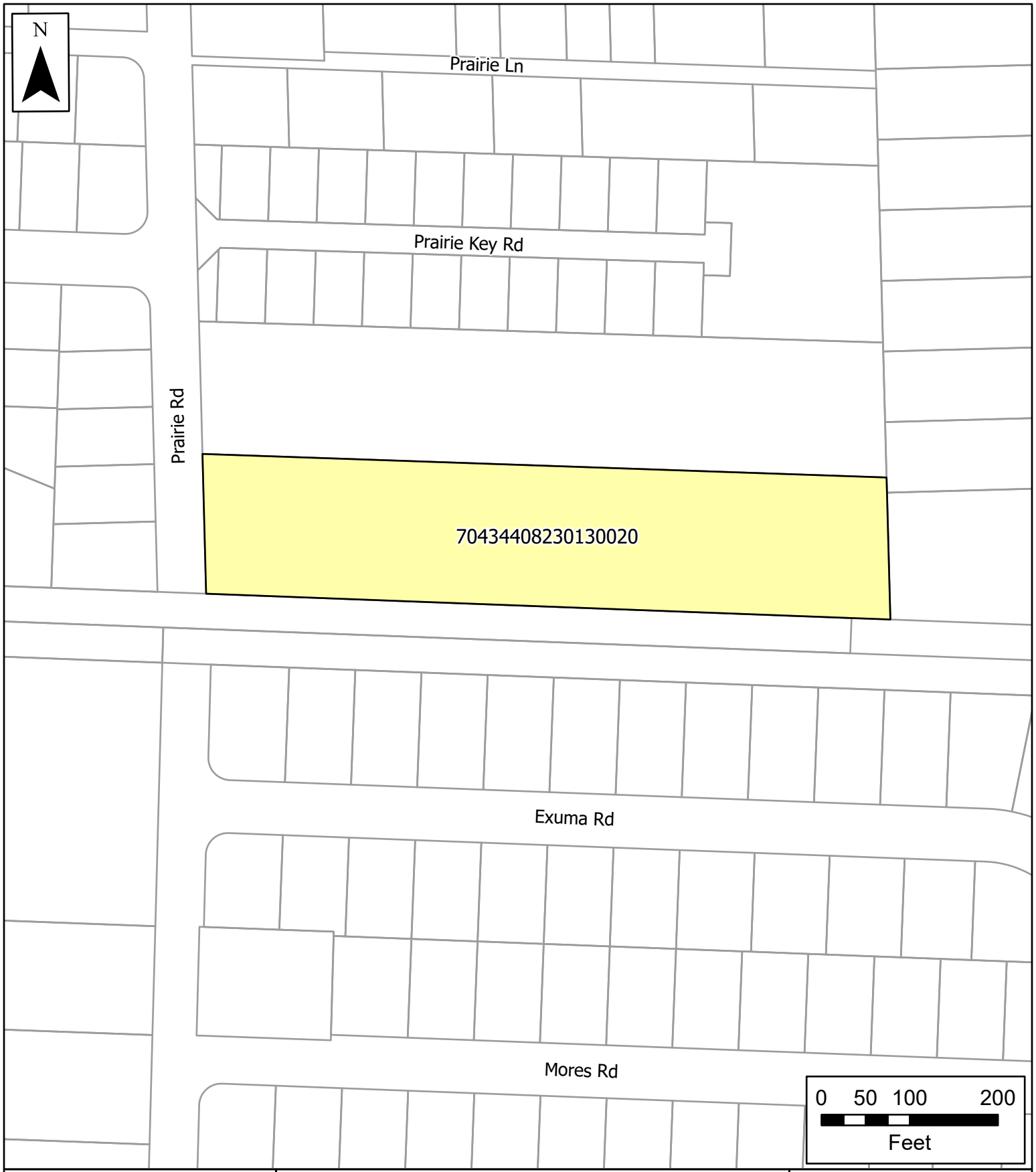
Village of Palm Springs

Prairie Rd Subdivision - 1974 Prairie Rd

Property Boundary

The Data is provided "as is" without warranty or any representation of accuracy, timeliness or completeness. The burden for determining accuracy, completeness, timeliness, merchantability and fitness for or the appropriateness for use rests solely on the requester. The Village of Palm Springs make no warranties, express or implied, as to the use of the licensed Data. There are no implied warranties of merchantability or fitness for a particular purpose. The requester acknowledges and accepts the limitations of the Data, including the fact that the Data is dynamic and is in a constant state of maintenance, correction and update

Data Source: Project boundary provided by Palm Beach County, World Imagery Basemap provided by ESRI Online Services.



Village of Palm Springs

Prairie Rd Subdivision - 1974 Prairie Rd

Property Boundary

The Data is provided "as is" without warranty or any representation of accuracy, timeliness or completeness. The burden for determining accuracy, completeness, timeliness, merchantability and fitness for or the appropriateness for use rests solely on the requester. The Village of Palm Springs make no warranties, express or implied, as to the use of the licensed Data. There are no implied warranties of merchantability or fitness for a particular purpose. The requester acknowledges and accepts the limitations of the Data, including the fact that the Data is dynamic and is in a constant state of maintenance, correction and update

Data Source: Project boundary provided by Palm Beach County, World Imagery Basemap provided by ESRI Online Services.

THE

LAKE WORTH HERALD

Published Once a Week

Lake Worth, Palm Beach County, Florida

STATE OF FLORIDA
COUNTY OF PALM BEACH:

BEFORE the undersigned authority personally appeared MARK J EASTON, who on oath says that he is PRESIDENT of *The Lake Worth Herald*, a weekly newspaper published at Lake Worth in Palm Beach County, Florida; that the attached copy of advertisement, being a Legal Notice in the matter of

Village of Palm Springs Notice of Public Hearing to be held on September 14, 2021 and October 14, 2021 in the Village Council Chambers at Village Hall, 226 Cypress Lane, Palm Springs, Florida, to consider Resolution No. 2021-30 and 2021-31

was published in said newspaper in the issue of

September 2, 2021

Affiant further says that the said The Lake Worth Herald is a newspaper published at Lake Worth, in said Palm Beach County, Florida, and that the said newspaper has heretofore been continuously published in said Palm Beach County, Florida, each week and has been entered as second class mail matter at the post office in Lake Worth, in said Palm Beach County, Florida, for a period of one year next preceding the first publication of the attached copy of advertisement; and affiant further says that he has neither paid nor promised any person, firm or corporation any discount, rebate, commission or refund for the purpose of securing this advertisement for publication in the said newspaper.

MARK J EASTON

SWORN TO AND SUBSCRIBED before me this 2nd day of September, 2021, by Mark J Easton, who is known to me.

Notary Public, State of Florida at Large

DEBRA J. SNODGRASS
MY COMMISSION # HH138425
EXPIRES: September 18, 2025

Legal Notice No. 39132

PUBLIC HEARING NOTICE

Notice is hereby given that public hearings will be held on:

Tuesday, September 14, 2021 at 6:30 p.m. by Planning & Zoning Board
Thursday October 14, 2021 at 6:30 p.m. by Village Council
in the Village Hall Council Chambers at 226 Cypress Lane, Palm Springs to consider:

RESOLUTION NO. 2021-30

A RESOLUTION OF THE VILLAGE COUNCIL OF THE VILLAGE OF PALM SPRINGS, FLORIDA, REQUESTING (APPROVING/DENYING), WITH CONDITIONS, A SITE PLAN, (SPR21-11) FOR THE CONSTRUCTION OF A RESIDENTIAL PLANNED DEVELOPMENT PROJECT CONSISTING OF SIXTEEN (16) SINGLE FAMILY RESIDENCES LOCATED AT 1974 PRAIRIE ROAD AND PROVIDING FOR AN EFFECTIVE DATE.

RESOLUTION NO. 2021-31

A RESOLUTION OF THE VILLAGE COUNCIL OF THE VILLAGE OF PALM SPRINGS, FLORIDA, REQUESTING (APPROVING/DENYING), WITH CONDITIONS, A SITE PLAN, (SPR21-12) FOR THE CONSTRUCTION OF A RESIDENTIAL PLANNED DEVELOPMENT PROJECT CONSISTING OF TWENTY-ONE (21) TWO-STORY TOWNHOMES, WITH THREE (3) WAIVERS, LOCATED AT 3075 PRINCE DRIVE, A VACANT LOT AT PAETZOLD DRIVE AND FERRELL DRIVE AND PROVIDING FOR AN EFFECTIVE DATE.

All persons interested in these matters may appear at the times and place aforesaid and be heard. Prior to the meeting the application may be reviewed at the Village Clerk's Office.

If a person decides to appeal any decision made by the above Boards with respect to any matter considered at such hearings, he or she will need a record of the proceedings, and for such purpose may need to ensure that a verbatim record of the proceedings is made, which record includes the testimony and evidence upon which the appeal is to be based. Persons who need an accommodation in order to attend or participate in this meeting should contact the Village Clerk at (561) 965-4010 at least three (3) days prior to the meeting in order to request such assistance.

VILLAGE OF PALM SPRINGS, FLORIDA
Kimberly M. Wynn, Village Clerk
Publish: The Lake Worth Herald
September 2, 2021

Village of Palm Springs

Executive Brief

AGENDA DATE: October 14, 2021

DEPARTMENT: Planning, Zoning & Building

ITEM 9.4: Ordinance No. 2021-09 - Land Use and Rezoning (Small-Scale) Amendments - Prince Place - 3075 Prince Drive, 3098 Ferrell Drive & a vacant lot on Paetzold Drive *(Quasi-Judicial Hearing) (First Reading)*

SUMMARY:

Mr. Miles Rich, the Applicant, is requesting a small-scale land use plan amendment and rezoning on 1.62 acres (comprised of three (3) parcels) located at 3075 Prince, 3098 Ferrell Drive, and a vacant lot on Paetzold Drive, to facilitate a multi-family (townhome) development project.

The proposed small-scale land use and zoning changes would be from existing Palm Springs to new Palm Springs designations, and the combined properties are less than 50 acres in size (1.62 acres total) and planned for urban (residential) use:

Existing Village Future Land Use	Proposed Village Future Land Use	Existing Village Zoning	Proposed Village Zoning
Commercial	High Density Residential (up to 19 du/ac)	General Commercial (CG)	Residential Multiple-Family (RM)

The applicant is requesting that the property be designated with the Village's High-Density Residential future land use category (19 du/ac), which would allow up to a maximum intensity of 30 residential dwelling units. The property was annexed into the Village of Palm Springs in 2016 and assigned Village Commercial and Commercial General future land use and zoning designations, respectively.

Note: The subject property is bound to the east by Commercial Land Use and to the west, south and, north by Palm Beach County Residential land use.

The applicant is concurrently requesting site plan approval (SPR21-12) and, three (3) waivers

for residential planned development (RPD) to construct 21 two-story townhomes within three (3) buildings, which they intend to operate as a rental community, although the property will be platted. The proposed community would have access via Prince Drive and Paetzold Avenue. The amenities are expected to include a tot lot with swing-sets, spring-riders, see-saw, a picnic area with BBQ grill, table and benches under a shade structure and, an open grass area for sports fields.

The applicant is requesting three (3) waivers for the proposed RPD Site Plan:

1. Relief from Sec.34-766(7) - Allow a 20' front setback rather than 25' minimum required.
2. Relief from Sec. 34-1064(c) - Allow a residential planned development project on 2.07 acres lot rather than on a 3 acres lot minimum required.
3. Relief from Sec.34-766(1) - Allow twenty-one (21) townhomes to be constructed on a 2.07-acre property rather than 4.27-acre minimum lot size.

The proposed site plan with waivers is presented (within this item) for informational purposes only (no action required at this time). If the proposed small-scale land use map and rezoning amendments are approved, the proposed site plan will be considered under a separate Resolution at a future (possibly November) meeting.

Note: The Village does not typically place conditions of approval on future land use map changes. The legislative decision as to the appropriateness of the land use, irrespective of potential development plans, is generally made with consideration on compatibility, impact on services and, need for the land use to fulfill Village redevelopment and growth objectives.

The proposed request was submitted through the PBC Intergovernmental Plan Amendment Review Committee (IPARC) for intergovernmental review and no comments were received.

Note: IPARC is designated to provide coordination of proposed plan amendments, cooperation between affected local government and service providers and provides opportunities to resolve potential disputes only within the plan amendment process.

Note: House Bill 487 (2021 Legislative Session) increased the size of small-scale amendments from 10 acres to 50 acres, and was effective July 1, 2021.

The Planning and Zoning Board considered this application during their September 14, 2021 meeting and recommended approval of the land use change/rezoning, but recommended denial of the site plan expressing concerns about the number of residential units being proposed.

The Local Planning Agency (LPA) will consider this item during their October 14, 2021 meeting.

If approved on the 1st reading, the proposed ordinance will be considered for the 2nd and final reading by the Village Council on November 18, 2021.

FISCAL IMPACT:

The property land use and rezoning amendments are not expected to provide a direct fiscal impact to the Village; however, it would facilitate development that will increase the village's property valuation. Additionally, this project, if approved, would require various Village services that will result in increased expenditures to the Village.

ATTACHMENTS:

Ord No. 2021-09 Small Scale Land Use Amendment and Rezoning - Prince Place
Exhibit "A" Staff Recommendation and Conditions of Approval
Applicant Justification Statements
Site Plan, Landscape Plans, Architectural Plans, Civil Plans and Letters
Color Site Plan and Color Rendering
Warranty Deed
Aerial, Location, FLU and Zoning Map
LWH Advertisement Ordinance No. 2021-09 - September 2, 2021 and October 7, 2021

ORDINANCE NO. 2021-09

(SMALL SCALE LAND USE AMENDMENT & REZONING)

AN ORDINANCE OF THE VILLAGE OF PALM SPRINGS, FLORIDA, AMENDING THE COMPREHENSIVE LAND USE PLAN OF THE VILLAGE, PURSUANT TO THE "SMALL SCALE" COMPREHENSIVE LAND USE AMENDMENT LAWS OF THE STATE OF FLORIDA, FOR A 1.62-ACRE PARCEL OF THREE (3) LOTS UNIFIED THAT IS CURRENTLY VACANT AND PLANNED FOR "HIGH DENISTY RESIDENTIAL" LOCATED AT 3075 PRINCE DRIVE, A VACANT LOT AT PAETZOLD DRIVE AND 3098 FERRELL DRIVE AND BEING MORE FULLY DESCRIBED IN EXHIBIT "A" ATTACHED HERETO, FROM A FUTURE LAND USE DESIGNATION OF "COMMERCIAL" TO A FUTURE LAND USE DESIGNATION OF "HIGH DENSITY RESIDENTIAL"; FURTHER CHANGING THE ZONING DESIGNATION FROM "COMMERCIAL GENERAL (CG)" DISTRICT TO PROVIDE FOR A ZONING DESIGNATION OF "RESIDENTIAL MULTIPLE-FAMILY (RM)" DISTRICT ON THE VILLAGE OF PALM SPRINGS OFFICIAL ZONING MAP; PROVIDING DIRECTIONS TO THE VILLAGE CLERK; PROVIDING FOR REPEAL OF ALL ORDINANCES IN CONFLICT; PROVIDING FOR SEVERABILITY; AND PROVIDING FOR AN EFFECTIVE DATE.

WHEREAS, the Village has determined the need to amend the land use and zoning designations for a parcel less than 50 acres in size (1.62 acres) that is currently vacant, and is currently proposed for "High Density Residential" use located at 3075 Prince Drive, 3098 Ferrell Drive and a vacant lot on Paetzold Drive; and

WHEREAS, the Village will initiate the small-scale land use and zoning changes from the existing Village of Palm Springs designations. The subject property is less than 50 acres in size; and

WHEREAS, there is a limitation of nineteen (19) dwelling units maximum on the property; and

WHEREAS, the Village has adopted a Comprehensive Plan pursuant to the Local Government Comprehensive Planning and Land Development Regulation Act (the "Act"); and

WHEREAS, the Village Council, sitting as the Village's Local Planning Agency (the "LPA") will consider this item on October 14, 2021, and their recommendation will be provided to the Council prior to consideration; and

WHEREAS, the Village Council has considered the request of Village Staff for small-scale land use amendments and re-zoning designation; and

WHEREAS, the Village Council has determined that granting the request for land use amendment and rezoning serves a valid public purpose.

NOW THEREFORE, BE IT ORDAINED BY THE VILLAGE COUNCIL OF THE VILLAGE OF PALM SPRINGS, FLORIDA:

Section 1. Findings. The Village Council finds the above statements are true and correct and serve as a basis for consideration of this ordinance.

Section 2. Future Land Use. The Future Land Use designation in the Village's Comprehensive Land Use Plan for the lands described herein, as more particularly designated in "**Exhibit A"** shall be established as "High Density Residential" land uses.

Section 3. Zoning. Concurrent with said small-scale land use amendment, the Land Development (Zoning) District designation on the official Village of Palm Springs Zoning Map shall be established as "Residential Multiple-Family (RM)", more particularly designated in **Exhibit "A"**, subject to the approval and appeal period stated in Section 2, above.

Section 4. Directions to the Village Clerk. The Village Clerk is hereby authorized and directed to forthwith cause the designation of the zoning of the property described in the attached "**Exhibit A",** as set forth in Section 3 of this Ordinance, on the official Village of Palm Springs Zoning Map.

Section 5. Repeal of Conflicting Ordinances. All Ordinances, Resolutions or parts of Ordinances and Resolutions in conflict herewith are hereby repealed.

Section 6. Severability. If any word, clause, sentence, paragraph, section or part thereof contained in this Ordinance is declared to be unconstitutional, unenforceable, void or inoperative by a court of competent jurisdiction, such declaration shall not affect the validity of the remainder of this Ordinance.

Section 7. Effective Date. This Ordinance shall become effective 31 days after adoption.

Council Member _____, offered the foregoing Ordinance, and moved its adoption. The motion was seconded by Council Member

_____, and upon being put to a vote, the vote was as follows:

	Aye	Nay	Absent
BEV SMITH, MAYOR	☐	☐	☐
GARY READY, VICE MAYOR	☐	☐	☐
DOUG GUNTHER, MAYOR PRO TEM	☐	☐	☐
PATTI WALLER, COUNCIL MEMBER	☐	☐	☐
JONI BRINKMAN, COUNCIL MEMBER	☐	☐	☐

The Mayor thereupon declared this Ordinance approved and adopted by the Village Council of the Village of Palm Springs, Florida, on second reading, this _____ day of _____, 2021.

VILLAGE OF PALM SPRINGS, FLORIDA

BY: _____
BEV SMITH, MAYOR

First Reading_____

Second Reading_____

ATTEST:

BY: _____
KIMBERLY M. WYNN, VILLAGE CLERK

REVIEWED FOR LEGAL FORM AND SUFFICIENCY

BY: _____
GLEN J. TORCIVIA, VILLAGE ATTORNEY

PLANNING, ZONING & BUILDING STAFF REPORT

SUBJECT: Small-Scale Land Use Amendment, Rezoning, and Residential Plan Development site Plan with Waivers - Prince Place - 3098 Ferrell Drive, Vacant Lot at Paetzold Drive, and 3075 Prince Drive

Application Summary			
Applicant / Petitioner	Miles Rich Rich Properties FL	**Submittal Date**	4/23/2021
Reference Name	Prince Place	**Case Number**	**SPR21-12**
		Parcel Control Nos.	70-43-44-30-01-098-0030 70-43-44-30-01-098-0040 70-43-44-30-01-098-0053
Location	Assembly of 3 properties 3098 Ferrell Drive, Vacant Lot at Paetzold Drive, & 3075 Prince Drive	**Site Area**	± 2.07 gross acres ± 1.62 net acres
P&Z B Meeting	September 14, 2021	**Local Planning Agency**	October 14, 2021
Council Meeting (after LPA, 1st Reading)	October 14, 2021	**Council Meeting (2nd Reading)**	November 18, 2021

Requests	
Proposed Use	Small-Scale Land Use Amendment of the Future Land Use Map to change the land use from Commercial General to High Density Residential, concurrent with Rezoning from Commercial General (CG) to Residential Multiple-Family, and Residential Planned Development Site Plan for construction of 21 two-story townhomes within three buildings, which the Applicant intends to operate as a rental community.
Number of Buildings	3 Buildings (approximately 18,760.5 S.F. total)
Waivers	1. Requesting a waiver from Sec. 34-766(7) to allow a front setback of 20' instead of the 25' setback required. 2. Requesting a waiver from Sec. 34-1064(c) to allow a minimum lot area of 2.07 acres instead of the 3 acres minimum requirement. 3. Requesting a waiver from Sec. 34-766(1) to allow a minimum lot area of 90,169 S.F. instead of the 186,000 S.F. required for 21 dwelling units.

Parking			
Code	**Required**	**Provided**	**Meets Requirement**
Total Parking	**Total of 66 spaces needed** 2.5/ DU + 25% for guest	66 spaces total One-Car Garage and Two-Car Driveway per Unit, 3 guest spaces	Yes

Setbacks			
Code	**Required Minimum**	**Proposed**	**Meets Requirement**
Front Yard	25'	20'	No* (waiver requested)
Rear Yard	20'	20'	Yes
Side Yard	20'	20'	Yes
Side Yard Corner	25'	25'	Yes

Site Characteristics			
Existing Use	Vacant Commercial	**Proposed Use**	Residential Multiple-Family
Existing Zoning	Commercial General (CG)	**Proposed Zoning**	Residential Multiple-Family (RM)
Existing Future Land Use	Commercial	**Proposed Future Land Use**	High Density Residential
Proposed Density	12.5 du/acres (Maximum permitted on High Density Residential is 19 du/acre)		

Surrounding Existing Land Use, Future Land Use, and Zoning			
Direction	**Existing Use**	**Future Land Use**	**Zoning District**
North	Commercial office building, Multi-Family Residential Dwellings	Commercial, Unincorporated Palm Beach County	Commercial General (CG), Unincorporated Palm Beach County
South	Multi-Family and Single-Family Residences	Unincorporated Palm Beach County	Unincorporated Palm Beach County
East	Commercial office building	Commercial	Commercial General (CG)
West	Multi-Family and Single-Family Residences	Unincorporated Palm Beach County	Unincorporated Palm Beach County

Recommendation

Planning, Zoning & Building Staff recommends conditional approval of the new residential high density planned development site plan, as depicted on the proposed site plan, based on consistency with the Village Comprehensive Plan and compatibility with surrounding uses.

Planning & Zoning Board recommended approval of the Future Land Use Amendment -motion carried 4-1. Planning & Zoning Board recommended denied of the Residential Planned Development Site Plan -motion carried 3-2.

At the Planning & Zoning Board hearing on September 14, 2021, the board members expressed concerns that proposed density is too high for these combined parcels.



I Site History

- Ordinance 2016-23: Annexation
  The properties located at 3098 Ferrell Drive, Paetzold Drive, and 3075 Prince Drive were annexed into the Village of Palm Springs on December 15, 2016 and concurrently designated with the Village's Future Land Use and Land Development District of Commercial and Commercial General, respectively.

II. Comprehensive Plan Consistency

- The subject property's Future Land Use Designation and Zoning are Commercial and Commercial General (CG), respectively. The proposed small-scale land use amendment is to be assigned as the Village's Future Land Use of High Density Residential. Concurrently, rezoning from the Village's zoning designation of Commercial General to Residential Multiple-Family is requested and is supported with a planned development site plan. All requests are consistent with the goals, objectives and policies of the Village's Comprehensive Plan.

III. Waivers Requested

The applicant is seeking the following waivers:

Waiver #1: The applicant is requesting a waiver from Sec. 34-766(7) to allow a front setback of 20' instead of the 25' setback required.

Waiver #2: The applicant is requesting a waiver from Sec. 34-1064(c) to allow a minimum lot area of 2.07 acres instead of the 3 acres minimum requirement.

Waiver #3: The applicant is requesting a waiver relief from Sec. 34-766(1) to allow a minimum lot area of 90,169 S.F. instead of the 186,000 S.F. required for 21 dwelling units.

The applicant's full justification to the waivers is attached hereto.

a. <u>The request is in harmony with and is consistent with the purpose and intent of the Village's Comprehensive Plan and Land Development Code and that such waiver will not be injurious to the area involved or otherwise detrimental to the public health, safety, and welfare.</u>

Waiver 1: The request to allow a 20' Front Setback is in harmony and is consistent with the purpose and intent of the Village's Comprehensive Plan and Land Development Code. It is our opinion that this will not affect the health safety and welfare of the residents or the surrounding community. By allowing the 5' relief from the Front setback, allows the project to be flexible within the tight constraints and odd shape of the subject property.

Waiver 2: The request to allow to develop a lot that differs from the minimum requirement from sec 34-1064(c) on acreage size from the required minimum lot requirements is outside of the Applicant's control and will not affect the public health safety, and welfare.

Waiver 3: The request to allow a reduced lot area contrary Sec 34-766(1) from the required minimum lot requirements is outside of the Applicant's control and will not affect the public health safety, and welfare.

b. <u>The request results from innovative design in which other minimum standards are exceeded.</u>

Waiver 1: By allowing the 5' relief from the Front setback, the project is allowed to be flexible within the tight constraints and odd shape of the subject property. The 5' relief gives an opportunity to meet and exceed other building setbacks where needed, for instance, along the single family residential to the south and east of the site where maximum distance

is provided.

Waiver 2: The request to allow a reduced lot size is not the result of innovative design. The lot is predisposed to be smaller than the required minimum and is outside of the control of the applicant.

Waiver 3: The request to allow a reduced lot area contrary Sec 34-766(1) from the required minimum lot requirements is outside of the Applicant's control due to size of subject property.

c. The request demonstrates that granting of the waiver will result in preservation of valuable natural resources, including drainage and recharge areas, natural areas, etc.

Waiver 1: The proposed reduction in the front setback by 5' does not adversely affect natural resources, drainage or natural areas.

Waiver 2: The request to allow a reduced lot size will not result in preservation of valuable natural resources. The lot is predisposed to be smaller than the required minimum and is outside of the control of the applicant.

Waiver 3: The request to allow a reduced lot area contrary Sec 34-766(1) from the required minimum lot requirements is outside of the Applicant's control due to size of subject property.

d. The request demonstrates public benefits to be derived, including but not limited to such benefits as dedication of rights-of-way, extensions of pedestrian linkages outside of the project boundaries, preservation of open areas and use of desirable architectural, building, and site design techniques.

Waiver 1: The request to allow for a 5' reduced front setback allows the applicant to provide desirable architectural buildings and site design techniques within an oddly shaped lot with restricted width.

Waiver 2: The request to allow a reduced lot size does not demonstrate public benefits to be derived. The lot is predisposed to be smaller than the required minimum and is outside of the control of the applicant.

Waiver 3: The request to allow a reduced lot area contrary Sec 34-766(1) from the required minimum lot requirements is outside of the Applicant's control due to size of subject property.

e. The request provides sufficient screening and buffering to screen adjacent uses from adverse impacts caused by the granting of a waiver.

Waiver 1: The waiver request will provide sufficient screening and buffering to screen adjacent uses from any adverse impacts created by the reduced front setback. The lot is predisposed to be smaller than the required minimum and is outside of the control of the applicant and will not jeopardize the screening or buffering of the subject site as it relates to a decreased front setback. All required foundation and buffer landscaping will be provided.

Waiver 2: The request to allow a reduced lot size does not affect screening or buffering. The lot is predisposed to be smaller than the required minimum and is outside of the control of the applicant.

Waiver 3: The request to allow a reduced lot area contrary Sec 34-766(1) from the required minimum lot requirements is outside of the Applicant's control due to size of subject property. It will have no adverse effect on the screening or buffering of adjacent properties.

f. Economic issues may not be used to justify waivers.

Waiver 1, 2, & 3: Economic issues are not used as a justification for these requests.

g. The request is compatible with existing and potential land uses adjacent to the development site.

Waiver 1, 2, & 3: The request is consistent with the existing and potential land uses adjacent to the development site. A majority of the surrounding uses are residential zoned and will not generate compatibility issues. The Medical office building to the east will provide the required landscape buffer and 6' fence which will assist in the compatibility issues.

Staff supports the applicant's request based on the intent of the applicant to maximize the utilization of the land reducing the amount of impervious surface and consistency with the Village Comprehensive Plan allowing for innovative designs. Although the acreage is below the minimum required for 21 residential dwelling units, the property can still be developed in the proposed manner without any adverse impact to the surrounding properties.

IV. Neighborhood Compatibility

1) The proposed project is located on the east side of Paetzold Drive between Ferrell Drive and Prince Drive.
2) Surrounding properties are mostly multi-family residential dwellings and medical offices.
3) A mix of different uses like general retail, restaurants, schools, and professional offices are located nearby along South Congress Avenue and Melaleuca Lane/6th Avenue South.
4) John Prince Park, JFK Medical Center, and Palm Beach State College are major amenities located within a mile of the site.
5) Public transportation via Palm Tran bus stops is available along South Congress Avenue and Melaleuca Lane/6th Avenue South.

V. Regulatory Issues

- The site plan generally conforms to the property development standards of a Residential Planned Development.
  1) Proposed project plan generally meets required site development regulations.
  2) A High-Density Residential Land Use designation and rezoning to RM shall be approved prior to consideration of the proposed Site Plan.
  3) The applicant is responsible to acquire all applicable permits from all regulatory agencies with jurisdiction over the project site, including but not limited to Palm Beach County, Lake Worth Drainage District, City of Atlantis, and the Village of Palm Springs.
  4) Civil/Utility plans shall be approved by the Village's Engineer.
  5) The proposed development is located within the Airport Regulated area Zone 1 for Palm Beach International Airport and Zone 3 for Palm Beach County Park/Lantana Airport.
  6) Proposed Site Plan meets the Traffic Performance Standards of Palm Beach County.
  7) There will be no negative impact on the School district of Palm Beach County public school system with the proposed development.
  8) Property is under platting process but the applicant has states that this is a rental community managed by Rich Properties LLC .

VI. Environmental Issues:

There are no environmental (wetlands, floodplains, etc.) issues identified.

VII. Community Outreach/ Notification

- The subject property was posted on September 4, 2021.
- Public Notification letters were mailed to all property owners within 300 feet radius of subject

property on September 2, 2021.

- Legal advertisement was published in the paper on September 2, 2021 and will be re-advertised on October 7, 2021.
- Staff has not received any inquiries or comments as a result of the notices.

VIII. Proposed Development Plan Details

The petitioner's development plans received on April 23, 2021, depicts the following:

- Application for Residential Planned Development Site Plan approval with 3 waivers for the construction of 21 multi-family dwelling residences within 3 buildings.
    1. Site Plan received on April 23, 2021. Revised and resubmitted on August 2, 2021.
    2. Landscape plans received on April 23, 2021. Revised and resubmitted on August 19, 2021.
    3. Engineering plan.
    4. Architectural plans received April 23, 2021. Revised and resubmitted on August 19, 2021.
    5. Photometric plan received April 23, 2021. Revised and resubmitted on August 19, 2021.
    6. Boundary and topographic survey.
    7. Traffic study.
    8. Project narrative and Justification Statement of proposed use received June 2, 2021. Revised and resubmitted on August 19, 2021.
    9. Conceptual Drainage Plan received April 23, 2021. Revised and resubmitted on August 19, 2021
    10. Storm Water Management Calculations received April 23, 2021. Revised and resubmitted on June 2, 2021

IX. Recommendation

The applicant is proposing the development of the 1.62-acre parcel with the construction of 21 two-story townhomes within three buildings, which they intend to operate as a rental community.

The townhomes will be three-bedroom homes with a one car garage and a driveway with space for two cars. The buildings will be configured with one (1) 3-townhome structure, one (1) 5-townhome structure and one (1) 13-townhome structure, for a total of three (3) buildings. The community will have two access driveways via the existing Prince Drive and Paetzold Avenue rights-of-way. Amenities include a sports field, a tot lot with playground equipment, a shade structure, and picnic tables with a grill.

Planning, Zoning & Building Staff has conducted a review of the application and found the proposed Residential Planned Development Site Plan to be consistent with goal, objectives and policies of the Village's Comprehensive Plan. The proposed project is generally consistent with the Land Development and zoning regulations and all other portions of the code.

The proposed residential multi-family project provides internal sidewalk connections between the common amenities (sports field, tot lot, picnic area) and the buildings to facilitate pedestrian circulation and safety. The proposed project provides open spaces creating common areas for passive/leisure activities. The proposed use does not significantly reduce light and air on adjacent properties and would not be a deterrent to surrounding properties. The new project does not negatively impact natural systems.

In addition, the project exceeds some of the minimum requirement for a Planned Development as shown on the table below:

Land Development Regulations	Required	Proposed
35 percent of the gross land area for open space	24,697 S.F. (0.57 acres)	30,730 S.F. (0.71 acres) (43.6%)
40% maximum lot coverage	28,225 S.F.	18,760.5 S.F. (26.6%)

PZ&B Staff recommends conditional approval of the Residential Planned Development Site Plan with three (3) waivers, for the construction of 21 multi-family dwelling residences within 3 buildings subject to the following forty-two (42) conditions below:

1. Build out date December 31, 2023.
2. Per Palm Beach Department of Airports request, each perspective tenant and/or purchaser within the ALUNZ must be informed that occasionally will observe aircraft arriving at and departing from Palm Beach County Park Airport and shall be disclosed prior to a lease agreement or real estate contract. The condition will become inclusive in the agreement/contract's conditions and shall be noted in subsequent contracts. Condition shall become inclusive in the agreement/contract's conditions and shall be provided to the Village **at time of Platting**.
3. The Final Plat shall be approved and recorded **prior to the issuance of any building permit**.
4. The common amenities shall be completed in their entirety, open for use and accessible to the residents, **prior to the issuance of the 8th Certificate of Occupancy** (40% of the project)
5. An opaque fence shall be provided around the lift station supplemented with landscaping and details shall be provided **at time of permitting**.
6. A Utility/Civil Plan shall be approved by the Village Engineer and the City of Atlantic Utility Department **at time of permitting.**
7. Details of the proposed black aluminum fence shall be provided to the PZB Department and shall be approved by the PZB Director **at time of permitting.**
8. Garages shall be used for parking only. The standard lease restrictions shall prohibit the conversion of garages into habitable spaces or used as storage.
9. The standard lease restrictions shall prohibit the installation of sheds, the parking of boats, commercial vehicles, or recreational vehicles anywhere inside the property. Parking of oversized vehicles that do not fit within the typical parking stall (9'x18.5') shall also be prohibited.
10. The legal instruments providing parking restrictions, shall be reviewed and approved by the Village Attorney and PZB Director **prior to issuance of the first building permit**.
11. Only two vehicles shall be parked in the driveways overnight and shall not be permitted to park on or block any sidewalk or drive isles.
12. No parking shall be allowed, under any circumstances, along the drive aisle. Residents and guest parking shall only occur within designated parking stalls, private driveways and private garages.
13. The Owner and/or Developer shall maintain common facilities in perpetuity. Common facilities include but are not limited to roads, sidewalks, parking areas, driveways, landscaping, benches, mailboxes, trash cans, bike racks, etc.
14. If the rental community changes to a fee-simple townhomes or condominium (sole ownership of property to individual ownership of units), an Administrative Site Plan Amendment shall be approved by the Village **prior to the sale** of any individual townhome. The Village Attorney and PZB Director shall review and approve the HOA covenants and deed restrictions pertaining to the community.
15. The construction dumpster shall be only provided by Waste Pro USA who is under franchise Agreement with the Village.
16. Conditions of approval stated in Village Engineer's letter (Chen Moore and Associates) issued on August 24, 2021, shall be satisfied **at time of Civil/Utility application review**.
17. Any existing or proposed utility box/cabinet shall be screened from view, Staff recommends wrapping the cabinets/box with a match design accordingly with the existing/proposed location.
18. Any existing or proposed utility easement shall not overlap more than 5' the landscape buffer.
19. The property owner shall post a notice of annual boundary school assignments for students from this development. The district will provide an 11' x 17' sign to be posted in a clear and visible location in all sales offices and models with the following:

    "NOTICE TO HOMEBUYERS/TENANTS"

    "school age children may not be assigned to the public school closest to their residences. School Board policies regarding overcrowding or other boundary policy decisions affect school boundaries. Please contact the Palm Beach School District Boundary Office at (561) 434-8100 for the most current school assignment(s)".
20. Photometric plans shall be approved by the Planning, Zoning and Building Department **at time of permitting**.
21. Landscaped areas shall be irrigated including but not limited to buffer, islands, planter boxes, etc.
22. The mail pickup and delivery system shall be approved by the United States Postal Service.
23. Irrigation plans shall be provided **at the time of permitting**. Non-potable water shall be used for the irrigation system per Village code.
24. Provide permits from all applicable permitting agencies, including but not limited to, Lake Worth Drainage

District, Palm Beach County, the City of Atlantis, and the Village of Palm Springs **at the time of permitting**.

25. The property owner shall register an Agent of Record, prior to issuance of a permit, to establish a contact person responsible for compliance with this Development Order, including site plan/landscape plan details and conditions of approval.
26. A copy of the NPDES Notice of Intent for Generic Permit shall be submitted to the PZB Department at time of permitting.
27. A stabilized surface shall be provided at all times during construction for access by emergency vehicles.
28. All mechanical equipment's and above-ground infrastructure shall be screened from view.
29. The Applicant may be required to undertake additional security measures, based on the number of complaints or calls for service for incidents at the premises, as determined by the Police Chief. Such additional security measures, as approved by the Police Chief, may include increased on-site security at the operator's sole expense.
30. Verify utility and easement locations to ensure that there are no conflicts with landscaping, revise **at time of permitting** as needed.
31. All electric utilities shall be underground.
32. A pre-construction meeting shall be scheduled with the Village Planning, Zoning & Building Development Department prior to commencement of any construction activity. Permits are required from the Planning, Zoning & Building Department prior to commencing any construction or renovation. The project shall be constructed in accordance with the FBC edition in effect **at the time of permitting**.
33. A silt barrier shall be installed around the perimeter of the property (within the affected area for the site improvements and new building construction) prior to commencement of any site work or construction activity, and a track pad shall be installed at the construction entrance(s), both of which shall remain through substantial completion.
34. Any sidewalk broken or damaged during construction shall be replaced by the contractor **prior to CO**.
35. The Landscaping shall be certified by the Landscape Architect upon completion and **prior to Certificate of Occupancy/Certificate of Completion** of each improvement area.
36. Absolutely no occupancy, other than construction personnel, is permitted **prior to TCO/CO**.
37. Photometrics must be certified by an engineer **prior to CO**.
38. The civil engineer of record shall certify the site construction **prior to Certificate of Occupancy**.
39. The applicant may be required to provide a resident inspector for structural elements such as concrete pours in accordance with Section 109.1.3 FBC 2010 and F.S. 553.791. Determination shall be made at time of pre-construction conference with Planning Zoning and Building Director.
40. The General Contractor shall be on site during all construction activity in accordance with FS 489.1195.
41. The project shall receive approval from all Authorities Having Jurisdiction and submit copies of approvals to the Village of Palm Springs.
42. **At the time of CO**, the petitioner shall provide the Planning, Zoning and Building Department with electronic copies of as-builts.

Statement Updated by Miles Rich.
8/19/21

Miles Rich

JUSTIFICATION STATEMENT

FLU Map Amendment | Rezoning | Site Plan
(Planned Development)

Prince Place

Village of Palm Springs, Florida

Initial Submittal: April 1, 2021
Re-Submittal: August 19th, 2021

REQUEST

On behalf of Richbuilt Sons, the Applicant, we are requesting approval of the following:

1) **Future Land Use Map Amendment** from the Village of Palm Springs Vacant Commercial Use to the Village of Palm Springs High Density Residential (HDR) Future Land Use.
2) **Rezoning** from the Village of Palm Springs Commercial General (CG) zoning district to the Village of Palm Springs Residential Multifamily (RM) zoning district as a residential planned development.
3) **Site Plan (Planned Development)** to allow a 21 unit fee-simple townhouse residential planned development.
   - **Waivers** from the following development standards allowed as part of Planned Development Performance Standards:
     I. Front Setback
     II. Minimum Lot Area
     III. Minimum Lot Area per Dwelling Unit

SITE CHARACTERISTICS

The 1.62 acre subject site, known as “Prince Place”, is located approximately 0.06 miles west of Congress Avenue and approximately 0.35 miles South of 6th Avenue. It is comprised of three parcels identified by Parcel Control Numbers (PCNs) 70-43-44-30-01-098-0053, 70-43-44-30-01-098-0040, and 70-43-44-30-01-098-0030. The three subject parcels retain a Future Land Use (FLU) Designation of Commercial. They were recently annexed into the Village of Palm Springs and are thus under the jurisdiction of the Village of Palm Springs (herein referred to as “the Village”). The three lots are located adjacent to JFK Medical Plaza to the Eastand North with two single family residential properties to the South.



SURROUNDING PROPERTIES

The site is surrounded by a mix of uses, including a medical office, single-residential, as well as multi-family medium density residential directly West of the property. Given its proximity to these differently typologies, the proposal is in line with the sites existing contextual designation.

	FLU Designation	Zoning District	Existing Use
North	UI (Urban Infill) (Palm Beach County)	UI (Urban Infill) (Palm Beach County)	Multifamily
	Commercial (Village of Palm Springs)	CG (Comm. Gen.) (Village of Palm Springs)	Medical Office
South	RM-Multifamily (PBC)	RM (Res. Med.) (Palm Beach County)	Residential Apartments
South /West	UI (Urban Infill) (PBC)	UI (Urban Infill) (Palm Beach County)	Single Family
East	Commercial (Village of Palm Springs)	CG (Comm. Gen.) (Village of Palm Springs)	Medical Office
West	HR-8 (High Residential) (Palm Beach County)	RM (Residential Med.) (Palm Beach County)	Residential Apartments

DEVELOPMENT HISTORY

As previously mentioned, the subject site was recently annexed into the Village of Palm Springs. The annexation of the subject parcels was adopted in 2016.

The subject site parcels are approximately 1.6 acres and has been undeveloped vacant land. The site to the east at 4801 S Congress Ave (PCN#70-43-44-30-01-097-0030).is a medical office building that is 4 stories high and is 36, 126 SF on 2.87 acres. This building was built in 1984. The zoning for this building is CG and sits in the Village of Palm Springs. To the south of the site there are two one story homes whose zoning is Urban Infill (UI-Unincorprated Palm Beach County). The first of the homes at 3903 Prince Drive (PCN# 00-43-44-30-01-098-0052) is in unincorporated Palm Beach County. The single family house was built in 1984 at 2040 sf on a lot that is .23 acres. The second is at Single Family on 3115 Prince Dr (PCN# 00-43-44-30-01-098-0051). To the west of the site there is an 11 unit single story complex at 3163 CANADA CT (PCN# 00-43-44-30-01-099-0030). It has a total of 13462sf and sits in 1.98 acres. The zoning for this home is RM - Multi-Family (Medium Density) (00-UNINCORPORATED PBC) with a use as a SANI/ REST HOME. The north side of the property is a multifamily 10 unit complex at 3083 FERRELLDR (PCN# 00-43-44-30-01-098-0020). The total square footage is 7748 sf and the structure sits on 0.7707 acres.
The use code is MULTIFAMILY < 10 UNITS with zoning being UI or Urban Infill (00-UNINCORPORATED PBC)

DISTRICT BOUNDARY CHANGES FUTURE LAND USE MAP AMENDMENT/REZONING

Pursuant to the review requirements provided in Section 34-602.-Land Development Board, the development proposal is consistent with said requirements as outlined below.

1. A statement of the petitioner's interest in the property to be rezoned, including a copy of the last recorded warranty deed. The following shall also be included, if applicable:

(a) If the interest is a joint and several ownership, a written consent to the rezoning petition by all parties of record.

(b) If the interest is a contract purchase, a copy of the purchase contract and written consent of the seller/owner.

(c) If an authorized agent is involved, a copy of the agency agreement or written consent of the principal/owner.

(d) If a lessee is involved, a copy of the lease agreement and written consent of the owner.

(e) If a corporation or other business entity is involved, the name of the officer or person responsible for the application and written proof that the representative has the delegated authority to represent the corporation or other business entity, or in lieu thereof, written proof that he is in fact an officer of the corporation.

Response: The Applicant has provided a copy of the Agency Agreement/written consent from the applicable property owners. A copy of the latest warranty deed applicable to each property owner has been provided for review.

2. **A certified boundary survey by a surveyor registered in the state, at a scale prescribed by the village, containing the following:**

(a) An accurate legal description of the property to be rezoned.

(b) A computation of the total acreage of the tract to the nearest one-tenth of an acre.

Response: A certified boundary survey by a surveyor registered in the state, at a scale prescribed by the Village of Palm Springs has been provided as part of this land Use/district boundary change request. A legal description and computation of the total acreage of the tract to the nearest one- tenth of an acre have been provided within the survey.

3. **The location of the subject parcel, plotted on an official base map, land development map or other acceptable map of the village.**

Response: As identified on Page One of this Justification Statement, a location map of the subject site within the Village has been provided. Furthermore, a radius map and location maps have been included to further identify the location of the subject site.

4. **A property owner's location drawing, showing all properties within 300 feet of the subject property and their relation to the subject parcel.**

Response: As required by the Village of Palm Springs to provide adjacent property owner information for Public Hearing applications/notices a location map showing all properties within 300 feet of the subject property and their relation to the subject site has been provided.

5. **A statement of special reasons or the basis for the rezoning request, including the intended use of the property.**

Response: As aforementioned, the subject parcels were recently annexed into the Village .This request to allow a high density residential land use and RM zoning are necessary in order for the subject site to remain consistent with the surrounding area and to initiate any sort of development on the subject parcels.

6. **A confirmation of the provisions of all necessary facilities and systems, and attested to by the applicant or authorized agent, for storm drainage, water supply, sewage treatment, solid waste disposal, public safety protection, recreational and park areas, school sites and any other services, where applicable.**

Response: Due to the subject site undeveloped adequate provisions of all necessary facilities and systems will be achievable for the subject site.

As part of the required application, coordination has been initiated with the appropriate facilities and system providers in order to confirm adequate provisions can be provided to the subject site. Copies of all correspondence with providers has been included with this submittal, as well as any statements received.

7. **Payment of a filing fee as established by the village.**

Response: The filing fee associated with the Future Land Use Map Amendment and Rezoning portion of the request required by this section have been provided as part of this submittal.

DEVELOPMENT PROGRAM

The following outlines the development program for the proposed 21 unit multi-family residential townhouse development:

Density

The maximum density for the RM zoning district is 19 DU/AC. The proposed development remains consistent with the district's density regulations as a density of 13 DU/AC is proposed.

Building Height

Pursuant to Section 34-1064, the maximum height for a building within the residential planned development district shall be the same as allowed in the applicable land development district, or 35 feet, whichever is higher. The proposed RM zoning district and residential planned development height regulation remain consistent with one another, as three stories or 35 feet. The subject site is in compliance with this requirement as the proposed buildings are no more than 35 feet in height.

Minimum Acreage Requirement

The Village's code requirements state that all Residential Planned Developments shall be no less than three acres. The subject site does not meet the required three acres however a waiver is being requested for minimum lot dimensions through the Planned Development.

Open Space and Common Amenity Area

Pursuant to Section 34-1064(d) of the Village Code, a residential planned development is required to provide a minimum amount of open space and common amenity area. The minimum total open space requirement for residential planned developments shall be 35 percent of the gross land area, of which 20 percent shall be common amenity area. Based on the standard for required open space, the 1.62 acre subject site is required to provide 24,697 s.f. or .57 acres of open space. The subject site currently exceeds the code requirement for open space as 42.1 percent of the gross land are proposed to remain as open space. Of the 35% open space requirement, at least 20 percent of this area must be provided as a common amenity area to all lots such as parks, playgrounds, or other recreational purposes. Based on the open space land area requirement of 24,697 s.f. the subject site is required to provide 4,939.4 s.f. of common amenity area for the proposed community. This requirement is satisfied as 24.4% or 6,038 s.f. of common amenity area has been provided (Waiver has been REMOVED from Original Submit)

Lot Coverage
Pursuant to Sec. 34-1064(e)(2), all structures within a Residential Planned Developments shall have a maximum lot coverage of 40%, based on the net area of individual lots. The development proposal is compliant as a maximum of 28,225 s.f. is allowed while the proposal utilizes 18,760.5Sq. Ft.

Access
The subject site retains triple frontage along Prince Drive, Ferrel Drive and Paetzold Ave. Two ingress/egress access points are proposed, one access point from Prince Dr. and another access point from Paetzold Ave. The two access points allow for increased circulation and flow of vehicular and pedestrian traffic throughout the subject site. Guest Parking is on street pull in standard 9' x19.5' spaces.

Buffering
Pursuant to Village Code *Article III*, *Section 34-162.-Required Landscaping,* in certain situations the Village requires landscaping around the perimeter of development parcels in order to create a buffer from adjoining land uses, streets and properties. The subject site is in compliance with this section of the Village's code as there is a 10 foot landscape buffer provided around the entirety of the subject site. This proposed perimeter buffer in conjunction with the adjacent properties' buffers will provide screening as well as provide an element of security for both the existing and proposed property.

Waivers
As provided in Subdivision IX.-Planned Developments, the proposed residential planned development is subject to greater flexibility in design and development standards relative to specific dimensional regulations, in order to encourage ingenuity and originality in subdivision and site design while preserving open space to serve recreational, scenic and other public services. Therefore, this Subdivision of the Village's code allows for waivers from certain criteria. The waivers requested for the subject site, relate to the Front setbacks, minimum lot area. The waiver details of these aforementioned requirements can be found within the subject site's Conformance with Planned Development Code section of this Justification Statement.

CONFORMANCE WITH PLANNED DEVELOPMENT CODE

As required by the Village's Development Application, demonstration must be provided that the proposed residential planned development is in conformance with the Planned Development Code Objectives and Performance Standards provided in Subdivision IX of the Village's Code. An outline of how the project conforms with standards has been provided below.

SEC. 41-1062 OBJECTIVES

1. ***To permit the creation of functional and unique residential, commercial and mixed-use developments that do not adversely impact the village's character and "small town feel".***

   Response: The proposed residential planned development is in conformance with this objective as the requested residential density of 13 dwelling units per acre (DU/AC) is not out of character for the surrounding area. The site is located in close proximity to many commercial services which will provide immediate service to future residents and create a functional balance between non- residential and residential uses. Furthermore, it is compatible with the surrounding residential land use designations to the north, east, south, and west. Therefore, by allowing for the approval of the proposed 21 dwelling unit townhouse development, the Village's "Small Town Feel" will not be adversely impacted.

2. ***To promote building siting that takes into consideration the context of the development, the location of nearby uses, and the new development's compatibility with existing neighborhoods.***

   Response: The site planning of the subject site took great consideration into the context of the development with the surrounding areas. The subject site's required dry detention areas and common amenity area provide a great deal of open space and substantially less intensity. The common area has been sited so that it exceeds the required sf.. Providing more than enough common amenity space.

3. ***To enhance landscaped open space and streetscapes.***

Response: The development proposal is consistent with the aforementioned objective as areas of the subject site will exceed landscaping requirements for open space and streetscapes.

4. ***To bring unique and creative solutions to new development, the following elements should be considered in the context of the specific site, project and/or use:***

   a) Arrangement and spacing of buildings and open spaces;
   b) Ability to aggregate adjacent lots or parcels, and/or eliminate nonconformities;
   c) Location of access drive and sidewalks to promote circulation and access;
   d) Building coverage;
   e) Sufficient and convenient parking for uses and activities;
   f) Landscape buffers and screening mechanisms to enhance aesthetics and promote compatibility
   g) Adequate lighting for security and pedestrian/vehicular safety; and
   h) Development of large employment centers predominately of light industrial or high technology uses in underutilized corridors. The flexibility of design should promote revitalization of the primary commercial areas and an economic stimulus through job creation to the local economy as well.

Response: The development proposal brings unique and creative solutions to new development, by remaining consistent with the aforementioned subobjectives. As previously mentioned, great consideration was given during the site planning of the subject site. The arrangement and spacing of buildings relative to open spaces was considered heavily to remain consistent with requirements such as the common amenity area requirements and to provide a better quality of living for future residents. Furthermore, the development proposal provides for a unique solution to develop a currently underutilized parcel by aggregating an adjacent single-family parcel rather than creating an enclave. As previously stated, the access drives have been located in a way to promote circulation and access of the unique double-frontage site. Each subobjective was weighed heavily as they relate to the specific subject site.

SEC. 34-1063 PERFORMANCE STANDARDS

The development proposal conforms with the performance standards for a Planned Development as outlined below.

Standards:

1. ***Sidewalks on both sides of a street or primary driveway, interconnected with other pedestrian-ways and/or providing access to each building.***

Response: The development proposal is proposing 5' sidewalks along the fronts of each building along with striped crosswalks to provide complete connectivity for the entire site. Sidewalks also connect to each of the public right of ways.

2. ***Consolidation of smaller parcels into a larger, unified development project.***

Response: As aforementioned, consolidation of smaller parcels into a large, unified development project was incorporated into the planned development proposal. If the request were solely to develop the unoccupied parcel, this would

result in an enclave of single-family residential.

3. ***Consolidation of driveways to eliminate curb cuts, with reciprocal easements for access; provision of access from secondary streets and alleys.***

Response: The consolidation of driveways has been provided as evidenced within the provided site plan. Access from secondary streets and alleys is not appropriate for the subject site as Townhouse units are proposed, and the size of the subject site does not allow for the use of alleys and secondary streets.

4. ***Shared parking arrangements to reduce impervious surfaces and promote efficient* use *of facilities.***

Response: As required by the Village's Parking Code, the subject site provides guest parking accommodations within the subject site. The guest parking is in one area. This consideration allows for reduced impervious area as guest parking is not over abundant and throughout all areas of the subject site. Also pervious concrete is proposed for the driveway parking spaces which will further assist in the amount of impervious surface.

5. ***Provision of sufficient parking to avoid on-street parking, unless designed with on-street spaces.***

Response: The subject site retains sufficient parking for the residential units per the Village's Code requirement of 2.5 spaces per unit. Parking spaces are provided for guest parking spaces as required by Village Code; the total parking provided is distributed throughout the development.

6. ***Pedestrian-scale street lighting along sidewalks and pedestrian ways.***

Response: Street lighting will be provided along sidewalks and pedestrian-ways to create an appropriate pedestrian scale environment.

7. ***Aggregation of open space to create common areas of sufficient size for passive/leisure activities.***

Response: The pɒposed common amenity area is proposed to remain as onewhole area located at the Northwest corner of the site. By aggregating the amenity areainto one tract rather than multiple smaller tracts throughout the subject site, the land will sufficiently be used for passive/leisure activities. It will also be easily accessible by all residents. We feel the size of the proposed amenity area is sufficient for the use of the 21 residences that are proposed. Keeping in mind that John Prince Park is within walking distance from the subject property.

8. ***Continuity of sidewalks and pathways where disconnects occur; and provision of sidewalks to usable open spaces, recreation amenities or public facilities.***

Response: As previously mentioned, crosswalks will be provided throughout the subject site to provide continuity of sidewalks and pathways where disconnects occur. The subject site has an extensive pedestrian circulation pattern which allows uninterrupted circulation from usable open spaces, recreation amenities, public facilities, and individual lots.

9. ***Residential setbacks that allow for a green, semi-private planting area between the sidewalk and house(s).***

Response: 5' Foundation planting areas have been provided along the Street side (Public ROW side) of the proposed units since it is designated as the front setback. This allows for a green, semi-private planting area between the ROW and

townhomes. Appropriate foundation planting has been planned to be incorporated into the individual units at the entries.

10. ***Promote streetscape where feasible, with maintenance agreements assigning responsibility to adjacent properties.***

    Response: Streetscape is promoted throughout the subject site where feasible. This will be achieved through the use of pedestrian scale lighting, as previously mentioned, and by proposing appropriate landscaping to provide adequate streetscape. Maintenance Responsibility will be that of the HOA. See Attached Letter.

12. ***Building stepbacks or setbacks to respect existing scale and massing of adjacent neighborhoods and promote compatibility.***

    Response: Minimum required setbacks have been provided for units abutting existing single family to the southwest. This along with a 10' required landscape buffer will provide the needed separation between the two uses. The remaining adjacent residential land uses are in line with the proposed RM zoning for the subject property.

13. ***Provision of original, self-confident building design, and prohibition of metal buildings.***

    Response: Metal buildings are not proposed as part of this development proposal. Original, self-confident building design is provided as the townhouse buildings are proposed to be contemporary modern.

14. ***Buffers between differing uses to include a masonry wall and landscaping to promote compatibility.***

    Response: A 6' Opaque fence is proposed along the entire East property line abutting the JFK Medical Center per code. This along with a 10' wide landscape buffer with trees every 20' on center will provide ample buffering and screening along the adjacent use.

15. ***Adequate vehicular circulation, traffic maintenance and/or operational measures that does not negatively impact existing roadway conditions, including avoidance of dead-end streets and t-style turnarounds.***

    Response: As aforementioned, the subject site is proposed to provide adequate vehicular circulation that does not negatively impact existing roadway conditions. Due to the oddly shaped lot, and constricted width limitations, access from all Two (2) rights of ways was needed to make the project work.

WAIVERS

Pursuant to the Planned Development Performance standards of the Village's Code, the Applicant may utilize waivers to promote the use of innovative and creative techniques and concepts. As previously mentioned, waivers are requested for the development proposal to allow relief from certain requirements. The waivers requested have been outlined within the table below and meet the waiver criteria as identified within this *Waivers* section.

WAIVER CHART

WAIVER CHART

WAIVER	WAIVER SUBJECT	CODE SECTION	REQUIRED	PROPOSED	DEVIATION
①	FRONT SETBACK	SEC. 34-766(7)	25'	20'	5'
②	MIN. LOT AREA	SEC. 34-1064(c)	3 ACRES	1.62 ACRES	1.38 ACRES
③	MIN. LOT AREA PER D/U (21 D/U'S)	SEC. 34-766(1)	186,000 S.F.	70,562 S.F.	115,438 S.F.

1. ***The request is in harmony with and is consistent with the purpose and intent of the Village's Comprehensive Plan and* Land *Development Code and that such waiver will not be injurious to the area involved or otherwise detrimental to the public health, safety, and welfare.***

Waiver 1 Response: The request to allow a 20' Front Setback is in harmony and is consistent with the purpose and intent of the Village's Comprehensive Plan and Land Development Code. It is our opinion that this will not affect the health safety and welfare of the residents or the surrounding community. By allowing the 5' relief from the Front setback, allows the project to be flexible within the tight constraints and odd shape of the subject property.

Waiver 2 Response: The request to allow to develop a lot that differs from the minimum requirement from sec 34-1064(c) on acreage size from the required minimum lot requirements is outside of the Applicant's control and will not affect the public health safety, and welfare.

Waiver 3 Response: The request to allow a reduced lot area contrary Sec 34-766(1) from the required minimum lot requirements is outside of the Applicant's control and will not affectthe public health safety, and welfare.

2. ***The request results from innovative design in which other minimum standards are exceeded.***

Waiver 1 Response: By allowing the 5' relief from the Front setback allows the project to be flexible within the tight constraints and odd shape of the subject property. The 5' relief gives an opportunity to meet and exceed other building setbacks where needed for instance along the single family residential to the south and east of the site where maximum distance is provided.

Waiver 2 Response: The request to allow a reduced lot size is not the result of innovative design. The lot is predisposed to be smaller than the required minimum and is outside of thecontrol of the applicant.

Waiver 3 Response: The request to allow a reduced lot area contrary Sec 34-766(1) from the required minimum lot requirements is outside of the Applicant's control due to size of subject property.

3. The request demonstrates that granting of the waiver will result in preservation of valuable natural resources, including drainage and recharge areas, natural areas, etc.

Waiver 1 Response: The proposed reduction in the front setback by 5' does not adversely affect natural resources, drainage or natural areas.

Waiver 2 Response: The request to allow a reduced lot size will not result in preservation of valuable natural resources. The lot is predisposed to be smaller than the required minimum and is outside of the control of the applicant.

Waiver 3 Response: The request to allow a reduced lot area contrary Sec 34-766(1) from the required minimum lot requirements is outside of the Applicant's control due to size of subject property.

4. The request demonstrates public benefits to be derived, including but not limited to such benefits as dedication of rights-of-way, extensions of pedestrian linkages outside of the project boundaries, preservation of open areas and* use *of desirable architectural, building, and site design techniques.

Waiver 1 Response: The request to allow for a 5' reduced front setback allows the applicant to provide desirable architectural buildings and site design techniques within an oddly shaped lot with restricted width.

Waiver 2 Response: The request to allow a reduced lot size does not demonstrate public benefits to be derived. The lot is predisposed to be smaller than the required minimum and is outside the control of the applicant.

Waiver 3 Response: The request to allow a reduced lot area contrary Sec 34-766(1) from the required minimum lot requirements is outside of the Applicant's control due to size of subject property.

5. ***The request provides sufficient screening and buffering to screen adjacent* uses *from adverse impacts caused by the granting of a waiver.***

Waiver 1 Response: The waiver request will provide sufficient screening and buffering to screen adjacent uses from any adverse impacts created by the reduced front setback. The lot is predisposed to be smaller than the required minimum and is outside of the control of the applicant and will not jeopardize the screening or buffering of the subject site as it relates to a decreased front setback. All required foundation and buffer landscaping will be provided.

Waiver 2 Response: The request to allow a reduced lot size does not affect screening or buffering. The lot is predisposed to be smaller than the required minimum andis outside of the control of the applicant.

Waiver 3 Response: The request to allow a reduced lot area contrary Sec 34-766(1) from the required minimum lot requirements is outside of the Applicant's control due to size of subject property. It will have no adverse effect on the screening or buffering of adjacent properties.

6. ***Economic issues may not be* used *to justify waivers.***

Waiver Response: Economic issues are not used as a justification for these requests.

7. ***The request is compatible with existing and potential* land uses *adjacent to the development site.***

Response: The request is consistent with the existing and potential land uses adjacent to the development site. A majority of the surrounding uses are residential zoned and will not generate compatibility issues. The Medical office building to the east will

provide the required landscape buffer and 6' fence which will assist in the compatibility issues.

8. Waiver requests from maximum height limitations shall further demonstrate that the additional height will not adversely impact adjacent properties and appropriate setbacks are provided as building height increases.

Response: This criterion is not applicable as a waiver is not requested from the height limitation requirements. The development proposal is currently under the maximum height threshold of three stories or 35 feet.

CONCLUSION

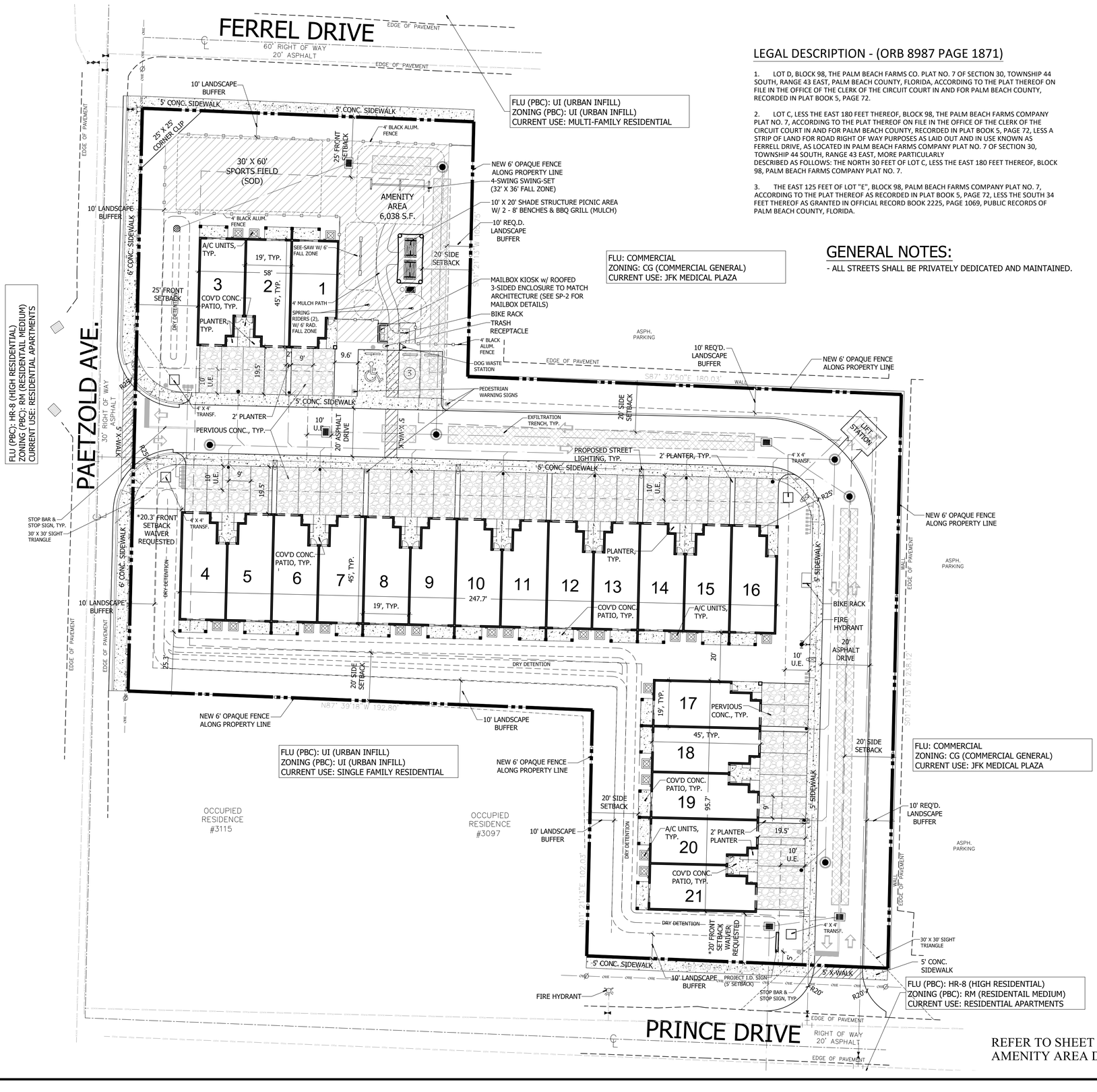
Based on the above justification and attached information, the petitioner respectfully requests approval of the Future Land Use Map Amendment, Rezoning, and Site Plan to allow a Residential Planned Development application for the subject site.

RICH PROPERTIES FL
Developer & Builder
www.Richpropertiesfl.com

Property Management Narrative
Prince Place
Village of Palm Springs, Florida
September 5th, 2021

Prince Place, a 21 Unit Townhome shall be professionally managed by Rich Properties LLC of Fort Pierce. Rich Properties' corporate office is located at 2552 Peters Road Fort Piece FL and employs over 200 people throughout the state of Florida with a major portfolio concentration of rental communities in Port Saint Lucie County and Palm Beach County. Rich Properties has an apartment rental community called "Palm Springs Apartments" in West Palm Beach with a large leasing office with a full-time staff located 10 minutes away from Prince Place and Rich Properties will manage their operation from this location as well as the corporate office. Rich Properties plans on having a 24/7 phone service line open for the tenants to call for concerns regarding maintenance, security, and anything they need.

Most of the leasing process and paperwork is done electronically from the office however when somebody wants to tour the property to rent a unit at Prince Place Rich Properties will send somebody from one of their offices to conduct the tour at Prince Place.



LEGAL DESCRIPTION - (ORB 8987 PAGE 1871)

1. LOT D, BLOCK 98, THE PALM BEACH FARMS CO. PLAT NO. 7 OF SECTION 30, TOWNSHIP 44 SOUTH, RANGE 43 EAST, PALM BEACH COUNTY, FLORIDA, ACCORDING TO THE PLAT THEREOF ON FILE IN THE OFFICE OF THE CLERK OF THE CIRCUIT COURT IN AND FOR PALM BEACH COUNTY, RECORDED IN PLAT BOOK 5, PAGE 72.

2. LOT C, LESS THE EAST 180 FEET THEREOF, BLOCK 98, THE PALM BEACH FARMS COMPANY PLAT NO. 7, ACCORDING TO THE PLAT THEREOF ON FILE IN THE OFFICE OF THE CLERK OF THE CIRCUIT COURT IN AND FOR PALM BEACH COUNTY, RECORDED IN PLAT BOOK 5, PAGE 72, LESS A STRIP OF LAND FOR ROAD RIGHT OF WAY PURPOSES AS LAID OUT AND IN USE KNOWN AS FERRELL DRIVE, AS LOCATED IN PALM BEACH FARMS COMPANY PLAT NO. 7 OF SECTION 30, TOWNSHIP 44 SOUTH, RANGE 43 EAST, MORE PARTICULARLY DESCRIBED AS FOLLOWS: THE NORTH 30 FEET OF LOT C, LESS THE EAST 180 FEET THEREOF, BLOCK 98, PALM BEACH FARMS COMPANY PLAT NO. 7.

3. THE EAST 125 FEET OF LOT "E", BLOCK 98, PALM BEACH FARMS COMPANY PLAT NO. 7, ACCORDING TO THE PLAT THEREOF AS RECORDED IN PLAT BOOK 5, PAGE 72, LESS THE SOUTH 34 FEET THEREOF AS GRANTED IN OFFICIAL RECORD BOOK 2225, PAGE 1069, PUBLIC RECORDS OF PALM BEACH COUNTY, FLORIDA.

GENERAL NOTES:

- ALL STREETS SHALL BE PRIVATELY DEDICATED AND MAINTAINED.

APPLICATION DATA:

NAME OF APPLICATION:	PRINCE PLACE
PARCEL ID:	NORTH PARCEL: 70-43-44-30-01-098-0030 CENTRAL PARCEL: 70-43-44-30-01-098-0040 SOUTH PARCEL: 70-43-44-30-01-098-0053
SITE ADDRESS:	3075 PRINCE DRIVE, PALM SPRINGS
EXISTING FUTURE LAND USE:	COMMERCIAL
PROPOSED FUTURE LAND USE:	HIGH DENSITY RESIDENTIAL (HDR)
EXISTING ZONING DESIGNATION:	COMMERCIAL GENERAL (CG)
PROPOSED ZONING DESIGNATION:	RESIDENTIAL MULTIPLE FAMILY (RM) (PUD)
HISTORIC DISTRICT:	N/A
EXISTING USE:	VACANT COMMERCIAL
PROPOSED USE:	MULTI-FAMILY RESIDENTIAL (21 UNITS)
PROPOSED DENSITY:	13.0 D.U.'S./ACRE

SITE DATA:

MIN. LOT AREA REQUIRED:	3 ACRES (130,680 S.F.)
GROSS LOT AREA:	*1.62 ACRES (70,562.05 S.F) ②
*WAIVER REUESTED	
MAX. BLDG. HEIGHT:	35' (3 STORIES)
PROPOSED BLDG. HEIGHT:	23'-5" (2 STORIES)

(BUILDING HEIGHT MEASURED FROM ADJACENT GRADE AT BASE OF BUILDING TO THE AVG. HEIGHT LEVEL BETWEEN THE EAVES AND THE ROOF RIDGE ON GABLE, HIP OR GAMBREL ROOFS).

MAX. BLDG. LOT COVERAGE ALLOWED:	40% (28,225 S.F.)
BLDG. COVERAGE PROVIDED:	26.6% (18,760.5 S.F.)
OPEN SPACE REQUIRED:	35% (24,697 S.F.)
OPEN SPACE PROVIDED:	42.1% (29,729.01 S.F.)
COMMON AMENITY AREA REQUIRED:	4,939.4 S.F. (MIN. 20% OF OPEN SPACE)
COMMON AMENITY SPACE PROVIDED:	6,038 S.F. (24.4% OF OPEN SPACE)
IMPERVIOUS AREA PROVIDED:	38,903.04 S.F. (55%)
PERVIOUS AREA PROVIDED:	*31,659.01 S.F.(45%)

*UTILIZES 25% OF PERVIOUS PARKING AREA FOR CALCULATION

SETBACKS

SETBACK	REQUIRED:	PROVIDED:
FRONT	25'	*20' ①
SIDE:	20'	20'
SIDE CORNER:	25'	25'
REAR:	20'	20'

*WAIVER REQUESTED

PARKING DATA:

PROPOSED USES (FLEX SPACE)

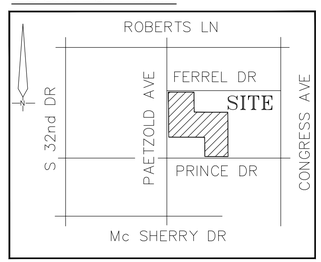
USE	UNITS	PARKING RATE	REQUIRED PARKING
MULTI-FAMILY RESIDENTIAL	21 UNITS	2.5 SP./UNIT	52.5 SPACES
GUEST PARKING		25% OF REQ'D	13 SPACES
		TOTAL PARKING REQUIRED:	66 SPACES
		TOTAL PARKING PROVIDED:	*66 SPACES
		HANDICAP SPACES REQ'D.:	**1 SPACE
		HANDICAP SPACES PROV.:	1 SPACE

*INCLUDES 1 SPACE WITHIN EACH GARAGE
**BASED ON REQUIRED GUEST SPACES

WAIVER CHART

WAIVER	WAIVER SUBJECT	CODE SECTION	REQUIRED	PROPOSED	DEVIATION
①	FRONT SETBACK	SEC. 34-766(7)	25'	20'	5'
②	MIN. LOT AREA	SEC. 34-1064(c)	3 ACRES	1.62 ACRES	1.38 ACRES
③	MIN. LOT AREA PER D/U (21 D/U'S)	SEC. 34-766(1)	8,857 S.F.	3,360 S.F.	5,497 S.F.

LOCATION MAP



REFER TO SHEET SP-2 FOR SITE & AMENITY AREA DETAILS

Site Plan

0 10' 20' 40' 60' 80'

Scale: 1" = 20'

NORTH

Litterick Landscape Architecture
LC26000489
2740 SW Martin Downs Blvd. #199
Palm City, Fl 34990
561-719-3876
JasonLA1677@yahoo.com

PRINCE PLACE

Village of Palm Springs, Florida

Project Name

Landscape Architect of Record

REGISTERED LANDSCAPE ARCHITECT JASON M. LITTERICK LA 0001677 STATE OF FLORIDA

Jason M. Litterick, RLA
(LA0001677)

Scale: 1" = 20'-0"

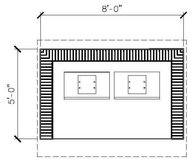
Designed:	JML
Drawn:	JML
Approved:	JML
Date:	6/1/21
Job no.	
Revisions:	6/30/21
	8/4/21
	8/19/21

Sheet No.

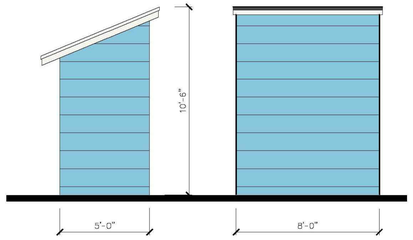
SP-1



North East Elevation



Mail Kiosk Plan

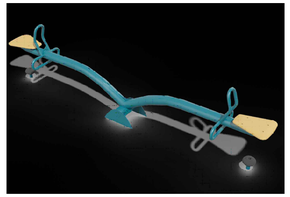


South West Elevation

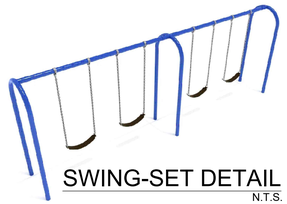
INTERIOR MAIN WALLS, C1
SHERWIN WILLIAMS
SW 7663
MONORAIL SILVER

EXTERIOR WALLS, C3
W/ STUCCO SCORE TO MATCH BLDG
SHERWIN WILLIAMS
SW 9049
SKY FALL

EXTREME METAL,
STANDING SEAM ROOFING, C7
PRE-WEATHERED GALVALUME



SEE-SAW DETAIL
N.T.S.



SWING-SET DETAIL
N.T.S.



PERVIOUS SHADE STRUCTURE
N.T.S.

NOTES (PLAYGROUND EQUIP.)

- ALL FALL ZONES SHALL BE SURFACED WITH ENGINEERED WOOD FIBER MULCH (EWF), POURED IN PLACE RUBBER SURFACING (PIP) OR PLAYGROUND GRASS (PGG)
- MINIMUM 6' FALL ZONES SHALL BE PROVIDED AROUND ALL PLAYGROUND EQUIP EXCEPT SWINGS WHERE 15' IS REQUIRED. (SEE SITE PLAN (SP-1) FOR FALL ZONES) AND SHALL BE SURFACED WITH ONE OF THE ABOVE METHODS.
- FOLLOW MANUFACTURER REQUIREMENTS FOR FALL ZONES FOR ALL PROPOSED PLAYGROUND EQUIPMENT.



SPRING RIDERS
N.T.S.



PROVIDE TWO (2) CLUSTER MAILBOXES AT SPECIFIED LOCATION ON SITE PLAN (MIN. 5 PARCEL LOCKERS)

CLUSTER MAILBOX DETAIL
N.T.S.



PICNIC TABLE DETAIL
SCALE: NOT TO SCALE

BIKE RACK DETAIL
SCALE: NOT TO SCALE

32 GAL. BLACK METAL STRAP TRASH RECEPTALE

TRASH RECEPTACLE DETAIL
N.T.S.

6' PLAZA STRAP METAL BENCH W/ BACKREST (BLACK)

BENCH DETAIL
N.T.S.

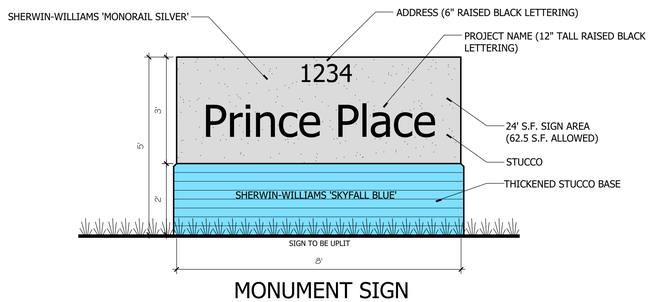


PARK STYLE GRILL ON PEDESTAL

GRILL DETAIL
N.T.S.



DOG WASTE STATION DETAIL
SCALE: NOT TO SCALE



MONUMENT SIGN
MIN. 5' SETBACK NOT TO SCALE

Site Details

Litterick Landscape Architecture
LC26000482
2740 SW Martin Downs Blvd. #199
Palm City, Fl 34990
561-719-3876
JasonLA1677@yahoo.com

PRINCE PLACE
Village of Palm Springs, Florida

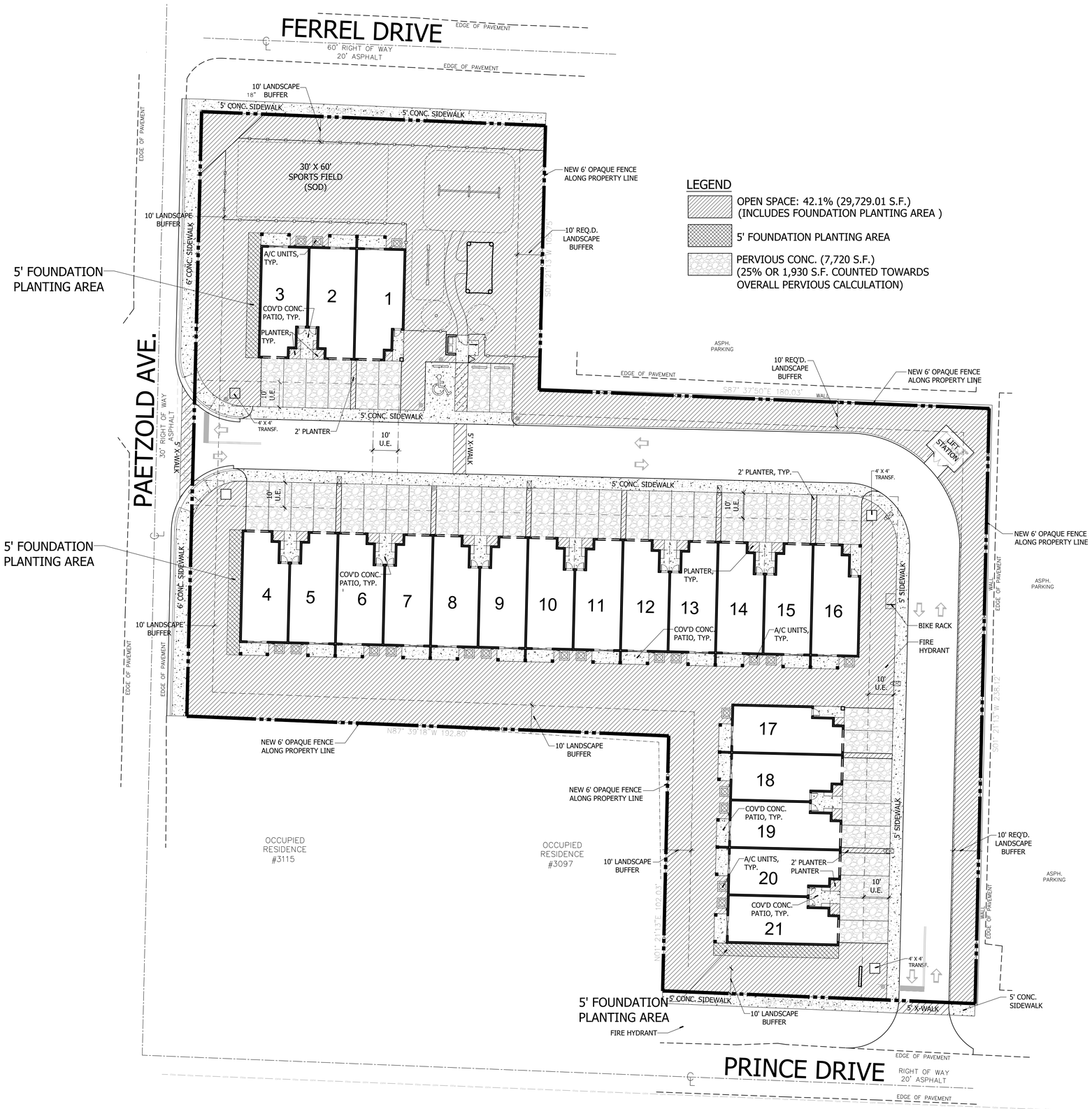
Project Name

Landscape Architect of Record
REGISTERED LANDSCAPE ARCHITECT JASON M. LITTERICK LA 0001677 STATE OF FLORIDA
Jason M. Litterick, RLA
(LA0001677)

Scale: As Noted

Designed:	JML
Drawn:	JML
Approved:	JML
Date:	6/1/21
Job no.	
Revisions:	6/30/21
	7/16/21
	8/4/21
	8/19/21

Sheet No.
SP-2



LEGEND

- OPEN SPACE: 42.1% (29,729.01 S.F.) (INCLUDES FOUNDATION PLANTING AREA)
- 5' FOUNDATION PLANTING AREA
- PERVIOUS CONC. (7,720 S.F.) (25% OR 1,930 S.F. COUNTED TOWARDS OVERALL PERVIOUS CALCULATION)

Open Space Exhibit

0 10' 20' 40' 60' 80'

Scale: 1" = 20'

NORTH

LC26000482
Litterick Landscape Architecture
2740 SW Martin Downs Blvd. #199
Palm City, Fl 34990
561-719-3876
JasonLA1677@yahoo.com

PRINCE PLACE

Village of Palm Springs, Florida

Project Name

Landscape Architect of Record

REGISTERED LANDSCAPE ARCHITECT — JASON M. LITTERICK — LA 0001677 — STATE OF FLORIDA

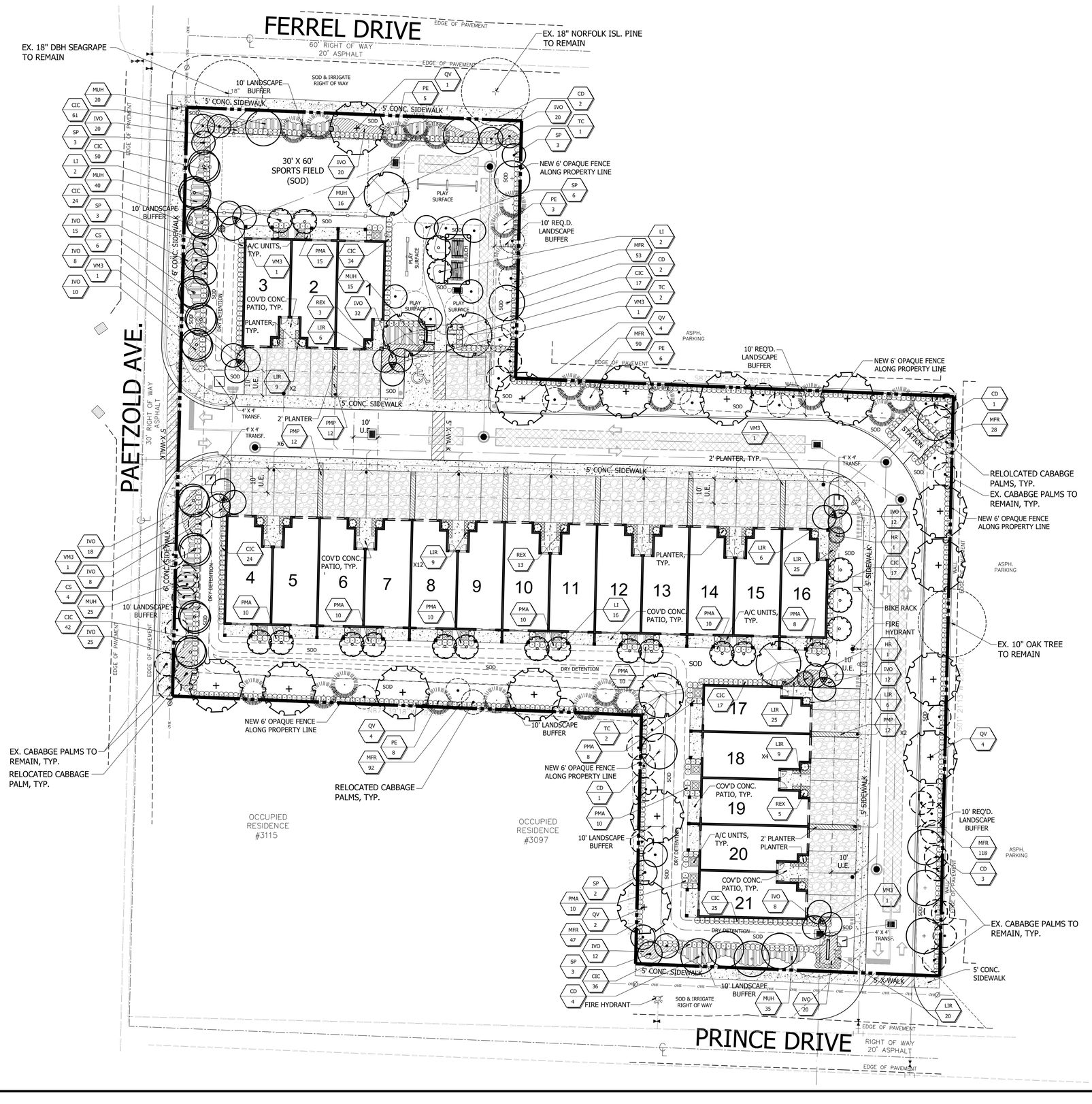
Jason M. Litterick, RLA
(LA0001677)

Scale: 1" = 20'-0"

Designed:	JML
Drawn:	JML
Approved:	JML
Date:	6/1/21
Job no.	
Revisions:	8/4/21
	8/19/21

Sheet No.

SP-3



LANDSCAPE DATA

TOTAL # OF TREES REQUIRED: 47 TREES (1/1,500 S.F. OF LOT AREA)
TOTAL # OF TREES PROVIDED: 94 TREES

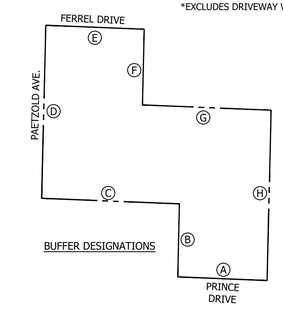
VEHICULAR USE LANDSCAPE REQUIREMENTS:

SITE AREA:	1.62 ACRES (70,562.05 S.F)
SURFACE PARKING SPACES:	50 SPACES
INT. LANDSCAPE AREA REQ'D.:	1,000 S.F. (20 S.F./PARKING SPACE)
INT. LANDSCAPE AREA PROVIDED:	1,014 S.F.
INT. TREES REQ'D.:	5 TREES (1/200 S.F. OF REQ'D INT. LAND. AREA)
INT. TREES PROVIDED:	5 TREES

PERIMETER BUFFER REQUIREMENTS:

DESIGNATION	TYPE	REQ'D WIDTH	PROVIDED WIDTH	LENGTH	REQUIRED TREES	PROVIDED TREES
A	CATEGORY 6	10'	10'	*105.02'	5 (1/20 L.F.)	5
B	CATEGORY 2	10'	10'	102.03'	5 (1/20 L.F.)	5
C	CATEGORY 2	10'	10'	192.8'	10 (1/20 L.F.)	13
D	CATEGORY 6	10'	10'	*221.9'	11 (1/20 L.F.)	12
E	CATEGORY 6	10'	10'	*111.59'	6 (1/20 L.F.)	6
F	NON-RESIDENTIAL	10'	10'	105.75'	4 (1/25 L.F.)	8
G	NON-RESIDENTIAL	10'	10'	180.03'	7 (1/25 L.F.)	12
H	NON-RESIDENTIAL	10'	10'	238.12'	10 (1/25 L.F.)	10
				TOTALS:	58 TREES	71 TREES

*EXCLUDES DRIVEWAY WIDTH



LANDSCAPE NOTES

1. ALL PLANT MATERIAL SHALL BE FLORIDA NUMBER 1 OR BETTER AS DEFINED BY THE DIVISION OF PLANT INDUSTRY 'GRADES AND STANDARDS' LATEST EDITION.

2. ALL LANDSCAPE SHALL CONFORM TO THE REQUIREMENTS OF VILLAGE OF PALM SPRINGS LAND DEVELOPMENT REGULATIONS.

3. THE LANDSCAPE CONTRACTOR SHALL NOT MAKE ANY SUBSTITUTIONS CHANGES WITHOUT THE AUTHORIZATION OF THE VILLAGE OF PALM SPRINGS, THE OWNER AND THE LANDSCAPE ARCHITECT.

4. THE LANDSCAPE CONTRACTOR SHALL REVIEW THE PROJECT DRAINAGE AND UTILITY PLANS PRIOR TO CONSTRUCTION AND AVOID ALL CONFLICTS. THE LANDSCAPE CONTRACTOR SHALL VERIFY THE LOCATION OF ALL UNDERGROUND UTILITIES PRIOR TO COMMENCING WORK.

5. THE LANDSCAPE CONTRACTOR SHALL BE RESPONSIBLE FOR ALL PERMITS.

6. ALL TREES SHALL BE LOCATED WITHIN A MULCH PLANTING BED WITH A MINIMUM OF TWO (2) FEET OF CLEARANCE TO THE EDGE OF THE BED.

7. ALL SOD SHALL BE STENOTAPHRUM SECONDATUM FLORITAM (ST. AUGUSTINE SOD).

8. ALL VEGETATION SHALL BE SELECTED AND POSITIONED SO THAT IT DOES NOT PRESENT OBSTRUCTIONS TO THE LINE OF SIGHT AT INTERSECTIONS PURSUANT TO FLORIDA DEPARTMENT OF TRANSPORTATION SIGHT LINE GUIDELINES.

9. CLEAR VISIBILITY SHALL BE MAINTAINED BETWEEN 18" AND 8' WITHIN SIGHT VISIBILITY TRIANGLES. TWENTY BY TWENTY FOOT SIGHT VISIBILITY TRIANGLES SHALL BE PROVIDED AT THE INTERSECTIONS WITH THE PUBLIC RIGHT OF WAY. IN ADDITION, ALL LANDSCAPING SHALL CONFORM TO THE REQUIREMENTS OF FDOT INDEX 546.

10. ALL LANDSCAPE ISLANDS AND BEDS WILL BE FREE OF SHELL ROCK AND CONSTRUCTION DEBRIS, EXCAVATED TO A DEPTH OF 30 INCHES OR TO CLEAN NATIVE SOILS AND FILLED WITH THE SPECIFIED BACKFILL MIXTURE.

11. ALL PROPOSED LANDSCAPE AREAS SHALL RECEIVE 100% OVERLAP COVERAGE FROM A FULLY AUTOMATIC IRRIGATION SYSTEM EQUIPPED WITH A RAIN SENSING DEVICE ACCORDING TO LOCAL AND STATE CODES. IRRIGATION WATER SHALL BE PULLED FROM A WELL SOURCE.

12. ALL ABOVE GROUND UTILITIES SHALL BE SCREENED FROM VIEW ON THREE SIDES WITH AN APPROPRIATE HEDGE MATERIAL. HEIGHT OF PLANT MATERIAL AT TIME OF INSTALLATION SHALL BE AT LEAST AS TALL AS THE UTILITY BEING SCREENED AND SHALL BE SPACED APPROPRIATELY IN ORDER TO PROVIDE COMPLETE SCREENING OF UTILITY WITHIN ONE YEAR OF INSTALLATION.

13. ALL TREES NOT LOCATED WITHIN A LANDSCAPE BED SHALL RECEIVE A 4-5' DIA. MULCH RING.

14. ALL EXOTIC AND NUISANCE VEGETATION SHALL BE REMOVED FROM SUBJECT PROPERTY PRIOR TO ANY CERTIFICATE OF OCCUPANCY.

Landscape Plan

REFER TO SHEET LP-2 FOR PLANT LIST

0 10' 20' 40' 60' 80'

Scale: 1" = 20'

NORTH

Litterick Landscape Architecture
LC26000489
2740 SW Martin Downs Blvd. #199
Palm City, Fl 34990
561-719-3876
JasonLA1677@yahoo.com

PRINCE PLACE

Village of Palm Springs, Florida

Project Name

Landscape Architect of Record

REGISTERED LANDSCAPE ARCHITECT JASON M. LITTERICK LA 0001677 STATE OF FLORIDA

Jason M. Litterick, RLA
(LA0001677)

Scale: 1" = 20'-0"

Designed:	JML
Drawn:	JML
Approved:	JML
Date:	4/2/21
Job no.	
Revisions:	4/22/21
	6/1/21
	6/30/21
	8/4/21
	8/19/21

Sheet No.

LP-1

PLANT LIST

TREES/PALMS

	SYM	QTY.	BOTANICAL NAME	COMMON NAME	HEIGHT	SPR.	NOTES:
* V	SP	20	SABAL PALMETO	CABBAGE PALM	10-18" C.T.	-	HURRICANE CUT, STAGGER HEIGHTS, SLICK TRUNK
* V	QV	15	QUERCUS VIRGINIANA	LIVE OAK	12-14' HT.	5' MIN.	2.5" CALIPER, 5' CLEAR TRUNK AT PLANTING
* V	PE	22	PINUS ELLIOTTII 'DENSA'	S. FLA. SLASH PINE	12' O.A.	5' MIN.	FULL & THICK, 2.5" CAL.
* V	CS	10	CONOCARPUS ERECTUS 'SERICEUS'	SILVER BUTTONWOOD	12' HT.	5' MIN.	FULL & THICK, SINGLE TRUNK
* V	CD	13	COCCOLOBA DIVERSIFOLIA	PIGEON PLUM	12' HT.	5' MIN.	FULL & THICK, 2.5" CAL.
M	TC	5	TABEBUIA CARAIBA	YELLOW TABEBUIA	12' HT.	5' MIN.	FULL & THICK
M	VM3	6	VEITCHIA MONTGOMERYAMA	MONTGOMERY PALM	12-18' O.A.	-	FULL & THICK, TRIPLE TRUNK
M	LI	20	LAGERSTROEMIA INDICA 'MUSKOGEE'	CRAPE MYRTLE STANDARD	12' O.A.	5' MIN.	FULL & THICK, SINGLE TRUNK STD., 6' C.T.
M	HR	2	HIBISCUS ROSA-SINENSIS	PINK HIBISCUS STD.	6-7' O.A.	3' MIN.	FULL & THICK, SINGLE TRUNK STD., 3. C.T.

SHRUBS & GROUNDCOVERS

	KEY	QTY.	BOTANICAL NAME	COMMON NAME	HEIGHT	SPR.	O.C.	REMARKS
* V	CIC	347	CHRYSOBALANUS ICACO 'RED TIP'	RED TIP COCOPLUM	36" MIN.	18" MIN.	24"	FULL & THICK TO BASE
* V	MFR	428	MYRCIANTHES FRAGRANS	SIMPSON STOPPER	36" MIN.	18" MIN.	24"	FULL & THICK TO BASE
* V	MUH	151	MUHLENBERGIA CAPPILARIS	MUHLY GRASS	#3, 18" O.A.	16"	30"	FULL & THICK TO BASE
M	PMA	111	PODOCARPUS MACROPHYLLUS	JAPANESE YEW	#7, 36" O.A.	24"	24"	FULL & THICK TO BASE
* V	IVO	240	ILEX VOMITORIA	DWF. YAUPON HOLLY	#3, 14" O.A.	14"	24"	FULL & THICK TO BASE
M	LIR	250	LIRIOPE MUSCARI	GREEN LIRIOPE	#3, 14" O.A.	14"	24"	FULL & THICK TO BASE
M	REX	21	RHAPIS EXCELSA	LADY PALM	#15, 4-5' O.A.	40"	A.S.	FULL & THICK TO BASE
M	PMP	108	PODOCARPUS MACROPHYLLUS 'PRINGLES'	DWF. PODOCARPUS	#3, 14" O.A.	14"	18-24"	FULL & THICK TO BASE

* ASTERISK DENOTES NATIVE PLANT MATERIAL
V INDICATES VERY DROUGHT TOLERANT PLANT MATERIAL
M INDICATES MODERATELY DROUGHT TOLERANT PLANT MATERIAL

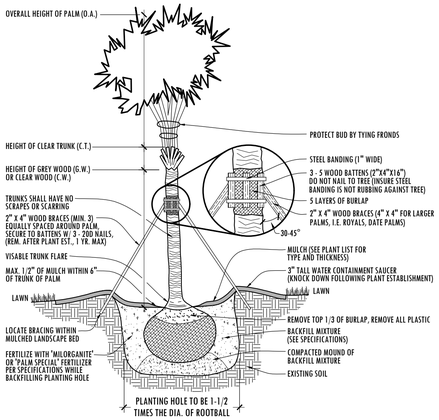
NATIVE VEGETATION CALCULATIONS
PERCENTAGE OF NATIVE TREES: 70%
PERCENTAGE OF NATIVE SHRUBS: 70%
TOTAL PERCENTAGE OF NATIVE VEGETATION: 70%

SOD: ST. AUGUSTINE 'FLORITAM'
MULCH: 3" SHREDDED MELALEUCA MULCH (OR APPROVED RECYCLED MULCH) TO BE APPLIED TO ALL PLANTING BEDS.

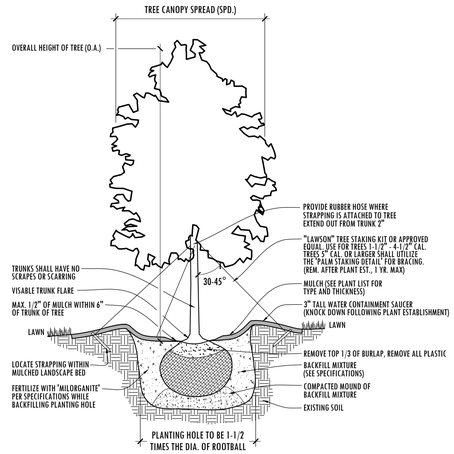
IRRIGATION NOTE:
ALL NEW LANDSCAPE AREAS SHALL BE RECEIVE 100% OVERLAP COVERAGE FROM A FULLY AUTOMATIC IRRIGATION SYSTEM EQUIPPED WITH A RAIN SENSOR.

IRRIGATION WATER SOURCE: WELL & PUMP

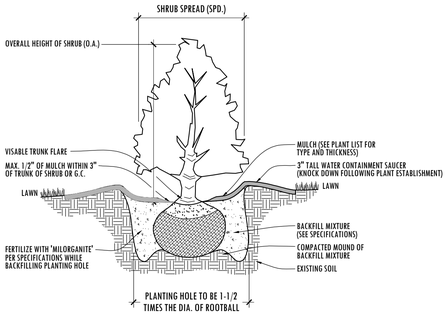
PLANTING DETAILS



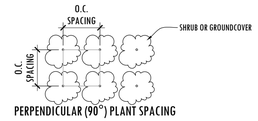
PALM PLANTING DETAIL



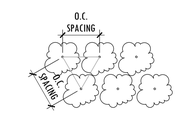
TREE PLANTING DETAIL



SHRUB & GROUNDCOVER PLANTING DETAIL



PERPENDICULAR (90°) PLANT SPACING



TRIANGULAR PLANT SPACING (RECOMMENDED)

PLANTING SPECIFICATIONS

1. SCOPE OF WORK

LANDSCAPE CONTRACT WORK INCLUDES, BUT IS NOT LIMITED TO, SOIL PREPARATION, FINE OR FINISH GRADING, FURNISHING AND INSTALLING PLANT MATERIAL, WATERING, STAKING, GUYING AND MULCHING.

ALL LABOR AND MATERIAL FOR SOIL AMENDMENTS AND FERTILIZER THAT IS REQUIRED TO INSURE THE SUCCESSFUL ESTABLISHMENT AND SURVIVAL OF THE PROPOSED VEGETATION, AS WELL AS ALL THE COST FOR THE REMOVAL OF UNSUITABLE OR EXCESS BACKFILL MATERIAL, SHALL BE INCLUDED IN THE CONTRACTOR'S BID TO PERFORM THE WORK REPRESENTED IN THIS PLAN SET.

2. QUALITY ASSURANCE

LANDSCAPE CONTRACTOR MUST BE REGULARLY ENGAGED IN THE INSTALLATION OF LIVING PLANT MATERIAL. LABOR CREWS SHALL BE CONTROLLED AND DIRECTED BY A LANDSCAPE FOREMAN WELL VERSED IN LANDSCAPE INSTALLATION, PLANT MATERIALS, READING PLANS AND COORDINATION BETWEEN THE JOB AND NURSERY.

THE LANDSCAPE CONTRACTOR AND IRRIGATION CONTRACTOR SHALL REVIEW LAYOUT AND SCHEDULING PRIOR TO INSTALLATION OF MATERIAL. MINOR ADJUSTMENT TO IRRIGATION DESIGN MAY BE MADE IN RESPONSE TO THE NEEDS OF SPECIFIC PLANT MATERIAL. THE LANDSCAPE ARCHITECT MUST BE NOTIFIED OF SUCH CHANGES.

3. MATERIALS

PLANT SIZE AND QUALITY
PLANT SPECIES AND SIZES SHALL CONFORM TO THOSE INDICATED ON THE DRAWINGS, NOMENCLATURE SHALL CONFORM TO STANDARD PLANT NAMES, 1942 EDITION. ALL NURSERY STOCK SHALL BE IN ACCORDANCE WITH GRADES AND STANDARDS FOR NURSERY PLANTS PARTS I & II, LATEST EDITION PUBLISHED BY THE FLORIDA DEPARTMENT OF AGRICULTURE AND CONSUMER SERVICES, UNLESS SPECIFIED OTHERWISE. ALL PLANTS SHALL BE FLORIDA GRADE NUMBER 1 OR BETTER AS DETERMINED BY THE FLORIDA DIVISION OF PLANT INDUSTRY. TIGHTLY KNIT PLANT, SO TRAINED OR FAVORED IN ITS DEVELOPMENT THAT FIRST APPEARANCE IS UNQUESTIONABLE AND IT IS OUTSTANDINGLY SUPERIOR IN FORM, NUMBER OF BRANCHES, COMPACTNESS AND SYMMETRY. ALL PLANTS SHALL BE FRESHLY DUG, SOUND, HEALTHY, VIGOROUS, WELL BRANCHED AND FREE OF DISEASE AND INSECT EGGS AND LARVAE AND SHALL HAVE ADEQUATE ROOT SYSTEMS. TREES AND PALMS FOR PLANTING ROWS SHALL BE UNIFORM IN SIZE AND SHAPE. ALL MATERIALS SHALL BE SUBJECT TO APPROVAL BY THE LANDSCAPE ARCHITECT. THE PLANTS FURNISHED SHALL BE NORMAL FOR THE VARIETY AND FLORIDA NUMBER 1. PLANTS SHALL BE PRUNED PRIOR TO DELIVERY ONLY UPON THE APPROVAL OF THE LANDSCAPE ARCHITECT. ALL PLANTS SHALL BE FREE OF WEEDS OR ANY OTHER OBJECTIONABLE VEGETATION.

ALL CONTAINER GROWN MATERIAL SHALL BE HEALTHY, VIGOROUS, WELL-ROOTED PLANTS AND ESTABLISHED IN THE CONTAINER IN WHICH THEY ARE SOLD. THE PLANTS SHALL HAVE TOPS OF GOOD QUALITY AND BE IN A HEALTHY GROWING CONDITION.

CONTAINER GROWN PLANTS SHALL HAVE A DEVELOPED ROOT STRUCTURE SO THAT THE ROOT MASS STAYS IN TACT WHEN REMOVED FROM CONTAINER. IN NO CASE SHALL THE PLANT CONTAIN CIRCLING ROOTS NOR BE ROOT-BOUND.

QUANTITIES
ALL QUANTITIES INDICATED ON THE PLANT LIST ARE INTENDED AS A GUIDE FOR THE BIDDERS AND DOES NOT RELIEVE THE BIDDER OF HIS RESPONSIBILITY TO DO A COMPREHENSIVE PLANT TAKE OFF. SHALL A DISCREPANCY OCCUR BETWEEN THE BIDDER'S TAKE OFF AN THE PLANT LIST QUANTITY, THE LANDSCAPE ARCHITECT IS TO BE NOTIFIED FOR CLARIFICATION PRIOR TO THE SUBMISSION OF THE BID.

MULCH
MULCH SHALL BE A SHREDDED VARIETY AS SPECIFIED IN THE PLANT LIST. ALL MULCH IS TO BE APPLIED TO A DEPTH OF 3' EXCEPT FOR THOSE SPECIFIC SITUATIONS SHOWN BELOW IN SECTION 4 AND IN PLANTING DETAILS.

FERTILIZER
FERTILIZER IN BACKFILL MIXTURE FOR ALL PLANTS SHALL CONSIST OF 'MILORGANITE' ACTIVATED SLUDGE MIXED WITH THE BACKFILL AT A RATE OF NOT LESS THAN 50 LBS. PER CUBIC YARD.

FERTILIZER FOR TREES AND SHRUBS MAY BE TABLET FORM OR GRANULAR. GRANULAR FERTILIZER SHALL BE UNIFORM IN COMPOSITION, DRY AND FREE-FLOWING. THIS FERTILIZER SHALL BE DELIVERED TO THE SITE IN THE ORIGINAL UNOPENED BAGS, EACH BEARING THE MANUFACTURER'S STATEMENT OF ANALYSIS. FERTILIZE ALL NEW PLANTINGS PER RATES SHOWN BELOW:

TREES:
FERTILIZE NEW TREES WITH 'MILORGANITE' AT THE FOLLOWING RATES:
- 8' AND SMALLER: 2-4 LBS.
- 8'-12' TALL: 4-6 LBS.
- 12' AND TALER: 6-8 LBS.

(3 CUPS = 1 LB.)

SHRUBS:
FERTILIZE NEW SHRUBS AND ACCENTS WITH 'MILORGANITE' AT THE FOLLOWING RATES:
- 4-6" POTS: ⌡ CUP
- 1 GAL.: ⌡ CUP
- 3 GAL.: ⌊ CUP
- 7-10 GAL.: 2 CUPS
- 15 GAL. AND GREATER: 3 CUPS

PALM TREES:
FERTILIZE NEW PALM TREES WITH A "PALM SPECIAL" FERTILIZER IN SLOW RELEASE FORM. FERTILIZER SHALL CONTAIN AN ADDITIONAL MAGNESIUM AND MICRO-NUTRIENT AMENDMENT

SOIL
PLANTING SOIL SHALL BE SANDY LOAM AND SHALL CONTAIN A 25% MINIMUM AMOUNT OF DECOMPOSED ORGANIC MATTER. PLANTING SOIL SHALL BE FREE OF CLAY, STONES, PLANTS, ROOTS AND OTHER FOREIGN MATERIALS WHICH MIGHT BE A HINDRANCE TO PLANTING OPERATIONS OR BE DETRIMENTAL TO GOOD PLANT GROWTH. SOIL SHALL BE DELIVERED IN A LOOSE FRIABLE CONDITION AND APPLIED IN ACCORDANCE WITH THE PLANTING SPECIFICATIONS.

ALL SHRUBS, TREES AND GROUND COVER WILL HAVE IMPROVED SOIL AS PER PLANTING SOIL NOTES. THE SOILS SHALL BE PLACED IN THE HOLE DURING PLANTING. TOP DRESSING ONLY IS NOT ACCEPTABLE.

DO NOT ALLOW AIR POCKETS TO FORM WHEN BACKFILLING. ALL TREES SHALL BE SPIKED IN UTILIZING WATER AND A TREE BAR.

WATER
WATER FOR PLANTING WILL BE AVAILABLE AT THE SITE AND WILL BE PROVIDED BY THE OWNER. LANDSCAPE CONTRACTOR SHALL NOT ASSUME THAT THE IRRIGATION SYSTEM WILL BE OPERATIONAL AT THE TIME OF PLANTING. IT IS THE RESPONSIBILITY OF THE LANDSCAPE CONTRACTOR TO PROVIDE ALL THE REQUIRED WATER NECESSARY TO MAINTAIN THE PLANT MATERIAL IN A HEALTHY GROWING CONDITION THE WATERING MAY INCLUDE DEEP WATERING OF TREES ANT THE WATERING OF SHRUB AND GROUND COVER AREAS. ANY PLANT MATERIALS THAT DIE OR THAT ARE NOT IN A HEALTHY GROWING CONDITION DUE TO LACK OF WATER SHALL BE REPLACED BY THE LANDSCAPE CONTRACTOR AT NO ADDITIONAL COST TO THE OWNER.

4. EXECUTION

FIELD GROWN TREES AND PALMS PREVIOUSLY ROOT PRUNED SHALL OBTAIN A ROOT BALL WITH SUFFICIENT ROOTS FOR CONTINUED GROWTH WITHOUT RESULTING SHOCK.

CONTRACTOR SHALL NOT MARK OR SCAR TRUNK IN ANY FASHION.

PLANTS SHALL BE WATERED AS NECESSARY OR WITHIN 24 HOURS AFTER NOTIFICATION BY THE LANDSCAPE ARCHITECT.

THE LOCATIONS OF PLANTS, AS SHOWN IN THESE PLANS, ARE APPROXIMATE. THE FINAL LOCATIONS MAY BE ADJUSTED TO ACCOMMODATE UNFORESEEN FIELD CONDITIONS. MAJOR ADJUSTMENTS TO THE LAYOUT ARE TO BE APPROVED BY THE LANDSCAPE ARCHITECT.

ALL PLASTIC FABRIC SHALL BE REMOVED FROM PLANT MATERIAL AT TIME OF INSTALLATION.

ALL TREES MUST BE STAKED AS SHOWN ON THE PLANTING DETAILS WITHIN 24 HOURS OF PLANTING. STAKES TO REMAIN FOR A MINIMUM OF 9 MONTHS, BUT NO LONGER THAN 18 MONTHS. CONTRACTOR IS RESPONSIBLE FOR MAINTENANCE AND REMOVAL OF THE STAKES.

ALL TREES MUST BE PRUNED AS PER LANDSCAPE ARCHITECT'S DIRECTION. SABAL PALMS MAY BE HURRICANE CUT.

ALL SHRUBS, TREES AND GROUND COVER WILL HAVE IMPROVED SOIL AS PER PLANTING SOIL NOTES. THE SOILS SHALL BE PLACED IN THE HOLE DURING PLANTING. TOP DRESSING ONLY IS NOT ACCEPTABLE.

DO NOT ALLOW AIR POCKETS TO FORM WHEN BACKFILLING. ALL TREES SHALL BE SPIKED IN UTILIZING WATER AND A TREE BAR.

AFTER FINAL SETTLING OF BALLED AND BURLAPED PLANTS, LOOSEN BURLAP WRAPPING EXPOSING THE TOP OF THE ROOTBALL, LEAVING THE BALL UNBROKEN. REMOVE EXCESS AMOUNTS OF BURLAP TO ELIMINATE VOIDS WHICH MAY BE CAUSED UPON DECOMPOSITION.

CONTAINER GROWN PLANTS SHALL, WHEN DELIVERED, SHALL HAVE SUFFICIENCY GROWTH TO HOLD EARTH INTACT WHEN REMOVED FROM CONTAINER AND SHALL NOT BE ROOT BOUND. PLANT PITS FOR CONTAINER MATERIALS SHALL BE FORMED FLAT ON THE BOTTOM TO AVOID AIR POCKETS AT THE BOTTOM OF ROOT BALLS AND CONTAINERS SHALL BE REMOVED CAREFULLY TO PREVENT DAMAGE TO THE PLANT OR ROOT SYSTEMS.

TEST TREE PITS WITH WATER BEFORE PLANTING TO ASSURE PROPER DRAINAGE PERCOLATION IS AVAILABLE. PITS WHICH ARE FOUND NOT TO BE ADEQUATELY DRAINING SHALL BE EXCAVATED TO A A DEPTH SUFFICIENT FOR DRAINAGE AND BACKFILLING WITH GRAVEL OR CRUSHED ROCK. NO ALLOWANCES WILL BE MADE FOR LOST PLANTS DUE TO IMPROPER DRAINAGE.

PLANTING BED PREPARATION
ALL PLANTING BEDS SHALL BE PROPERLY PREPARED PRIOR TO THE COMMENCEMENT OF ANY PLANTING. PLANTING AREAS, INCLUDING LAWNS SHALL BE FREE OF ALL WEEDS AND NUISANCE VEGETATION. IF TORPEDO GRASS (PANICUM REPENS) IS PRESENT OR ENCOUNTERED DURING PLANTING, THE LANDSCAPE CONTRACTOR SHALL STOP ALL PLANTING UNTIL IT CAN BE DEMONSTRATED THAT IT HAS BEEN COMPLETELY REMOVED OR ERADICATED. THERE SHALL BE NO EXCEPTIONS TO THIS PROVISION.

ALL LANDSCAPE ISLANDS AND BEDS WILL BE FREE OF SHELL ROCK AND CONSTRUCTION DEBRIS AND WILL BE EXCAVATED TO A DEPTH OF 30 INCHES OR TO CLEAN, NATIVE SOIL AND FILLED WITH THE SPECIFIED BACKFILL MIXTURE.

PLANTING TREES

EXCAVATE PIT AS PER PLANTING DETAILS. COMPACT LAYER OF TOPSOIL IN PIT WITH A SLIGHTLY DISHED GRADE TO CENTER.

BACKFILL AROUND BALL WITH TOPSOIL AND SLIGHTLY COMPACT, WATER THOROUGHLY AS LAYERS ARE PLACED TO ELIMINATE VOIDS AND AIR POCKETS. BUILD A 6" HIGH BERM OF TOPSOIL BEYOND EDGE OF EXCAVATION. APPLY 3" (AFTER SETTLEMENT) OF MULCH.

PRUNE TREE TO REMOVE DAMAGED BRANCHES, IMPROVE NATURAL SHAPE AND THIN OUT STRUCTURE. DO NOT REMOVE MORE THAN 15% OF BRANCHES. DO NOT PRUNE BACK TERMINAL LEADER.

GUY AND STAKE TREE IN ACCORDANCE WIT THE STAKING DETAILS IMMEDIATELY AFTER PLANTING.

PLANTING SHRUBS

LAYOUT SHRUBS TO CREATE A CONTINUOUS SMOOTH FRONT LINE AND FILL IN BEHIND.

EXCAVATE PIT OR TRENCH TO 1-1/2 TIMES THE DIAMETER OF THE BALLS OR CONTAINERS OR 1'-0" WIDER THAN THE SPREAD OF ROOTS AND 3" DEEPER THAN REQUIRED FOR POSITIONING AT PROPER HEIGHT. COMPACT A LAYER OF TOPSOIL IN BOTTOM BEFORE PLACING PLANTS. BACKFILL AROUND PLANTS WITH PLANTING MIXTURE, COMPACTED TO ELIMINATE VOIDS AND AIR POCKETS. FORM GRADE SLIGHTLY DISHED AND BERMED AT EDGES OF EXCAVATION. APPLY 3" OF MULCH.

PRUNE SHRUBS TO REMOVE DAMAGED BRANCHES, IMPROVE NATURAL SHAPE AND THIN OUT STRUCTURE. DO NOT REMOVE MORE THAN 15% OF BRANCHES.

PLANTING GROUND COVER

LOOSEN SUBGRADE TO DEPTH OF 4" IN AREAS WHERE TOPSOIL HAS BEEN STRIPPED AND SPREAD SMOOTH.

SPACE PLANTS AS OTHERWISE INDICATED. DIG HOLES LARGE ENOUGH TO ALLOW SPREADING OF ROOTS. COMPACT BACKFILL TO ELIMINATE VOIDS AND LEAVE GRADE SLIGHTLY DISHED AT EACH PLANT. WATER THOROUGHLY. APPLY 3" OF MULCH OVER ENTIRE PLANTING BED, LIFTING PLANT FOLIAGE ABOVE MULCH. PURPLE QUEEN GROUNDCOVER, IF SPECIFIED, SHALL ONLY RECEIVE 1" OF MULCH.

DURING PERIODS OF HOT SUN AND/OR WIND AT TIME OF PLANTING, PROVIDE PROTECTIVE COVER FOR SEVERAL DAYS OR AS NEEDED.

PLANTING SOD

SODDING: SOD TYPE SPECIFIED ON PLANT LIST SHALL BE MACHINE STRIPPED NOT MORE THAN 24 HOURS PRIOR TO LAYING. SOD SHALL BE FIRM, TOUGH TEXTURE, HAVING A COMPACT GROWTH OF GRASS WITH GOOD ROOT DEVELOPMENT, AND SHALL CONTAIN NO BERMUDA GRASS, WEEDS OR ANY OTHER OBJECTIONABLE VEGETATION.

LOOSEN SUBGRADE TO DEPTH OF 4" AND GRADE WITH TOPSOIL EITHER PROVIDED ON SITE OR IMPORTED TO FINISH DESIGN ELEVATIONS. IT SHALL BE THE RESPONSIBILITY OF THE LANDSCAPE CONTRACTOR TO FINISH GRADE ALL LANDSCAPE AREAS, ELIMINATING ALL BUMPS, DEPRESSIONS, STICKS, STONES AND OTHER DEBRIS. ROLL PREPARED LAWN SURFACE. WATER THOROUGHLY, BUT DO NOT CREATE MUDDY SOIL CONDITION.

FERTILIZE SOIL AT THE RATE OF APPROXIMATELY 10 LBS. PER 1,000 S.F. SPREAD FERTILIZER OVER THE AREA TO RECEIVE GRASS BY USING AN APPROVED DISTRIBUTION DEVICE CALIBRATED TO DISTRIBUTE THE APPROPRIATE QUANTITY. DO NOT FERTILIZE WHEN WIND VELOCITY EXCEEDS 15 M.P.H. THOROUGHLY MIX FERTILIZER INTO THE TOP 2" OF TOPSOIL.

LAY SOD STRIPS WITH TIGHT JOINTS, DO NOT OVERLAP, STAGGER STRIPS TO OFFSET JOINTS IN ADJACENT COURSES. WORK SIFTED SOIL MIX INTO MINOR CRACKS BETWEEN PIECES OF SOD AND REMOVE EXCESS SOIL DEPOSITS FROM SODDED AREAS. SOD ON SLOPES GREATER THAN 3:1 SHALL BE STAKED IN PLACE. ROLL OR STAMP LIGHTLY AND WATER THOROUGHLY WITH A FINE SPRAY IMMEDIATELY AFTER PLANTING.

5. MISCELLANEOUS LANDSCAPE WORK

LANDSCAPE MAINTENANCE
MAINTAIN LANDSCAPE WORK IMMEDIATELY AFTER PLANTING AND UNTIL FINAL ACCEPTANCE IS ISSUED BY THE OWNER'S REPRESENTATIVE. INCLUDE WATERING, WEEDING, CULTIVATING, RESTORATION OF GRADE, MOWING AND TRIMMING GRASS, PRUNING TREES AND SHRUBS, PROTECTION FROM INSECTS AND DISEASES, FERTILIZING AND SIMILAR OPERATIONS AS NEEDED TO INSURE NORMAL GROWTH AND GOOD HEALTH FOR LIVE PLANT MATERIAL. SETTLED PLANTS SHALL BE RESET TO PROPER GRADE, PLANTING SAUCERS RESTORED, AND DEFECTIVE WORK CORRECTED.

IN THE EVENT OF SERIOUS DAMAGE FROM INSECTS OR DISEASE PRIOR TO FINAL ACCEPTANCE, THE PLANTS SHALL BE TREATED BY PREVENTATIVE OR REMEDIAL MEASURES APPROVED FOR GOOD HORTICULTURAL PRACTICE AT NO ADDITIONAL COST TO THE OWNER.

CLEAN UP
THE LANDSCAPE CONTRACTOR SHALL AT ALL TIMES KEEP THE PREMISES FREE FROM ACCUMULATION OF WASTE MATERIALS OR DEBRIS CAUSED BY HIS CREWS DURING THE PERFORMANCE OF THE WORK. UPON COMPLETION OF THE WORK, THE CONTRACTOR SHALL PROMPTLY REMOVE ALL WASTE MATERIALS, DEBRIS, UNUSED PLANT MATERIAL, EMPTY PLANT CONTAINERS AND ALL EQUIPMENT FROM THE PROJECT SITE.

ANY SOIL, PEAT OR SIMILAR MATERIAL WHICH HAS BEEN BROUGHT ONTO ANY PAVED AREAS SHALL BE REMOVED PROMPTLY KEEPING THESE AREAS CLEAN AS THE WORK PROGRESSES. UPON COMPLETION OF THE PLANTING, ALL EXCESS SOIL, STONES AND DEBRIS WHICH HAS NOT BEEN PREVIOUSLY CLEANED UP SHALL BE REMOVED FROM THE SITE.

INSPECTION & ACCEPTANCE
THE LANDSCAPE CONTRACTOR SHALL NOTIFY THE LANDSCAPE ARCHITECT UPON COMPLETION OF THE WORK TO REQUEST A FINAL INSPECTION OF THE INSTALLATION AND PLANT MATERIALS. THE LANDSCAPE ARCHITECT AND/OR OWNER'S REPRESENTATIVE WILL NOTIFY THE LANDSCAPE CONTRACTOR OF ANY DEFICIENCIES VIA A "PUNCH LIST" WHICH SHALL BE PROMPTLY CORRECTED BY THE LANDSCAPE CONTRACTOR. CONDITIONAL LANDSCAPE ACCEPTANCE OF ALL PLANT MATERIAL AND WORKMANSHIP WILL BE GIVEN IN WRITING BY THE LANDSCAPE ARCHITECT AFTER ALL "PUNCH LIST" ITEMS HAVE BEEN CORRECTED AND ANY PLANT REPLACEMENTS MADE. THIS ACCEPTANCE WILL BEGIN THE WARRANTEE PERIOD. DEFICIENCIES NOTED AFTER THE CONDITIONAL LANDSCAPE ACCEPTANCE SHALL BE RECTIFIED DURING THE WARRANTEE PERIOD AND PRIOR TO FINAL LANDSCAPE ACCEPTANCE.

GUARANTEE AND REPLACEMENT
ALL PLANT MATERIAL AND WORKMANSHIP SHALL BE GUARANTEED BY THE LANDSCAPE CONTRACTOR FOR A PERIOD OF SIX (6) MONTHS FROM THE DATE OF CONDITIONAL LANDSCAPE ACCEPTANCE BY THE LANDSCAPE ARCHITECT. ANY PLANT MATERIAL OR WORKMANSHIP THAT IS DEFICIENT OR HAS DIED SHALL BE REPLACED AT THE SAME SPECIFICATION NOTED IN THE APPROVED LANDSCAPE PLANS. REPLACEMENTS SHALL BE MADE BY THE LANDSCAPE CONTRACTOR WITHIN TWO (2) WEEKS OF NOTIFICATION BY THE LANDSCAPE ARCHITECT OR OWNER'S REPRESENTATIVE AT NO ADDITIONAL COST TO THE OWNER. WARRANTEES OF REPLACEMENT MATERIAL SHALL BE SIX (6) MONTHS FROM THE DATE OF REPLACEMENT INSTALLATION. DEATH OR DAMAGE RESULTING FROM LIGHTNING, VANDALISM OR AUTOMOBILES OR BY NEGLIGENCE BY THE OWNER SHALL NOT BE THE RESPONSIBILITY OF THE LANDSCAPE CONTRACTOR. UNLESS OTHERWISE ARRANGED WITH THE OWNER, THE CONTRACTOR IS RESPONSIBLE FOR GENERAL PLANT MAINTENANCE INCLUDING WATERING AND MOWING UP UNTIL THE DATE OF CONDITIONAL ACCEPTANCE.

PLANT MATERIAL SUBSTITUTION

THERE WILL BE NO SUBSTITUTION OF PLANT MATERIAL UNLESS AUTHORIZED BY THE LANDSCAPE ARCHITECT AND/OR OWNER. THIS INCLUDES SPECIES AND SIZE OF PLANT MATERIAL.

Landscape Specifications & Planting Details

Litterick Landscape Architecture
LC26000489
2740 SW Martin Downs Blvd. #199
Palm City, Fl 34990
561-719-3876
JasonLA1677@yahoo.com

PRINCE PLACE
Village of Palm Springs, Florida

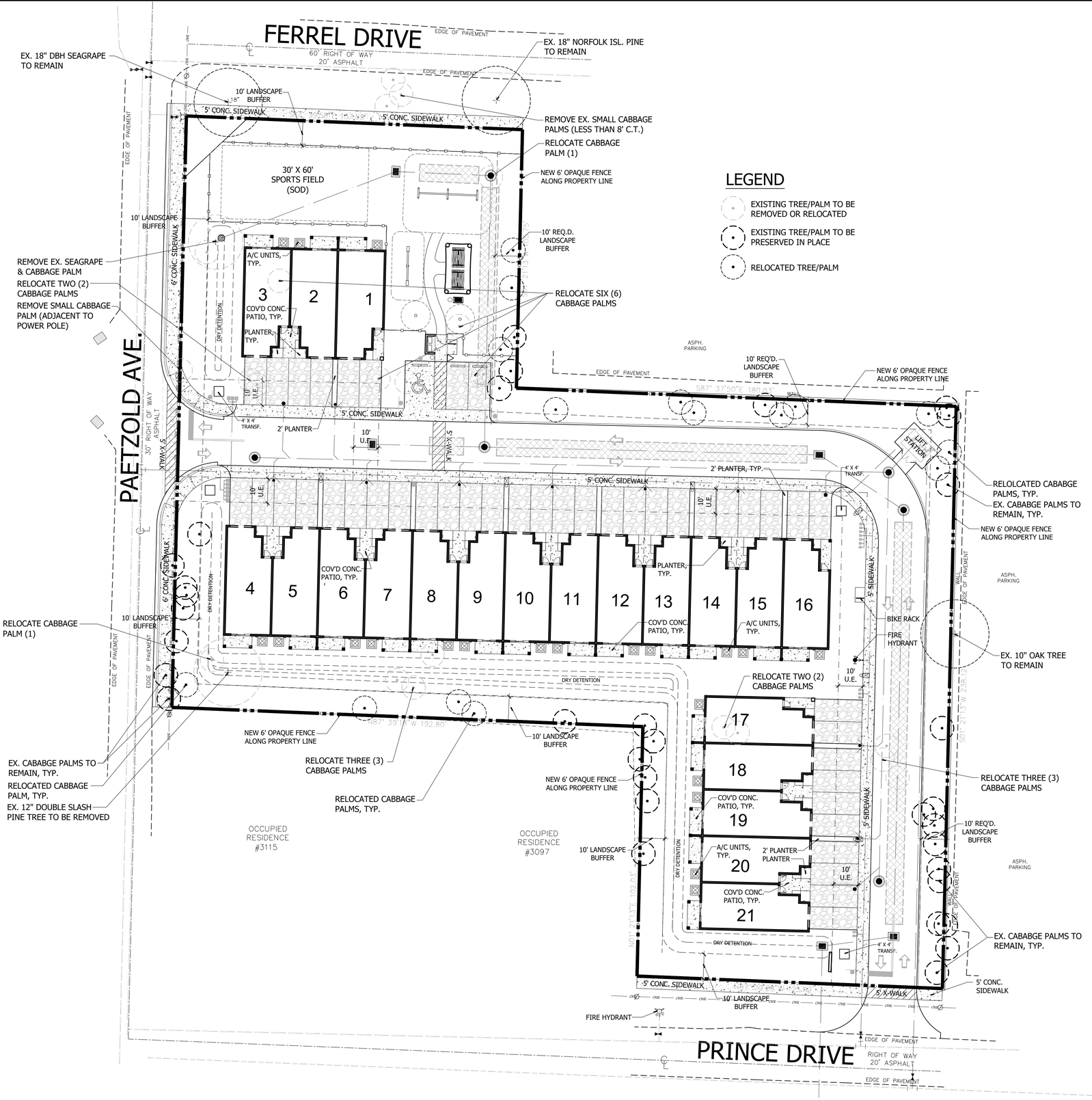
Project Name

Landscape Architect of Record
REGISTERED LANDSCAPE ARCHITECT JASON M. LITTERICK LA 0001677 STATE OF FLORIDA
Jason M. Litterick, RLA
(LA0001677)

Scale: Not to Scale

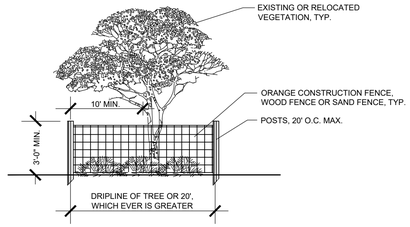
Designed:	JML
Drawn:	JML
Approved:	JML
Date:	4/2/21
Job no.	
Revisions:	4/22/21
	6/1/21
	6/30/21
	8/4/21
	8/19/21

Sheet No.
LP-2



LEGEND

- EXISTING TREE/PALM TO BE REMOVED OR RELOCATED
- EXISTING TREE/PALM TO BE PRESERVED IN PLACE
- RELOCATED TREE/PALM



FENCING OF UNDISTURBED AREAS AND/OR EXISTING TREES:

PRIOR TO THE COMMENCEMENT OF CONSTRUCTION, THE CONTRACTOR SHALL ENCLOSE THE ENTIRE UNDISTURBED AREA, OR TREE, WITHIN A FENCE OR SIMILAR BARRIER AS SHOWN. THE PLACEMENT OF SUCH BARRIER OR FENCE SHALL BE LOCATED NO CLOSER THAN THE DRIP LINE OF THE PRESERVED OR RELOCATED TREE OR A MIN. OF 10' FROM TRUNK, WHICHEVER IS GREATER. WOODEN (OR EQUIVALENT) POSTS AT LEAST 2 x 2 INCHES SHALL BE IMPLANTED IN THE GROUND DEEP ENOUGH TO BE STABLE AND WITH AT LEAST 3 FEET VISIBLE ABOVE THE GROUND. THE PROTECTIVE POSTS SHALL BE PLACED NOT MORE THAN 20 FEET APART, AND SHALL BE LINKED TOGETHER BY ORANGE NET FENCE FABRIC, OR OTHER. NO HEAVY EQUIPMENT, VEHICLES, STORAGE OF MATERIALS, ETC., SHALL OCCUR WITHIN THE VEG. PROTECTION ZONE. EXTREME CARE SHALL BE TAKEN WHEN WORKING NEAR THE BASE OF TREES. NO FINISH GRADE FILL SHALL BE PLACED WITHIN A ZONE OF 2/3 THE DIAMETER OF THE TREE CANOPY.

CONSTRUCTION WITHIN CANOPY & TREE BARRICADE SHALL BE BE DONE WITH EXTREME CARE TO MINIMIZE DISTURBANCE TO THE ROOTS BY EXCAVATING, COMPACTING OR ADDING FILL.

UTILITY WORK (TRENCHING) WITHIN THE CANOPY & TREE BARRICADE SHALL BE DONE WITH EXTREME CARE TO MINIMIZE DISTURBANCE TO THE ROOTS BY EXCAVATING, COMPACTING OR ADDING FILL. THE TREE BARRICADE WILL BE MODIFIED TEMPORARILY TO ALLOW ONLY THE MINIMUM WORK ZONE TRESPASS INTO THE CANOPY AREA, CONTINUING TO PROTECT THE REST OF THE CANOPY AREA WITH BARRICADE. NO FILL, EVEN TEMPORARY, SHALL BE PLACED IN ANY PROTECTED ZONE. AT THE CONCLUSION OF SAID ACTIVITY, THE WORKZONE SHALL BE CLEANED UP & TREE BARRICADES REPLACED TO THEIR ORIGINAL CONFIGURATION.

TREE PROTECTION DETAIL

N.T.S.

Tree Disposition Plan

0 10' 20' 40' 60' 80'

Scale: 1" = 20'

NORTH

Litterick Landscape Architecture
LC26000482
2740 SW Martin Downs Blvd. #199
Palm City, Fl 34990
561-719-3876
JasonLA1677@yahoo.com

PRINCE PLACE

Village of Palm Springs, Florida

Project Name

Landscape Architect of Record

REGISTERED LANDSCAPE ARCHITECT JASON M. LITTERICK LA 0001677 STATE OF FLORIDA

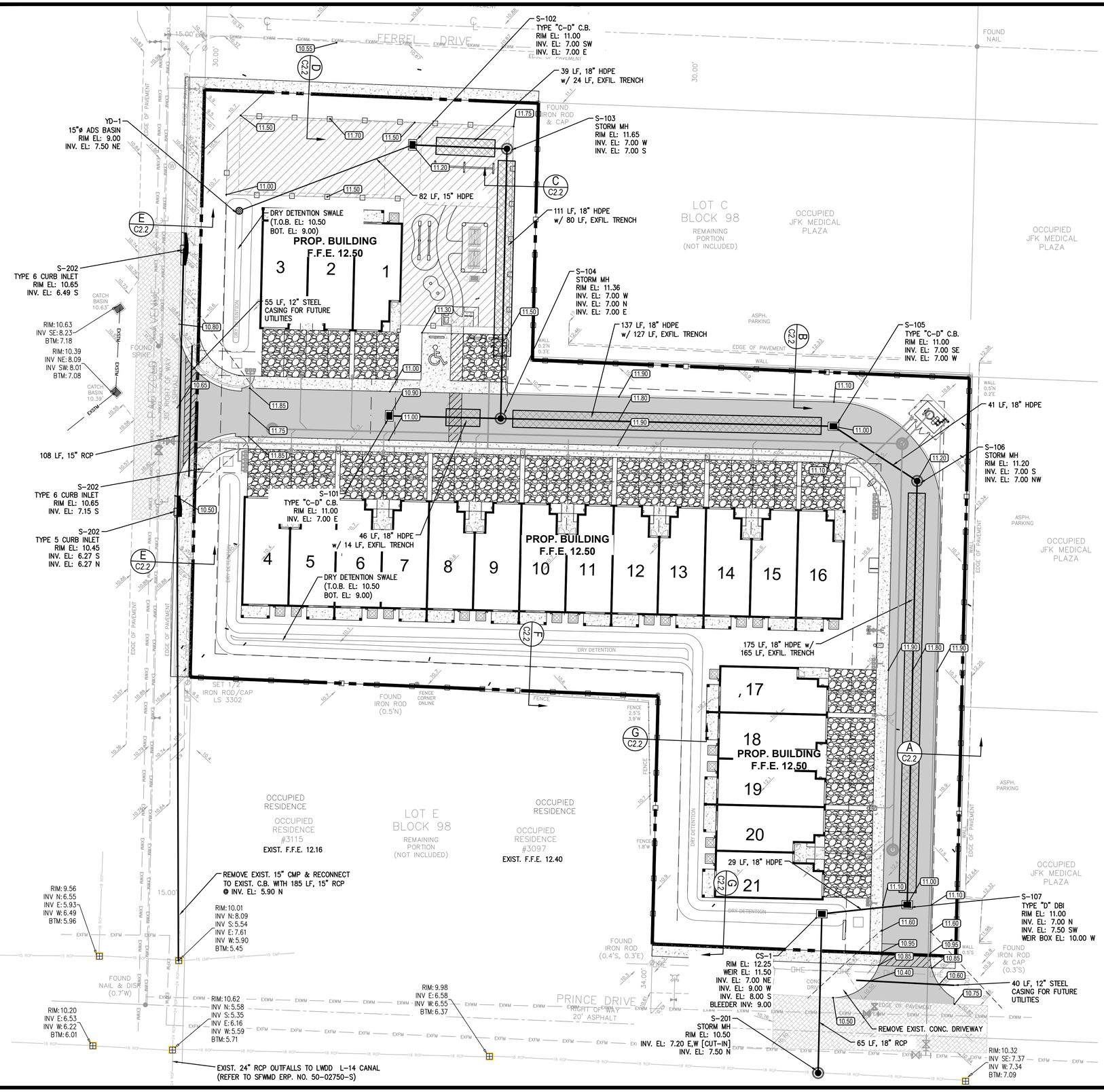
Jason M. Litterick, RLA
(LA0001677)

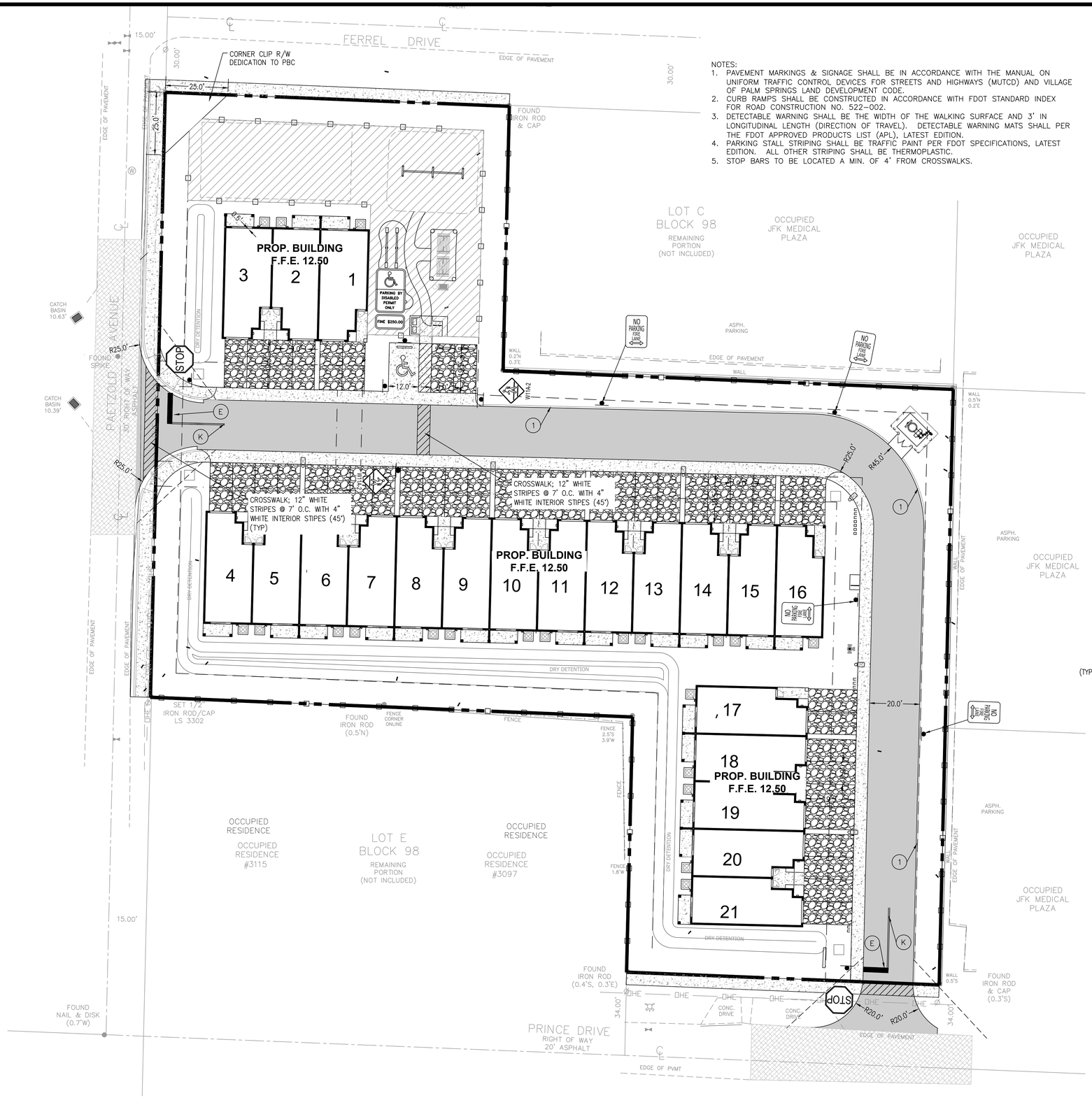
Scale: 1" = 20'-0"

Designed:	JML
Drawn:	JML
Approved:	JML
Date:	6/1/21
Job no.	
Revisions:	6/30/21
	8/4/21
	8/19/21

Sheet No.

LP-3


S-102
TYPE "C-D" C.B.
RIM EL: 11.00
INV. EL: 7.00 SW
INV. EL: 7.00 E
39 LF, 18" HDPE
w/ 24 LF, EXFIL. TRENCH
S-103
STORM MH
RIM EL: 11.65
INV. EL: 7.00 W
INV. EL: 7.00 S
YD-1
15"ø ADS BASIN
RIM EL: 9.00
INV. EL: 7.50 NE
82 LF, 15" HDPE
DRY DETENTION SWALE
(T.O.B. EL: 10.50
BOT. EL: 9.00)
PROP. BUILDING
F.F.E. 12.50
111 LF, 18" HDPE
w/ 80 LF, EXFIL. TRENCH
S-104
STORM MH
RIM EL: 11.36
INV. EL: 7.00 W
INV. EL: 7.00 N
INV. EL: 7.00 E
137 LF, 18" HDPE
w/ 127 LF, EXFIL. TRENCH
S-105
TYPE "C-D" C.B.
RIM EL: 11.00
INV. EL: 7.00 SE
INV. EL: 7.00 W
41 LF, 18" HDPE
S-106
STORM MH
RIM EL: 11.20
INV. EL: 7.00 S
INV. EL: 7.00 NW
S-202
TYPE 6 CURB INLET
RIM EL: 10.65
INV. EL: 6.49 S
55 LF, 12" STEEL
CASING FOR FUTURE
UTILITIES
108 LF, 15" RCP
S-202
TYPE 6 CURB INLET
RIM EL: 10.65
INV. EL: 7.15 S
S-202
TYPE 5 CURB INLET
RIM EL: 10.45
INV. EL: 6.27 S
INV. EL: 6.27 N
S-101
TYPE "C-D" C.B.
RIM EL: 11.00
INV. EL: 7.00 E
46 LF, 18" HDPE
w/ 14 LF, EXFIL. TRENCH
PROP. BUILDING
F.F.E. 12.50
DRY DETENTION SWALE
(T.O.B. EL: 10.50
BOT. EL: 9.00)
175 LF, 18" HDPE w/
165 LF, EXFIL. TRENCH
29 LF, 18" HDPE
PROP. BUILDING
F.F.E. 12.50
S-107
TYPE "D" DBI
RIM EL: 11.00
INV. EL: 7.00 N
INV. EL: 7.50 SW
WEIR BOX EL: 10.00 W
CS-1
RIM EL: 12.25
WEIR EL: 11.50
INV. EL: 7.00 NE
INV. EL: 9.00 W
INV. EL: 8.00 S
BLEEDER INV: 9.00
40 LF, 12" STEEL
CASING FOR FUTURE
UTILITIES
S-201
STORM MH
RIM EL: 10.50
INV. EL: 7.20 E,W [CUT-IN]
INV. EL: 7.50 N
65 LF, 18" RCP
REMOVE EXIST. CONC. DRIVEWAY
REMOVE EXIST. 15" CMP & RECONNECT
TO EXIST. C.B. WITH 185 LF, 15" RCP
@ INV. EL: 5.90 N
EXIST. 24" RCP OUTFALLS TO LWDD L-14 CANAL
(REFER TO SFWMD ERP. NO. 50-02750-S)
RIM: 10.63
INV SE: 8.23
BTM: 7.18
RIM: 10.39
INV NE: 8.09
INV SW: 8.01
BTM: 7.08
RIM: 9.56
INV N: 6.55
INV E: 5.93
INV W: 6.49
BTM: 5.96
RIM: 10.01
INV N: 8.09
INV S: 5.54
INV E: 7.61
INV W: 5.90
BTM: 5.45
RIM: 10.20
INV E: 6.53
INV W: 6.22
BTM: 6.01
RIM: 10.62
INV N: 5.58
INV S: 5.35
INV E: 6.16
INV W: 5.59
BTM: 5.71
RIM: 9.98
INV E: 6.58
INV W: 6.55
BTM: 6.37
RIM: 10.32
INV SE: 7.37
INV W: 7.34
BTM: 7.09
LOT C
BLOCK 98
REMAINING
PORTION
(NOT INCLUDED)
LOT E
BLOCK 98
REMAINING
PORTION
(NOT INCLUDED)
OCCUPIED
JFK MEDICAL
PLAZA
OCCUPIED
RESIDENCE
OCCUPIED
RESIDENCE
#3115
EXIST. F.F.E. 12.16
OCCUPIED
RESIDENCE
OCCUPIED
RESIDENCE
#3097
EXIST. F.F.E. 12.40
FERREL DRIVE
CAMBRIDGE WAY
PRINCE DRIVE
RIGHT OF WAY
20' ASPHALT
FOUND NAIL
FOUND IRON ROD & CAP
FOUND SPIKE
FOUND IRON ROD (0.5'N)
FOUND IRON ROD (0.4'S, 0.3'E)
FOUND NAIL & DISK (0.7'W)
FOUND IRON ROD & CAP (0.3'S)
SET 1/2 IRON ROD/CAP LS 3302
EDGE OF PAVEMENT
ASPH. PARKING
DRY DETENTION
FENCE
WALL
CATCH BASIN 10.63'
EXIST. CATCH BASIN 10.39'
EXIST. CATCH BASIN
EXIST. DRY DETENTION
EXIST. INLET
EXIST. MANHOLE
EXIST. CONC. POLE
EXIST. WATER METER
EXIST. FIRE HYDRANT
EXIST. WATER VALVE
EXIST. GAS VALVE
EXIST. ELECTRIC BOX
EXIST. TELEPHONE BOX
EXIST. CABLE BOX
EXIST. GUY WIRE
EXIST. SIGN
EXIST. MAILBOX
EXIST. TREE
EXIST. PALM TREE
EXIST. BUSH
EXIST. CONTOUR
EXIST. SPOT ELEVATION
EXIST. OVERHEAD UTILITY
EXIST. UNDERGROUND UTILITY
EXIST. CHAIN LINK FENCE
EXIST. WOOD FENCE
EXIST. CONCRETE WALL
EXIST. BUILDING
EXIST. ASPHALT PAVEMENT
EXIST. CONCRETE PAVEMENT
EXIST. PAVERS
EXIST. CONCRETE SIDEWALK
EXIST. CONCRETE CURB
EXIST. CONCRETE CURB & GUTTER
EXIST. ASPHALT CURB & GUTTER
EXIST. CONCRETE DRIVEWAY
EXIST. ASPHALT DRIVEWAY
EXIST. PAVERS DRIVEWAY
EXIST. CONCRETE SIDEWALK RAMP
EXIST. ASPHALT SIDEWALK RAMP
EXIST. PAVERS SIDEWALK RAMP
EXIST. CONCRETE SIDEWALK RAMP W/ DETECTABLE WARNING SURFACE
EXIST. ASPHALT SIDEWALK RAMP W/ DETECTABLE WARNING SURFACE
EXIST. PAVERS SIDEWALK RAMP W/ DETECTABLE WARNING SURFACE
EXIST. CONCRETE CROSSWALK
EXIST. ASPHALT CROSSWALK
EXIST. PAVERS CROSSWALK
EXIST. STOP BAR
EXIST. PAVEMENT MARKINGS
EXIST. HANDICAP PARKING SPACE
EXIST. PARKING SPACE
EXIST. PARKING METER
EXIST. LIGHT POLE
EXIST. TRAFFIC SIGNAL
EXIST. TRAFFIC SIGNAL CONTROL BOX
EXIST. TRAFFIC SIGNAL CONTROL CABINET
EXIST. TRAFFIC SIGNAL CONTROL BOX W/ CABINET
EXIST. TRAFFIC SIGNAL CONTROL BOX W/ CABINET & METER
EXIST. TRAFFIC SIGNAL CONTROL BOX W/ METER
EXIST. TRAFFIC SIGNAL CONTROL BOX W/ METER & CABINET
EXIST. TRAFFIC SIGNAL CONTROL BOX W/ METER & CABINET & METER
EXIST. TRAFFIC SIGNAL CONTROL BOX W/ METER & METER
EXIST. TRAFFIC SIGNAL CONTROL BOX W/ METER & METER & CABINET
EXIST. TRAFFIC SIGNAL CONTROL BOX W/ METER & METER & CABINET & METER
EXIST. TRAFFIC SIGNAL CONTROL BOX W/ METER & METER & METER
EXIST. TRAFFIC SIGNAL CONTROL BOX W/ METER & METER & METER & CABINET
EXIST. TRAFFIC SIGNAL CONTROL BOX W/ METER & METER & METER & CABINET & METER
EXIST. TRAFFIC SIGNAL CONTROL BOX W/ METER & METER & METER & METER
EXIST. TRAFFIC SIGNAL CONTROL BOX W/ METER & METER & METER & METER & CABINET
EXIST. TRAFFIC SIGNAL CONTROL BOX W/ METER & METER & METER & METER & CABINET & METER
EXIST. TRAFFIC SIGNAL CONTROL BOX W/ METER & METER & METER & METER & METER
EXIST. TRAFFIC SIGNAL CONTROL BOX W/ METER & METER & METER & METER & METER & CABINET
EXIST. TRAFFIC SIGNAL CONTROL BOX W/ METER & METER & METER & METER & METER & CABINET & METER
EXIST. TRAFFIC SIGNAL CONTROL BOX W/ METER & METER & METER & METER & METER & METER
EXIST. TRAFFIC SIGNAL CONTROL BOX W/ METER & METER & METER & METER & METER & METER & CABINET
EXIST. TRAFFIC SIGNAL CONTROL BOX W/ METER & METER & METER & METER & METER & METER & CABINET & METER
EXIST. TRAFFIC SIGNAL CONTROL BOX W/ METER & METER & METER & METER & METER & METER & METER
EXIST. TRAFFIC SIGNAL CONTROL BOX W/ METER & METER & METER & METER & METER & METER & METER & CABINET
EXIST. TRAFFIC SIGNAL CONTROL BOX W/ METER & METER & METER & METER & METER & METER & METER & CABINET & METER
EXIST. TRAFFIC SIGNAL CONTROL BOX W/ METER & METER & METER & METER & METER & METER & METER & METER
EXIST. TRAFFIC SIGNAL CONTROL BOX W/ METER & METER & METER & METER & METER & METER & METER & METER & CABINET
EXIST. TRAFFIC SIGNAL CONTROL BOX W/ METER & METER & METER & METER & METER & METER & METER & METER & CABINET & METER
EXIST. TRAFFIC SIGNAL CONTROL BOX W/ METER & METER & METER & METER & METER & METER & METER & METER & METER
EXIST. TRAFFIC SIGNAL CONTROL BOX W/ METER & METER & METER & METER & METER & METER & METER & METER & METER & CABINET
EXIST. TRAFFIC SIGNAL CONTROL BOX W/ METER & METER & METER & METER & METER & METER & METER & METER & METER & CABINET & METER
EXIST. TRAFFIC SIGNAL CONTROL BOX W/ METER & METER & METER & METER & METER & METER & METER & METER & METER & METER
EXIST. TRAFFIC SIGNAL CONTROL BOX W/ METER & METER & METER & METER & METER & METER & METER & METER & METER & METER & CABINET
EXIST. TRAFFIC SIGNAL CONTROL BOX W/ METER & METER & METER & METER & METER & METER & METER & METER & METER & METER & CABINET & METER
EXIST. TRAFFIC SIGNAL CONTROL BOX W/ METER & METER & METER & METER & METER & METER & METER & METER & METER & METER & METER
EXIST. TRAFFIC SIGNAL CONTROL BOX W/ METER & METER & METER & METER & METER & METER & METER & METER & METER & METER & METER & CABINET
EXIST. TRAFFIC SIGNAL CONTROL BOX W/ METER & METER & METER & METER & METER & METER & METER & METER & METER & METER & METER & CABINET & METER
EXIST. TRAFFIC SIGNAL CONTROL BOX W/ METER & METER & METER & METER & METER & METER & METER & METER & METER & METER & METER & METER
EXIST. TRAFFIC SIGNAL CONTROL BOX W/ METER & METER & METER & METER & METER & METER & METER & METER & METER & METER & METER & METER & CABINET
EXIST. TRAFFIC SIGNAL CONTROL BOX W/ METER & METER & METER & METER & METER & METER & METER & METER & METER & METER & METER & METER & CABINET & METER
EXIST. TRAFFIC SIGNAL CONTROL BOX W/ METER & METER & METER & METER & METER & METER & METER & METER & METER & METER & METER & METER & METER
EXIST. TRAFFIC SIGNAL CONTROL BOX W/ METER & METER & METER & METER & METER & METER & METER & METER & METER & METER & METER & METER & METER & CABINET
EXIST. TRAFFIC SIGNAL CONTROL BOX W/ METER & METER & METER & METER & METER & METER & METER & METER & METER & METER & METER & METER & METER & CABINET & METER
EXIST. TRAFFIC SIGNAL CONTROL BOX W/ METER & METER & METER & METER & METER & METER & METER & METER & METER & METER & METER & METER & METER & METER
EXIST. TRAFFIC SIGNAL CONTROL BOX W/ METER & METER & METER & METER & METER & METER & METER & METER & METER & METER & METER & METER & METER & METER & CABINET
EXIST. TRAFFIC SIGNAL CONTROL BOX W/ METER & METER & METER & METER & METER & METER & METER & METER & METER & METER & METER & METER & METER & METER & CABINET & METER
EXIST. TRAFFIC SIGNAL CONTROL BOX W/ METER & METER & METER & METER & METER & METER & METER & METER & METER & METER & METER & METER & METER & METER & METER
EXIST. TRAFFIC SIGNAL CONTROL BOX W/ METER & METER & METER & METER & METER & METER & METER & METER & METER & METER & METER & METER & METER & METER & METER & CABINET
EXIST. TRAFFIC SIGNAL CONTROL BOX W/ METER & METER & METER & METER & METER & METER & METER & METER & METER & METER & METER & METER & METER & METER & METER & CABINET & METER
EXIST. TRAFFIC SIGNAL CONTROL BOX W/ METER & METER & METER & METER & METER & METER & METER & METER & METER & METER & METER & METER & METER & METER & METER & METER
EXIST. TRAFFIC SIGNAL CONTROL BOX W/ METER & METER & METER & METER & METER & METER & METER & METER & METER & METER & METER & METER & METER & METER & METER & METER & CABINET
EXIST. TRAFFIC SIGNAL CONTROL BOX W/ METER & METER & METER & METER & METER & METER & METER & METER & METER & METER & METER & METER & METER & METER & METER & METER & CABINET & METER
EXIST. TRAFFIC SIGNAL CONTROL BOX W/ METER & METER & METER & METER & METER & METER & METER & METER & METER & METER & METER & METER & METER & METER & METER & METER & METER & METER
EXIST. TRAFFIC SIGNAL CONTROL BOX W/ METER & METER & METER & METER & METER & METER & METER & METER & METER & METER & METER & METER & METER & METER & METER & METER & METER & METER & CABINET
EXIST. TRAFFIC SIGNAL CONTROL BOX W/ METER & METER & METER & METER & METER & METER & METER & METER & METER & METER & METER & METER & METER & METER & METER & METER & METER & METER & CABINET & METER
EXIST. TRAFFIC SIGNAL CONTROL BOX W/ METER & METER & METER & METER & METER & METER & METER & METER & METER & METER & METER & METER & METER & METER & METER & METER & METER & METER & METER & METER
EXIST. TRAFFIC SIGNAL CONTROL BOX W/ METER & CABINET
EXIST. TRAFFIC SIGNAL CONTROL BOX W/ METER & CABINET & METER
EXIST. TRAFFIC SIGNAL CONTROL BOX W/ METER & METER
EXIST. TRAFFIC SIGNAL CONTROL BOX W/ METER & CABINET
EXIST. TRAFFIC SIGNAL CONTROL BOX W/ METER & CABINET & METER
EXIST. TRAFFIC SIGNAL CONTROL BOX W/ METER & METER
EXIST. TRAFFIC SIGNAL CONTROL BOX W/ METER & CABINET
EXIST. TRAFFIC SIGNAL CONTROL BOX W/ METER & CABINET & METER
EXIST. TRAFFIC SIGNAL CONTROL BOX W/ METER & METER
EXIST. TRAFFIC SIGNAL CONTROL BOX W/ METER & CABINET
EXIST. TRAFFIC SIGNAL CONTROL BOX W/ METER & CABINET & METER
EXIST. TRAFFIC SIGNAL CONTROL BOX W/ METER & METER
EXIST. TRAFFIC SIGNAL CONTROL BOX W/ METER & CABINET
EXIST. TRAFFIC SIGNAL CONTROL BOX W/ METER & CABINET & METER
EXIST. TRAFFIC SIGNAL CONTROL BOX W/ METER & METER
EXIST. TRAFFIC SIGNAL CONTROL BOX W/ METER & CABINET
EXIST. TRAFFIC SIGNAL CONTROL BOX W/ METER & CABINET & METER
EXIST. TRAFFIC SIGNAL CONTROL BOX W/ METER & METER & METER & METER & METER & METER & METER & METER & METER & METER & METER & METER & METER & METER & METER & METER & METER & METER & METER &



NOTES:

1. PAVEMENT MARKINGS & SIGNAGE SHALL BE IN ACCORDANCE WITH THE MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES FOR STREETS AND HIGHWAYS (MUTCD) AND VILLAGE OF PALM SPRINGS LAND DEVELOPMENT CODE.
2. CURB RAMPS SHALL BE CONSTRUCTED IN ACCORDANCE WITH FDOT STANDARD INDEX FOR ROAD CONSTRUCTION NO. 522–002.
3. DETECTABLE WARNING SHALL BE THE WIDTH OF THE WALKING SURFACE AND 3' IN LONGITUDINAL LENGTH (DIRECTION OF TRAVEL). DETECTABLE WARNING MATS SHALL PER THE FDOT APPROVED PRODUCTS LIST (APL), LATEST EDITION.
4. PARKING STALL STRIPING SHALL BE TRAFFIC PAINT PER FDOT SPECIFICATIONS, LATEST EDITION. ALL OTHER STRIPING SHALL BE THERMOPLASTIC.
5. STOP BARS TO BE LOCATED A MIN. OF 4' FROM CROSSWALKS.

LEGEND

- PROP. SIGN
- CURB RAMP PER FDOT INDEX NO. 522–02 (CR–X)
- PROP. CONCRETE PAVEMENT
- PROP. ASPHALT PAVEMENT
- PAVEMENT RESTORATION & RESURFACING

N W E S

0 10 20 40

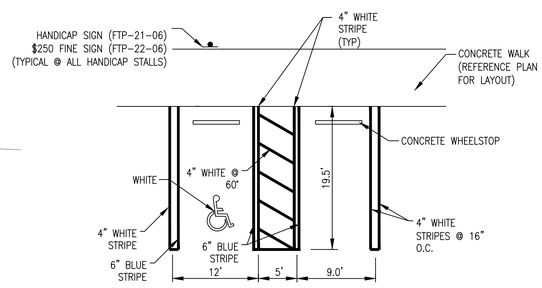
SCALE: 1" = 20'

STRIPING LEGEND

6" SOLID WHITE STRIPE	A
8" SOLID WHITE STRIPE	B
12" SOLID WHITE STRIPE	C
18" SOLID WHITE STRIPE	D
24" SOLID WHITE STRIPE	E
6" SKIP WHITE (10'–30')	F
6" SKIP WHITE (6'–10')	G
6" SKIP WHITE (2'–4')	H
6" SOLID YELLOW	I
18" SOLID YELLOW	J
6" DOUBLE YELLOW	K
6" SKIP YELLOW (10'–30')	L
6" SKIP YELLOW (6'–10')	M
6" SKIP YELLOW (2'–4')	N
RPM BI–DIRECTIONAL AMBER/AMBER	P
FDP WHITE	R
FDP YELLOW	S
RPM BI–DIRECTIONAL WHITE/RED	T
RPM BI–DIRECTIONAL RED/YELLOW	U

CURBING LEGEND

TYPE "D" CURB	1
TYPE "F" CURB & GUTTER	2
2' VALLEY GUTTER	3
12" HEADER CURB	4
DETECTABLE WARNING	5



TYPICAL 90° PARKING STALL AND HANDICAP SPACE DETAIL

NOTE: MAXIMUM 2.0% SLOPE IN ANY DIRECTION AT HANDICAP STALLS.
NOTE: ALL PARKING STRIPING SHALL BE IN ACCORDANCE WITH VILLAGE OF PALM SPRINGS LAND DEVELOPMENT CODE.

ACCESSIBILITY NOTES:

1. ACCESSIBLE ROUTES SHALL BE CONSTRUCTED TO MEET THE REQUIREMENTS OF THE FLORIDA BUILDING CODE – ACCESSIBILITY.
2. ALL WALKS CROSSING A VEHICULAR AREA SHALL HAVE DETECTABLE WARNING SURFACE (TRUNCATED DOME) IN ACCORDANCE WITH THE FLORIDA BUILDING CODE – ACCESSIBILITY.
3. CURB RAMP SLOPES AND DIMENSIONS SHALL BE IN ACCORDANCE WITH THE FLORIDA DEPARTMENT OF TRANSPORTATION (FDOT) STANDARD INDEX NO. 304. CURB RAMP DETECTABLE WARNING SURFACES SHALL BE TRUNCATED DOME AND SHALL BE IN ACCORDANCE WITH THE FLORIDA BUILDING CODE.
4. DETECTABLE WARNING SHALL BE THE WIDTH OF THE WALKING SURFACE AND 3' IN LONGITUDINAL LENGTH (DIRECTION OF TRAVEL). DETECTABLE WARNING MATS SHALL PER THE FDOT APPROVED PRODUCTS LIST (APL), LATEST EDITION.

ALL ELEVATIONS REFER TO NAVD 1988 DATUM.

McLeod • McCarthy & Associates, P.A.
Civil Engineers
The Forum III
1655 Palm Beach Lakes Blvd, Ste. 901
West Palm Beach, FL 33401
P: 561.689.9500
F: 561.689.8080
www.mcleodmccarthy.com

SEAL: TODD N. MCLEOD, P.E. FL LICENSE NO. 68178 DATE: 4/22/2021

TODD N. McLEOD, P.E. PROFESSIONAL ENGINEER, LICENSED IN THE STATE OF FLORIDA, PURSUANT TO SECTION 471.025, FLORIDA STATUTES. THIS DOCUMENT HAS BEEN ELECTRONICALLY SIGNED AND SEALED BY TODD N. McLEOD, P.E. USING A SHA-1 AUTHENTICATION CODE. PRINTED COPIES OF THIS DOCUMENT ARE NOT CONSIDERED SIGNED AND SEALED AND THE SHA-1 AUTHENTICATION CODE MUST BE VERIFIED ON ANY ELECTRONIC COPIES.

FIELD:
DRAWN: P. Saffold
DESIGNED: TNM
APPROVED: TNM

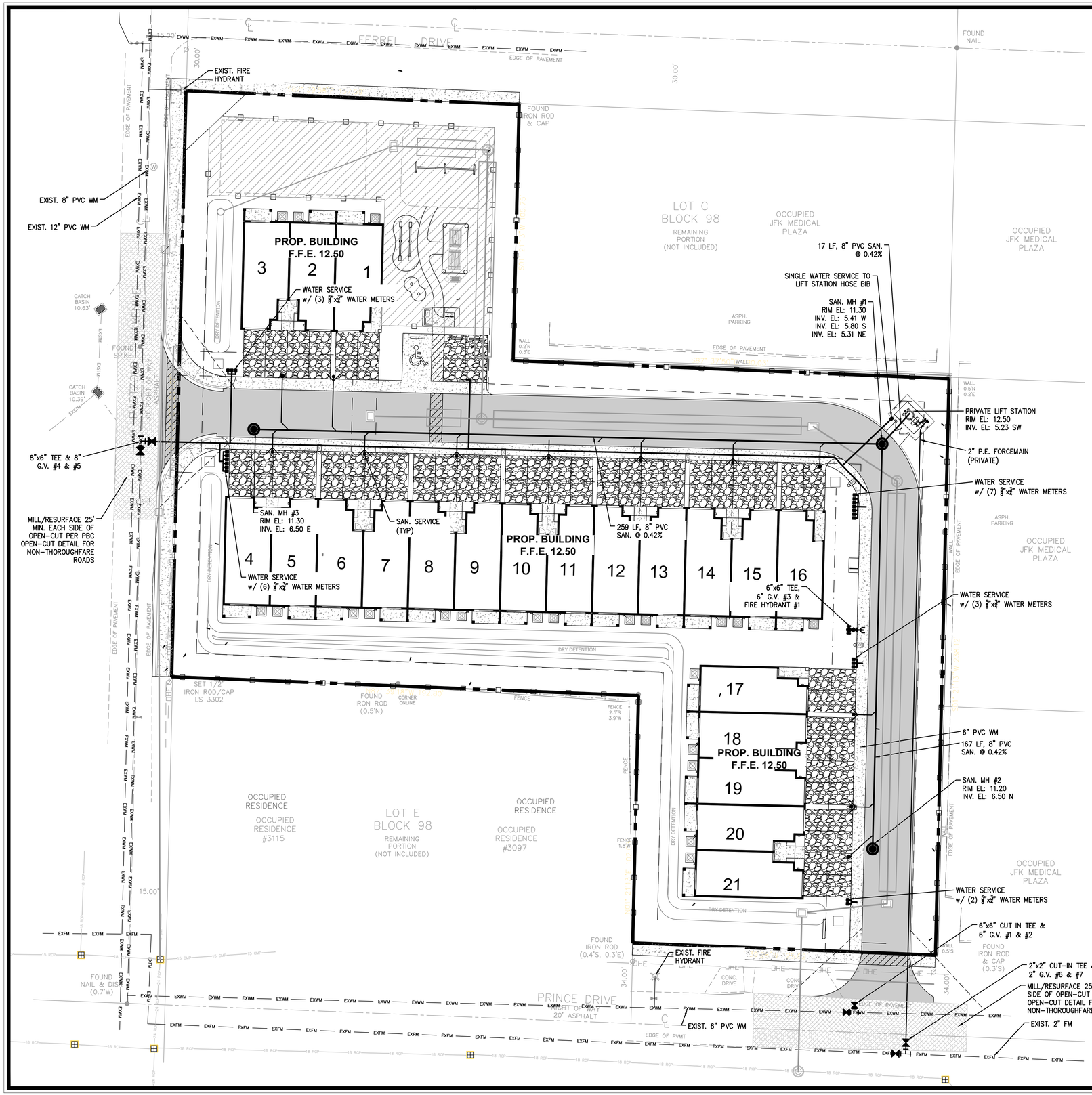
PROJECT #21-006

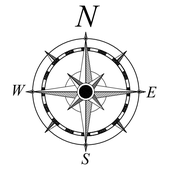
NO.	DATE	REVISIONS
4	7/28/21	REV PER NEW SITEPLAN
2	6/28/21	REV PER NEW SP & VPS COMMENTS
1	6/1/21	REV PER NEW SP & VPS COMMENTS

CONCEPTUAL STRIPING PLAN
PRINCE PLACE
RESIDENTIAL SUBDIVISION
PALM SPRINGS, FLORIDA

SCALE: AS SHOWN
DATE: 4/22/2021

SHEET C1.2 OF 19





0 10 20 40

SCALE: 1" = 20'

LEGEND

- EASEMENT LINE
- EXISTING WATER MAIN, GATE VALVE (G.V.), TEE, F.H. AND PLUG
- EXISTING SANITARY SEWER MAIN, MANHOLE AND DIRECTION OF FLOW.
- PROPOSED WATER MAIN, GATE VALVE (G.V.), BEND AND TEE WITH FIRE HYDRANT ASSEMBLY.
- PROPOSED SANITARY SEWER MAIN, SINGLE & DOUBLE SEWER SERVICE CLEAN OUT (C.O.), MANHOLE AND
- PROP. CONCRETE PAVEMENT
- PROP. FULL-DEPTH ASPHALT PAVEMENT

NOTES:
1. PRIOR TO CONSTRUCTION, IT IS THE RESPONSIBILITY OF THE CONTRACTOR TO FIELD VERIFY (ELEVATION & LOCATION) ALL EXISTING UTILITIES. ANY DISCREPANCIES SHALL BE BROUGHT TO THE ATTENTION OF THE ENGINEER PRIOR TO CONTINUATION OF WORK.
2. ALL SANITARY SEWER SHALL BE P.V.C. SDR 26 (UNLESS OTHERWISE NOTED).
3. ALL WATER MAINS & FORCE MAINS SHALL BE DIP UNLESS OTHERWISE NOTED.
4. FIRE HYDRANTS SHALL BE LOCATED A MINIMUM OF 7' AND A MAXIMUM OF 12' FROM EDGE OF PAVEMENT.
5. VALVES SHALL NOT BE PLACED IN CURBS.
6. ALL WATER AND SANITARY SERVICES SHALL BE CONSTRUCTED A MINIMUM OF 5' FROM DRAINAGE STRUCTURES.
7. MAGNETIC TAPE IS REQUIRED FOR ALL WATER & FORCE MAINS AND SHALL BE 6" WIDE, IMPRINTED WITH 2" HIGH LETTERING READING "CAUTION – WATER MAIN BURIED BELOW" OR "CAUTION – FORCE MAIN BURIED BELOW", AS REQUIRED.
8. RECORD DRAWINGS MUST HAVE DATA FOR TAP AND METER LOCATIONS FOR ALL NON-PERPENDICULAR WATER MAIN SERVICES.
9. PRESSURE TESTING AND CERTIFICATION SHALL FOLLOW CITY OF ATLANTIS UTILITIES DEPARTMENT MINIMUM ENGINEERING AND CONSTRUCTION STANDARDS, LATEST EDITION.
10. ALL WATERMAINS TO CROSS OVER SANITARY SEWER SERVICES. WHERE 18" MINIMUM CLEARANCE CANNOT BE MAINTAINED, 20 LINEAR FEET OF DUCTILE IRON WATERMAIN SHALL BE CENTERED ON THE CROSSING AND THE SEWER SERVICE SHALL BE C-900, SDR-18. IN NO CASE SHALL THERE BE LESS THAN 6" CLEARANCE.

RECORD DRAWING NOTES:
1. RECORD DRAWINGS SHALL BE PREPARED IN THE STATE PLANE COORDINATE SYSTEM.
2. ALL UTILITY FEATURES SHALL BE SHOWN IN THEIR AS-BUILT LOCATION.
3. STATE PLANE COORDINATES SHALL BE DISPLAYED ON RECORD DRAWINGS FOR ALL FEATURES SPECIFIED IN THE CITY STANDARDS.
4. STATE PLANE COORDINATES SHALL BE SHOWN ON PROPERTY CORNERS.

GENERAL WATER NOTES:
1. ALL WATER MAIN DUCTILE IRON PIPE (DIP) AND PIPE FITTINGS SHALL BE PAINTED WITH A 4" WIDE CONTINUOUS BLUE LINE THAT RUNS PARALLEL TO THE AXIS OF THE PIPE AND IS LOCATED ALONG THE TOP OF THE PIPE.
2. ALL WATER MAINS SHALL BE MARKED WITH ONE CONTINUOUS STRIP OF 6" WIDE MAGNETIC BLUE CODED TAPE IMPRINTED WITH TWO (2) INCH HIGH LETTERING READING "CAUTION – POTABLE WATER LINE BURIED BELOW" AND LOCATED APPROXIMATELY TWELVE (12) INCHES ABOVE THE CROWN OF THE PIPE. THE WORDING SHALL OCCUR EVERY THREE (3) FEET.
3. ALL WATER SERVICE BRASS ARE REQUIRED TO BE LEAD FREE.
4. ALL EXISTING CITY FACILITIES (IE VALVES) TO BE OPERATED BY CITY PERSONNEL ONLY.

GENERAL SEWER NOTES:
1. ON-SITE SEWER LATERALS ARE PRIVATELY OWNED AND MAINTAINED UP TO POINT-OF-SERVICE CLEANOUT AT PROPERTY LINE.
2. SEWER CLEANOUT MINI-MANHOLES ARE REQUIRED ON ALL CLEANOUTS WITHIN PAVEMENT AREAS.

ALL ELEVATIONS REFER TO NAVD 1988 DATUM.

McLeod • McCarthy & Associates, P.A.
Civil Engineers
The Forum III
1655 Palm Beach Lakes Blvd, Ste. 901
West Palm Beach, FL 33401
P: 561.689.9500
F: 561.689.8080
www.mcleodmccarthy.com

SEAL: TODD N. MCLEOD, P.E. LICENSE NO. 30535 STATE OF FLORIDA PROFESSIONAL ENGINEER

TODD N. MCLEOD, P.E.
FL LICENSE NO. 30535
DATE: 8/27/21

TODD N. MCLEOD, P.E. PROFESSIONAL ENGINEER, LICENSED IN THE STATE OF FLORIDA, PURSUANT TO CHAPTER 471, FLORIDA STATUTES. USING A SHA-1 AUTHENTICATION CODE.
THIS DOCUMENT HAS BEEN ELECTRONICALLY SIGNED AND SEALED BY TODD N. MCLEOD, P.E. ON THE DATE ADJACENT TO THE SHA-1 AUTHENTICATION CODE. PRINTED COPIES OF THIS DOCUMENT ARE NOT CONSIDERED SIGNED AND SEALED AND THE SHA-1 AUTHENTICATION CODE MUST BE VERIFIED ON ANY ELECTRONIC COPIES.

FIELD:
DRAWN: P. Saffold
DESIGNED: TNM
APPROVED: TNM

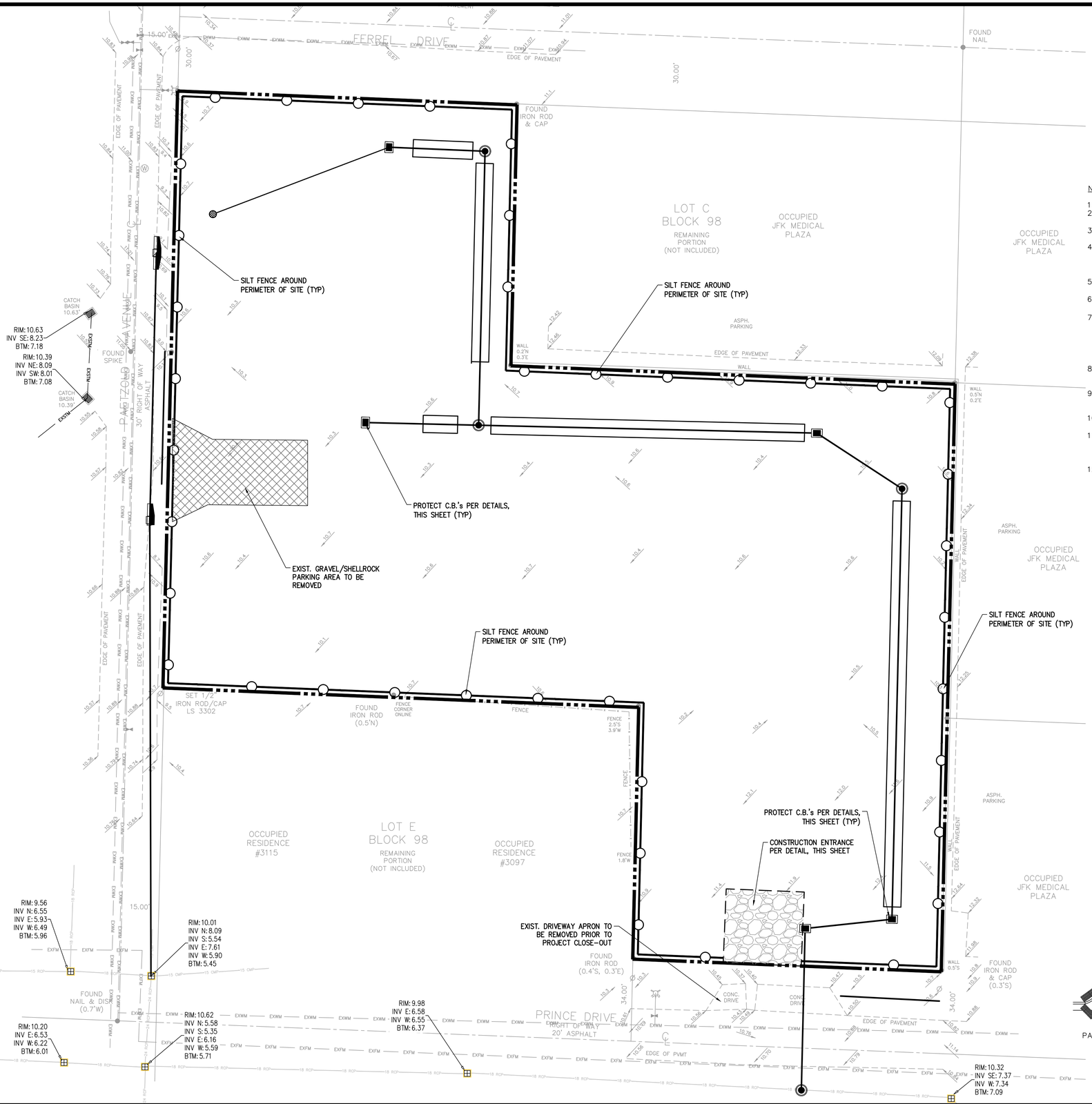
PROJECT #21-006

NO.	DATE	REVISIONS
4	7/28/21	REV PER NEW SITEPLAN
3	6/28/21	REV PER NEW SP & VPS COMMENTS
2	6/1/21	REV PER NEW SP & VPS COMMENTS
1		

CONCEPTUAL WATER & WASTEWATER PLAN
PRINCE PLACE
RESIDENTIAL SUBDIVISION
PALM SPRINGS, FLORIDA

SCALE: AS SHOWN
DATE: 4/22/2021

SHEET
C1.3
OF 19

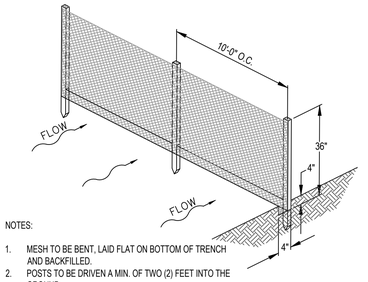


EXIST. & PROPOSED INLET GRATES WRAPPED WITH FILTER FABRIC DURING CONSTRUCTION.

INLET PROTECTION
N.T.S.

NOTES:

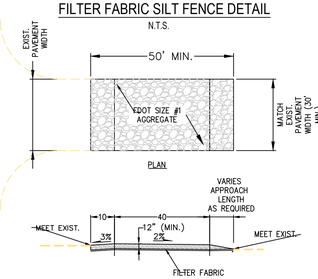
1. PROTECT EXISTING AND PROPOSED INLETS DURING CONSTRUCTION.
2. SWEEP ROADS AND CONSTRUCTION SITE PERIODICALLY TO REMOVE CONSTRUCTION DEBRIS AND SEDIMENT.
3. STORM DRAINAGE (EXIST. & PROP.) TO BE SEDIMENT AND SILT FREE DURING CONSTRUCTION AND AT FINAL SITE WALK THROUGH.
4. ALL EXISTING CURBING, PAVEMENT, CONCRETE & BASEROCK TO BE REMOVED IN THEIR ENTIRETY WHERE INDICATED. BACKFILL WITH CLEAN, SUITABLE MATERIAL APPROPRIATE TO THE FUTURE APPLICATION AND IN COMPLIANCE WITH THE RESPECTIVE REQUIREMENTS (i.e. STRUCTURAL BUILDING FILL, LANDSCAPE FILL, PARKING LOT SUBGRADE).
5. EXISTING BASEROCK MAY NOT BE REUSED FOR PROPOSED PARKING LOT. HOWEVER, IT MAY BE USED FOR SUBGRADE STABILIZATION.
6. ALL EXISTING DRAINAGE PIPE & STRUCTURES WITHIN BOUNDARY TO REMAIN (UNLESS OTHERWISE NOTED).
7. DEMOLITION LIMITS ARE SHOWN FOR THE CONTRACTOR'S REFERENCE ONLY. ADDITIONAL DEMOLITION MAY BE REQUIRED & SHALL BE CONSIDERED INCIDENTAL TO THE CONSTRUCTION OF REQUIRED IMPROVEMENTS. IT IS THE CONTRACTOR'S RESPONSIBILITY TO FAMILIARIZE HIMSELF WITH THE SITE & ALL REQUIRED DEMOLITION PRIOR TO BID SUBMITTAL. ALL DEMOLISHED/REMOVED MATERIALS SHALL BE PROPERLY DISPOSED OF BY THE CONTRACTOR IN ACCORDANCE WITH ALL APPLICABLE REGULATORY REQUIREMENTS.
8. UTILITIES AND STORM DRAINAGE MAY NOT BE ABANDONED IN PLACE UNLESS SPECIFICALLY STATED WITHIN THESE PLANS AND PREVIOUSLY APPROVED BY THE APPLICABLE GOVERNING AGENCIES AND THE ENGINEER OF RECORD.
9. DISTURBED GRASSED AREAS SHALL BE RESODDED & RESTORED PRIOR TO PROJECT TURN-OVER. RESTORATION AND RESODDING SHALL BE CONSIDERED INCIDENTAL TO THE CONSTRUCTION OF REQUIRED IMPROVEMENTS.
10. ALL AREAS DISTURBED, DAMAGED, OR DEGRADED BY THE CONTRACTOR SHALL BE RESTORED TO PRE-CONSTRUCTION CONDITION OR BETTER.
11. IT IS THE CONTRACTOR'S RESPONSIBILITY TO COMPLY WITH ALL REQUIREMENTS OF THE FDEP NPDES PERMIT FOR STORMWATER DISCHARGE FROM LARGE & SMALL CONSTRUCTION ACTIVITIES AND THE STORMWATER POLLUTION PREVENTION PLAN (SWPPP). ALL DISCHARGE FROM DEWATERING OPERATIONS SHALL BE CONTAINED ON-SITE.
12. REFER TO LANDSCAPE PLANS FOR TREE PRESERVATION OR REMOVAL.



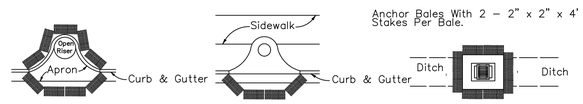
NOTES:

1. MESH TO BE BENT, LAID FLAT ON BOTTOM OF TRENCH AND BACKFILLED.
2. POSTS TO BE DRIVEN A MIN. OF TWO (2) FEET INTO THE GROUND.
3. SILT FENCE TO BE PLACED ALL AROUND CLEARING PERIMETERS.

FILTER FABRIC SILT FENCE DETAIL
N.T.S.



CONSTRUCTION ACCESS DETAIL
N.T.S.



PROTECTION AROUND INLETS OR SIMILAR STRUCTURES
CONTRACTOR TO PROTECT ALL STM STRUCTURES FROM SEDIMENTATION DURING CONSTRUCTION.
N.T.S.

ALL ELEVATIONS REFER TO NAVD 1988 DATUM.

McLeod • McCarthy & Associates, P.A.
Civil Engineers
The Forum III
1655 Palm Beach Lakes Blvd, Ste. 901
West Palm Beach, FL 33401
P: 561.689.9500
F: 561.689.8080
www.mcleodmccarthy.com

SEAL
TODD N. MCLEOD, P.E.
FL LICENSE NO. 68116 (FL CA 0012 30535)

TODD N. McLEOD, P.E. PROFESSIONAL ENGINEER, LICENSED IN THE STATE OF FLORIDA, PURSUANT TO SECTION 471.025, FLORIDA STATUTES. USING A SHA-1 AUTHENTICATION CODE. THIS DOCUMENT HAS BEEN ELECTRONICALLY SIGNED AND SEALED BY THE PROFESSIONAL ENGINEER LISTED ABOVE USING A SHA-1 AUTHENTICATION CODE. PRINTED COPIES OF THIS DOCUMENT ARE NOT CONSIDERED SIGNED AND SEALED AND THE SHA-1 AUTHENTICATION CODE MUST BE VERIFIED ON ANY ELECTRONIC COPIES.

FIELD:
DRAWN: P. Saffold
DESIGNED: TNM
APPROVED: TNM

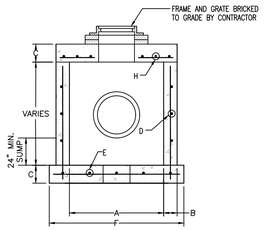
PROJECT #21-006

NO.	REVISIONS	DATE

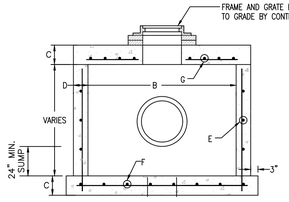
PRELIMINARY EROSION CONTROL PLAN
PRINCE PLACE
RESIDENTIAL SUBDIVISION
PALM SPRINGS, FLORIDA

SCALE: AS SHOWN
DATE: 4/22/2021

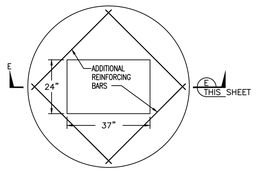
SHEET
C1.4
OF 19



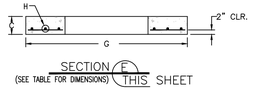
CATCH BASIN
(SEE TABLE FOR DIMENSIONS)



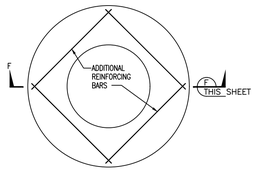
CATCH BASIN
(SEE TABLE FOR DIMENSIONS)



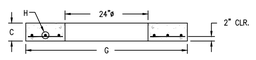
TOP SLAB FOR CATCH BASIN



SECTION E THIS SHEET
(SEE TABLE FOR DIMENSIONS)



TOP SLAB FOR MANHOLE



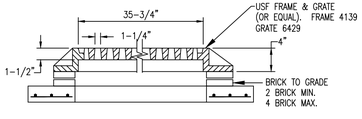
SECTION F THIS SHEET
(SEE TABLE FOR DIMENSIONS)

A	B	C	D	E* C.C.E.W.	F	G	H* C.C.E.W.
3'-6"ø	4"	8"	ASTM C-478	#4 @ 12"	4'-8"ø	4'-2"ø	#4 @ 6"
3'-6"ø	6"	8"	ASTM C-478	#4 @ 12"	5'-0"ø	4'-6"ø	#4 @ 6"
4'ø	6"	8"	ASTM C-478	#4 @ 12"	6'-0"ø	5'-0"ø	#4 @ 6"
4'ø	8"	8"	ASTM C-478	#4 @ 12"	6'-4"ø	5'-4"ø	#4 @ 6"
5'-0"ø	8"	8"	ASTM C-478	#5 @ 12"	7'-4"ø	6'-4"ø	#5 @ 8"
6'-0"ø	6"	8"	ASTM C-478	#5 @ 6"	8'-0"ø	7'-0"ø	#5 @ 6"
6'-0"ø	8"	8"	ASTM C-478	#5 @ 6"	8'-4"ø	7'-4"ø	#5 @ 6"
7'-0"ø	8"	8"	ASTM C-478	#5 @ 6"	9'-4"ø	8'-4"ø	#5 @ 6"
8'-0"ø	10"	10"	ASTM C-478	#5 @ 6"	10'-8"ø	9'-8"ø	#6 @ 6"
10'-0"ø	12"	12"	ASTM C-478	#5 @ 6"	12'-0" SQ.	12'-0"ø	#6 @ 6"

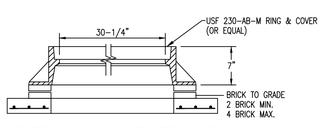
INLET NOTES

BEVELED EDGES: ALL EXPOSED CORNERS AND EDGES TO BE CHAMFERED 3/4".
FOUNDATION MATERIAL: WHERE MATERIAL UNSATISFACTORY FOR FOUNDATION IS ENCOUNTERED, ALL SUCH MATERIAL MUST BE REMOVED DOWN TO SATISFACTORY MATERIAL AND BACKFILLED TO SUBGRADE WITH CLEAN SAND.
INLET TYPES: INLETS ARE TO BE CONSTRUCTED TO THE DIMENSIONS SHOWN HEREON. INLETS RECEIVING PIPE LARGER THAN 42" DIAMETER SHALL BE IN ACCORDANCE WITH F.D.O.T. STANDARDS
MATERIAL: INLET WALLS AND BASES MAY EITHER BE CAST-IN-PLACE CLASS I, 2500 P.S.I. CONCRETE OR PRECAST CLASS II, 4000 (MIN.) P.S.I. CONCRETE.

CIRCULAR CATCH BASIN (ON-SITE)



ON-SITE INLET FRAME & GRATE
(TYPE "C-D" INLET)



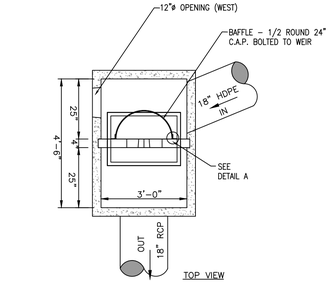
ON-SITE MANHOLE FRAME & COVER
NTS

A	B	C	D	E*	F*	G*
3'-6"	3'-6"	8"	6"	#4 @ 12"	#4 @ 9"	#4 @ 6"
4'-0"	4'-0"	8"	6"	#4 @ 12"	#4 @ 9"	#4 @ 6"
4'-10"	5'-0"	8"	8"	#4 @ 12"	#5 @ 12"	#5 @ 6"
6'-0"	6'-0"	8"	8"	#4 @ 12" V #4 @ 6" H	#6 @ 12"	#6 @ 6"
8'-0"	8'-0"	10"	8"	#4 @ 12" V #4 @ 6" H	#6 @ 12"	#6 @ 6"
10'-0"	10'-0"	10"	8"	#4 @ 12" V #4 @ 6" H	#6 @ 6"	#7 @ 6"
3'-0"	4'-6"	8"	8"	#4 @ 12"	#4 @ 12"	#4 @ 6"
3'-6"	6'-0"	8"	8"	#4 @ 12" V #4 @ 6" H	#5 @ 12"	#5 @ 6"
4'-0"	6'-0"	8"	8"	#4 @ 12" V #4 @ 6" H	#5 @ 12"	#5 @ 6"
3'-6"	8'-0"	8"	8"	#4 @ 12" V #4 @ 6" H	#5 @ 12"	#5 @ 6"
4'-0"	8'-0"	8"	8"	#4 @ 12" V #4 @ 6" H	#5 @ 12"	#5 @ 6"
5'-0"	7'-0"	8"	8"	#4 @ 12" V #4 @ 6" H	#5 @ 12"	#5 @ 6"
6'-0"	8'-0"	8"	8"	#4 @ 12" V #4 @ 6" H	#6 @ 12"	#6 @ 6"
6'-0"	12'-0"	8"	8"	#4 @ 12" V #4 @ 6" H	#6 @ 12"	#6 @ 6"

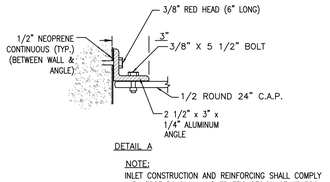
INLET NOTES

BEVELED EDGES: ALL EXPOSED CORNERS AND EDGES TO BE CHAMFERED 3/4".
FOUNDATION MATERIAL: WHERE MATERIAL UNSATISFACTORY FOR FOUNDATION IS ENCOUNTERED, ALL SUCH MATERIAL MUST BE REMOVED DOWN TO SATISFACTORY MATERIAL AND BACKFILLED TO SUBGRADE WITH CLEAN SAND.
INLET TYPES: INLETS ARE TO BE CONSTRUCTED TO THE DIMENSIONS SHOWN HEREON. INLETS RECEIVING PIPE LARGER THAN 42" DIAMETER SHALL BE IN ACCORDANCE WITH F.D.O.T. STANDARDS
MATERIAL: INLET WALLS AND BASES MAY EITHER BE CAST-IN-PLACE CLASS I, 2500 P.S.I. CONCRETE OR PRECAST CLASS II, 4000 (MIN.) P.S.I. CONCRETE.

RECTANGULAR CATCH BASIN (ON-SITE)

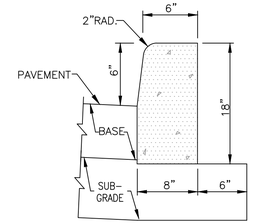


TOP VIEW

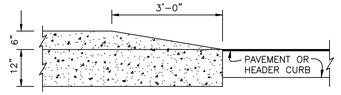


DETAIL A

NOTE:
INLET CONSTRUCTION AND REINFORCING SHALL COMPLY WITH FDOT ROADWAY AND TRAFFIC DESIGN STANDARDS, INDEX 425-001 (CURRENT EDITION)

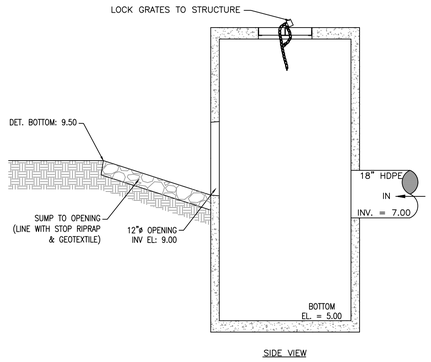


TYPE "D" CURB
N.T.S.

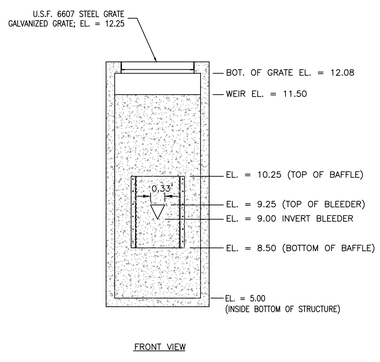


NOTE:
WHEN CURB TRANSITIONS ARE ADJACENT TO SIDEWALK THE TRANSITION MUST BE 12:1

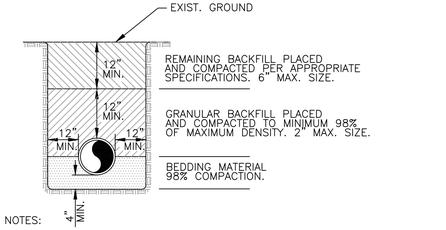
TRANSITION CURB TAPER DETAIL
N.T.S.



SIDE VIEW

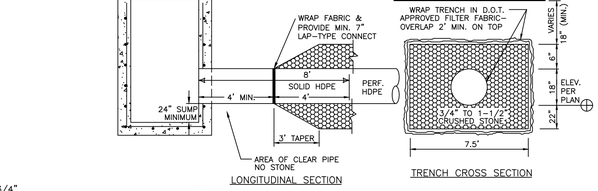


FRONT VIEW



NOTES:
1. BEDDING SHALL CONSIST OF IN-SITU GRANULAR MATERIAL OR WASHED AND GRADED LIMEROCK 3/8" - 7/8" SIZING. UNSUITABLE IN-SITU MATERIALS SUCH AS MUCK, DEBRIS AND LARGER ROCK SHALL BE REMOVED.
2. THE PIPE SHALL BE FULLY SUPPORTED FOR ITS ENTIRE LENGTH WITH APPROPRIATE COMPACTION UNDER THE PIPE HAUNCHES.
3. THE PIPE SHALL BE PLACED IN A DRY TRENCH.
4. BACKFILL SHALL BE FREE OF UNSUITABLE MATERIALS SUCH AS LARGER ROCK, MUCK AND DEBRIS.
5. SEE GENERAL NOTES FOR PIPE BACKFILL BENEATH PROPOSED PAVEMENT.

TRENCH DETAIL
N.T.S.

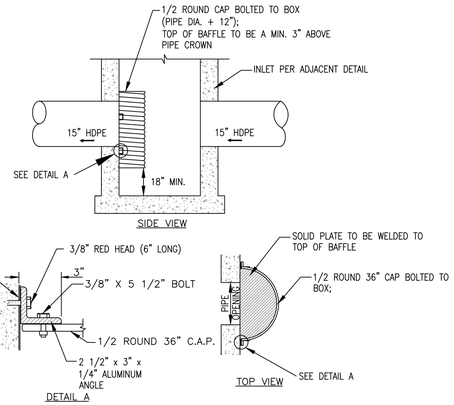


LONGITUDINAL SECTION

TRENCH CROSS SECTION

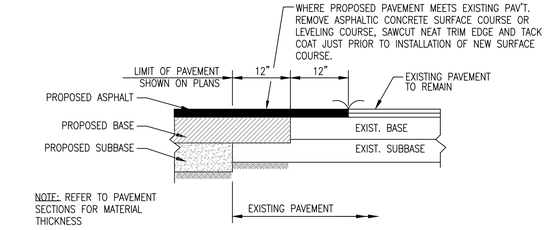
NOTES: COMPACT TRENCH BACKFILL AND SOIL WITHIN MIN. 5' OF TRENCH TO MIN. 98% OF MAX. DRY DENSITY PER ASTM D-1557.

ON-SITE EXFILTRATION TRENCH DETAIL
N.T.S.



NOTE: BAFFLE TO BE USED ON ALL PIPE INVERTS CONNECTING TO EXFILTRATION TRENCH.

POLLUTION RETARDANT BAFFLE (PRB) DETAIL
N.T.S.



PAVEMENT MATCHING DETAIL
N.T.S.

PAVEMENT SECTION REQUIREMENTS			
TYPE	WEARING SURFACE	BASE	SUB-GRADE
ASPHALT PAVEMENT (ON-SITE)	2" THICK SP-9.5 A.C.S.C. (2-LIFTS)	8" THICK LIMEROCK BASE (LBR 100) COMPACTED TO 98% AASHTO T-180 DENSITY & PLACED IN4" MAX. LIFTS.	12" THICK, COMPACTED TO 98% MAXIMUM DRY DENSITY A.A.S.H.T.O. T-180
PERVIOUS CONCRETE (ON-SITE)	6" THICK PERVIOUS CONCRETE (4,000 PSI MIN.) PER ACI 522R	4" THICK AGGREGATE RESERVOIR LAYER COMPRISED OF NO. 57 STONE PROOF ROLLED TO OBTAIN REQ'D PVMT. THICKNESS	NON-WOVEN GEOTEXTILE FABRIC OVER 12" COMPACTED SUBGRADE COMPACTED TO 92% AASHTO T-180. COMPACTED SUBGRADE SHALL HAVE PERMEABILITY OF 1/2"/HR PER ASTM D 3385
SIDEWALKS	SIDEWALK: 4" THICK CONCRETE (3,000 PSI). CONCRETE TO BE BROOM FINISHED WITH EVEN, DUSTLESS SURFACE. CONTROL JOINTS TO BE SPACED 5' ON CENTER. ISOLATION JOINTS REQUIRED WHERE SIDEWALK ABUTS BUILDING, EXISTING PAVEMENT, OR OTHER STRUCTURES.		

ALL ELEVATIONS REFER TO NAVD 1988 DATUM.

McLeod • McCarthy & Associates, P.A.
Civil Engineers
The Forum III
1655 Palm Beach Lakes Blvd, Ste. 901
West Palm Beach, FL 33401
P: 561.689.9500
F: 561.689.8080
www.mcleodmccarthy.com

SEAL
TODD N. MCLEOD, P.E.
FL LICENSE NO. 87221
STATE OF FLORIDA

FIELD:
DRAWN: P. Saffold
DESIGNED: TNM
APPROVED: TNM

PROJECT #:21-006

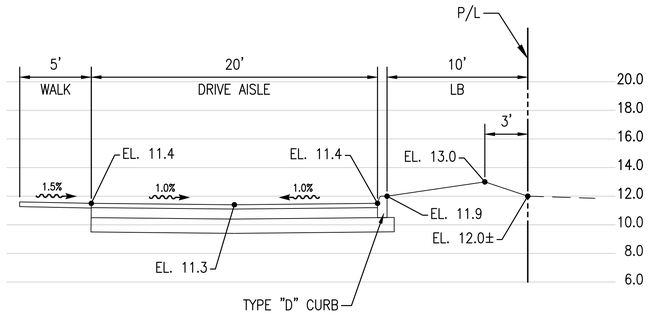
TODD N. McLEOD, P.E. PROFESSIONAL ENGINEER, LICENSED IN THE STATE OF FLORIDA, HEREBY CERTIFY THAT I AM RESPONSIBLE FOR AND HAVE SUPERVISED THE PREPARATION OF USING A SHA-1 AUTHENTICATION CODE. THIS DOCUMENT HAS BEEN ELECTRONICALLY SIGNED AND SEALED BY THE UNDERSIGNED AND DIGITAL AUTHENTICATION CODE. PRINTED COPIES OF THIS DOCUMENT ARE NOT CONSIDERED SIGNED AND SEALED AND THE SHA-1 AUTHENTICATION CODE MUST BE VERIFIED ON ANY ELECTRONIC COPIES.

NO.	DATE	REVISIONS
2	6/28/21	REV PER NEW SP & VPS COMMENTS
1	6/1/21	REV PER NEW SP & VPS COMMENTS

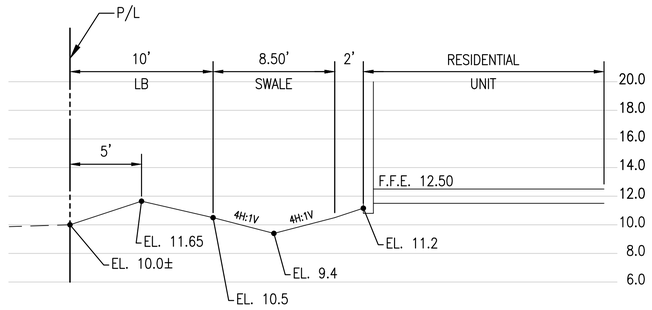
PRELIMINARY ENGINEERING DETAILS
PRINCE PLACE
RESIDENTIAL SUBDIVISION
PALM SPRINGS, FLORIDA

SCALE: AS SHOWN
DATE: 4/22/2021

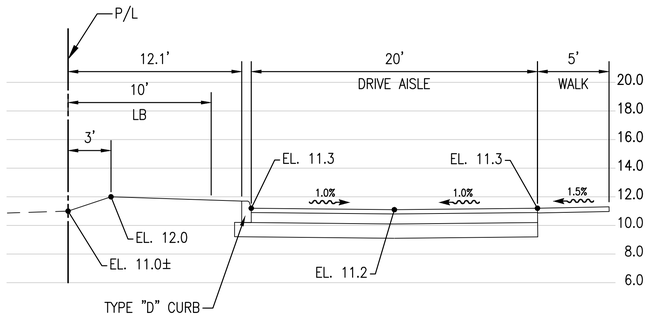
SHEET
C2.1
OF 19



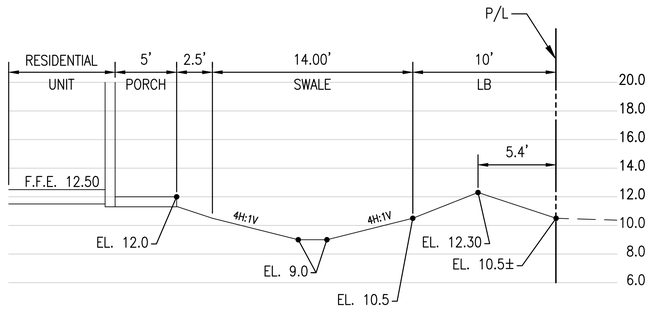
SECTION A
(SEE SHEET C1.1) NTS



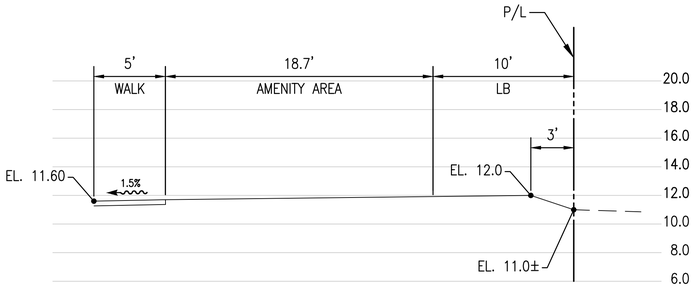
SECTION E
(SEE SHEET C1.1) NTS



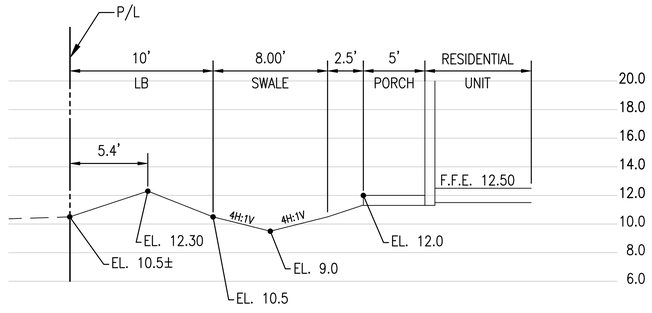
SECTION B
(SEE SHEET C1.1) NTS



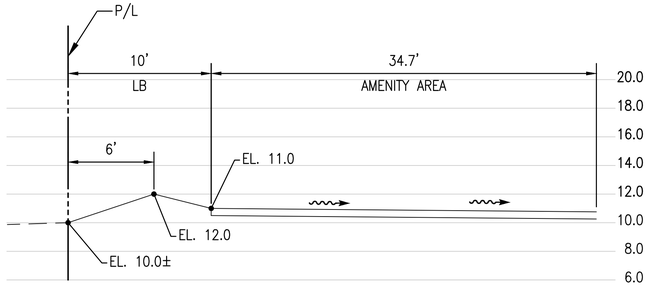
SECTION F
(SEE SHEET C1.1) NTS



SECTION C
(SEE SHEET C1.1) NTS



SECTION G
(SEE SHEET C1.1) NTS



SECTION D
(SEE SHEET C1.1) NTS

ALL ELEVATIONS REFER TO NAVD 1988 DATUM.

McLeod • McCarthy & Associates, P.A.
Civil Engineers
The Forum III
1655 Palm Beach Lakes Blvd, Ste. 901
West Palm Beach, FL 33401
P: 561.689.9500
F: 561.689.8080
www.mcleodmccarthy.com

SEAL
TODD N. MCLEOD, P.E.
FL LICENSE NO. 66181 CA 0029535
DATE: 6/28/21

FIELD:
DRAWN: P. Saffold
DESIGNED: TNM
APPROVED: TNM

PROJECT #21-006

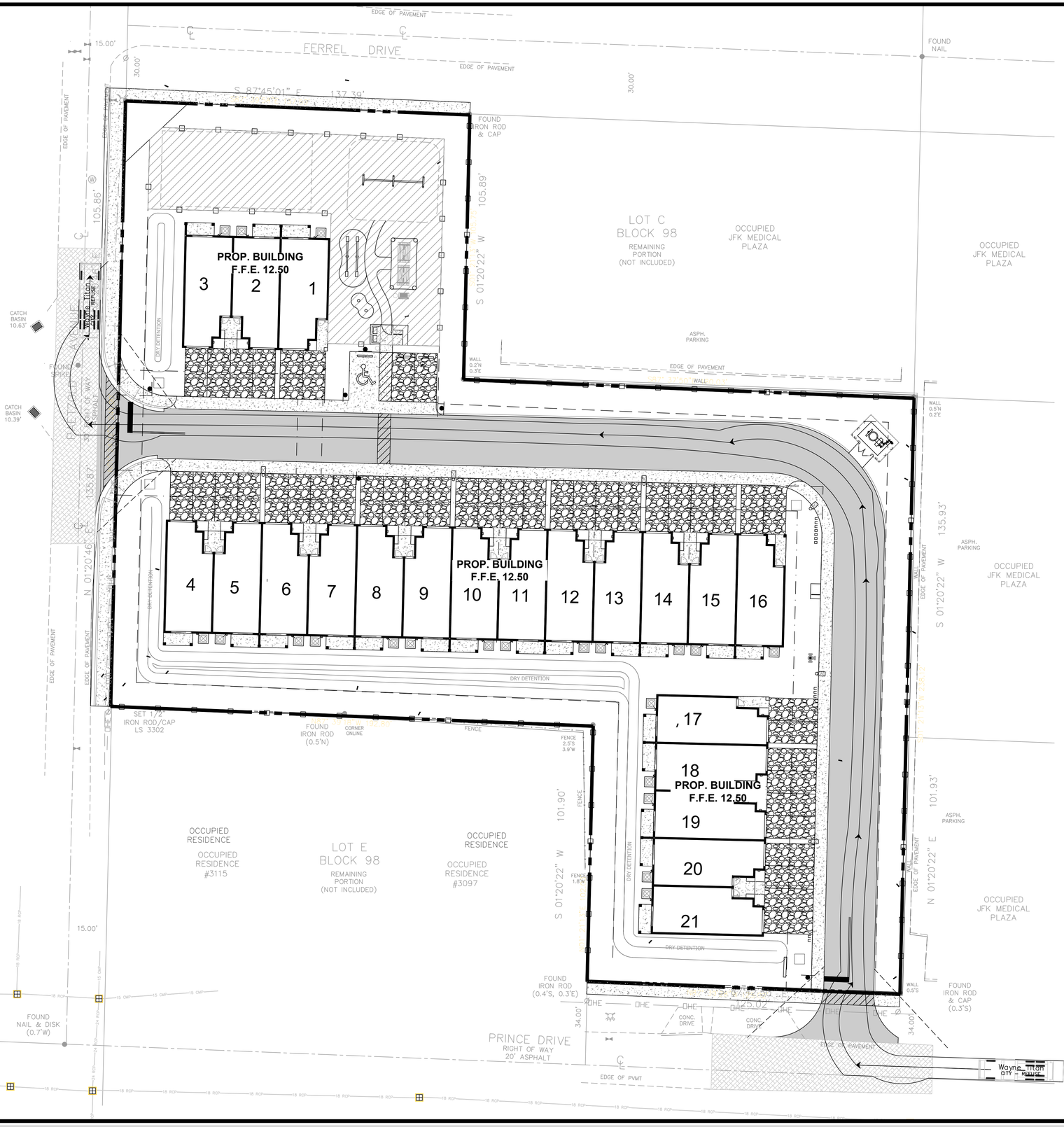
TODD N. McLEOD, P.E. PROFESSIONAL ENGINEER, LICENSED IN THE STATE OF FLORIDA. USING A SHA-1 AUTHENTICATION CODE.
THIS DOCUMENT HAS BEEN ELECTRONICALLY SIGNED AND SEALED BY THE ABOVE NAMED ENGINEER USING A SHA-1 AUTHENTICATION CODE.
PRINTED COPIES OF THIS DOCUMENT ARE NOT CONSIDERED SIGNED AND SEALED AND THE SHA-1 AUTHENTICATION CODE MUST BE VERIFIED ON ANY ELECTRONIC COPIES.

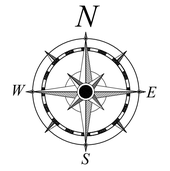
NO.	DATE	REVISIONS
2	6/28/21	REV PER NEW SP & VPS COMMENTS
1	6/1/21	REV PER NEW SP & VPS COMMENTS

PRELIMINARY ENGINEERING DETAILS
PRINCE PLACE
RESIDENTIAL SUBDIVISION
PALM SPRINGS, FLORIDA

SCALE: AS SHOWN
DATE: 4/22/2021

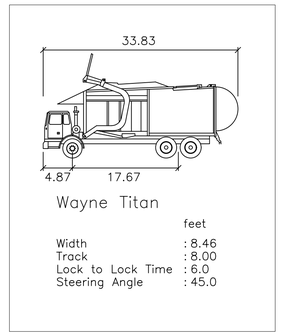
SHEET
C2.2
OF 19





0 10 20 40

SCALE: 1" = 20'



SOLID WASTE DESIGN VEHICLE

N.T.S.

ALL ELEVATIONS REFER TO NAVD 1988 DATUM.

McLeod • McCarthy & Associates, P.A.
Civil Engineers
The Forum III
1655 Palm Beach Lakes Blvd, Ste. 901
West Palm Beach, FL 33401
P: 561.689.9500
F: 561.689.8080
www.mcleodmccarthy.com

SEAL

TODD N. MCLEOD, P.E.
FL LICENSE NO. 66161 (FL CA 0029535)
DATE: 4/22/2021

TODD N. McLEOD, P.E. PROFESSIONAL ENGINEER, LICENSED IN THE STATE OF FLORIDA, HEREBY CERTIFIES THAT THIS DOCUMENT HAS BEEN ELECTRONICALLY SIGNED AND SEALED BY HIM USING A SHA-1 AUTHENTICATION CODE.
PRINTED COPIES OF THIS DOCUMENT ARE NOT CONSIDERED SIGNED AND SEALED AND THE SHA-1 AUTHENTICATION CODE MUST BE VERIFIED ON ANY ELECTRONIC COPIES.

FIELD:
DRAWN: P. Saffold
DESIGNED: TNM
APPROVED: TNM

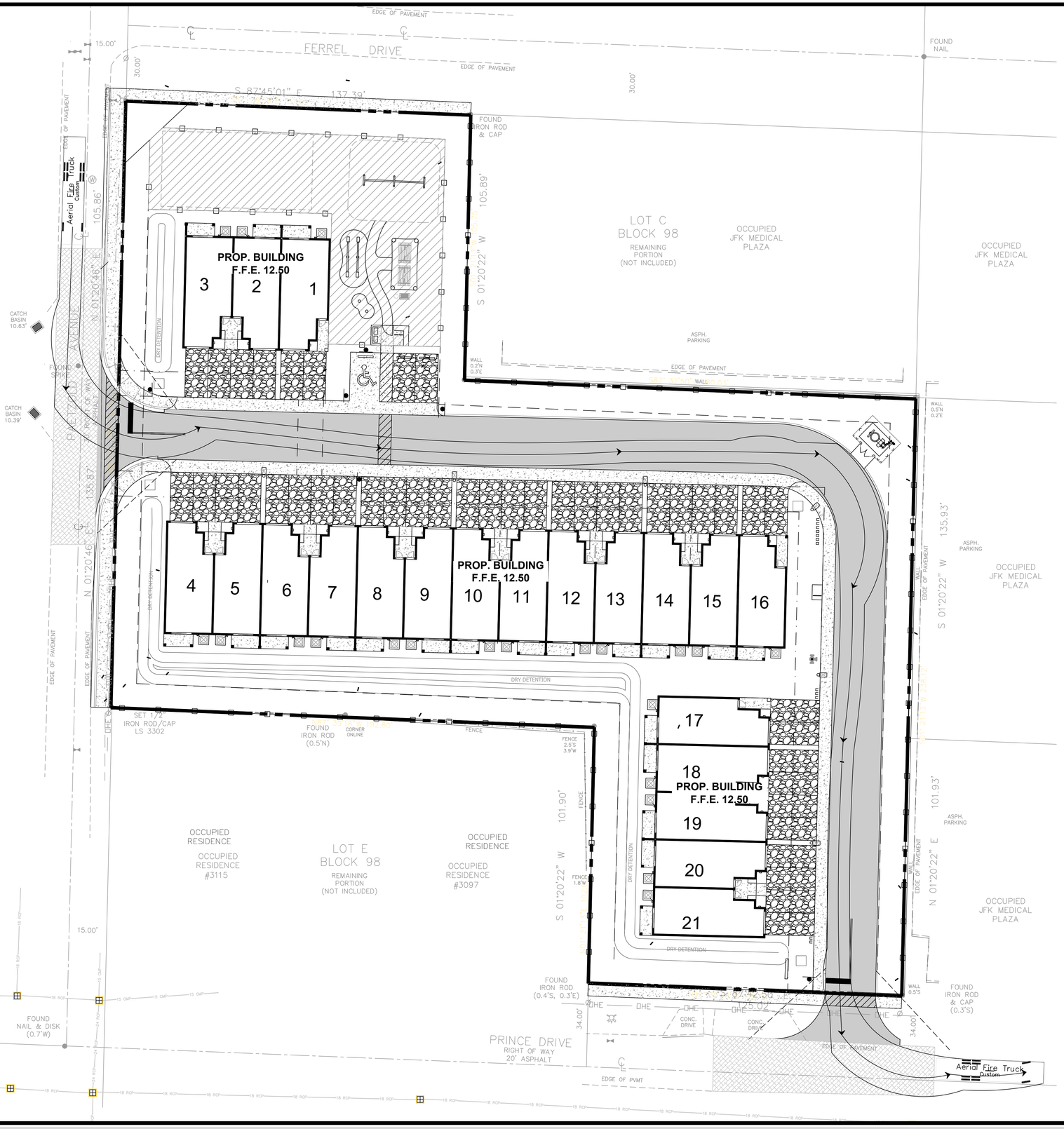
PROJECT #21-006

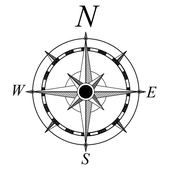
NO.	DATE	REVISIONS
1	6/1/21	REV PER NEW SP & VPS COMMENTS

AUTOTURN EXHIBIT: SOLID WASTE
PRINCE PLACE
RESIDENTIAL SUBDIVISION
PALM SPRINGS, FLORIDA

SCALE: AS SHOWN
DATE: 4/22/2021

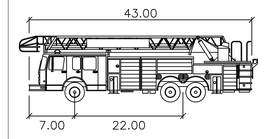
SHEET
EX1
OF 19





0 10 20 40

SCALE: 1" = 20'



Aerial Fire Truck

	feet
Width	: 8.50
Track	: 8.50
Lock to Lock Time	: 6.0
Steering Angle	: 33.3

FIRE RESCUE DESIGN VEHICLE

N.T.S.

ALL ELEVATIONS REFER TO NAVD 1988 DATUM.

McLeod • McCarthy & Associates, P.A.
Civil Engineers
The Forum III
1655 Palm Beach Lakes Blvd, Ste. 901
West Palm Beach, FL 33401
P: 561.689.9500
F: 561.689.8080
www.mcleodmccarthy.com

SEAL

TODD N. MCLEOD, P.E.
FL LICENSE NO. 66181 CA 0029535
N.T.S. 4/22/2021

TODD N. McLEOD, P.E. PROFESSIONAL ENGINEER, LICENSED IN THE STATE OF FLORIDA, PURSUANT TO CHAPTER 471, FLORIDA STATUTES. USING A SHA-1 AUTHENTICATION CODE. THIS DOCUMENT HAS BEEN ELECTRONICALLY SIGNED AND SEALED AND DIGITAL SIGNATURE AND DATE. PRINTED COPIES OF THIS DOCUMENT ARE NOT CONSIDERED SIGNED AND SEALED AND THE SHA-1 AUTHENTICATION CODE MUST BE VERIFIED ON ANY ELECTRONIC COPIES.

FIELD:
DRAWN: P. Saffold
DESIGNED: TNM
APPROVED: TNM

PROJECT #21-006

NO.	DATE	REVISIONS
1	6/1/21	REV PER NEW SP & VPS COMMENTS

AUTOTURN EXHIBIT: FIRE RESCUE
PRINCE PLACE
RESIDENTIAL SUBDIVISION
PALM SPRINGS, FLORIDA

SCALE: AS SHOWN
DATE: 4/22/2021

SHEET
EX2
OF 19

ARIA-1 ARRAY LED Specifications

ARI-1-L
(AM)



Project Name:
Prince Place

Catalog Number:

Type:

Contemporary design meets the new generation of LED green technology in this stunning luminaire, the **Aria Array**. The Aria Array series provides over fifty percent energy savings over traditional HID light sources; and offers excellent beam control and LED life beyond 100,000 hours. Aria Array is offered in ten optical distributions.

The Aria Array LEDs fully-sealed housing features an exceptionally well-designed thermal management system that provides superior heat dissipation.

The popular **Aria Array** is the perfect complement to any university campus, business park, or walkway project where contemporary, architectural design is desired.

Ordering Information

MODEL	OPTICS	LUMENS	KELVIN	VOLTAGE	MOUNTING	FINISH	OPTIONS	OPTIONS
ARI-1	T3/T4	6L	3K	UNV				

ARI-1-L

OPTICS
- **T1** Type 1
- **T2** Type 2
- **T3** Type 3
- **T3L** Type 3 Long
- **T4** Type 4
- **T4A** Type 4 Automotive
- **T4L** Type 4 Long
- **T5SR** Type 5 Short Round
- **T5LR** Type 5 Long Round
- **T5LS** Type Long Square

LUMENS
- **6L**
- **10L**
- **13L**
- **15L**
- **18L**
- **20L**
- **25L**

KELVIN
- **3K** 3000K
- **4K** 4000K
- **5K** 5000K

VOLTAGE
- **UNV** 120-277V
- **8** 347V
- **5** 480V

MOUNTING
- **AM** Arm Mount
- **PT** Post Top
  Slips over 3"ØO tenon X 4" tall with special threaded mounting plate.
  Requires special tenon adaptor if poles are not Visionaire Lighting poles.
- **WM** Wall Mount

*Round Pole Plate Adaptors (RPP) are to be ordered separately.

FINISH
- **GY** Grey
- **SL** Silver Metallic
- **BK** Black
- **SBK** Smooth Black
- **WH** White
- **SWH** Smooth White
- **BZ** Bronze
- **GP** Graphite
- **CC** Custom Color

OPTIONS
- **PCR-120**
- **PCR-208**
- **PCR-240**
- **PCR-277**
- **PCR-347**
- **PCR-480**
  Photocell & Receptacle
- **PER**
- **5PINPER**
- **7PINPER**
  3, 5, OR 7 Pin Photo Receptacle w/shorting cap Requires Dimming Driver
- **WSC-8**
  Motion Sensor 8' Mounting Height
- **WSC-20**
  Motion Sensor 9-20' Mounting Height
- **WSC-40**
  Motion Sensor 21-40' Mounting Height
  *WSC option will require (1) PSR 100 remote for programing

OPTIONS
- **RPP3**
- **RPP4**
- **RPP5**
  For 3", 4", or 5" OD Pole
  Round Pole Plate Adaptor
- **ROT-R**
  Rotated Optics Right Side
- **ROT-L**
  Rotated Optics Left Side
- **CLS**
  Cutoff Louver Shield
- **AWP**
  Aria Wall Plate
- **ACB**
  Aria Conduit Box
- **DIM**
  0-10v Dimming Driver
- **VWC**
  Visionaire Wireless Controls
  *Consult Factory

VISIONAIRE LIGHTING

Features & Specifications — ARIA-1 ARRAY

Housing
- Die cast aluminum fixture housing is 20" diameter with integral tool-less push latch sealing mechanism.
- Door Frame and Lens
- Die cast aluminum door frame incorporates two one-piece silicone channel gaskets to seal the housing and arm completely. Opening the hinged door frame allows for direct access to the driver. The door frame includes an aircraft cable support to hold it securely while servicing the fixture.

Thermal Management
- The Aria Array provides excellent overall thermal management by maximizing the efficiency of the heat sink in the fixture (see Interior View). This enables the Aria Array to withstand higher ambient temperatures and higher drive currents without degrading LED life.
- The L70 test determines the point in an LED Arrays life when it reaches 70 percent of its initial output. Aria Array series LEDs have been determined to last a minimum of 100,000 hours in 40° C environments when driven at 700 mA. See LED Data Chart below for actual test results.

Optical System
- The highest lumen output LEDs are utilized in the Aria series. IES Types I, II, III, IV, and V distributions are standard. The optical system qualifies as IES full cutoff to restrict light trespass, glare and light pollution.
- CRI values are 70.

New LED Array Technology
- 4 Diodes now replace a single LED chip and operate at 25% of the drive current allowing for higher efficiency, less heat and longer life. (10 Year Warranty)
- More LEDs at a lower drive current provides a more comfortable visual effect.

Quali-Guard® Finish
A Quali-Guard® thermoset polyester powder coat painted finish is available in 8 standard and custom colors.

Mounting
- Post Top Mount: The cast aluminum post top mount fitter houses the driver assembly. The contractor-friendly mounting hardware is concealed inside the post top fitter; which slips over a 3" O.D. x 4" tall tenon with a special threaded mounting plate, and is secured by a high-strength bolt.
- Arm Mount: The fixture mounts directly to the pole by means of three stainless steel mounting bolts attaching to an in-pole nut plate, to ensure level installation.
- A Round Pole Plate Adaptor (RPP-4/5) is required for mounting to 4" or 5" round poles.
- Cast wall mount plate predrilled for easy mounting

Electrical Assembly
- The Aria Array is supplied with a choice of 350, 530 and 700mA high-performance LED drivers that accept 120 V thru 480 V, 50 Hz to 60 Hz input.
- Power factor of 90%.
- Rated for -40 °C operations.
- 10 kV surge protector supplied as standard.

Warranty
Ten (10) year Limited Warranty on electrical components, Five (5) year on finish. For full warranty information.
Please visit www.visionairelighting.com

Options
- Photocell & receptacle
- Photo receptacle
- Round pole plate adaptor
- Button type photocell
- Cut-Off Louver Shield
- Aria wall plate
- Aria conduit box
- 0-10 V dimming driver

Please consult factory for custom options.

Listings
- Aria Array is cUL listed, suitable for wet locations.
- LM79.
- LM80.
- IP-65
- RoHS compliant.
- Powder Coated Tough™.

IP65 RATED

DesignLights Consortium (DLC) qualified Product. Some configurations of this product family may not be DesignLights Consortium (DLC) listed, please refer to the DLC qualified products list to confirm listed configurations. http://www.designlights.org/
3000K must be selected for IDA certification.

19645 Rancho Way - Rancho Dominguez, CA 900220 - Phone: 310 512 6480 Fax 310 512 6486
www.visionairelighting.com

ELECTRICAL SHEET INDEX

E0.1	ELECTRICAL NOTES, LEGEND & INDEX
E1.1	SITE PHOTOMETRIC PLAN

ARIA-1 ARRAY LED Specifications

Photometric Optical Summary



EPA Data

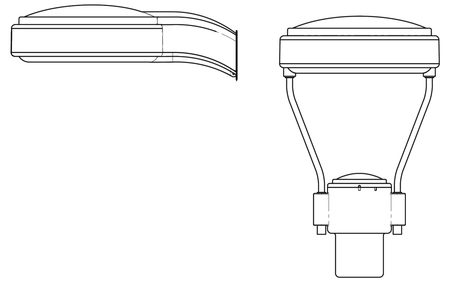
Fixture with Arm						
ARI-1-L (AM)	1.2	2.2	2.5	2.7	2.6	2.7
ARI-1-L (PT)	1.8	3.6	3.6	5.3	5.3	5.3

Dimensions AM

Width:	ARI-1 20"
Height:	ARI-1 7.25"
Depth:	ARI-1 28.25"
Weight:	41 LBS

Dimensions PT

Width:	ARI-1 20"
Height:	ARI-1 29.75"
Weight:	41.5 LBS



VISIONAIRE LIGHTING

ELECTRICAL SPECIFICATIONS

PART 1 – GENERAL

A. THE CONTRACTOR SHALL SUPPLY AND INSTALL ALL NEW ELECTRICAL WORK INDICATED. CONSTRUCTION SHALL BE IN ACCORDANCE WITH DRAWINGS AND APPLICABLE SPECIFICATIONS. IF A PROBLEM IS ENCOUNTERED IN COMPLYING WITH THIS REQUIREMENT, CONTRACTOR SHALL NOTIFY THE ARCHITECT/ENGINEER AS SOON AS POSSIBLE AFTER DISCOVERY OF THE PROBLEM AND SHALL NOT PROCEED WITH THAT PORTION OF THE WORK UNTIL ARCHITECT/ENGINEER HAS DIRECTED CORRECTIVE ACTION TO BE TAKEN.
B. THE CONTRACTOR SHALL VISIT THE JOB SITE PRIOR TO BID AND FAMILIARIZE HIMSELF WITH ALL CONDITIONS AFFECTING ELECTRICAL AND COMMUNICATIONS INSTALLATION AND MAKE PROVISIONS AS TO THE COST THEREOF.
C. ALL WORK SHALL BE PERFORMED IN ACCORDANCE WITH THE LATEST EDITION OF THE NATIONAL ELECTRIC CODE (AS ADOPTED BY THE AUTHORITY HAVING JURISDICTION) AND ALL CODES AND ORDINANCES OF THE AUTHORITY HAVING JURISDICTION. THE SPECIFICATION, CODES AND STANDARDS LISTED BELOW ARE UTILIZED IN THIS PROJECT.
   1. NATIONAL ELECTRICAL CODE (NFPA–70)
   2. CODE FOR SAFETY TO LIFE (NFPA_101)
   3. STANDARD FOR THE INSTALLATION, MAINTENANCE AND USE OF LOCAL PROTECTIVE SIGNALING SYSTEMS (NFPA–72)
   4. UNDERWRITERS' LABORATORIES (UL)
   5. NATIONAL ELECTRICAL MANUFACTURERS ASSOCIATION (NEMA)
   6. AMERICAN NATIONAL STANDARDS INSTITUTE (ANSI)
   7. FEDERAL SPECIFICATION (FED. SPEC.)
   8. INSULATED POWER CABLE ENGINEERS ASSOCIATION (IPCEA)
   9. FLORIDA BUILDING CODE. FBC 2014 EDITION
   10. INSTITUTE OF ELECTRICAL AND ELECTRONIC ENGINEERS (IEEE)
   11. CITY OF PALM SPRINGS BUILDING CODE. (AMENDMENTS TO FLORIDA BUILDING CODE FBC 2014)
   12. ADDITIONALLY, DESIGNS, WORK PRACTICES AND CONDITIONS MUST CONFORM WITH THE OCCUPATIONAL SAFETY AND HEALTH ACT OF 1970 (OSHA)
D. DO NOT SCALE THE ELECTRICAL DRAWINGS. REFER TO ARCHITECTURAL PLANS AND ELEVATIONS FOR EXACT LOCATION OF ALL EQUIPMENT. CONFIRM WITH OWNER'S REPRESENTATIVE.
E. IT IS NOT THE INTENT OF THESE PLANS TO SHOW EVERY MINOR DETAIL OF CONSTRUCTION. THE CONTRACTOR IS EXPECTED TO FURNISH AND INSTALL ALL ITEMS FOR A COMPLETE ELECTRICAL SYSTEM AND PROVIDE ALL REQUIREMENTS NECESSARY FOR EQUIPMENT TO BE PLACED IN PROPER WORKING ORDER.
F. CONTRACTOR SHALL GUARANTEE ALL MATERIALS AND WORKMANSHIP FREE FROM DEFECTS FROM A PERIOD OF NOT LESS THAN ONE YEAR FROM DATE OF ACCEPTANCE.
G. CORRECTION OF ANY DEFECTS SHALL BE COMPLETED WITHOUT ADDITIONAL CHARGE AND SHALL INCLUDE REPLACEMENT OR REPAIR OF ANY OTHER PHASE OF THE INSTALLATION WHICH MAY HAVE BEEN DAMAGED THERE BY.
H. ALL REQUIRED INSURANCE SHALL BE PROVIDED FOR PROTECTION AGAINST PUBLIC LIABILITY AND PROPERTY DAMAGE FOR THE DURATION OF THE WORK. CONTRACTOR SHALL PAY FOR ALL PERMITS, FEES, INSPECTIONS AND TESTING. CONTRACTOR TO OBTAIN PERMIT AND APPROVED SUBMITTALS PRIOR TO BEGINNING WORK OR ORDERING EQUIPMENT. THE TERM "PROVIDE" USED IN THE CONSTRUCTION DOCUMENTS AND SPECIFICATIONS SHALL MEAN THAT THE CONTRACTOR IS TO FURNISH, INSTALL AND CONNECT COMPLETE.

PART 2 – PRODUCTS

A. MINIMUM WIRE SIZE SHALL BE #12 A.W.G. (EXCEPT AS NOTED OTHERWISE FOR CONTROL WIRING). ALL CONDUCTORS SHALL BE 98% CONDUCTIVITY, COPPER WITH "THHN–THWN" INSULATION UNLESS OTHERWISE NOTED.
B. ELECTRICAL METALLIC TUBING (EMT) SHALL BE OF BEST QUALITY STEEL, SMOOTH INSIDE AND OUT AND SHALL BE HOT–DIPPED GALVANIZED.
C. OUTLET BOXES SHALL BE PRESSED STEEL IN DRY LOCATIONS, CAST ALLOY WITH THREADED HUBS I. IN WET OR DAMP LOCATIONS AND SPECIAL ENCLOSURES FOR OTHER CLASSIFIED AREAS.
D. RIGID NONMETALIC CONDUIT SHALL BE SCHEDULE 40 PVC.
E. ALL MATERIALS SHALL BE NEW AND BEAR UNDERWRITERS' LABELS WHERE APPLICABLE.
F. PANELBOARDS:
   1. CURRENT CARRYING BUSES SHALL BE COPPER. GROUND BUS BARS SHALL BE COPPER.
   2. ALL CIRCUIT BREAKERS SHALL BE BOLT ON. PLUG–IN BREAKERS ARE NOT ACCEPTABLE.
   3. CIRCUIT BREAKERS USED AS SWITCHES IN FLUORESCENT OR HID LIGHTING CIRCUITS SHALL BE LISTED AND MARKED "SWD"
   4. ALL CIRCUIT BREAKERS FEEDING MECHANICAL EQUIPMENT SHALL BE HACR TYPE.
   5. A.I.C. RATINGS SHALL BE AS INDICATED ON PANELBOARD SCHEDULES.
   6. ALL PANELBOARDS SHALL BE FURNISHED WITH PLASTIC LAMINATE NAMEPLATES WITH 1/4" ENGRAVED LETTERING FOR PANEL IDENTIFICATION.
   7. ALL PANELBOARDS SHALL BE PROVIDED WITH TYPE–WRITTEN DIRECTORY OF BRANCH CIRCUIT DESIGNATIONS.
G. DISCONNECT SWITCHES SHALL BE H.P. RATED, HEAVY DUTY, QUICK–MAKE, QUICK–BREAK. ENCLOSURES SHALL BE NEMA–1 FOR INDOOR LOCATIONS, NEMA 3R FOR OUTDOOR LOCATIONSOR AS OTHERWISE NOTED.
H. MOTOR STARTERS SHALL BE MANUAL OR MAGNETIC AS INDICATED ON THE ELECTRICAL DRAWINGS, WITH OVERLOAD RELAYS IN EACH PHASE. WIRING DEVICES (GENERAL PURPOSE RECEPTACLES AND WALL SWITCHES) COLOR SHALL BE COORDINATED WITH CLIENT.

PART 3 – EXECUTION

A. COLOR CODING OF CONDUCTORS SHALL BE AS FOLLOWS:
   1. 208/120 VOLTS, 3 PHASE, 4–WIRE SYSTEM: UNGROUNDED CONDUCTORS: 1 BLACK, 1 RED AND 1 BLUE. GROUNDED (NEUTRAL) CONDUCTOR; WHITE. GROUNDING CONDUCTORS SHALL BE GREEN.
   2. 480/277 VOLT, 3–PHASE, 4–WIRE SYSTEM: UNGROUNDED CONDUCTORS: 1 BROWN, 1 YELLOW, AND 1 PURPLE. GROUNDED (NEUTRAL) CONDUCTORS; GREY. GROUNDING CONDUCTORS SHALL BE GREEN.
   3. BRANCH CIRCUIT WIRING (#6 AND SMALLER) SHALL BE COLOR CODED BY CONTINUOUS INSULATION COLOR AND FEEDERS AND SERVICES (#4 AND LARGER) SHALL BE CODED AT ALL JUNCTION OR PULL POINTS (EXCEPT LB'S OR LBD'S) USING COLOR MARKERS OR PLASTIC TAPE MANUFACTURED FOR THE PURPOSE.

I. B. WIRING METHODS
   1. ALL CONDUCTORS SHALL BE INSTALLED IN ELECTRICAL METALLIC TUBING (EMT) UNLESS OTHERWISE NOTED, SPECIFIED OR AS SPECIFICALLY PROHIBITED BY THE AUTHORITY HAVING JURISDICTION. ALL FITTINGS AND COUPLINGS FOR EMT CONDUIT SHALL BE ALL STEEL RAIN TIGHT COMPRESSION TYPE OR ALL STEEL CONCRETE TIGHT SET SCREW TYPE.
   2. SCHEDULE 40 PVC CONDUIT, WITH FITTINGS AND COUPLINGS APPROPRIATE FOR THE USE, SHALL BE INSTALLED UNDERGROUND OR BELOW SLABS ON GRADE.
   3. TYPE MC CABLE WITH ALUMINUM ARMOR AND INTERNAL GROUND IS ACCEPTABLE FOR USE AS GENERAL BRANCH CIRCUIT WIRING FOR CIRCUITS 20 AMPERES OR LESS AND CONCEALED IN WALLS OR ABOVE SUSPENDED CEILING AND AS APPROVED BY THE AUTHORITY HAVING JURISDICTION.

C. ELECTRICAL SYSTEM SHALL BE COMPLETE AND EFFECTIVELY GROUNDED AS REQUIRED BY THE LATEST EDITION OF THE N.E.C. AND LOCAL CODES.
D. ALL WORK SHALL BE PERFORMED BY A LICENSED ELECTRICAL CONTRACTOR IN A FIRST CLASS WORKMANLIKE MANNER. THE COMPLETED SYSTEM SHALL BE FULLY OPERATIVE AND ACCEPTED BY ENGINEER/ARCHITECT.
E. ALL WORK SHALL BE COORDINATED WITH OTHER TRADES TO AVOID INTERFERENCE WITH THE PROGRESS OF CONSTRUCTION.
F. THE ELECTRICAL INSTALLATION SHALL MEET ALL STANDARD REQUIREMENTS OF POWER AND TELEPHONE COMPANIES, AND SHALL BE FULLY COORDINATED WITH THEM PRIOR TO COMMENCEMENT OF WORK.
G. PROVIDE AND INSTALL CONDUIT, CONDUCTORS, PULL WIRES, BOXES, COVER PLATES, AND WIRING DEVICES, FOR ALL OUTLETS AS INDICATED.
H. MATERIALS, PRODUCTS, AND EQUIPMENT, INCLUDING ALL COMPONENTS THEREOF, SHALL BE NEW AND SUCH AS APPEAR ON THE UL LIST OF APPROVED ITEMS AND SHALL MEET OR EXCEED THE REQUIREMENTS OF NEC, NEMA, AND IECE. CONTRACTOR SHALL SUBMIT AT LEAST FIVE (5) SETS OF SHOP DRAWINGS OR CUT SHEETS OF LIGHTING FIXTURES, SWITCHES, AND OTHER ELECTRICAL ITEMS FOR APPROVAL BY ENGINEER/ARCHITECT. CONTRACTOR SHALL BE RESPONSIBLE FOR ALL CUTTING AND PATCHING REQUIRED OF HIS WORK.
K. ALL LAY–IN LIGHTING FIXTURES SHALL BE SECURED TO THE SUSPENDED CEILING GRID AT EACH CORNER.
L. CONTRACTOR SHALL COORDINATE WITH MECHANICAL DRAWINGS AND PROVIDE ALL NECESSARY CONTROL WIRING.
M. ALL ELECTRICAL POWER WIRING FOR THE HVAC SYSTEM INCLUDING WIRING THRU LINE VOLTAGE CONTROL DEVICES SHALL BE THE RESPONSIBILITY OF THE ELECTRICAL CONTRACTOR.

N. THE CONTRACTOR SHALL CONFIRM WITH THE ELECTRICAL UTILITY COMPANY ANY AND ALL REQUIREMENTS SUCH AS: METERING EQUIPMENT REQUIREMENTS AND METERING EQUIPMENT LOCATION, TRANSFORMER SIZE AND LOCATION OR SERVICE POINT, CONDUIT ENTRY AND LUG SIZE RESTRICTIONS. THE CONTRACTOR SHALL SCHEDULE ALL REQUIRED DOWN TIME FOR THE OWNERS CONFIRMATION. ANY CONFLICTS AND DESCREPANCIES SHALL BE BROUGHT TO THE ATTENTION OF THE ENGINEER BEFORE
O. PROCEEDING WITH ANY WORK. PER NEC 210.8(B)(2) ALL 15– AND 20–AMPERE, 125–VOLT RECEPTACLES IN NONDWELLING–TYPE KITCHENS TO BE GFCI PROTECTED.

P. BRANCH CIRCUIT CONDUCTORS SHALL BE SIZED FOR A MAXIMUM VOLTAGE DROP OF 3% DESIGN LOAD. FBC 2014 FBC ENERGY CONSERVATION SECTION 405.7.3.

Q. FEEDER CONDUCTORS SHALL BE SIZED FOR A MAXIMUM OF 2% VOLTAGE DROP PER 405.7.3.

ISSUED FOR PERMIT	04-22-21
-	-

revision	date
CITY COMMENTS	05-27-21
CITY COMMENTS	06-30-21
CITY COMMENTS	08-04-21

KAMM Consulting
1408 Orange Avenue
Fort Pierce, Florida 34950
Phone: 772.467.1373
JM@KAMMconsulting.com
Certification of Authorization #8189
BENCH PM
Bishop J. Holmes
Florida License #58337

08-04-21
date

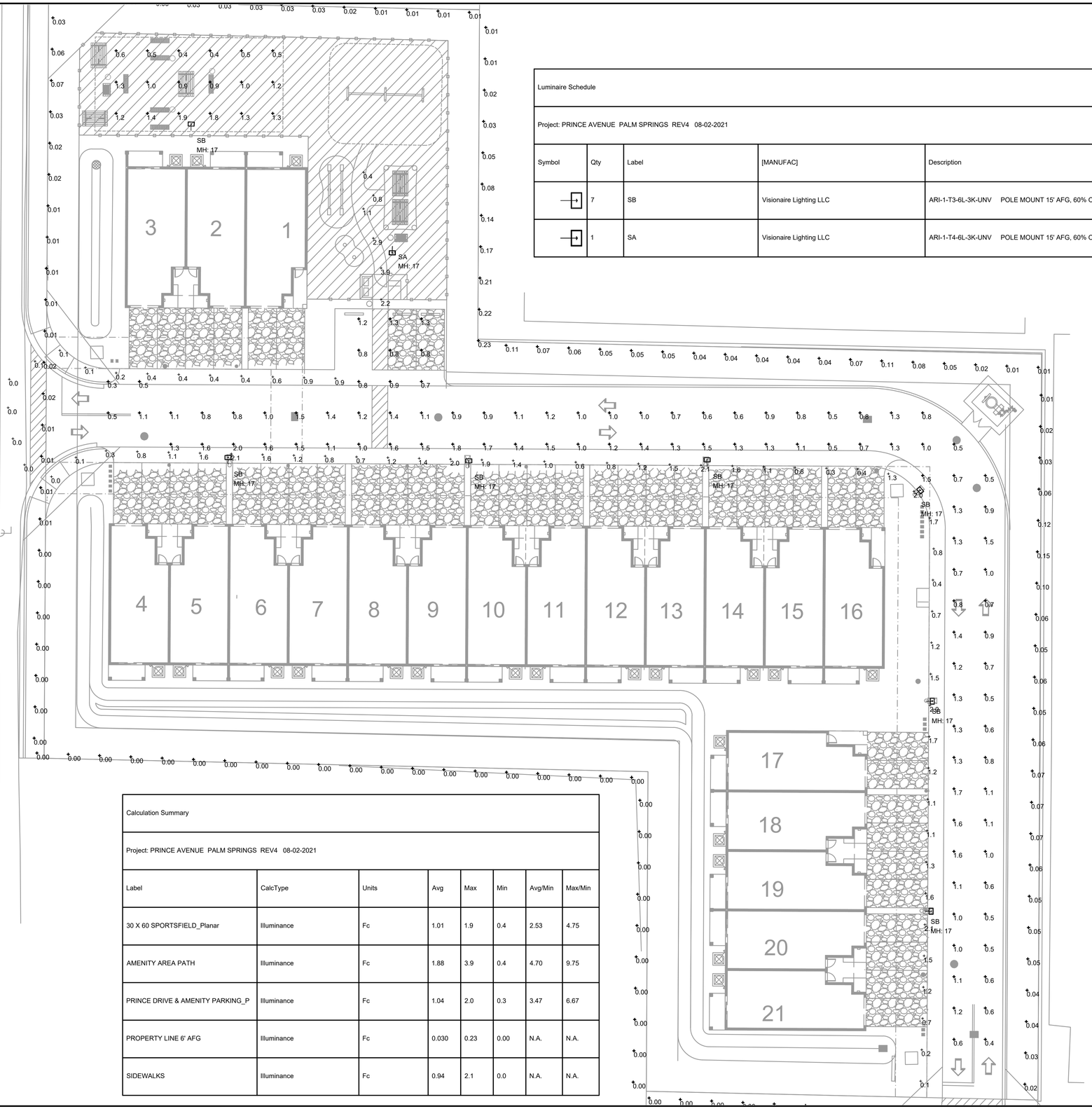
signed

project title:
PRINCE PLACE TOWNHOMES
3075 PRINCE DR. PALM SPRINGS, FLORIDA

sheet title:
ELECTRICAL NOTES

projt. no.:	2021–0164
project manager:	JM
checked by:	BB
scale:	AS NOTED
date:	08–04–21

sheet
E0.1
project

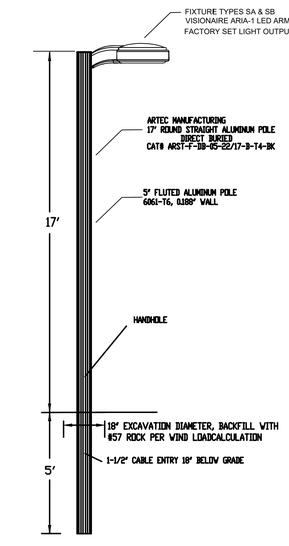


Luminaire Schedule								
Project: PRINCE AVENUE PALM SPRINGS REV4 08-02-2021								
Symbol	Qty	Label	[MANUFAC]	Description	Arr. Lum. Lumens	LLF	Lum. Watts	Total Watts
	7	SB	Visionaire Lighting LLC	ARI-1-T3-6L-3K-UNV POLE MOUNT 15' AFG, 60% OUTPUT	6188	0.570	50	350
	1	SA	Visionaire Lighting LLC	ARI-1-T4-6L-3K-UNV POLE MOUNT 15' AFG, 60% OUTPUT	6145	0.900	50	50

Calculation Summary							
Project: PRINCE AVENUE PALM SPRINGS REV4 08-02-2021							
Label	CalcType	Units	Avg	Max	Min	Avg/Min	Max/Min
30 X 60 SPORTSFIELD_Planar	Illuminance	Fc	1.01	1.9	0.4	2.53	4.75
AMENITY AREA PATH	Illuminance	Fc	1.88	3.9	0.4	4.70	9.75
PRINCE DRIVE & AMENITY PARKING_P	Illuminance	Fc	1.04	2.0	0.3	3.47	6.67
PROPERTY LINE 6' AFG	Illuminance	Fc	0.030	0.23	0.00	N.A.	N.A.
SIDEWALKS	Illuminance	Fc	0.94	2.1	0.0	N.A.	N.A.

GENERAL NOTE

AUTOMATIC TIMING DEVICES WITH A PHOTOSENSOR OR AN ASTRONOMICAL TIMECLOCK, WHICH CONTROL THE HOURS OF ILLUMINATION SHALL BE REQUIRED FOR ALL PARKING LOTS, CAR DEALERSHIPS/OUTDOOR DISPLAY LOTS AND PARKING GARAGES. THESE DEVICES MAY REMAIN ON EASTERN STANDARD TIME THROUGHOUT THE YEAR.



POLE DETAIL
N/S

LIGHTING PLAN
1/16"=1'-0" NORTH

ISSUED FOR PERMIT	04-22-21
-	-

revision	date
1 CITY COMMENTS	05-27-21
2 CITY COMMENTS	06-30-21
3 CITY COMMENTS	08-04-21

KAMM Consulting
1408 Orange Avenue
Fort Pierce, Florida 34950
Phone 772.461.2570
JM@KAMMconsulting.com
Certification of Authorization #8189
PRINCIPAL Florida License #58357
Bishop J. Kamm

08-04-21
date

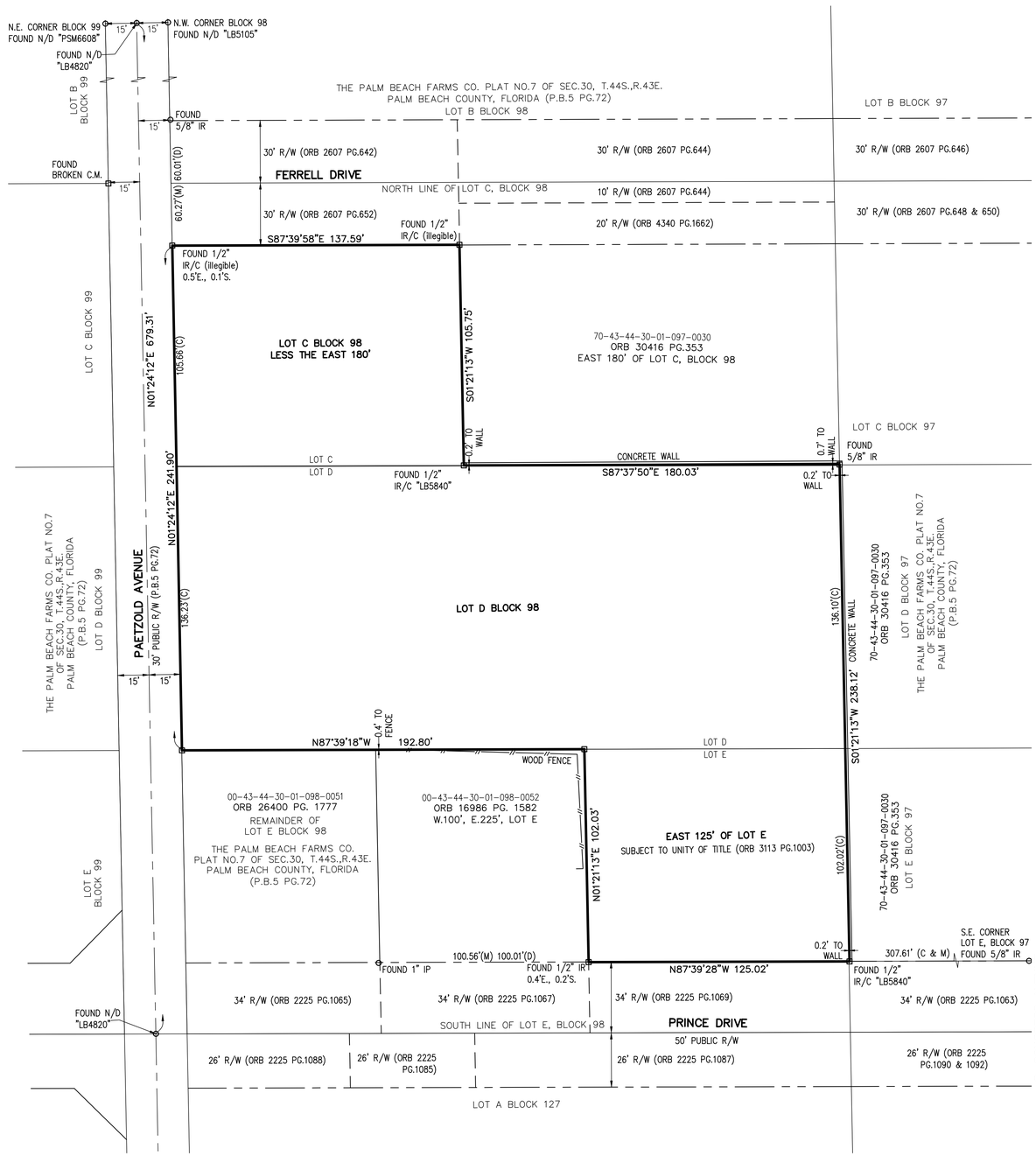
signed

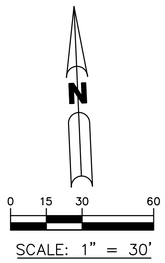
project title:
PRINCE PLACE TOWNHOMES
3075 PRINCE DR. PALM SPRINGS, FLORIDA

sheet title:
SITE PHOTOMETRIC PLAN

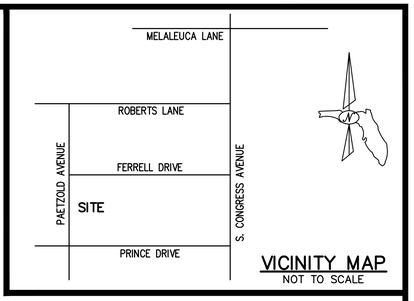
proj. no.:	2021-0164
project manager:	JM
checked by:	BB
scale:	AS NOTED
date:	08-04-21

sheet
E1.1
project





ABBREVIATIONS:
P.B. – PLAT BOOK
ORB – OFFICIAL RECORD BOOK
D.B. – DEED BOOK
PG. – PAGE
R/W – RIGHT-OF-WAY
U.E. – UTILITY EASEMENT
D.E. – DRAINAGE EASEMENT
(P) – PLAT DIMENSION
(D) – DEED DIMENSION
(M) – MEASURED DIMENSION
℄ – CENTERLINE
IR – IRON ROD
IR/C – IRON ROD WITH CAP AS NOTED
C.M. – 4"x4" CONCRETE MONUMENT
N/D – NAIL & DISK
PRM – 4"x4" CONCRETE MONUMENT WITH DISK STAMPED "PRM LB6473"
NAD – NORTH AMERICAN DATUM
LB – LICENSED BUSINESS



VICINITY MAP
NOT TO SCALE

LEGAL DESCRIPTION – (ORB 8987 PAGE 1871)

1. LOT D, BLOCK 98, THE PALM BEACH FARMS CO. PLAT NO. 7 OF SECTION 30, TOWNSHIP 44 SOUTH, RANGE 43 EAST, PALM BEACH COUNTY, FLORIDA, ACCORDING TO THE PLAT THEREOF ON FILE IN THE OFFICE OF THE CLERK OF THE CIRCUIT COURT IN AND FOR PALM BEACH COUNTY, RECORDED IN PLAT BOOK 5, PAGE 72.

2. LOT C, LESS THE EAST 180 FEET THEREOF, BLOCK 98, THE PALM BEACH FARMS COMPANY PLAT NO. 7, ACCORDING TO THE PLAT THEREOF ON FILE IN THE OFFICE OF THE CLERK OF THE CIRCUIT COURT IN AND FOR PALM BEACH COUNTY, RECORDED IN PLAT BOOK 5, PAGE 72, LESS A STRIP OF LAND FOR ROAD RIGHT OF WAY PURPOSES AS LAID OUT AND IN USE KNOWN AS FERRELL DRIVE, AS LOCATED IN PALM BEACH FARMS COMPANY PLAT NO. 7 OF SECTION 30, TOWNSHIP 44 SOUTH, RANGE 43 EAST, MORE PARTICULARLY DESCRIBED AS FOLLOWS:
THE NORTH 30 FEET OF LOT C, LESS THE EAST 180 FEET THEREOF, BLOCK 98, PALM BEACH FARMS COMPANY PLAT NO. 7.

3. THE EAST 125 FEET OF LOT "E", BLOCK 98, PALM BEACH FARMS COMPANY PLAT NO. 7, ACCORDING TO THE PLAT THEREOF AS RECORDED IN PLAT BOOK 5, PAGE 72, LESS THE SOUTH 34 FEET THEREOF AS GRANTED IN OFFICIAL RECORD BOOK 2225, PAGE 1069, PUBLIC RECORDS OF PALM BEACH COUNTY, FLORIDA.

SURVEY REPORT:

1. THIS IS A BOUNDARY SURVEY, PREPARED IN ACCORDANCE WITH THE APPLICABLE PORTIONS OF THE STANDARDS OF PRACTICE SET FORTH IN RULE 5J-17.051 THROUGH 5J-17.053, FLORIDA ADMINISTRATIVE CODE.
   THE FIELD WORK WAS COMPLETED ON MAY 19, 2021.
2. THE SURVEY WAS BASED ON THE PALM BEACH FARMS CO. PLAT NO.7 OF SEC.30, T.44S., R.43E., PLAT BOOK 5, PAGE 72.
3. BEARINGS ARE BASED ON N01°24'12"E (ASSUMED) ALONG THE CENTERLINE OF PAETZOLD AVENUE.
4. THE LEGAL DESCRIPTION IS RECORDED IN OFFICIAL RECORD BOOK 8987, PAGE 1871.
5. AREA = 70,562 SQUARE FEET (1.620 ACRES), MORE OR LESS.
6. EASEMENTS, RESTRICTIONS, AND OTHER ITEMS OF RECORD SHOWN ARE PER SCHEDULE B-II, OF AN AMERICAN LAND TITLE ASSOCIATION COMMITMENT PREPARED BY OLD REPUBLIC NATIONAL TITLE INSURANCE COMPANY COMMITMENT NUMBER: 1006373, DATED MARCH 2, 2021.
   NO SEARCH OF THE PUBLIC RECORDS HAS BEEN PERFORMED BY BROWN & PHILLIPS, INC.
   THERE MAY BE ADDITIONAL EASEMENTS AND/OR RESTRICTIONS NOT SHOWN ON THIS SURVEY THAT MAY BE FOUND IN THE PUBLIC RECORDS OF PALM BEACH COUNTY.
7. ALL DISTANCES ARE MEASURED UNLESS NOTED OTHERWISE.
8. ALL FIELD-MEASURED CONTROL MEASUREMENTS EXCEEDED AN ACCURACY OF 1: 7,500.
9. THE EXPECTED HORIZONTAL AND VERTICAL ACCURACY OF ITEMS SHOWN ON THIS SURVEY ARE AS FOLLOWS:
   1) BOUNDARY LINES – 0.10'
   2) TOPOGRAPHIC FEATURES – 0.20'
10. THE SUBJECT PROPERTY WAS VACANT AS OF THE DATE OF SURVEY.
11. AT THE REQUEST OF THE CLIENT, NO TOPOGRAPHIC INFORMATION WAS OBTAINED, EXCEPT AS SHOWN. NO UNDERGROUND INSTALLATIONS OR IMPROVEMENTS WERE LOCATED.
12. THE CONTRACTED PURPOSE OF THIS SURVEY IS TO SATISFY THE SURVEY REQUIREMENT FOR THE PREPARATION OF A RECORD PLAT.
    THIS SURVEY IS NOT VALID FOR ANY OTHER USE.
13. ADDITIONS OR DELETIONS TO SURVEY MAPS OR REPORTS BY OTHER THAN THE SIGNING PARTY OR PARTIES IS PROHIBITED WITHOUT WRITTEN CONSENT OF THE SIGNING PARTY OR PARTIES.
14. THIS SURVEY WAS PREPARED FOR THE PARTIES LISTED BELOW AND IS NOT ASSIGNABLE:
    –PRINCETON COURT LLC
    –OLD REPUBLIC NATIONAL TITLE INSURANCE COMPANY
15. THIS MAP IS INTENDED TO BE DISPLAYED AT A SCALE OF 1"=30', ON A 24"x 36" SHEET.
16. FLOOD ZONE INFORMATION OBTAINED FROM PALM BEACH COUNTY WEBSITE: "http: //maps.co.palm-beach.fl.us/cwgis/?app=floodzones";
    CURRENT FLOOD ZONE: AE
17. © COPYRIGHT 2021 BY BROWN & PHILLIPS, INC.
    REPRODUCTIONS OF THIS SURVEY ARE NOT VALID WITHOUT THE ORIGINAL SIGNATURE AND STAMP, OR A DIGITALLY VERIFIED ELECTRONIC SIGNATURE AND SEAL, OF A FLORIDA LICENSED SURVEYOR AND MAPPER EMPLOYED BY BROWN & PHILLIPS, INC.

BROWN & PHILLIPS, INC.
PROFESSIONAL SURVEYING SERVICES
CERTIFICATE OF AUTHORIZATION # LB 6473
1860 OLD OKEECHOBEE ROAD, SUITE 509, WEST PALM BEACH, FLORIDA 33409 561-615-3988

DATE	REVISIONS	#

SKETCH OF BOUNDARY SURVEY

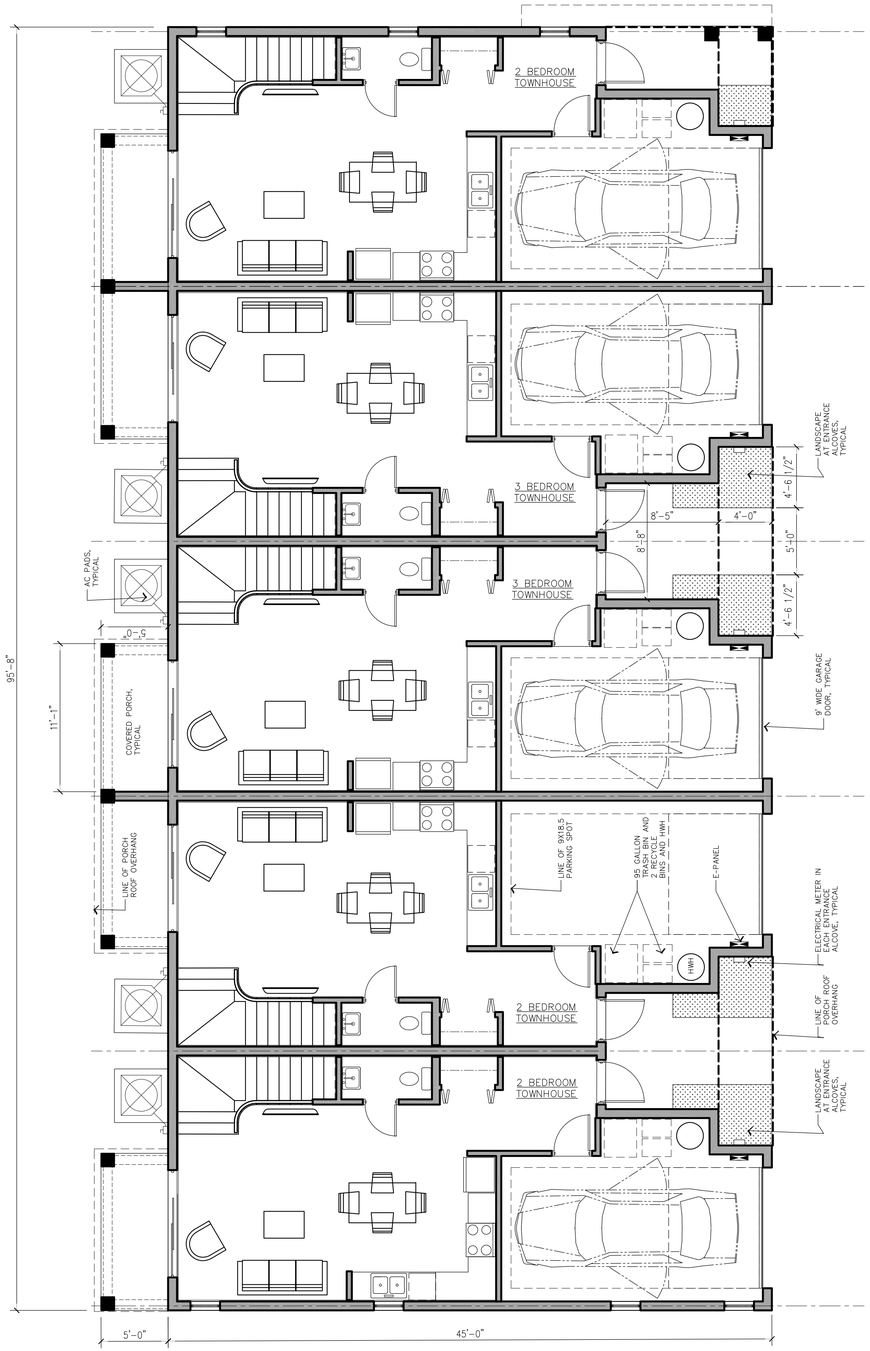
THE PRINCE PLACE PROJECT

DRAWN: MB
CHECKED: JEP
F.B. PALM SPRINGS
PAGES: 43

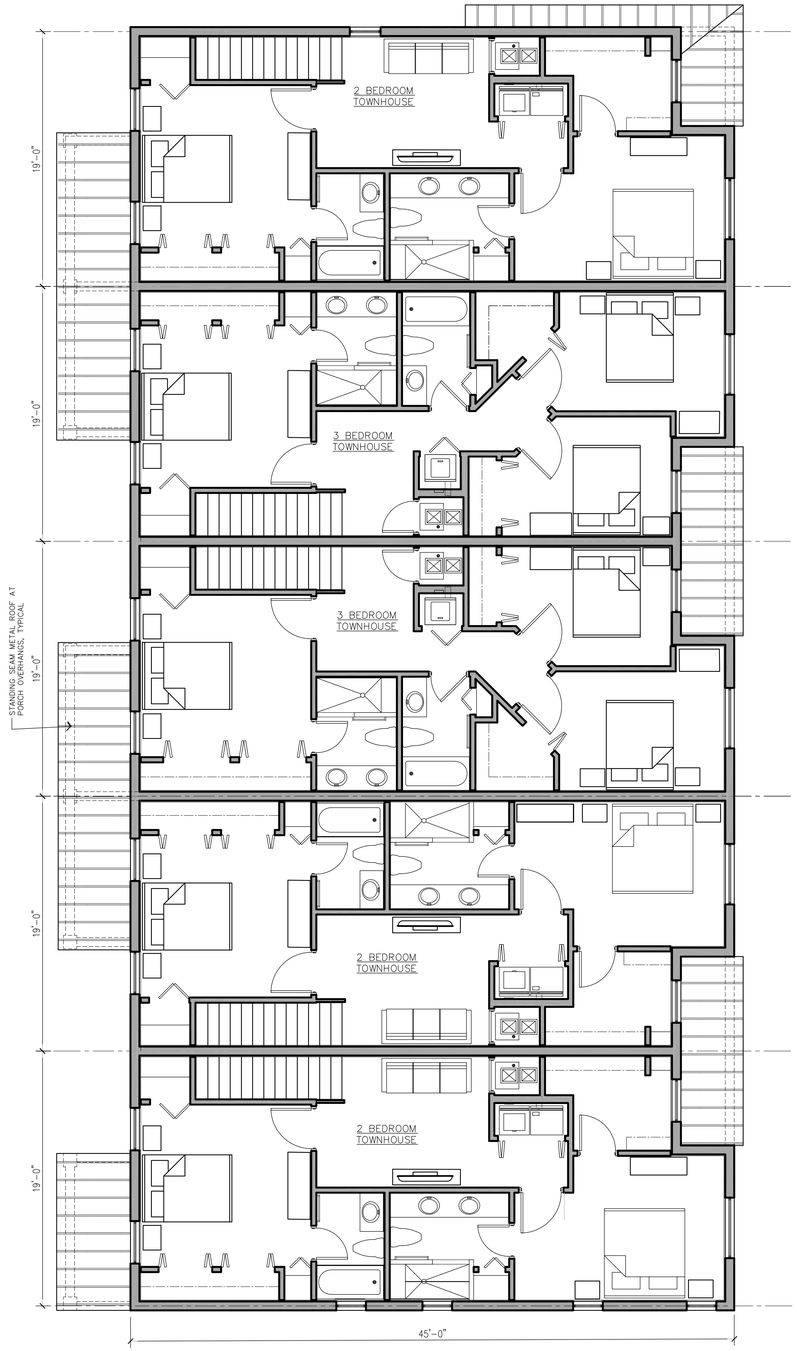
PROJ. No.21-048
SCALE: 1"=30'
DATE: MAY 2021
SHEET 1 OF 1

JOHN E. PHILLIPS III
PROFESSIONAL LAND SURVEYOR
STATE OF FLORIDA No. 4826
DATE: _____

D:\BP Projects\2021 Projects\21-048 Prince Place Plat\21-048 Prince Place.dwg, 5/21/2021 1:08:11 PM, DWG To PDF.pc3



GROUND FLOOR PLAN BUILDING 'A'



SECOND FLOOR PLAN BUILDING 'A'

NORTH

KIMBERLY A. DELLASTATIOUS, P.A.
ARCHITECTURE & PLANNING
LIC #AR 0011556

802 W WINDWARD WAY, #308
LANTANA, FLORIDA 33462
(561) 582-5622
kimdell@kd-architect.com

SEAL

KIMBERLY A. DELLASTATIOUS
REGISTERED FLORIDA ARCHITECT
AR0011556

TO THE BEST OF THE ARCHITECT'S KNOWLEDGE THE PLANS AND SPECIFICATIONS COMPLY WITHIN THE APPLICABLE BUILDING CODES AND LOCAL MUNICIPAL ORDINANCES. ALL DRAWINGS, SPECIFICATIONS OR WRITTEN MATERIALS APPEARING HEREIN CONSTITUTES THE WORK OF THE ARCHITECT AND MAY NOT BE DUPLICATED OR DISCLOSED WITHOUT THE WRITTEN CONSENT OF THE FLORIDA LICENSED ARCHITECT OF RECORD. COPYRIGHT - 2021 KIMBERLY A. DELLASTATIOUS, P.A.

PRESENTATION PLANS

Prince Place

307 Prince Drive
Palm Springs, FL 33461

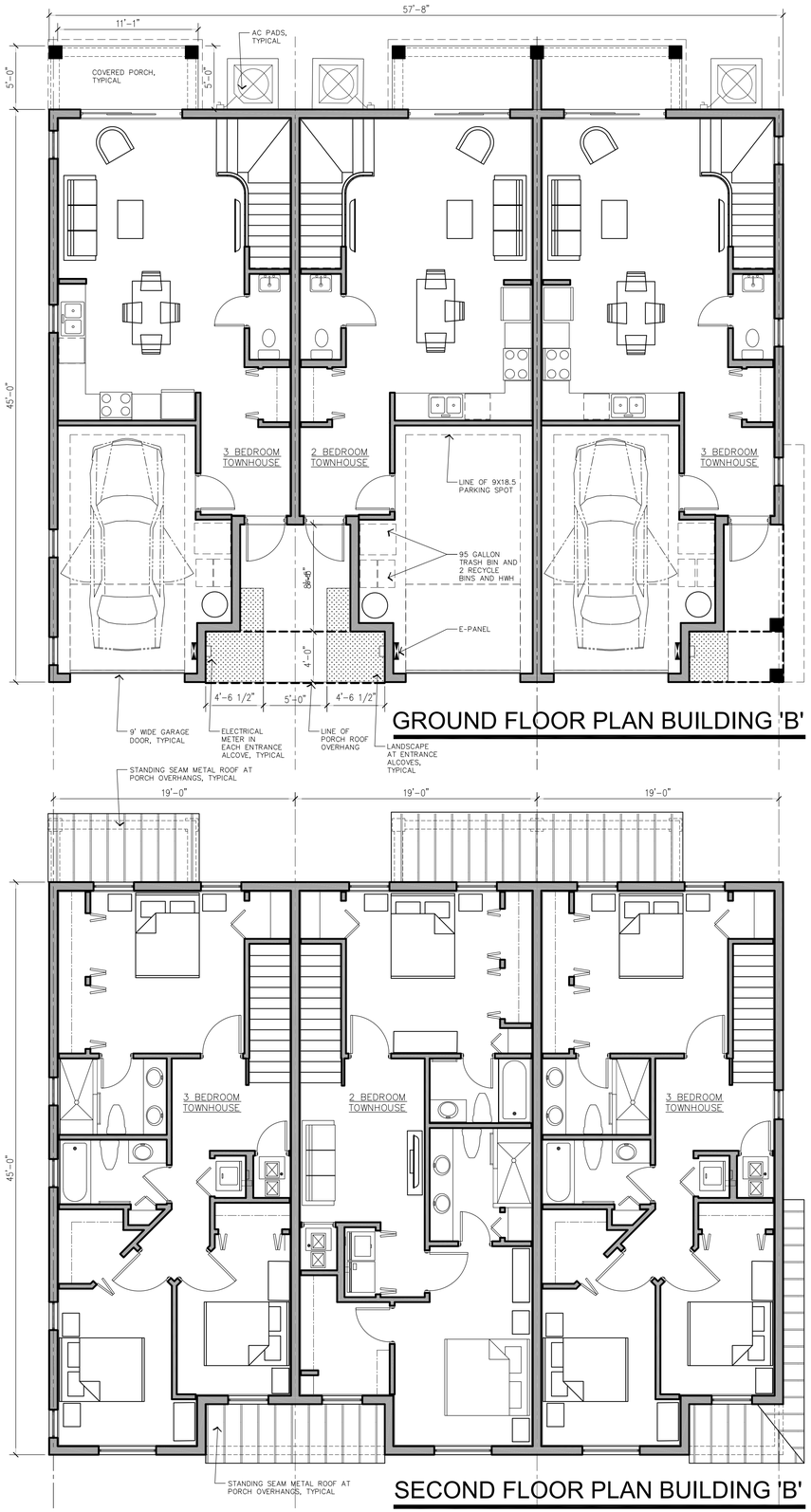
SUBMITTAL DATES
TO CLIENT

PROGRESS PRINT DATE

REVISION DATES
1 POSITION NORTH ARROW LABEL TOWNHOUSE UNIT 06.30.21
2 POSITION DRAWING TO SHOW NORTH ARROW 'UP' 07.28.21

DRAWN KD
CHECKED KD
DATE 06.01.2021
SCALE 3/16" = 1'-0"
PROJECT NO. 21722

SHEET
5 UNIT BLDG 'A' FLOOR PLAN
A1.0



KIMBERLY A. DELLASTATIOUS, P.A.
ARCHITECTURE & PLANNING
LIC #AR 0011556

802 W WINDWARD WAY, #308
LANTANA, FLORIDA 33462
(561) 582-5622
kimdell@kd-architect.com

SEAL

KIMBERLY A. DELLASTATIOUS
REGISTERED FLORIDA ARCHITECT
AR0011556

TO THE BEST OF THE ARCHITECT'S KNOWLEDGE THE PLANS AND SPECIFICATIONS COMPLY WITHIN THE APPLICABLE BUILDING CODES AND LOCAL MUNICIPAL ORDINANCES. ALL DRAWINGS, SPECIFICATIONS OR WRITTEN MATERIALS APPEARING HEREIN CONSTITUTES THE WORK OF THE ARCHITECT AND MAY NOT BE DUPLICATED OR DISCLOSED WITHOUT THE WRITTEN CONSENT OF THE FLORIDA LICENSED ARCHITECT OF RECORD. COPYRIGHT - 2021 KIMBERLY A. DELLASTATIOUS, P.A.

PRESENTATION PLANS

Prince Place

307 Prince Drive
Palm Springs, FL 33461

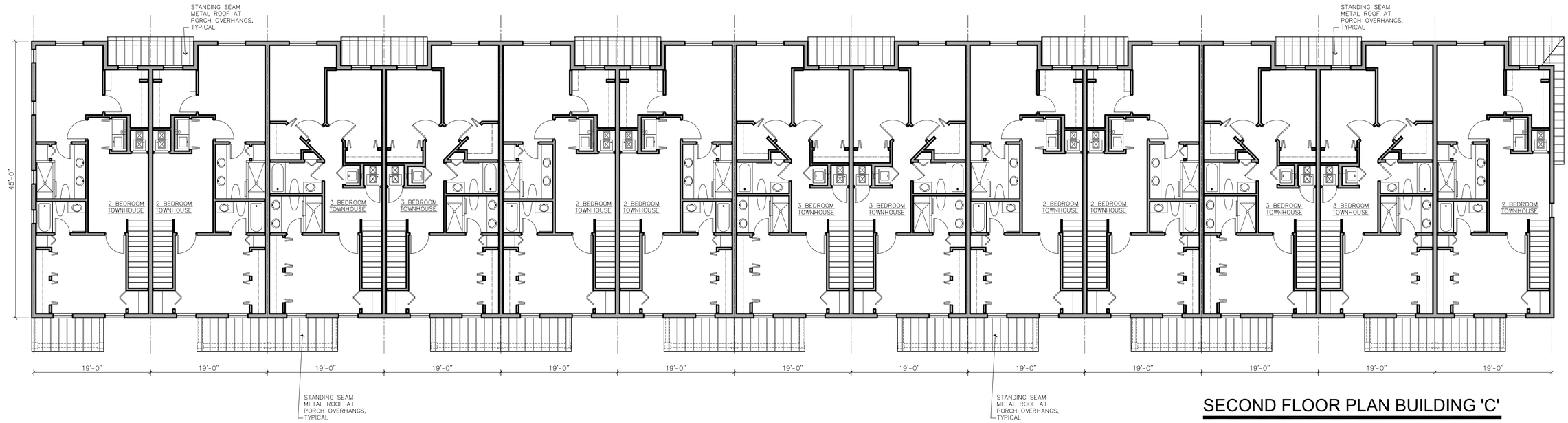
SUBMITTAL DATES
TO CLIENT -

PROGRESS PRINT DATE
- -

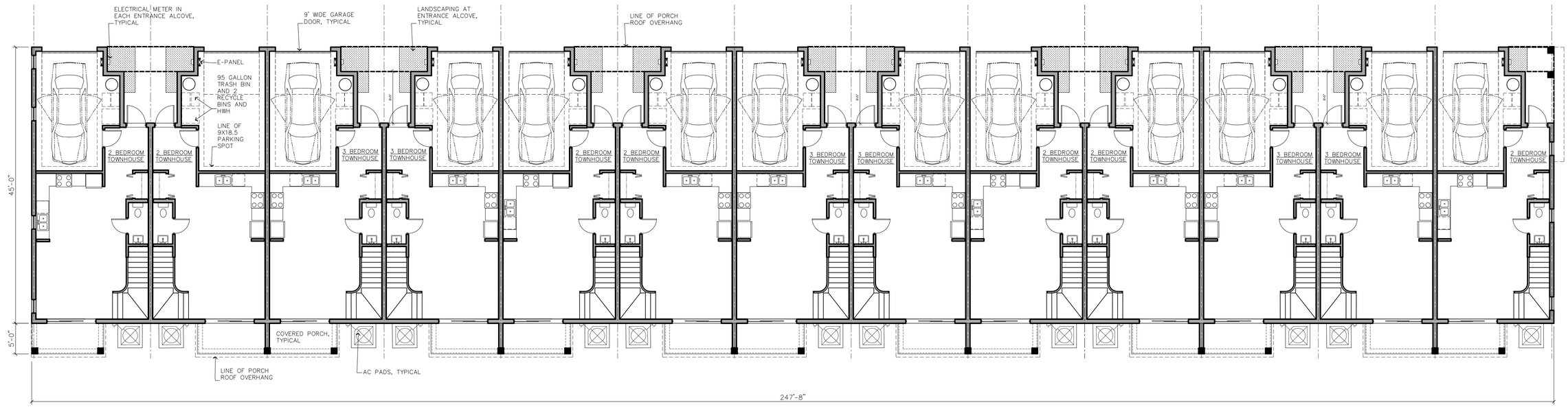
REVISION DATES
1 POSITION NORTH ARROW LABEL TOWNHOUSE UNIT 06.30.21
2 REMOVE 2 UNITS AT BUILDING B 07.28.21

DRAWN KD
CHECKED KD
DATE 06.01.2021
SCALE 3/16" = 1'-0"
PROJECT NO. 21722

SHEET
3 UNIT BLDG 'B' FLOOR PLANS
A2.0



SECOND FLOOR PLAN BUILDING 'C'



GROUND FLOOR PLAN BUILDING 'C'

NORTH

KIMBERLY A. DELLASTATIOUS, P.A.
ARCHITECTURE & PLANNING
LIC #AR 0011556

802 W WINDWARD WAY, #308
LANTANA, FLORIDA 33462
(561) 582-5622
kimdell@kd-architect.com

SEAL

KIMBERLY A. DELLASTATIOUS
REGISTERED FLORIDA ARCHITECT
AR0011556

TO THE BEST OF THE ARCHITECT'S KNOWLEDGE THE PLANS AND SPECIFICATIONS COMPLY WITHIN THE APPLICABLE BUILDING CODES AND LOCAL MUNICIPAL ORDINANCES. ALL DRAWINGS, SPECIFICATIONS OR WRITTEN MATERIALS APPEARING HEREIN CONSTITUTES THE WORK OF THE ARCHITECT AND MAY NOT BE DUPLICATED OR DISCLOSED WITHOUT THE WRITTEN CONSENT OF THE FLORIDA LICENSED ARCHITECT OF RECORD. COPYRIGHT - 2021 KIMBERLY A. DELLASTATIOUS, P.A.

PRESENTATION PLANS

Prince Place

307 Prince Drive
Palm Springs, FL 33461

SUBMITTAL DATES
TO CLIENT -

PROGRESS PRINT DATE
-

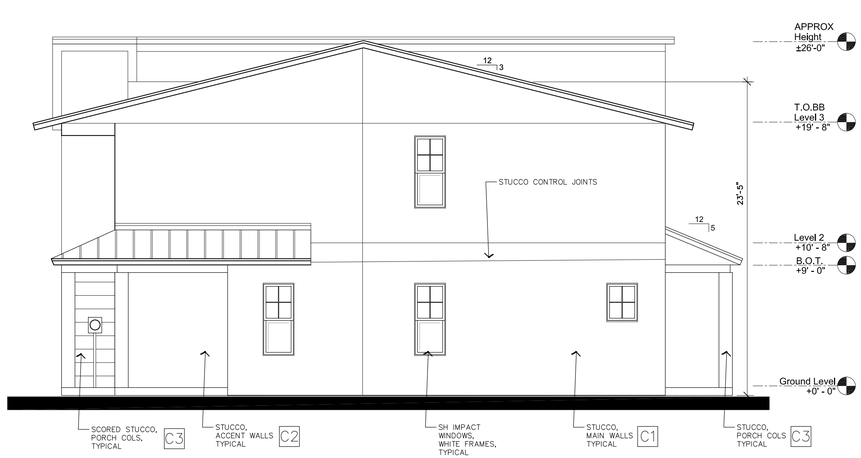
REVISION DATES
1 POSITION NORTH ARROW LABEL TOWNHOUSE UNIT 06.30.21
2 ROTATE DRAWING TO SHOW NORTH ARROW 'UP' 07.28.21

DRAWN KD
CHECKED KD
DATE 06.01.2021
SCALE 1/8" = 1'-0"
PROJECT NO. 21722

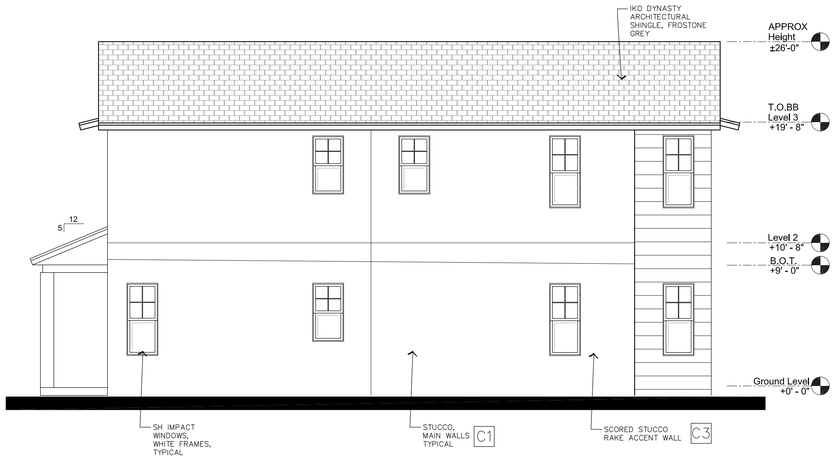
SHEET
13 UNIT BLDG 'C' FLOOR PLANS
A3.0



EAST ELEVATION 5 UNIT BUILDING 'A'



NORTH ELEVATION 5 UNIT BUILDING 'A'



SOUTH ELEVATION 5 UNIT BUILDING 'A',



WEST ELEVATION 5 UNIT BUILDING 'A'

KIMBERLY A. DELLASTATIOUS, P.A.
ARCHITECTURE & PLANNING
LIC #AR 0011556

802 W WINDWARD WAY, #308
LANTANA, FLORIDA 33462
(561) 582-5622
kimdell@kd-architect.com

SEAL

KIMBERLY A. DELLASTATIOUS
REGISTERED FLORIDA ARCHITECT
AR0011556

TO THE BEST OF THE ARCHITECT'S KNOWLEDGE THE PLANS AND SPECIFICATIONS COMPLY WITHIN THE APPLICABLE BUILDING CODES AND LOCAL MUNICIPAL ORDINANCES. ALL DRAWINGS, SPECIFICATIONS OR WRITTEN MATERIALS APPEARING HEREIN CONSTITUTES THE WORK OF THE ARCHITECT AND MAY NOT BE DUPLICATED OR DISCLOSED WITHOUT THE WRITTEN CONSENT OF THE FLORIDA LICENSED ARCHITECT OF RECORD. COPYRIGHT - 2021 KIMBERLY A. DELLASTATIOUS, P.A.

PRESENTATION PLANS

Prince Place
307 Prince Drive
Palm Springs, FL 33461

SUBMITTAL DATES
TO CLIENT -

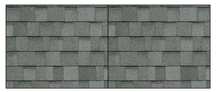
PROGRESS PRINT DATE
- -

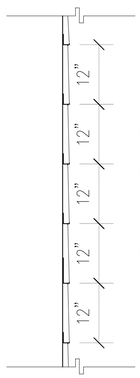
REVISION DATES
1 LABEL ELEVATION DIRECTION 06.30.21
2 REMOVE BUILDING B ELEVATIONS 07.28.21

DRAWN KD
CHECKED KD
DATE 06.01.2021
SCALE 3/16" = 1'-0"
PROJECT NO. 21722

SHEET
BLDG 'A' ELEVATION
A4.1

EXTERIOR COLOR SELECTIONS

SW 7663 **Monorail Silver** Interior / Exterior Location Number: 233-C3	EXTERIOR MAIN WALLS, C1 SHERWIN WILLIAMS SW 7663 MONORAIL SILVER
SW 7661 **Reflection** Interior / Exterior Location Number: 233-C1	EXTERIOR MAIN WALLS, C2 SHERWIN WILLIAMS SW 7661 REFLECTION
SW 9049 **Sky Fall** Interior / Exterior Location Number: 168-C3	EXTERIOR COLS + RAKE ACCENT WALLS, C3 SHERWIN WILLIAMS SW 9049 SKY FALL
SW 7757 **High Reflective White** Interior Location Number: 256-C1	EXTERIOR TRIM, C4 SHERWIN WILLIAMS SW 7757 HIGH REFLECTIVE WHITE
SW 7604 **Smoky Blue** Interior / Exterior Location Number: 233-C7	GARAGE DOORS, C5 SHERWIN WILLIAMS SW 7604 SMOKEY BLUE
SW 7604 **Smoky Blue** Interior / Exterior Location Number: 233-C7	FRONT DOORS, C5 SHERWIN WILLIAMS SW 7604 SMOKEY BLUE
	FIBERGLASS ROOF SHINGLES, C6 IKO DYNASTY ARCHITECTURAL SHINGLE – FROSTONE GREY
	EXTREME METAL, STANDING SEAM ROOFING, C7 PRE–WEATHERED GALVALUME



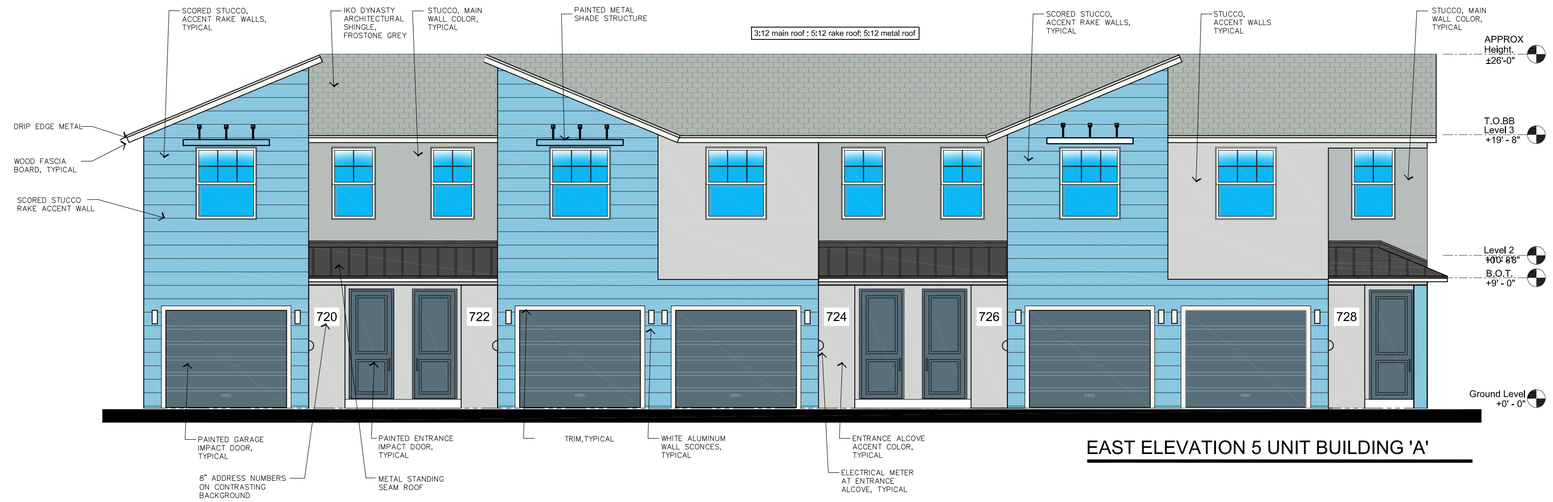
WALL SCORING DETAIL AT RAKE WALLS

STUCCO SCORE DETAIL:
AMBB–LAP SIDING BANDING BEAD IN 1" GROUND A, AND 3/4" GROUND B, 1–3/4" FLANGE, BY AMICO VINYL (OR EQUAL). INSTALL PER MFR. RECOMMENDATIONS.

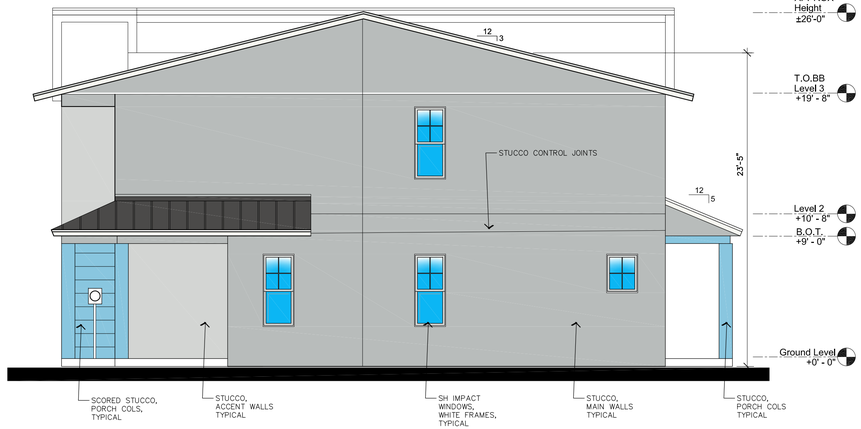
PAINT COLOR SKY BLUE – C3

ACCENT DETAIL

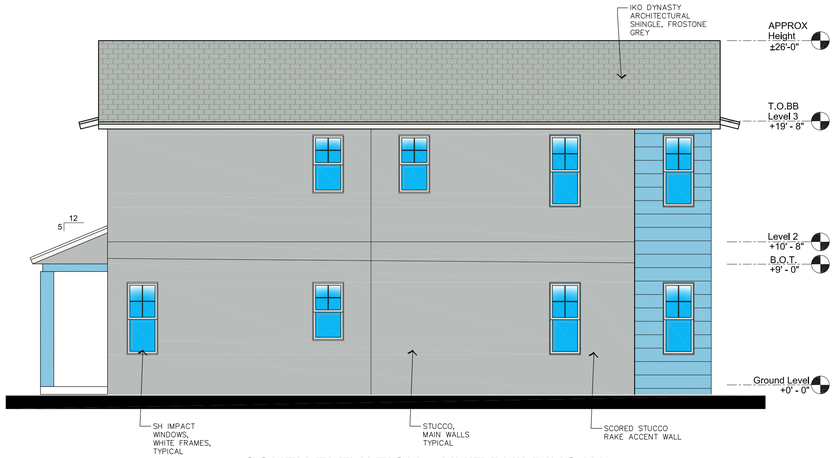
SCALE: 1/2" = 1'-0"



EAST ELEVATION 5 UNIT BUILDING 'A'



NORTH ELEVATION 5 UNIT BUILDING 'A'



SOUTH ELEVATION 5 UNIT BUILDING 'A',



WEST ELEVATION 5 UNIT BUILDING 'A'

KIMBERLY A. DELLASTATIOUS, P.A.
ARCHITECTURE & PLANNING
LIC #AR 0011556

802 W WINDWARD WAY, #308
LANTANA, FLORIDA 33462
(561) 582-5622
kimdell@kd-architect.com

SEAL

KIMBERLY A. DELLASTATIOUS
REGISTERED FLORIDA ARCHITECT
AR0011556

TO THE BEST OF THE ARCHITECT'S KNOWLEDGE THE PLANS AND SPECIFICATIONS COMPLY WITHIN THE APPLICABLE BUILDING CODES AND LOCAL MUNICIPAL ORDINANCES. ALL DRAWINGS, SPECIFICATIONS OR WRITTEN MATERIALS APPEARING HEREIN CONSTITUTES THE WORK OF THE ARCHITECT AND MAY NOT BE DUPLICATED OR DISCLOSED WITHOUT THE WRITTEN CONSENT OF THE FLORIDA LICENSED ARCHITECT OF RECORD. COPYRIGHT – 2021 KIMBERLY A. DELLASTATIOUS, P.A.

PRESENTATION PLANS

Prince Place
307 Prince Drive
Palm Springs, FL 33461

SUBMITTAL DATES
TO CLIENT -

PROGRESS PRINT DATE
- -

REVISION DATES
1 LABEL ELEVATION DIRECTION 06.30.21
2 REMOVE BUILDING B NORTH + SOUTH ELEV'S 07.28.21

DRAWN KD
CHECKED KD
DATE 06.01.2021
SCALE 1/4" = 1'-0"
PROJECT NO. 21722

SHEET
BLDG 'A' ELEVATION
A4.2



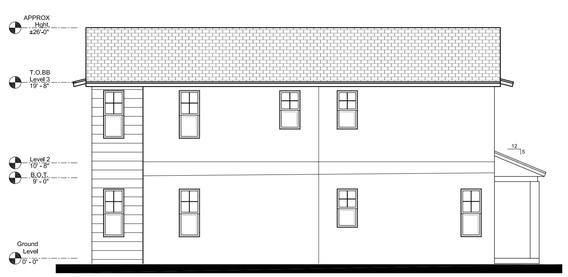
See Typical Elevation Notes and Colors on Sheets A4.1 and A4.2

NORTH ELEVATION BUILDING 'C'

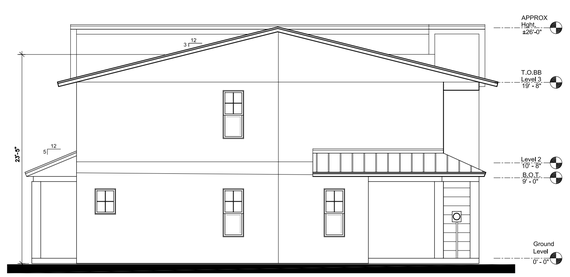


See Typical Elevation Notes and Colors on Sheets A4.1 and A4.2

SOUTH ELEVATION BUILDING 'C'



WEST ELEVATION BUILDING 'C'



EAST SIDE ELEVATION BUILDING 'C'

KIMBERLY A.
DELLASTATIOUS, P.A.
ARCHITECTURE & PLANNING
LIC #AR 0011556

802 W WINDWARD WAY, #308
LANTANA, FLORIDA 33462
(561) 582-5622
kimdell@kd-architect.com

SEAL

KIMBERLY A. DELLASTATIOUS
REGISTERED FLORIDA ARCHITECT
AR0011556

TO THE BEST OF THE ARCHITECT'S KNOWLEDGE THE PLANS AND SPECIFICATIONS COMPLY WITHIN THE APPLICABLE BUILDING CODES AND LOCAL MUNICIPAL ORDINANCES. ALL DRAWINGS, SPECIFICATIONS OR WRITTEN MATERIALS APPEARING HEREIN CONSTITUTES THE WORK OF THE ARCHITECT AND MAY NOT BE DUPLICATED OR DISCLOSED WITHOUT THE WRITTEN CONSENT OF THE FLORIDA LICENSED ARCHITECT OF RECORD. COPYRIGHT - 2021 KIMBERLY A. DELLASTATIOUS, P.A.

PRESENTATION PLANS

Prince Place
307 Prince Drive
Palm Springs, FL 33461

SUBMITTAL DATES
TO CLIENT .

PROGRESS PRINT DATE .

REVISION DATES
1 LABEL ELEVATION DIRECTION 06.30.21
2 CORRECTED BUILDING ORIENTATION PER NORTH ARROW 07.28.21

DRAWN KD
CHECKED KD
DATE 06.01.2021
SCALE 1/8" = 1'-0"
PROJECT NO. 21722

SHEET
13 UNIT BLDG 'C' ELEVATIONS
A4.3



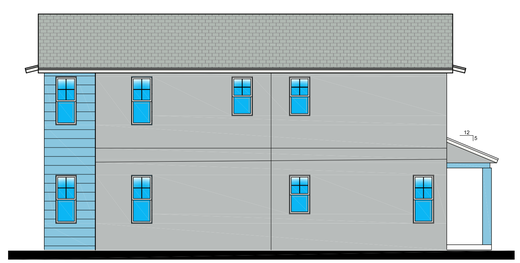
See Typical Elevation Notes and Colors on Sheets A4.1 and A4.2

NORTH ELEVATION BUILDING 'C'

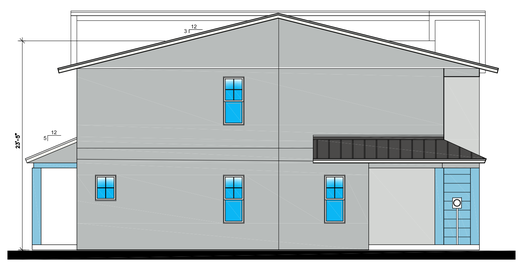


See Typical Elevation Notes and Colors on Sheets A4.1 and A4.2

SOUTH ELEVATION BUILDING 'C'



WEST SIDE ELEVATION BUILDING 'C'



EAST SIDE ELEVATION BUILDING 'C'

See Typical Elevation Notes and Colors on Sheets A4.1 and A4.2

800

KIMBERLY A. DELLASTATIOUS, P.A.
ARCHITECTURE & PLANNING
LIC #AR 0011556

802 W WINDWARD WAY, #308
LANTANA, FLORIDA 33462
(561) 582-5622
kimdell@kd-architect.com

SEAL

KIMBERLY A. DELLASTATIOUS
REGISTERED FLORIDA ARCHITECT
AR0011556

TO THE BEST OF THE ARCHITECT'S KNOWLEDGE THE PLANS AND SPECIFICATIONS COMPLY WITHIN THE APPLICABLE BUILDING CODES AND LOCAL MUNICIPAL ORDINANCES. ALL DRAWINGS, SPECIFICATIONS OR WRITTEN MATERIALS APPEARING HEREIN CONSTITUTES THE WORK OF THE ARCHITECT AND MAY NOT BE DUPLICATED OR DISCLOSED WITHOUT THE WRITTEN CONSENT OF THE FLORIDA LICENSED ARCHITECT OF RECORD. COPYRIGHT – 2021 KIMBERLY A. DELLASTATIOUS, P.A.

PRESENTATION PLANS

Prince Place

307 Prince Drive
Palm Springs, FL 33461

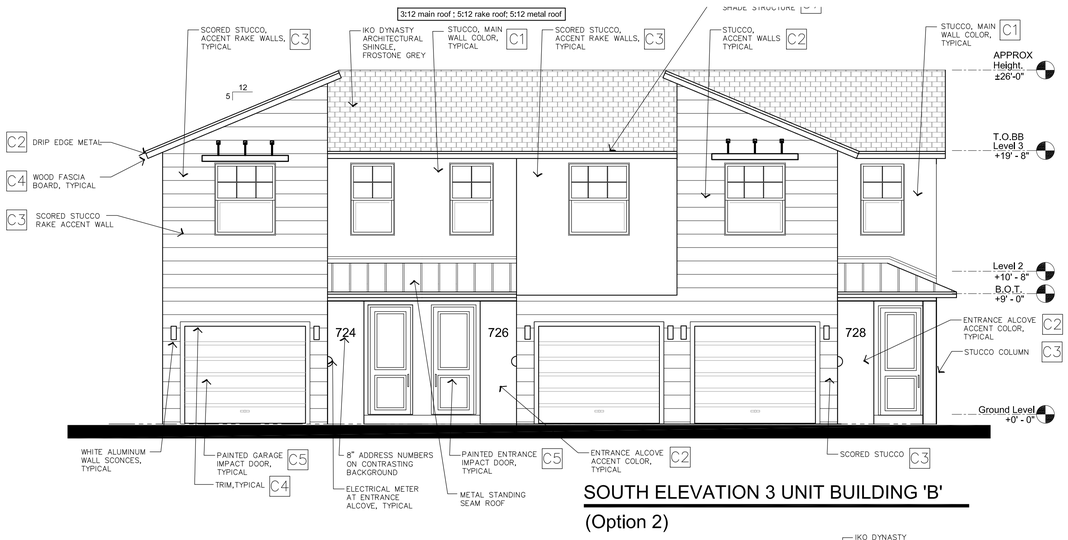
SUBMITTAL DATES
TO CLIENT -

PROGRESS PRINT DATE
- -

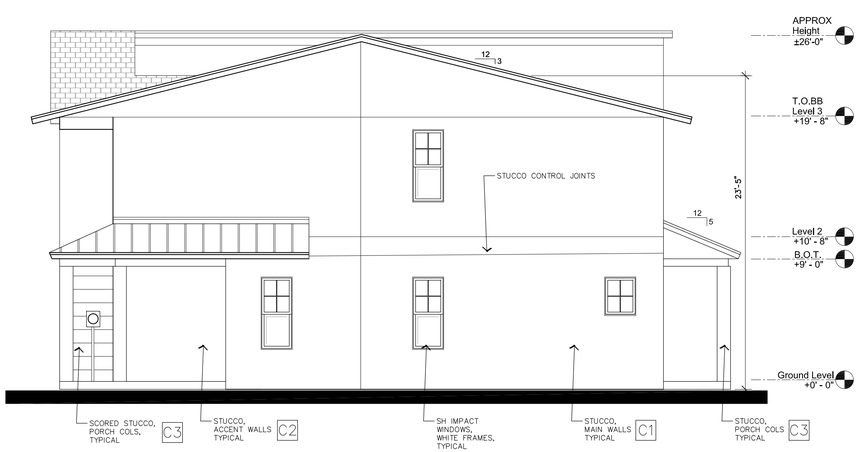
REVISION DATES
1 LABEL ELEVATION DIRECTION 06.30.21
2 CORRECTED BUILDING ORIENTATION PER NORTH ARROW 07.28.21

DRAWN KD
CHECKED KD
DATE 06.01.2021
SCALE 1/8" = 1'-0"
PROJECT NO. 21722

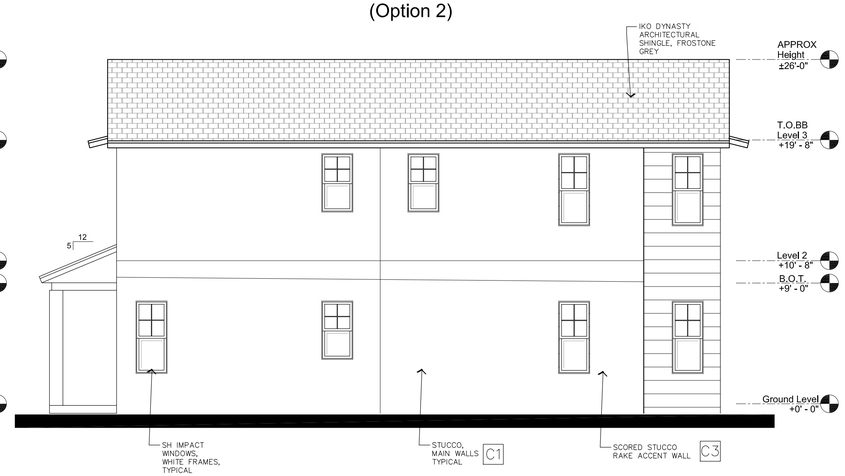
SHEET
13 UNIT BLDG 'C' ELEVATIONS
A4.4



SOUTH ELEVATION 3 UNIT BUILDING 'B'
(Option 2)



EAST ELEVATION 3 UNIT BUILDING 'B'



WEST ELEVATION 3 UNIT BUILDING 'B'



NORTH ELEVATION 3 UNIT BUILDING 'B'

KIMBERLY A. DELLASTATIOUS, P.A.
ARCHITECTURE & PLANNING
LIC #AR 0011556

802 W WINDWARD WAY, #308
LANTANA, FLORIDA 33462
(561) 582-5622
kimdell@kd-architect.com

SEAL

KIMBERLY A. DELLASTATIOUS
REGISTERED FLORIDA ARCHITECT
AR0011556

TO THE BEST OF THE ARCHITECT'S KNOWLEDGE THE PLANS AND SPECIFICATIONS COMPLY WITHIN THE APPLICABLE BUILDING CODES AND LOCAL MUNICIPAL ORDINANCES. ALL DRAWINGS, SPECIFICATIONS OR WRITTEN MATERIALS APPEARING HEREIN CONSTITUTES THE WORK OF THE ARCHITECT AND MAY NOT BE DUPLICATED OR DISCLOSED WITHOUT THE WRITTEN CONSENT OF THE FLORIDA LICENSED ARCHITECT OF RECORD. COPYRIGHT - 2021 KIMBERLY A. DELLASTATIOUS, P.A.

PRESENTATION PLANS

Prince Place
307 Prince Drive
Palm Springs, FL 33461

SUBMITTAL DATES
TO CLIENT .

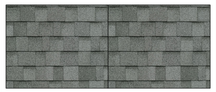
PROGRESS PRINT DATE .

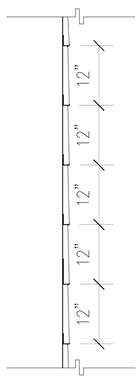
REVISION DATES
1 LABEL ELEVATION DIRECTION 06.30.21
2 NEW BUILDING B ELEVATIONS 07.28.21

DRAWN KD
CHECKED KD
DATE 06.01.2021
SCALE 3/16" = 1'-0"
PROJECT NO. 21722

SHEET
3 UNIT BLDG 'B' ELEVATIONS
A4.5(2)

EXTERIOR COLOR SELECTIONS

SW 7663 **Monorail Silver** Interior / Exterior Location Number: 233-C3	EXTERIOR MAIN WALLS, C1 SHERWIN WILLIAMS SW 7663 MONORAIL SILVER
SW 7661 **Reflection** Interior / Exterior Location Number: 233-C1	EXTERIOR MAIN WALLS, C2 SHERWIN WILLIAMS SW 7661 REFLECTION
SW 9049 **Sky Fall** Interior / Exterior Location Number: 168-C3	EXTERIOR COLS + RAKE ACCENT WALLS, C3 SHERWIN WILLIAMS SW 9049 SKY FALL
SW 7757 **High Reflective White** Interior Location Number: 256-C1	EXTERIOR TRIM, C4 SHERWIN WILLIAMS SW 7757 HIGH REFLECTIVE WHITE
SW 7604 **Smoky Blue** Interior / Exterior Location Number: 233-C7	GARAGE DOORS, C5 SHERWIN WILLIAMS SW 7604 SMOKEY BLUE
SW 7604 **Smoky Blue** Interior / Exterior Location Number: 233-C7	FRONT DOORS, C5 SHERWIN WILLIAMS SW 7604 SMOKEY BLUE
	FIBERGLASS ROOF SHINGLES, C6 IKO DYNASTY ARCHITECTURAL SHINGLE – FROSTONE GREY
	EXTREME METAL, STANDING SEAM ROOFING, C7 PRE–WEATHERED GALVALUME



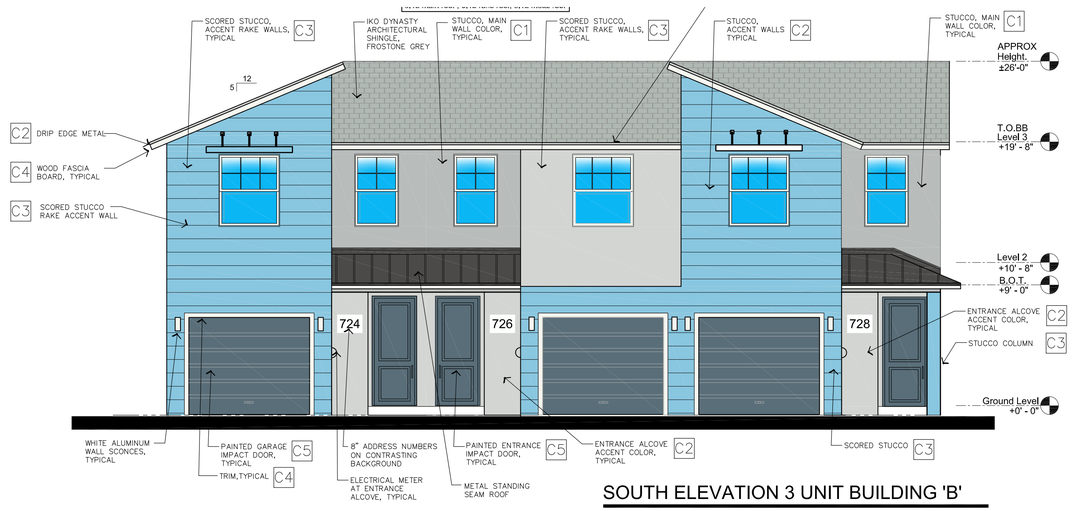
WALL SCORING DETAIL AT RAKE WALLS

STUCCO SCORE DETAIL:
AMBB–LAP SIDING BANDING
BEAD IN 1" GROUND A, AND
3/4" GROUND B, 1–3/4"
FLANGE, BY AMICO VINYL
(OR EQUAL). INSTALL PER MFR.
RECOMMENDATIONS.

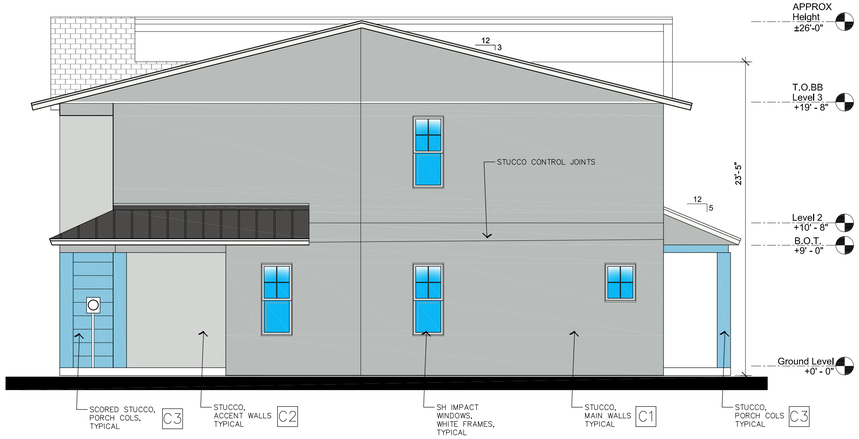
PAINT COLOR SKY BLUE – C3

ACCENT DETAIL

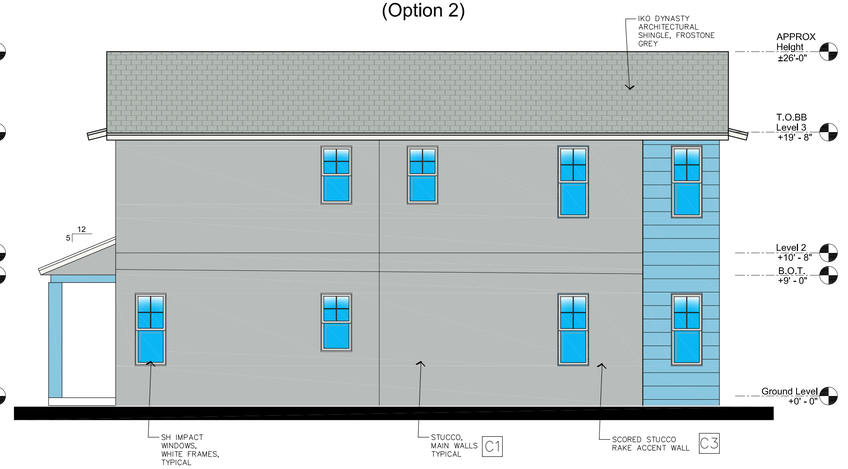
SCALE: 1/2" = 1'-0"



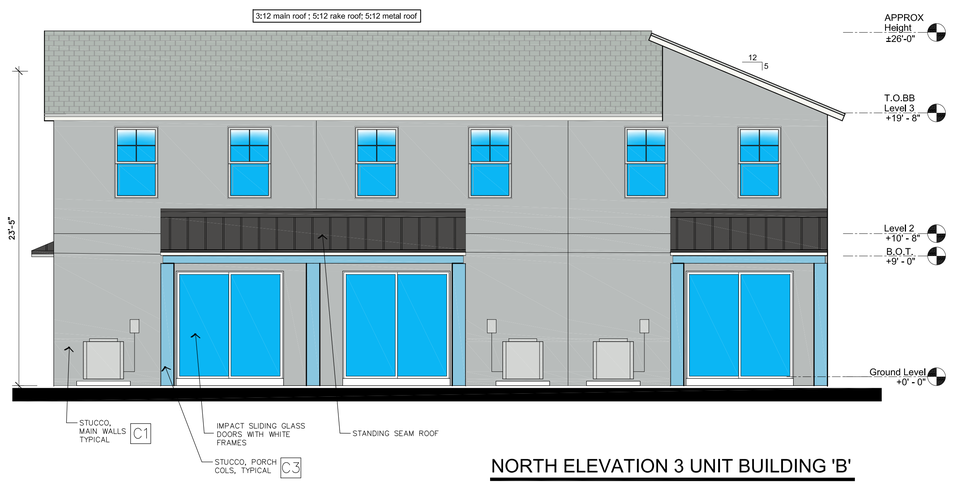
SOUTH ELEVATION 3 UNIT BUILDING 'B' (Option 2)



EAST ELEVATION 3 UNIT BUILDING 'B'



WEST ELEVATION 3 UNIT BUILDING 'B'



NORTH ELEVATION 3 UNIT BUILDING 'B'

KIMBERLY A. DELLASTATIOUS, P.A.
ARCHITECTURE & PLANNING
LIC #AR 0011556

802 W WINDWARD WAY, #308
LANTANA, FLORIDA 33462
(561) 582-5622
kimdell@kd-architect.com

SEAL

KIMBERLY A. DELLASTATIOUS
REGISTERED FLORIDA ARCHITECT
AR0011556

TO THE BEST OF THE ARCHITECT'S KNOWLEDGE THE PLANS AND SPECIFICATIONS COMPLY WITHIN THE APPLICABLE BUILDING CODES AND LOCAL MUNICIPAL ORDINANCES. ALL DRAWINGS, SPECIFICATIONS OR WRITTEN MATERIALS APPEARING HEREIN CONSTITUTES THE WORK OF THE ARCHITECT AND MAY NOT BE DUPLICATED OR DISCLOSED WITHOUT THE WRITTEN CONSENT OF THE FLORIDA LICENSED ARCHITECT OF RECORD. COPYRIGHT – 2021 KIMBERLY A. DELLASTATIOUS, P.A.

PRESENTATION PLANS

Prince Place
307 Prince Drive
Palm Springs, FL 33461

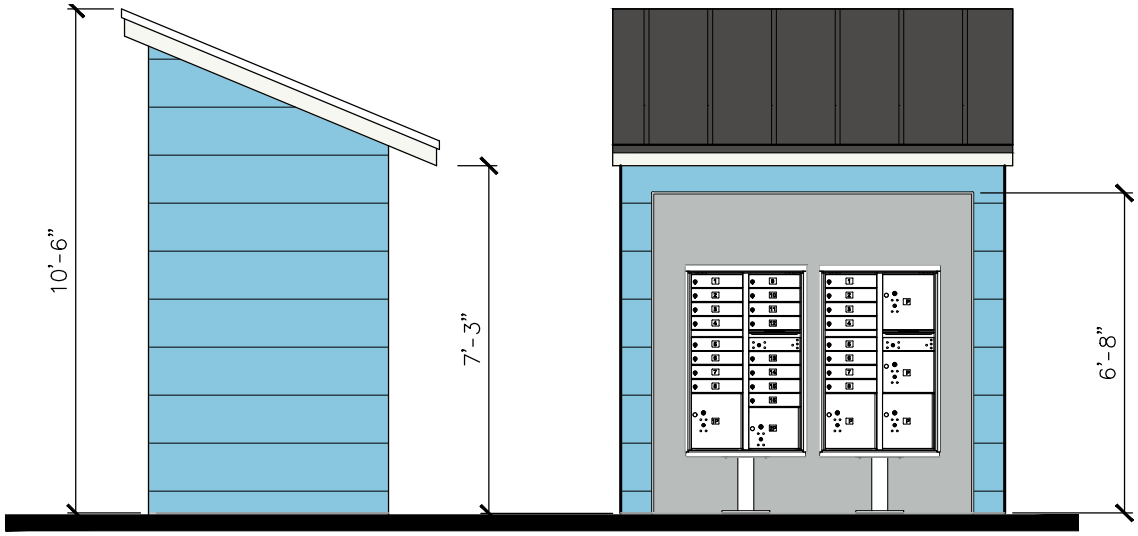
SUBMITTAL DATES
TO CLIENT

PROGRESS PRINT DATE

REVISION DATES
1 LABEL ELEVATION DIRECTION 06.30.21
2 NEW BULDING B NORTH + SOUTH ELEV'S 07.28.21

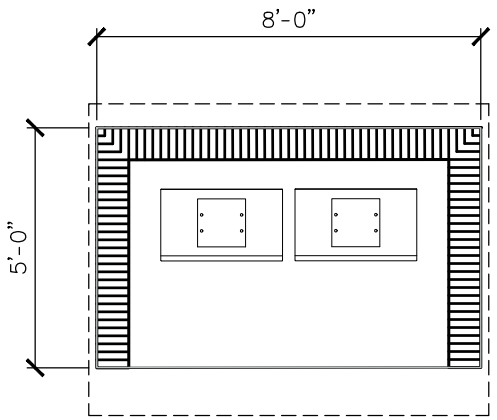
DRAWN KD
CHECKED KD
DATE 06.01.2021
SCALE 1/4" = 1'-0"
PROJECT NO. 21722

SHEET
3 UNIT BLDG 'B' ELEVATION
A4.6(2)

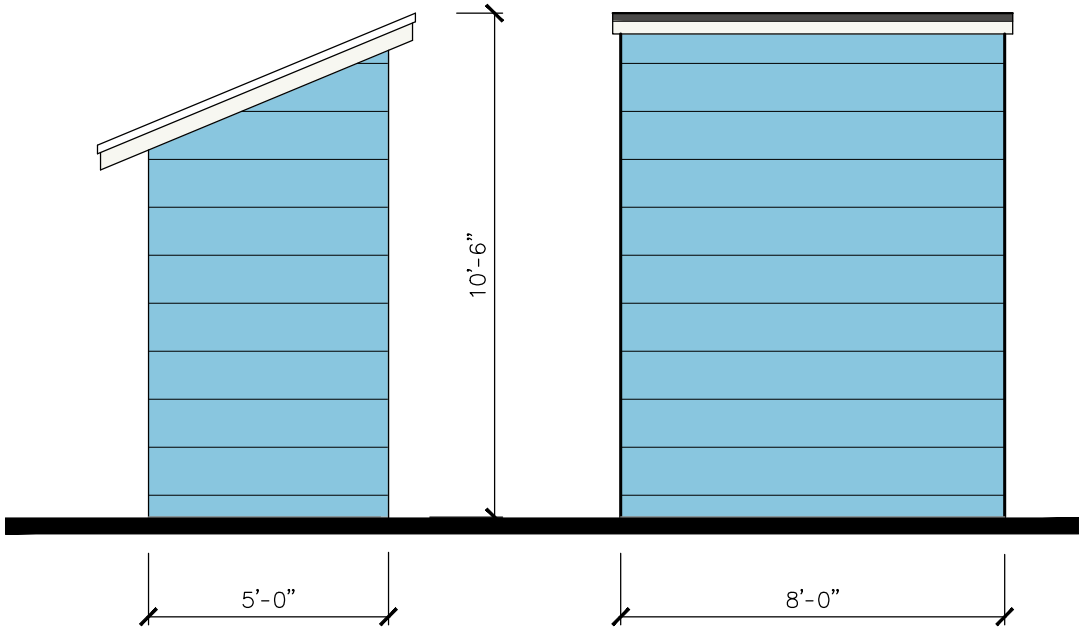


North

East Elevation



Mail Kiosk Plan



South

West Elevation

INTERIOR MAIN WALLS, C1
SHERWIN WILLIAMS
SW 7663
MONORAIL SILVER

EXTERIOR WALLS, C3
W/ STUCCO SCORE TO MATCH BLDG
SHERWIN WILLIAMS
SW 9049
SKY FALL

EXTREME METAL,
STANDING SEAM ROOFING, C7
PRE-WEATHERED GALVALUME

Bob Buggee, Inc.
"The Surveyor"
P.O. Box 3887
Boynton Beach, FL
33424
bobbuggee@bellsouth.net
Office: 561-732-7877 Fax: 561-739-9801

INVOICE

MARCH 31, 2021

MILES RICH
RICHBUILT CONSTRUCTION
JSM DELRAY LLC
17290 WHITEHAVEN DRIVE
BOCA RATON, FL 33496
561-927-7885
milesrich@me.com

DATE RECEIVED: 3/29/21
DATE NEEDED: ASAP
TREE SURVEY

DWG# 0104721 A.

FLOOD ZONE: X
CITY OF LAKE WORTH: 12099C
PANEL NO. 125102 0781F
DATE: 10-5-17

PROPERTY ADDRESS:
1. 3098 FERRELL DR, PALM SPRINGS
2. VACANT LOT, PALM SPRINGS
3. 3075 PRINCE DR, PALM SPRINGS

LEGAL DESCRIPTION:
SEE ATTACHED

TREE SURVEY.....$ 325.00

THANK YOU FOR ALLOWING US TO PROVIDE YOU WITH THIS SURVEY AND HOPE WE CAN BE OF FURTHER ASSISTANCE TO YOU IN THE FUTURE.

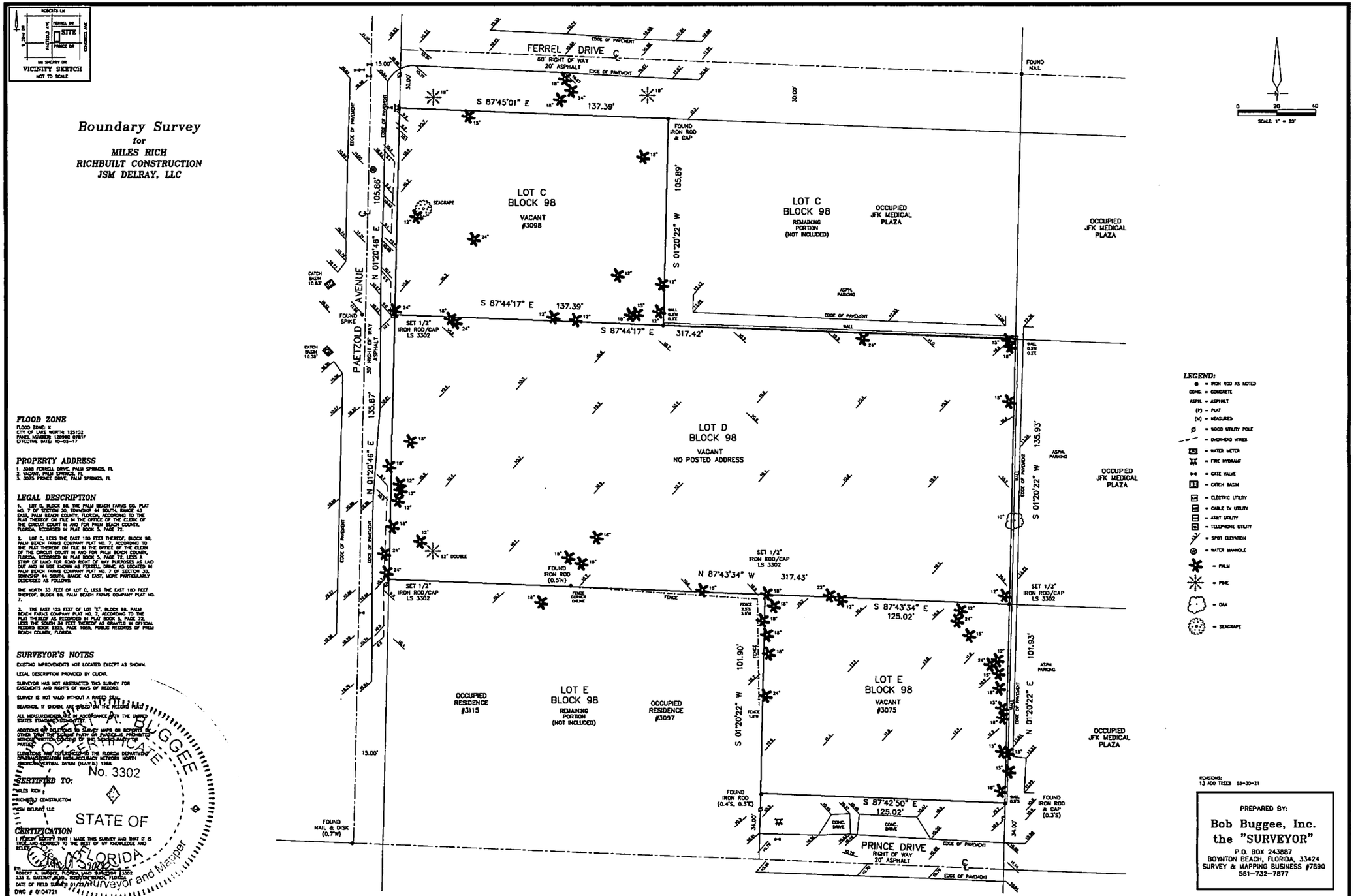
LEGAL DESCRIPTION

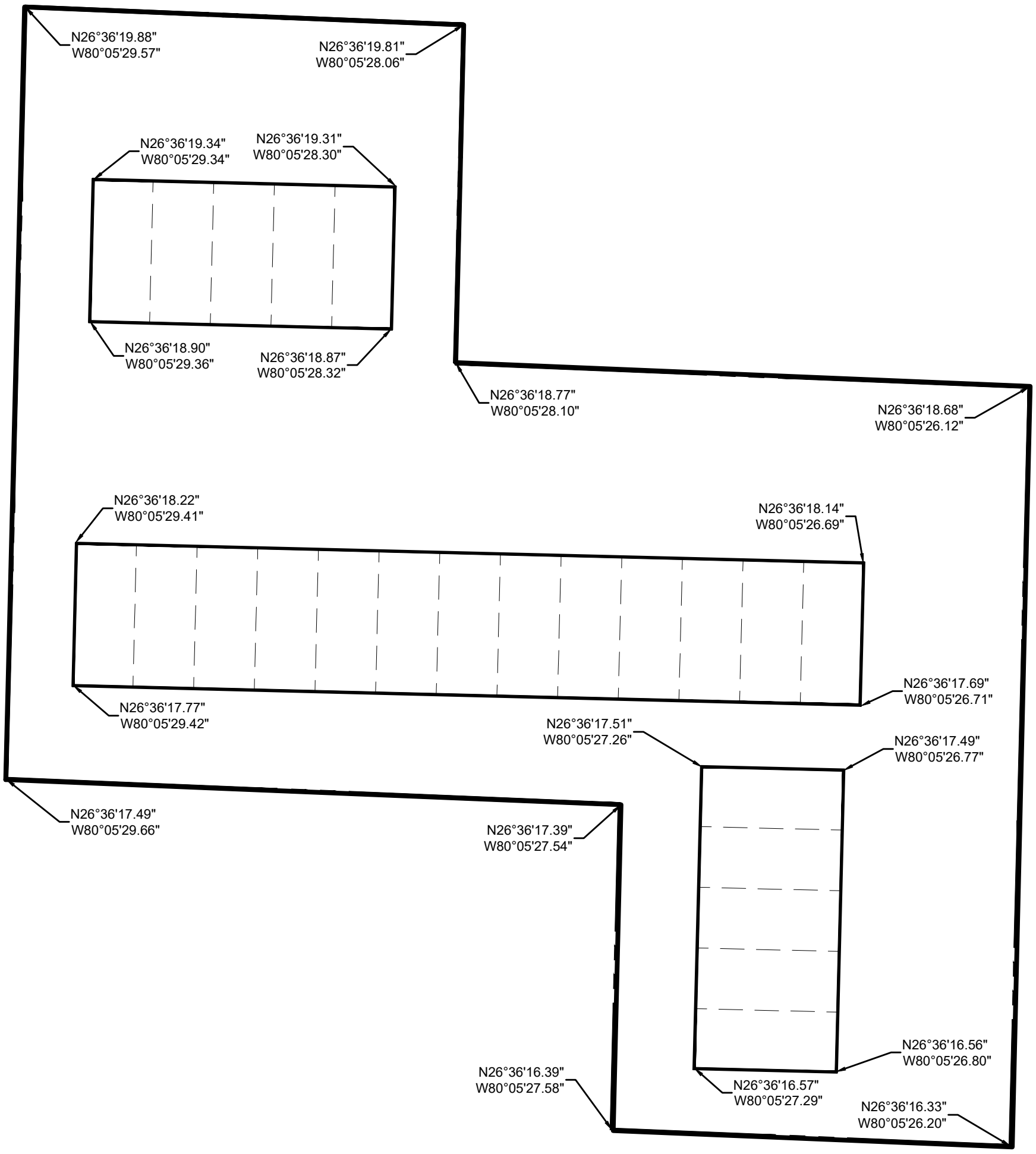
1. LOT D, BLOCK 98, THE PALM BEACH FARMS CO. PLAT NO. 7 OF SECTION 30, TOWNSHIP 44 SOUTH, RANGE 43 EAST, PALM BEACH COUNTY, FLORIDA, ACCORDING TO THE PLAT THEREOF ON FILE IN THE OFFICE OF THE CLERK OF THE CIRCUIT COURT IN AND FOR PALM BEACH COUNTY, FLORIDA, RECORDED IN PLAT BOOK 5, PAGE 72.

2. LOT C, LESS THE EAST 180 FEET THEREOF, BLOCK 98, PALM BEACH FARMS COMPANY PLAT NO. 7, ACCORDING TO THE PLAT THEREOF ON FILE IN THE OFFICE OF THE CLERK OF THE CIRCUIT COURT IN AND FOR PALM BEACH COUNTY, FLORIDA, RECORDED IN PLAT BOOK 5, PAGE 72, LESS A STRIP OF LAND FOR ROAD RIGHT OF WAY PURPOSES AS LAID OUT AND IN USE KNOWN AS FERRELL DRIVE, AS LOCATED IN PALM BEACH FARMS COMPANY PLAT NO. 7 OF SECTION 30, TOWNSHIP 44 SOUTH, RANGE 43 EAST, MORE PARTICULARLY DESCRIBED AS FOLLOWS:

   THE NORTH 30 FEET OF LOT C, LESS THE EAST 180 FEET THEREOF, BLOCK 98, PALM BEACH FARMS COMPANY PLAT NO. 7.

3. THE EAST 125 FEET OF LOT "E", BLOCK 98, PALM BEACH FARMS COMPANY PLAT NO. 7, ACCORDING TO THE PLAT THEREOF AS RECORDED IN PLAT BOOK 5, PAGE 72, LESS THE SOUTH 34 FEET THEREOF AS GRANTED IN OFFICIAL RECORD BOOK 2225, PAGE 1069, PUBLIC RECORDS OF PALM BEACH COUNTY, FLORIDA.


VICINITY SKETCH
NOT TO SCALE
SITE
FERREL DR
PRINCE DR
PAETZOLD AVE
CONGRESS AVE
Boundary Survey
for
MILES RICH
RICHBUILT CONSTRUCTION
JSM DELRAY, LLC
FERREL DRIVE
60' RIGHT OF WAY
20' ASPHALT
EDGE OF PAVEMENT
FOUND NAIL
S 87°45'01" E
137.39'
FOUND IRON ROD & CAP
105.89'
S 01°20'22" W
LOT C
BLOCK 98
VACANT
#3098
LOT C
BLOCK 98
REMAINING PORTION
(NOT INCLUDED)
OCCUPIED JFK MEDICAL PLAZA
PAETZOLD AVENUE
30' HALF OF R/W
ASPHALT
N 01°20'46" E
105.86'
135.87'
FOUND SPIKE
SET 1/2" IRON ROD/CAP LS 3302
S 87°44'17" E
137.39'
317.42'
LOT D
BLOCK 98
VACANT
NO POSTED ADDRESS
135.93'
FOUND IRON ROD (0.5'W)
N 87°43'34" W
317.43'
S 87°43'34" E
125.02'
LOT E
BLOCK 98
REMAINING PORTION
(NOT INCLUDED)
LOT E
BLOCK 98
VACANT
#3075
OCCUPIED RESIDENCE #3115
OCCUPIED RESIDENCE #3097
101.90'
101.93'
N 01°20'22" E
15.00'
FOUND NAIL & DISK (0.7'W)
FOUND IRON ROD (0.4'S, 0.3'E)
S 87°42'50" E
125.02'
FOUND IRON ROD & CAP (0.3'S)
PRINCE DRIVE
RIGHT OF WAY
20' ASPHALT
CONC. DRIVE
ASPH. PARKING
FENCE
SEAGRAPE
CATCH BASIN
FLOOD ZONE
FLOOD ZONE: X
CITY OF LAKE WORTH 125102
PANEL NUMBER: 12099C 0761F
EFFECTIVE DATE: 10-05-17
PROPERTY ADDRESS
1. 3098 FERRELL DRIVE, PALM SPRINGS, FL
2. VACANT, PALM SPRINGS, FL
3. 3075 PRINCE DRIVE, PALM SPRINGS, FL
LEGAL DESCRIPTION
1. LOT D, BLOCK 98, THE PALM BEACH FARMS CO. PLAT NO. 7 OF SECTION 30, TOWNSHIP 44 SOUTH, RANGE 43 EAST, PALM BEACH COUNTY, FLORIDA, ACCORDING TO THE PLAT THEREOF ON FILE IN THE OFFICE OF THE CLERK OF THE CIRCUIT COURT IN AND FOR PALM BEACH COUNTY, FLORIDA, RECORDED IN PLAT BOOK 5, PAGE 72.
2. LOT C, LESS THE EAST 180 FEET THEREOF, BLOCK 98, PALM BEACH FARMS COMPANY PLAT NO. 7, ACCORDING TO THE PLAT THEREOF ON FILE IN THE OFFICE OF THE CLERK OF THE CIRCUIT COURT IN AND FOR PALM BEACH COUNTY, FLORIDA, RECORDED IN PLAT BOOK 5, PAGE 72, LESS A STRIP OF LAND FOR ROAD RIGHT OF WAY PURPOSES AS LAID OUT AND IN USE KNOWN AS FERRELL DRIVE, AS LOCATED IN PALM BEACH FARMS COMPANY PLAT NO. 7 OF SECTION 30, TOWNSHIP 44 SOUTH, RANGE 43 EAST, MORE PARTICULARLY DESCRIBED AS FOLLOWS:
THE NORTH 30 FEET OF LOT C, LESS THE EAST 180 FEET THEREOF, BLOCK 98, PALM BEACH FARMS COMPANY PLAT NO. 7.
3. THE EAST 125 FEET OF LOT "E", BLOCK 98, PALM BEACH FARMS COMPANY PLAT NO. 7, ACCORDING TO THE PLAT THEREOF AS RECORDED IN PLAT BOOK 5, PAGE 72, LESS THE SOUTH 34 FEET THEREOF AS GRANTED IN OFFICIAL RECORD BOOK 2325, PAGE 1055, PUBLIC RECORDS OF PALM BEACH COUNTY, FLORIDA.
SURVEYOR'S NOTES
EXISTING IMPROVEMENTS NOT LOCATED EXCEPT AS SHOWN.
LEGAL DESCRIPTION PROVIDED BY CLIENT.
SURVEYOR HAS NOT ABSTRACTED THIS SURVEY FOR EASEMENTS AND RIGHTS OF WAYS OF RECORD.
SURVEY IS NOT VALID WITHOUT A RAISED SEAL.
BEARINGS, IF SHOWN, ARE BASED ON THE RECORD PLAT.
ALL MEASUREMENTS ARE IN ACCORDANCE WITH THE UNITED STATES STANDARD DATUM.
ADDITIONS OR DELETIONS TO SURVEY MAPS OR REPORTS BY OTHER THAN THE SURVEYING PARTY OR PARTIES IS PROHIBITED WITHOUT WRITTEN CONSENT OF THE SURVEYOR AND/OR PARTIES.
ELEVATIONS ARE ESTABLISHED TO THE FLORIDA DEPARTMENT OF TRANSPORTATION HIGH ACCURACY NETWORK NORTH AMERICAN VERTICAL DATUM (NAVD 88) 1988.
CERTIFIED TO:
MILES RICH
RICHBUILT CONSTRUCTION
JSM DELRAY LLC
CERTIFICATION
I HEREBY CERTIFY THAT I MADE THIS SURVEY AND THAT IT IS TRUE AND CORRECT TO THE BEST OF MY KNOWLEDGE AND BELIEF.
BY: ROBERT A. BUGGEE, FLORIDA LAND SURVEYOR #3302
333 E. GATEWAY BLVD., BOYNTON BEACH, FLORIDA
DATE OF FIELD SURVEY: 9/30/21
DWG # 0104721
ROBERT A. BUGGEE
No. 3302
STATE OF FLORIDA
Professional Surveyor and Mapper
LEGEND:
IRON ROD AS NOTED
CONC. = CONCRETE
ASPH. = ASPHALT
(P) = PLAT
(M) = MEASURED
WOOD UTILITY POLE
OVERHEAD WIRES
WATER METER
FIRE HYDRANT
GATE VALVE
CATCH BASIN
ELECTRIC UTILITY
CABLE TV UTILITY
AT&T UTILITY
TELEPHONE UTILITY
SPOT ELEVATION
WATER MANHOLE
PALM
PINE
OAK
SEAGRAPE
0 20 40
SCALE: 1" = 20'
REVISIONS:
1) ADD TREES 10-30-21
PREPARED BY:
Bob Buggee, Inc.
the "SURVEYOR"
P.O. BOX 243887
BOYNTON BEACH, FLORIDA, 33424
SURVEY & MAPPING BUSINESS #7890
561-732-7877



S:\2021 drawing files\21-048\21-048 Prince Place file with 5-12-21 site plan added for FAA coordinates.dwg, 6/17/2021 7:48:55 AM

Please review the coordinates filed as they are duplicate coordinates. Please respond electronically to the ADD letter with the corrected coordinates. Do not file another aeronautical study.

Here are the corrected coordinates for the 3 buildings we will be constructing. There are 12 coordinates (4 per box building x 3 buildings).

Thank You

North building

N26°36’19.34”
W80°05’29.34”

N26°36’19.31”
W80°05’28.30”

N26°36’18.90”
W80°05’29.36”

N26°36’18.87”
W80°05’28.32”

Middle building

N26°36’18.22”
W80°05’29.41”

N26°36’18.14”
W80°05’26.69”

N26°36’17.77”
W80°05’29.42”

N26°36’17.69”
W80°05’26.71”

South building

N26°36’17.51”
W80°05’27.26”

N26°36’17.49”
W80°05’26.77”

N26°36’16.57”
W80°05’27.29”

N26°36’16.56”
W80°05’26.80”

Mail Processing Center
Federal Aviation Administration
Southwest Regional Office
Obstruction Evaluation Group
10101 Hillwood Parkway
Fort Worth, TX 76177

Aeronautical Study No.
2021-ASO-19323-OE

Issued Date: 06/17/2021

Spencer Rich
Princeton Court LLC
17290 Whitehaven Drive
Boca Raton, FL 33496

****DETERMINATION OF NO HAZARD TO AIR NAVIGATION FOR TEMPORARY STRUCTURE****

The Federal Aviation Administration has conducted an aeronautical study under the provisions of 49 U.S.C., Section 44718 and if applicable Title 14 of the Code of Federal Regulations, part 77, concerning:

Structure:	Construction Equipment Construction Equipment
Location:	Village of Palm Springs, FL
Latitude:	26-36-16.00N NAD 83
Longitude:	80-05-30.00W
Heights:	12 feet site elevation (SE)
	30 feet above ground level (AGL)
	42 feet above mean sea level (AMSL)

This aeronautical study revealed that the temporary structure does not exceed obstruction standards and would not be a hazard to air navigation provided the condition(s), if any, in this letter is (are) met:

SEE ATTACHMENT FOR ADDITIONAL CONDITION(S) OR INFORMATION

This determination is based, in part, on the foregoing description which includes specific coordinates, heights, frequency(ies) and power. Any changes in coordinates, heights and frequencies or use of greater power, except those frequencies specified in the Colo Void Clause Coalition; Antenna System Co-Location; Voluntary Best Practices, effective 21 Nov 2007, will void this determination. Any future construction or alteration, including increase to heights, power or the addition of other transmitters, requires separate notice to the FAA. This determination includes all previously filed frequencies and power for this structure.

This determination does include temporary construction equipment such as cranes, derricks, etc., which may be used during actual construction of a structure. However, this equipment shall not exceed the overall heights as indicated above. Equipment which has a height greater than the studied structure requires separate notice to the FAA.

This determination concerns the effect of this temporary structure on the safe and efficient use of navigable airspace by aircraft and does not relieve the sponsor of compliance responsibilities relating to any law, ordinance, or regulation of any Federal, State, or local government body.

A copy of this determination will be forwarded to the Federal Aviation Administration Flight Procedures Office if the structure is subject to the issuance of a Notice To Airman (NOTAM).

If you have any questions, please contact our office at (404) 305-6462, or mike.blaich@faa.gov. On any future correspondence concerning this matter, please refer to Aeronautical Study Number 2021-ASO-19323-OE

Signature Control No: 482064467-485085724 (TMP)
Michael Blaich
Specialist

Proposal: To construct and/or operate a(n) Construction Equipment to a height of 30 feet above ground level, 42 feet above mean sea level.

Location: The structure will be located 0.83 nautical miles northwest of LNA Airport reference point.

Part 77 Obstruction Standard(s) Exceeded and Aeronautical Impacts, if any:

Based on this aeronautical study, the structure would not constitute a substantial adverse effect on aeronautical operations or procedures because it will be temporary. The temporary structure would not be considered a hazard to air navigation provided all of the conditions specified in this determination are strictly met.

Based on this evaluation, marking and lighting are not necessary for aviation safety. However, if marking/ lighting are accomplished on a voluntary basis, we recommend it be installed in accordance with FAA Advisory circular 70/7460-1 M.

It is required that the manager of PALM BEACH COUNTY PARK, (561) 471-7420 be notified at least 3 business days prior to the temporary structure being erected and again when the structure is removed from the site.

This determination expires on 12/17/2022 unless extended, revised, or terminated by the issuing office.

NOTE: REQUEST FOR EXTENSION OF THE EFFECTIVE PERIOD OF THIS DETERMINATION MUST BE E-FILED AT LEAST 15 DAYS PRIOR TO THE EXPIRATION DATE. AFTER RE-EVALUATION OF CURRENT OPERATIONS IN THE AREA OF THE STRUCTURE TO DETERMINE THAT NO SIGNIFICANT AERONAUTICAL CHANGES HAVE OCCURRED, YOUR DETERMINATION MAY BE ELIGIBLE FOR ONE EXTENSION OF THE EFFECTIVE PERIOD.

Temporary equipment used for building construction.

TOPO Map for ASN 2021-ASO-19323-OE



Sectional Map for ASN 2021-ASO-19323-OE



Mail Processing Center
Federal Aviation Administration
Southwest Regional Office
Obstruction Evaluation Group
10101 Hillwood Parkway
Fort Worth, TX 76177

Aeronautical Study No.
2021-ASO-19324-OE

Issued Date: 06/17/2021

Spencer Rich
Princeton Court LLC
17290 Whitehaven Drive
Boca Raton, FL 33496

****DETERMINATION OF NO HAZARD TO AIR NAVIGATION FOR TEMPORARY STRUCTURE****

The Federal Aviation Administration has conducted an aeronautical study under the provisions of 49 U.S.C., Section 44718 and if applicable Title 14 of the Code of Federal Regulations, part 77, concerning:

Structure:	Construction Equipment Construction Equipment
Location:	Village of Palm Springs, FL
Latitude:	26-36-16.00N NAD 83
Longitude:	80-05-26.00W
Heights:	12 feet site elevation (SE)
	30 feet above ground level (AGL)
	42 feet above mean sea level (AMSL)

This aeronautical study revealed that the temporary structure does not exceed obstruction standards and would not be a hazard to air navigation provided the condition(s), if any, in this letter is (are) met:

SEE ATTACHMENT FOR ADDITIONAL CONDITION(S) OR INFORMATION

This determination is based, in part, on the foregoing description which includes specific coordinates, heights, frequency(ies) and power. Any changes in coordinates, heights and frequencies or use of greater power, except those frequencies specified in the Colo Void Clause Coalition; Antenna System Co-Location; Voluntary Best Practices, effective 21 Nov 2007, will void this determination. Any future construction or alteration, including increase to heights, power or the addition of other transmitters, requires separate notice to the FAA. This determination includes all previously filed frequencies and power for this structure.

This determination does include temporary construction equipment such as cranes, derricks, etc., which may be used during actual construction of a structure. However, this equipment shall not exceed the overall heights as indicated above. Equipment which has a height greater than the studied structure requires separate notice to the FAA.

This determination concerns the effect of this temporary structure on the safe and efficient use of navigable airspace by aircraft and does not relieve the sponsor of compliance responsibilities relating to any law, ordinance, or regulation of any Federal, State, or local government body.

A copy of this determination will be forwarded to the Federal Aviation Administration Flight Procedures Office if the structure is subject to the issuance of a Notice To Airman (NOTAM).

If you have any questions, please contact our office at (404) 305-6462, or mike.blaich@faa.gov. On any future correspondence concerning this matter, please refer to Aeronautical Study Number 2021-ASO-19324-OE

Signature Control No: 482064868-485085725 (TMP)
Michael Blaich
Specialist

Proposal: To construct and/or operate a(n) Construction Equipment to a height of 30 feet above ground level, 42 feet above mean sea level.

Location: The structure will be located 0.83 nautical miles northwest of LNA Airport reference point.

Part 77 Obstruction Standard(s) Exceeded and Aeronautical Impacts, if any:

Based on this aeronautical study, the structure would not constitute a substantial adverse effect on aeronautical operations or procedures because it will be temporary. The temporary structure would not be considered a hazard to air navigation provided all of the conditions specified in this determination are strictly met.

Based on this evaluation, marking and lighting are not necessary for aviation safety. However, if marking/ lighting are accomplished on a voluntary basis, we recommend it be installed in accordance with FAA Advisory circular 70/7460-1 M.

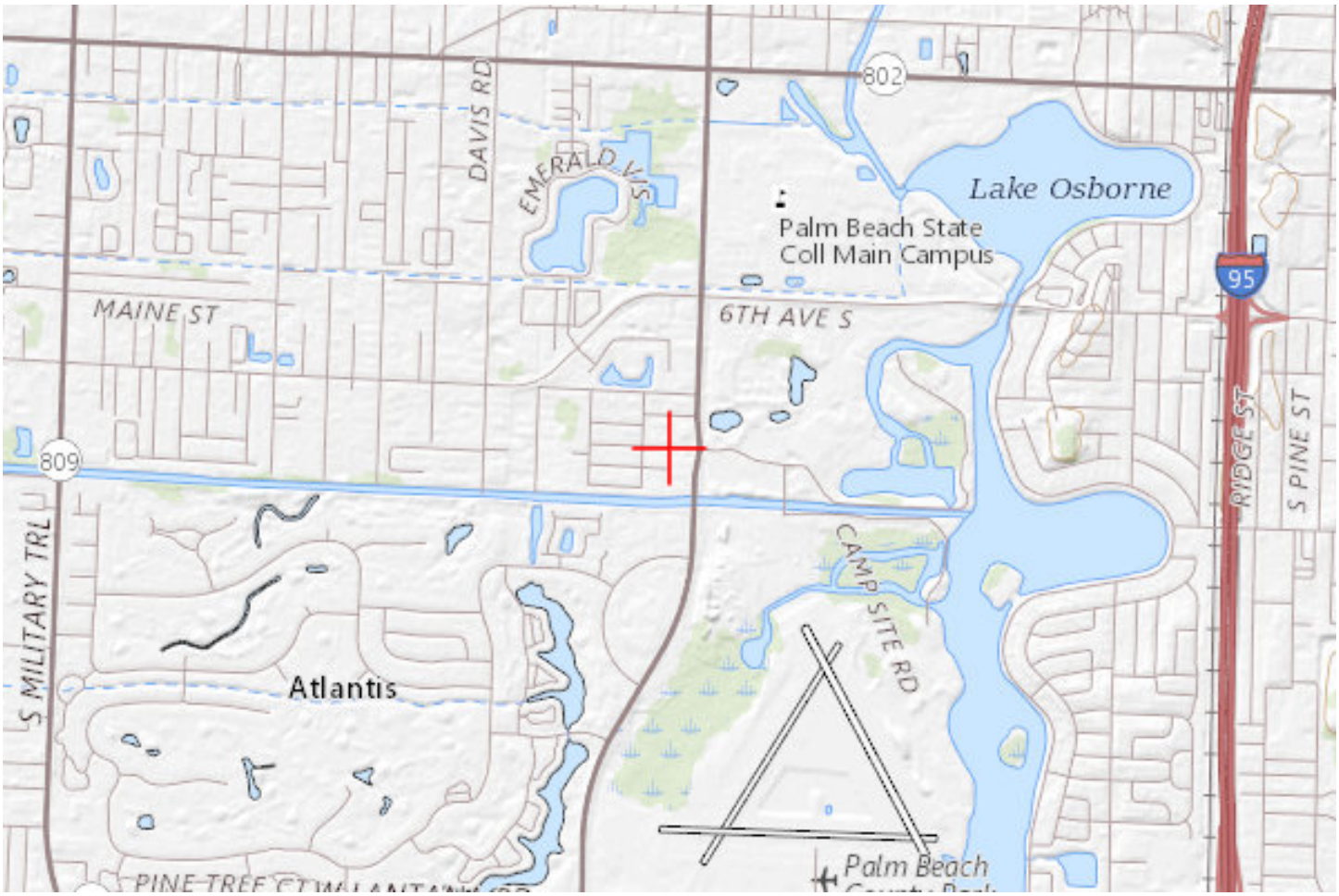
It is required that the manager of PALM BEACH COUNTY PARK, (561) 471-7420 be notified at least 3 business days prior to the temporary structure being erected and again when the structure is removed from the site.

This determination expires on 12/17/2022 unless extended, revised, or terminated by the issuing office.

NOTE: REQUEST FOR EXTENSION OF THE EFFECTIVE PERIOD OF THIS DETERMINATION MUST BE E-FILED AT LEAST 15 DAYS PRIOR TO THE EXPIRATION DATE. AFTER RE-EVALUATION OF CURRENT OPERATIONS IN THE AREA OF THE STRUCTURE TO DETERMINE THAT NO SIGNIFICANT AERONAUTICAL CHANGES HAVE OCCURRED, YOUR DETERMINATION MAY BE ELIGIBLE FOR ONE EXTENSION OF THE EFFECTIVE PERIOD.

Temporary equipment used for building construction.

TOPO Map for ASN 2021-ASO-19324-OE




271
(250)
WEST PALM
BEACH
273°
366
bldgs
PALM BEACH INTL (PBI)
CT 119.1 ATIS 123.75
20 L 100 122.95
AOE
LAKE WORTH
40
12
434
(417)
40
SFC
1314
(1296)
1552
(1534)
PALM BEACH
COUNTY PARK (LNA)
AWOS-3PT 119.925
14 L 35 122.7
RP
125°
40
16
351
(325)
520
(500)
415
(400)
CTC PALM
20 NM ON
WILLIS
DERPORT (Pvt)
18 36
(Pvt)
ANTIQUERS
23 52
090°
070°
BOYNTON

Mail Processing Center
Federal Aviation Administration
Southwest Regional Office
Obstruction Evaluation Group
10101 Hillwood Parkway
Fort Worth, TX 76177

Aeronautical Study No.
2021-ASO-19322-OE

Issued Date: 06/17/2021

Spencer Rich
Princeton Court LLC
17290 Whitehaven Drive
Boca Raton, FL 33496

****DETERMINATION OF NO HAZARD TO AIR NAVIGATION FOR TEMPORARY STRUCTURE****

The Federal Aviation Administration has conducted an aeronautical study under the provisions of 49 U.S.C., Section 44718 and if applicable Title 14 of the Code of Federal Regulations, part 77, concerning:

Structure:	Construction Equipment Construction Equipment
Location:	Village of Palm Springs, FL
Latitude:	26-36-20.00N NAD 83
Longitude:	80-05-26.00W
Heights:	12 feet site elevation (SE)
	30 feet above ground level (AGL)
	42 feet above mean sea level (AMSL)

This aeronautical study revealed that the temporary structure does not exceed obstruction standards and would not be a hazard to air navigation provided the condition(s), if any, in this letter is (are) met:

SEE ATTACHMENT FOR ADDITIONAL CONDITION(S) OR INFORMATION

This determination is based, in part, on the foregoing description which includes specific coordinates, heights, frequency(ies) and power. Any changes in coordinates, heights and frequencies or use of greater power, except those frequencies specified in the Colo Void Clause Coalition; Antenna System Co-Location; Voluntary Best Practices, effective 21 Nov 2007, will void this determination. Any future construction or alteration, including increase to heights, power or the addition of other transmitters, requires separate notice to the FAA. This determination includes all previously filed frequencies and power for this structure.

This determination does include temporary construction equipment such as cranes, derricks, etc., which may be used during actual construction of a structure. However, this equipment shall not exceed the overall heights as indicated above. Equipment which has a height greater than the studied structure requires separate notice to the FAA.

This determination concerns the effect of this temporary structure on the safe and efficient use of navigable airspace by aircraft and does not relieve the sponsor of compliance responsibilities relating to any law, ordinance, or regulation of any Federal, State, or local government body.

A copy of this determination will be forwarded to the Federal Aviation Administration Flight Procedures Office if the structure is subject to the issuance of a Notice To Airman (NOTAM).

If you have any questions, please contact our office at (404) 305-6462, or mike.blaich@faa.gov. On any future correspondence concerning this matter, please refer to Aeronautical Study Number 2021-ASO-19322-OE

Signature Control No: 482064119-485085726 (TMP)
Michael Blaich
Specialist

Proposal: To construct and/or operate a(n) Construction Equipment to a height of 30 feet above ground level, 42 feet above mean sea level.

Location: The structure will be located 0.83 nautical miles northwest of LNA Airport reference point.

Part 77 Obstruction Standard(s) Exceeded and Aeronautical Impacts, if any:

Based on this aeronautical study, the structure would not constitute a substantial adverse effect on aeronautical operations or procedures because it will be temporary. The temporary structure would not be considered a hazard to air navigation provided all of the conditions specified in this determination are strictly met.

Based on this evaluation, marking and lighting are not necessary for aviation safety. However, if marking/ lighting are accomplished on a voluntary basis, we recommend it be installed in accordance with FAA Advisory circular 70/7460-1 M.

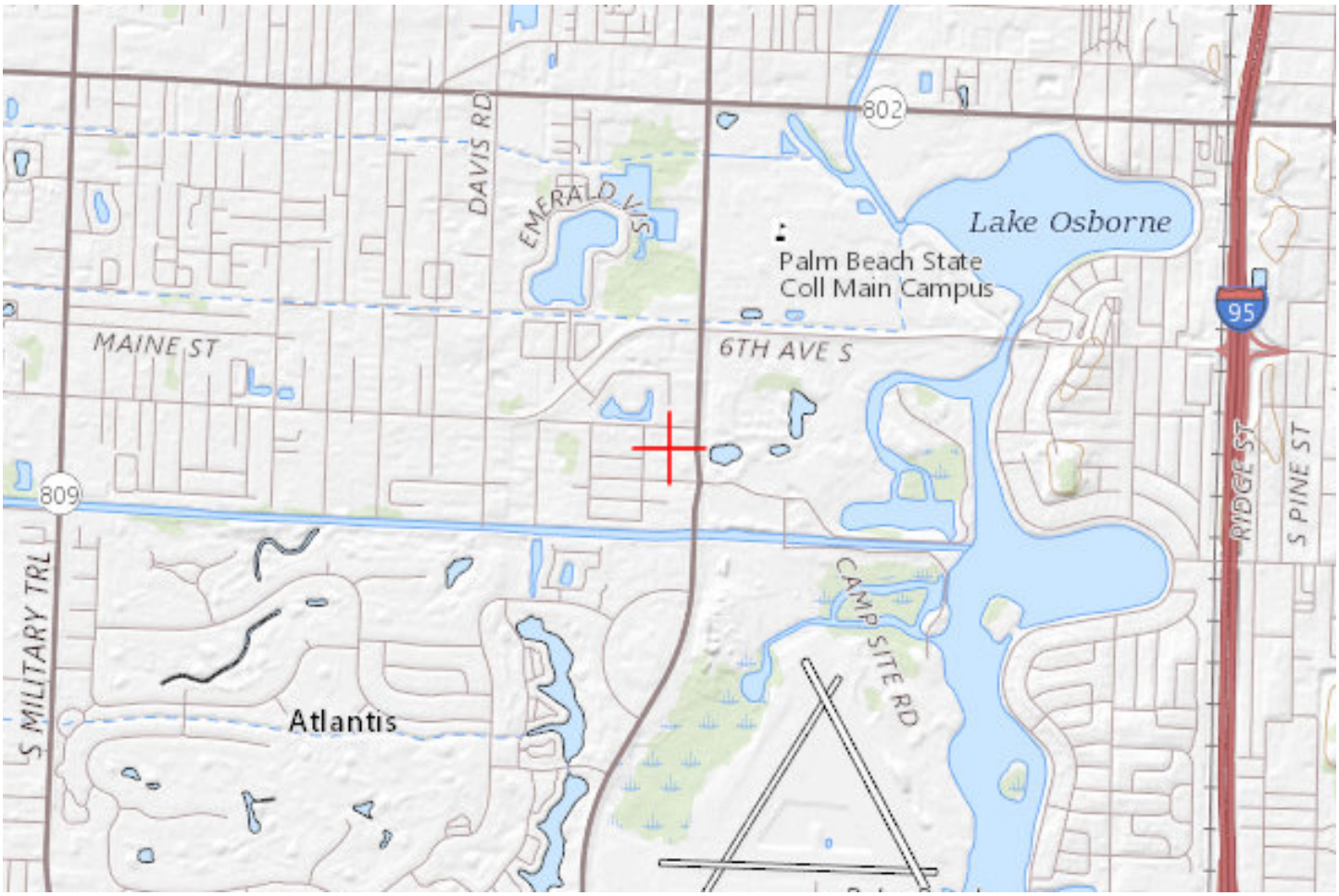
It is required that the manager of PALM BEACH COUNTY PARK, (561) 471-7420 be notified at least 3 business days prior to the temporary structure being erected and again when the structure is removed from the site.

This determination expires on 12/17/2022 unless extended, revised, or terminated by the issuing office.

NOTE: REQUEST FOR EXTENSION OF THE EFFECTIVE PERIOD OF THIS DETERMINATION MUST BE E-FILED AT LEAST 15 DAYS PRIOR TO THE EXPIRATION DATE. AFTER RE-EVALUATION OF CURRENT OPERATIONS IN THE AREA OF THE STRUCTURE TO DETERMINE THAT NO SIGNIFICANT AERONAUTICAL CHANGES HAVE OCCURRED, YOUR DETERMINATION MAY BE ELIGIBLE FOR ONE EXTENSION OF THE EFFECTIVE PERIOD.

Temporary equipment used for building construction.

TOPO Map for ASN 2021-ASO-19322-OE




271
(250)
WEST PALM
BEACH
273°
366
bldgs
PALM BEACH INTL (PBI)
CT 119.1 ATIS 123.75
20 L 100 122.95
AOE
434
(417)
40
SFC
1314
(1296)
LAKE WORTH
40
12
1552
(1534)
PALM BEACH
COUNTY PARK (LNA)
AWOS-3PT 119.925
14 L 35 1-22.7
RP
19
40
16
351
(325)
520
(500)
415
(400)
125°
CTC PALM
20 NM ON
WILLIS
DERPORT (Pvt)
18 36
(Pvt)
ANTIQUERS
23 52
BOYNTON

Mail Processing Center
Federal Aviation Administration
Southwest Regional Office
Obstruction Evaluation Group
10101 Hillwood Parkway
Fort Worth, TX 76177

Aeronautical Study No.
2021-ASO-19321-OE

Issued Date: 06/17/2021

Spencer Rich
Princeton Court LLC
17290 Whitehaven Drive
Boca Raton, FL 33496

****DETERMINATION OF NO HAZARD TO AIR NAVIGATION FOR TEMPORARY STRUCTURE****

The Federal Aviation Administration has conducted an aeronautical study under the provisions of 49 U.S.C., Section 44718 and if applicable Title 14 of the Code of Federal Regulations, part 77, concerning:

Structure:	Construction Equipment Construction Equipment
Location:	Village of Palm Springs, FL
Latitude:	26-36-20.00N NAD 83
Longitude:	80-05-30.00W
Heights:	12 feet site elevation (SE)
	30 feet above ground level (AGL)
	42 feet above mean sea level (AMSL)

This aeronautical study revealed that the temporary structure does not exceed obstruction standards and would not be a hazard to air navigation provided the condition(s), if any, in this letter is (are) met:

SEE ATTACHMENT FOR ADDITIONAL CONDITION(S) OR INFORMATION

This determination is based, in part, on the foregoing description which includes specific coordinates, heights, frequency(ies) and power. Any changes in coordinates, heights and frequencies or use of greater power, except those frequencies specified in the Colo Void Clause Coalition; Antenna System Co-Location; Voluntary Best Practices, effective 21 Nov 2007, will void this determination. Any future construction or alteration, including increase to heights, power or the addition of other transmitters, requires separate notice to the FAA. This determination includes all previously filed frequencies and power for this structure.

This determination does include temporary construction equipment such as cranes, derricks, etc., which may be used during actual construction of a structure. However, this equipment shall not exceed the overall heights as indicated above. Equipment which has a height greater than the studied structure requires separate notice to the FAA.

This determination concerns the effect of this temporary structure on the safe and efficient use of navigable airspace by aircraft and does not relieve the sponsor of compliance responsibilities relating to any law, ordinance, or regulation of any Federal, State, or local government body.

A copy of this determination will be forwarded to the Federal Aviation Administration Flight Procedures Office if the structure is subject to the issuance of a Notice To Airman (NOTAM).

If you have any questions, please contact our office at (404) 305-6462, or mike.blaich@faa.gov. On any future correspondence concerning this matter, please refer to Aeronautical Study Number 2021-ASO-19321-OE

Signature Control No: 482063614-485085727 (TMP)
Michael Blaich
Specialist

Proposal: To construct and/or operate a(n) Construction Equipment to a height of 30 feet above ground level, 42 feet above mean sea level.

Location: The structure will be located 0.83 nautical miles northwest of LNA Airport reference point.

Part 77 Obstruction Standard(s) Exceeded and Aeronautical Impacts, if any:

Based on this aeronautical study, the structure would not constitute a substantial adverse effect on aeronautical operations or procedures because it will be temporary. The temporary structure would not be considered a hazard to air navigation provided all of the conditions specified in this determination are strictly met.

Based on this evaluation, marking and lighting are not necessary for aviation safety. However, if marking/ lighting are accomplished on a voluntary basis, we recommend it be installed in accordance with FAA Advisory circular 70/7460-1 M.

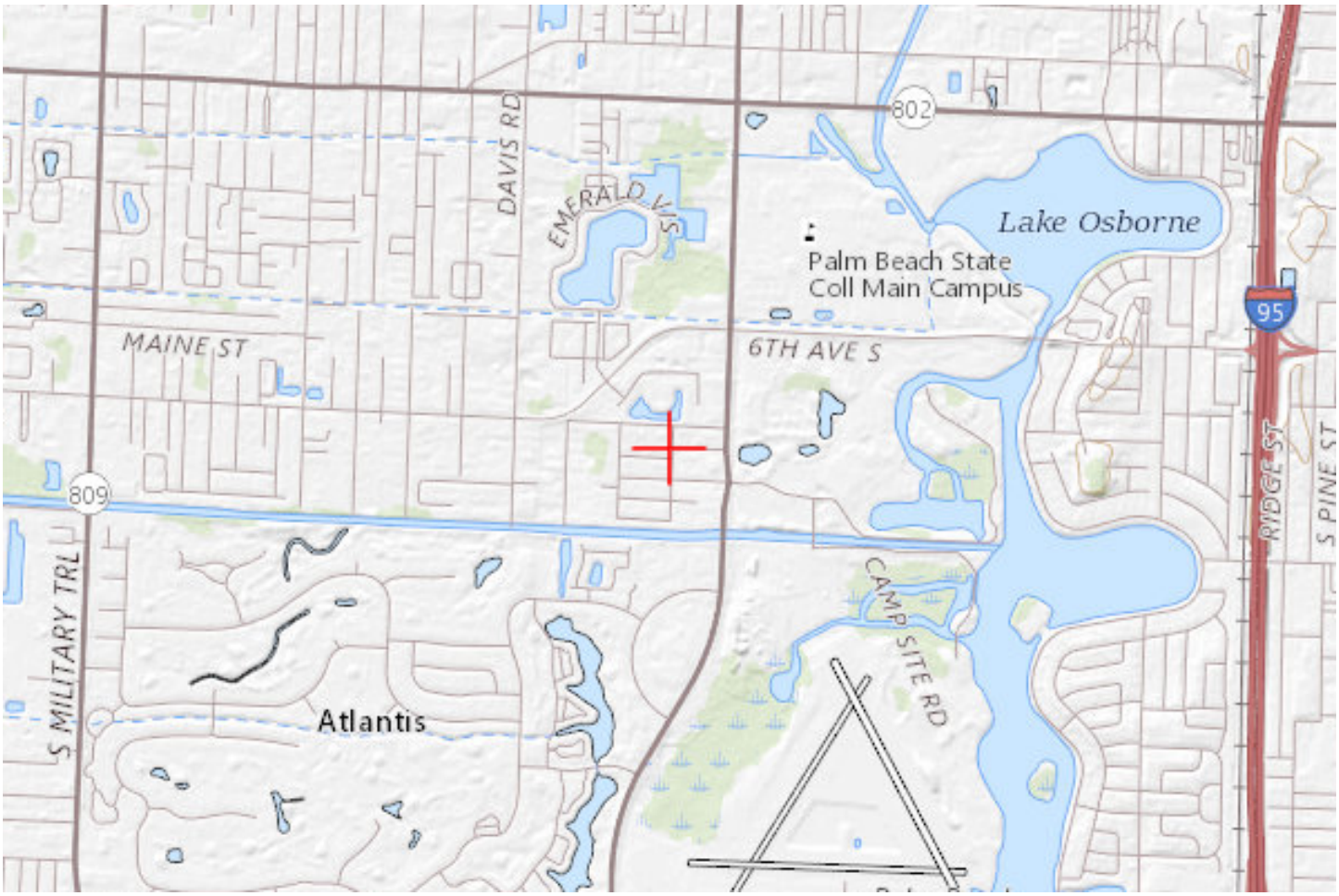
It is required that the manager of PALM BEACH COUNTY PARK, (561) 471-7420 be notified at least 3 business days prior to the temporary structure being erected and again when the structure is removed from the site.

This determination expires on 12/17/2022 unless extended, revised, or terminated by the issuing office.

NOTE: REQUEST FOR EXTENSION OF THE EFFECTIVE PERIOD OF THIS DETERMINATION MUST BE E-FILED AT LEAST 15 DAYS PRIOR TO THE EXPIRATION DATE. AFTER RE-EVALUATION OF CURRENT OPERATIONS IN THE AREA OF THE STRUCTURE TO DETERMINE THAT NO SIGNIFICANT AERONAUTICAL CHANGES HAVE OCCURRED, YOUR DETERMINATION MAY BE ELIGIBLE FOR ONE EXTENSION OF THE EFFECTIVE PERIOD.

Temporary equipment used for building construction.

TOPO Map for ASN 2021-ASO-19321-OE




271
(250)
WEST PALM
BEACH
273°
366
bldgs
PALM BEACH INTL (PBI)
CT 119.1 ATIS 123.75
20 L 100 122.95
AOE
434
(417)
40
SFC
1314
(1296)
LAKE WORTH
40
12
1552
(1534)
PALM BEACH
COUNTY PARK (LNA)
AWOS-3PT 119.925
14 L 35 122.7
RP
125°
19
40
16
351
(325)
520
(500)
415
(400)
CTC PALM
20 NM ON
WILLIS
DERPORT (Pvt)
18 36
(Pvt)
ANTIQUERS
23 52
090°
270°
BOYNTON

Common Facilities Statement

Prince Place

Village of Palm Springs, Florida

June 1, 2021

Common Facilities including but not limited to roads, sidewalks, parking areas, driveways, landscaping, benches, mailboxes, trash cans, bike racks, etc. shall be maintained by the Developer and/or Homeowners Association in perpetuity. Perpetual maintenance and funding for these items shall be detailed within proposed homeowner documents and deed restrictions.

Village of Palm Springs Development Review

DATE:	8/24/2021
DESCRIPTION:	Prince Place – Site Plan Application
APPLICANT:	Miles Rich, Rich Properties FL
OWNER:	Prince Partners
APPLICATION TYPE:	Site Plan (Minor/Major)
REQUEST:	Site Plan & Landscape Plan Review
LOCATION:	3075 Prince Dr., Palm Springs, FL 33461
STAFF REVIEW:	**RECOMMENDATION OF APPROVAL**

The Engineering Department has the following comments:

Justification Statement

All previous Justification Statement comments have been addressed and/or satisfied.

Site Plan

All previous site plan comments have been addressed and/or satisfied.

Landscape Plan

All previous landscape plan comments have been addressed and/or satisfied.

The Engineering Department recommends approval of the application with the following comments:

1) [Previously Comment #11] **Prior to permit closeout, submit proposed homeowner documents and deed restrictions to the Village Attorney. Covenants and restrictions shall be recorded in a legal Declaration and recorded in the official records for Palm Beach County.**

2) [Originally Comment #16] **Prior to permit closeout, submit approved administrative variance removing the requirement of a loading space as required in Sec. 34.1333.**

3) [Original Comment #34] **Screen or wrap of transformer, the design of the wraps must be presented to the Village and approved prior to procurement of the materials and installation.**

4) [Previously Comment #45] **Submit Final Plat for review prior to recording with PBC. Plat shall meet following requirements. Provide a survey tie to the lift station easement. Easements shall be 12 feet wide. Include provision for the right but not the responsibility of the Village to maintain the drainage systems.**

5) **[New comment.] Revise Plat Easement No. 6. Reservation shall be reserved for the Prince Place Homeowner's Association Inc for the construction and maintenance of wastewater lift station. Include provision for the right but not the responsibility of the Village to maintain the systems.**

6) **[New comment.] Erosion Control Plan, contractor is to indicate on plans prior to start of construction the location of concrete wash out area. Area to meet minimum FDEP standards.**

This letter has been prepared by the following individual, in association with their consultants and subconsultants:

Brent Whitfield, P.E.
Chen Moore and Associates
Tel: 561.746.6900 x 1160
Email: bwhitfield@chenmoore.com

Department of Engineering and Public Works
P.O. Box 21229
West Palm Beach, FL 33416-1229
(561) 684-4000
FAX: (561) 684-4050
www.pbcgov.com

Palm Beach County Board of County Commissioners
Dave Kerner, Mayor
Robert S. Weinroth, Vice Mayor
Maria G. Marino
Gregg K. Weiss
Maria Sachs
Melissa McKinlay
Mack Bernard

County Administrator
Verdenia C. Baker

"An Equal Opportunity Affirmative Action Employer"

August 31, 2021

Todd N. McLeod, P.E.
McLeod McCarthy & Associates, P.A.
1655 Palm Beach Lakes Blvd., Suite 901
West Palm Beach, FL 33401

RE: The Prince Place Project
Project #: 210404
Traffic Performance Standards (TPS) Review-Revised

Dear Mr. McLeod:

The Palm Beach County Traffic Division has reviewed the above referenced project Traffic Impact Statement, revised August 30, 2021, pursuant to the Traffic Performance Standards in Article 12 of the Palm Beach County Unified Land Development Code (ULDC). The project is summarized as follows:

Municipality:	Palm Springs
Location:	North side of Prince Drive, about 300 feet west of Congress Avenue
PCN:	70-43-44-30-01-098-53/-0040/-0030
Access:	One access driveway connection onto Prince Drive and onto Paetzold Drive (As used in the study and is NOT necessarily an approval by the County through this TPS letter)
Existing Uses:	Vacant
Proposed Uses:	Low-rise Multi-Family Residential = 21 DU
New Daily Trips:	154
New Peak Hour Trips:	10 (2/8) AM; 12 (8/4) PM
Build-out:	December 31, 2023

Based on our review, the Traffic Division has determined the proposed development generates less than 20 peak hour trips; therefore, the project **meets** the TPS of Palm Beach County.

The following should be addressed for site access:

1. Driveway radius cannot extend past projected property line.

Please note the receipt of a TPS approval letter does not constitute the review and issuance of a Palm Beach County Right-of-Way (R/W) Construction Permit nor does it eliminate any requirements that may be deemed as site related. For work within Palm Beach County R/W, a detailed review of the project will be provided upon submittal for a R/W permit application. The project is required to comply with all Palm Beach County standards and may include R/W dedication.

printed on sustainable and recycled paper

No building permits are to be issued by the City after the build-out date specified above. The County traffic concurrency approval is subject to the Project Aggregation Rules set forth in the Traffic Performance Standards Ordinance.

The approval letter shall be valid no longer than one year from date of issuance, unless an application for a Site Specific Development Order has been approved, an application for a Site Specific Development Order has been submitted, or the approval letter has been superseded by another approval letter for the same property.

If you have any questions regarding this determination, please contact me at 561-684-4030 or email QBari@pbcgov.org.

Sincerely,

Quazi Bari, P.E., PTOE
Manager – Growth Management
Traffic Division

QB:HA:jc
cc: Addressee
Iramis Cabrera, Interim PZ&B Director, Village of Palm Springs
Hanane Akif, P.E., Project Coordinator II, Traffic Division
Bogdan Piorkowski, P.E., Sr. Prof. Engineer, Traffic Division
Steve Bohovsky, Technical Assistant III, Traffic Division

File: General - TPS - Mun - Traffic Study Review
F:\TRAFFIC\HA\MUNICIPALITIES\APPROVALS\2021\210404 - THE PRINCE PLACE PROJECT - REVISED.DOCXN

THE SCHOOL DISTRICT OF
PALM BEACH COUNTY, FL

KRISTIN K. GARRISON
DIRECTOR

WANDA F. PAUL, M.ED., MBA
CHIEF OPERATING OFFICER

PLANNING AND INTERGOVERNMENTAL RELATIONS
3661 INTERSTATE PARK RD. N., STE 200
RIVIERA BEACH, FL. 33404

PHONE: 561-434-8020 / FAX: 561-357-1193
WWW.PALMBEACHSCHOOLS.ORG/PLANNING

SCHOOL CAPACITY AVAILABILITY DETERMINATION (SCAD)

Application	**Submittal Date**	05/17/2021		
	SCAD Case No.	**21051701F/FLU; 21042701Z/Rezoning; 21042701D/D. O.**		
	FLU /Rezoning/D.O. No.	Not Provided – Village of Palm Springs		
	PCN No. / Address	70-43-44-30-01—098-0040;0053;0030 /3075 Prince Drive		
	Development Name	**Prince Place**		
	Owner / Agent Name	Prince Partners / Miles Rich		
	SAC No.	210D		
	Proposed FLU **Proposed Rezoning** **Proposed D. O.**	**Maximum 30 Residential Units** **Maximum 25 Residential Units** **23 Multi-Family Units**		
Impact Review		**Barton** Elementary School	**Lake Worth** Middle School	**Lake Worth** High School
	# of New Students Generated	3	2	2
	Capacity Available	188	42	56
	Utilization Percentage	87%	97%	98%
School District Staff's Recommendation	**Based on the findings and evaluation of the proposed development, there will be no negative impact on the School District of Palm Beach County public school system. Therefore, the School District has no comment on the SCAD application for Prince Place.**			
Validation Period	1) This determination is valid from **05/17/2021** to **05/16/2022** or the expiration date of the site-specific development order approved during the validation period. 2) A copy of the approved D.O. must be submitted to the School District Planning Department prior to **05/16/2022** or this determination will expire automatically on **05/16/2022**.			
Notice	School age children may not necessarily be assigned to the public school closest to their residences. Students in Palm Beach County are assigned annually to schools under the authority of the School Board and by direction of the Superintendent, public school attendance zones are subject to change.			

Joyce Cai

School District Representative Signature

May 17, 2021

Date

Joyce C. Cai, Senior Planner

Print Name & Title of School District Representative

joyce.cai@palmbeachschools.org

Email Address

CC: Iramis Cabrera, PZ&B Interim Director, Village of Palm Springs
Joyell Shaw, PIR Manager, School District of Palm Beach County

From: **Christopher Schulle** cschulle@wasteprousa.com
Subject: RE: Townhouse request
Date: June 1, 2021 at 12:47 PM
To: Miles Rich milesrich@me.com
Cc: Iramis Cabrera icabrera@vpsfl.org, Jason JasonLA1677@yahoo.com

CS

Good afternoon,
As I stated a couple of times Waste Pro has no issues servicing the community.

Chris Schulle
Division Manager
Office # 561-688-8912
Fax # 561-688-8914
Cell # 772-216-4876

From: Miles Rich <milesrich@me.com>
Sent: Tuesday, June 1, 2021 12:43 PM
To: Christopher Schulle <cschulle@wasteprousa.com>
Cc: Iramis Cabrera <icabrera@vpsfl.org>; Jason <JasonLA1677@yahoo.com>
Subject: Fwd: Townhouse request

Hello I am attaching the below email , as we spoke on phone you already approved the project and sent your comment to Iramis and the Village. Please if you can confirm just so I have it on record, and I can satisfy my comments.

Miles Rich
Richbuilt Construction
JSM Delray LLC
CGC1528301
milesrich@me.com
561-927-7885
https://www.richbuiltsons.com

Greetings Iramis. Since the development does not appear to be on the State Highway System or directly impact it, the Department has no formal comments.

Larry Hymowitz
Planning Specialist, Policy and Mobility Planning Section
Planning & Environmental Management - FDOT District Four
p: (954) 777-4663 f: (954) 677-7892
a: 3400 W. Commercial Boulevard, Ft. Lauderdale, FL 33309
e: lhymowitz@dot.state.fl.us w: www.dot.state.fl.us

From: Iramis Cabrera <icabrera@vpsfl.org>
Sent: Monday, April 26, 2021 4:59 PM
To: Wil Hicks <whicks@pbia.org>; Hymowitz, Larry <Larry.Hymowitz@dot.state.fl.us>; Jean St. Simon <jssimon@lakeworthbeachfl.gov>; Paul Nicholas <pnicholas@lakeworthbeachfl.gov>; Rudershausen, Elsa - Miami, FL <Elsa.M.Rudershausen@usps.gov>; tmcmahon@wasteprousa.com; Christopher Schulle <cschulle@wasteprousa.com>; Michael Owens <michael.owens.1@palmbeachschools.org>; Yash Nagal <YNagal@pbcgov.org>
Subject: Prince Place

EXTERNAL SENDER: Use caution with links and attachments.

Good afternoon,

Attached are the plans for the proposed residential project at 3075 Prince Dr. Please review the plans and let me know if you have any comments.

Thanks.

4-5-2021

Good afternoon Iramis,

LWDD has no objection to the certification of this petition as it is not located near a canal.

This site is located north of the L-14 Canal and is not adjacent.

Thank you.

Anne Perry Schreiner

Anne Perry Schreiner | Right-of-Way Specialist
Lake Worth Drainage District | 13081 Military Trail | Delray Beach, Florida 33484
Direct Line | 561.819.5577 | Main Line 561.498. 5363 | Fax | 561.495.9694

8-13-2021

No fire rescue comments. Thank you.

Wesley Jolin, IAAI-CFI®
Fire Safety Specialist
Palm Beach County Fire Rescue
wjolin@pbcgov.org
561.233.2695
2300 North Jog Road: Suite 1E-40
West Palm Beach FL 33411



APPLICATION DATA:

NAME OF APPLICATION:	PRINCE PLACE
PARCEL ID:	NORTH PARCEL: 70-43-44-30-01-098-0030 CENTRAL PARCEL: 70-43-44-30-01-098-0040 SOUTH PARCEL: 70-43-44-30-01-098-0053
SITE ADDRESS:	3075 PRINCE DRIVE, PALM SPRINGS
EXISTING FUTURE LAND USE:	COMMERCIAL
PROPOSED FUTURE LAND USE:	HIGH DENSITY RESIDENTIAL (HDR)
EXISTING ZONING DESIGNATION:	COMMERCIAL GENERAL (CG)
PROPOSED ZONING DESIGNATION:	RESIDENTIAL MULTIPLE FAMILY (RM) (PUD)
HISTORIC DISTRICT:	N/A
EXISTING USE:	VACANT COMMERCIAL
PROPOSED USE:	MULTI-FAMILY RESIDENTIAL (21 UNITS)
PROPOSED DENSITY:	13.0 D.U.'S./ACRE

SITE DATA:

MIN. LOT AREA REQUIRED:	3 ACRES (130,680 S.F.)
GROSS LOT AREA:	*1.62 ACRES (70,562.05 S.F.) (2)
*WAIVER REUESTED	
MAX. BLDG. HEIGHT:	35' (3 STORIES)
PROPOSED BLDG. HEIGHT:	23'-5" (2 STORIES)

(BUILDING HEIGHT MEASURED FROM ADJACENT GRADE AT BASE OF BUILDING TO THE AVG. HEIGHT LEVEL BETWEEN THE EAVES AND THE ROOF RIDGE ON GABLE, HIP OR GAMBREL ROOFS).

MAX. BLDG. LOT COVERAGE ALLOWED:	40% (28,225 S.F.)
BLDG. COVERAGE PROVIDED:	26.6% (18,760.5 S.F.)
OPEN SPACE REQUIRED:	35% (24,697 S.F.)
OPEN SPACE PROVIDED:	43.6% (30,730 S.F.)
COMMON AMENITY AREA REQUIRED:	4,939.4 S.F. (MIN. 20% OF OPEN SPACE)
COMMON AMENITY SPACE PROVIDED:	6,038 S.F. (24.4% OF OPEN SPACE)
IMPERVIOUS AREA PROVIDED:	38,903.04 S.F. (55%)
PERVIOUS AREA PROVIDED:	*31,659.01 S.F.(45%)

*UTILIZES 25% OF PERVIOUS PARKING AREA FOR CALCULATION

SETBACKS

SETBACK	REQUIRED:	PROVIDED:
FRONT	25'	*20' (1)
SIDE:	20'	20'
SIDE CORNER:	25'	25'
REAR:	20'	20'

*WAIVER REQUESTED

PARKING DATA:

PROPOSED USES (FLEX SPACE)

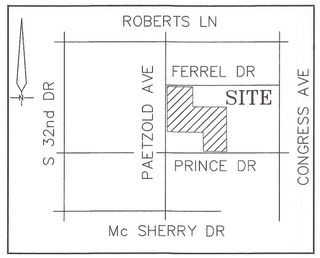
USE	UNITS	PARKING RATE	REQUIRED PARKING
MULTI-FAMILY RESIDENTIAL	21 UNITS	2.5 SP./UNIT	52.5 SPACES
GUEST PARKING		25% OF REQ'D	13 SPACES
		TOTAL PARKING REQUIRED:	66 SPACES
		TOTAL PARKING PROVIDED:	*66 SPACES
		HANDICAP SPACES REQ'D.:	**1 SPACE
		HANDICAP SPACES PROV.:	1 SPACE

*INCLUDES 1 SPACE WITHIN EACH GARAGE
**BASED ON REQUIRED GUEST SPACES

WAIVER CHART

WAIVER	WAIVER SUBJECT	CODE SECTION	REQUIRED	PROPOSED	DEVIATION
(1)	FRONT SETBACK	SEC. 34-766(7)	25'	20'	5'
(2)	MIN. LOT AREA	SEC. 34-1064(c)	3 ACRES	1.62 ACRES	1.38 ACRES
(3)	MIN. LOT AREA PER D/U (21 D/U'S)	SEC. 34-766(1)	186,000 S.F.	70,562 S.F.	115,438 S.F.

LOCATION MAP



Site Plan

0 10' 20' 40' 60' 80'

NORTH

Litterick Landscape Architecture
LC26000482
2740 SW Martin Downs Blvd. #199
Palm City, Fl 34990
561-719-3876
JasonLA1677@yahoo.com

PRINCE PLACE

Village of Palm Springs, Florida

Project Name

Landscape Architect of Record

REGISTERED LANDSCAPE ARCHITECT JASON M. LITTERICK LA 0001677 STATE OF FLORIDA

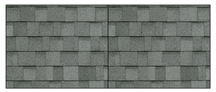
Jason M. Litterick, RLA
(LA0001677)

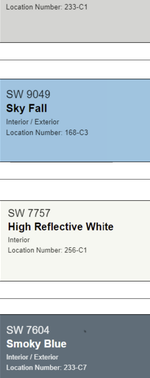
Scale: 1" = 20'-0"

Designed:	JML
Drawn:	JML
Approved:	JML
Date:	6/1/21
Job no.	
Revisions:	6/30/21
	8/4/21

Sheet No.
SP-1

EXTERIOR COLOR SELECTIONS

SW 7663 **Monorail Silver** Interior / Exterior Location Number: 233-C3	EXTERIOR MAIN WALLS, C1 SHERWIN WILLIAMS SW 7663 MONORAIL SILVER
SW 7661 **Reflection** Interior / Exterior Location Number: 233-C1	EXTERIOR MAIN WALLS, C2 SHERWIN WILLIAMS SW 7661 REFLECTION
SW 9049 **Sky Fall** Interior / Exterior Location Number: 168-C3	EXTERIOR COLS + RAKE ACCENT WALLS, C3 SHERWIN WILLIAMS SW 9049 SKY FALL
SW 7757 **High Reflective White** Interior Location Number: 256-C1	EXTERIOR TRIM, C4 SHERWIN WILLIAMS SW 7757 HIGH REFLECTIVE WHITE
SW 7604 **Smoky Blue** Interior / Exterior Location Number: 233-C7	GARAGE DOORS, C5 SHERWIN WILLIAMS SW 7604 SMOKEY BLUE
SW 7604 **Smoky Blue** Interior / Exterior Location Number: 233-C7	FRONT DOORS, C5 SHERWIN WILLIAMS SW 7604 SMOKEY BLUE
	FIBERGLASS ROOF SHINGLES, C6 IKO DYNASTY ARCHITECTURAL SHINGLE – FROSTONE GREY
	EXTREME METAL, STANDING SEAM ROOFING, C7 PRE–WEATHERED GALVALUME



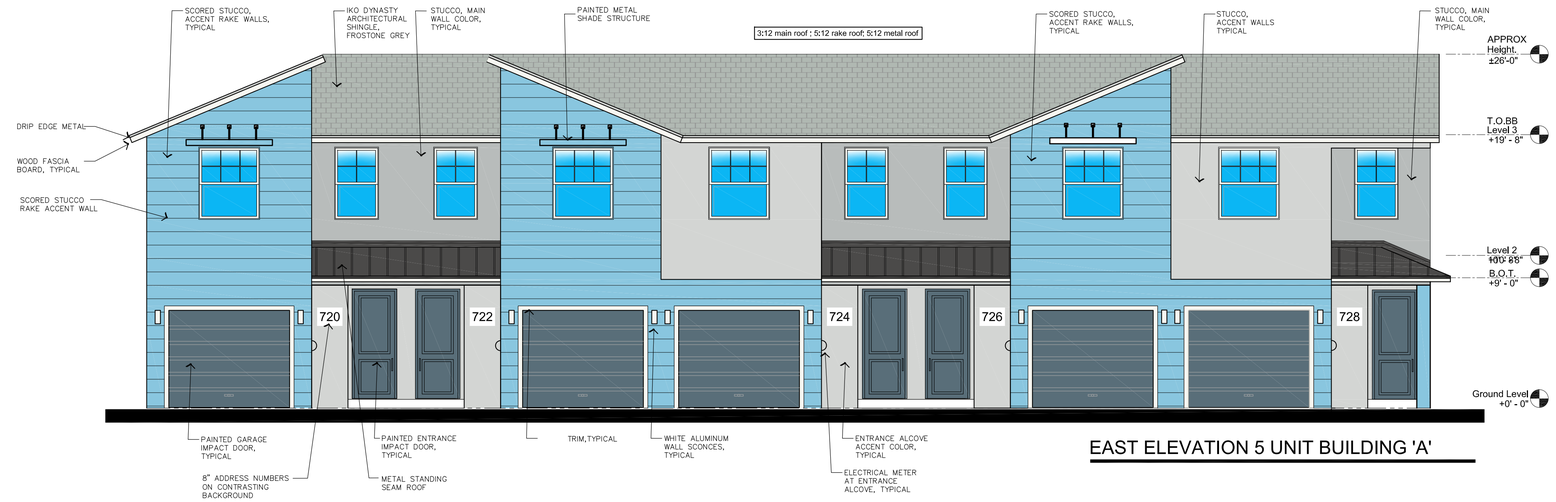
WALL SCORING DETAIL AT RAKE WALLS

STUCCO SCORE DETAIL:
AMBB–LAP SIDING BANDING BEAD IN 1" GROUND A, AND 3/4" GROUND B, 1–3/4" FLANGE, BY AMICO VINYL (OR EQUAL). INSTALL PER MFR. RECOMMENDATIONS.

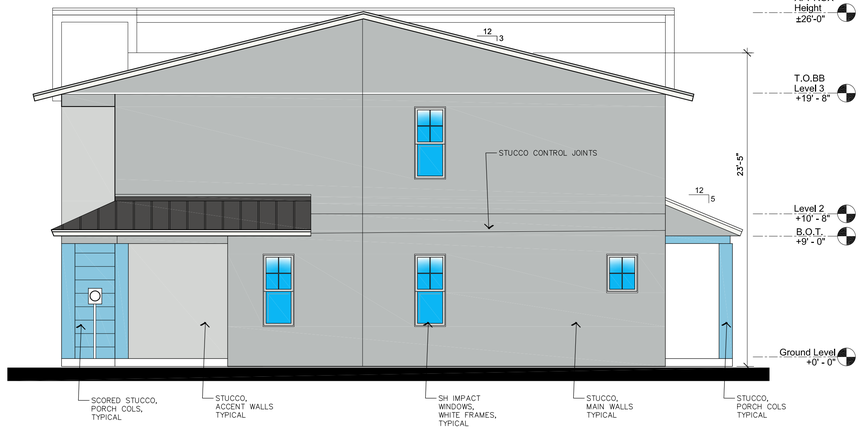
PAINT COLOR SKY BLUE – C3

ACCENT DETAIL

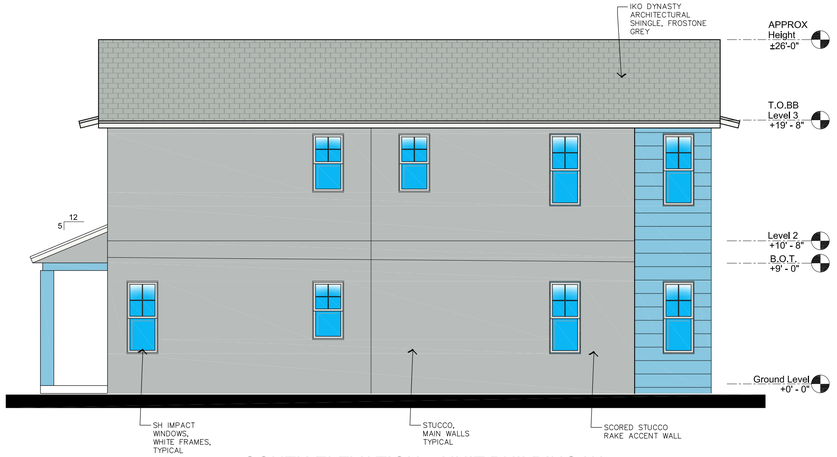
SCALE: 1/2" = 1'-0"



EAST ELEVATION 5 UNIT BUILDING 'A'



NORTH ELEVATION 5 UNIT BUILDING 'A'



SOUTH ELEVATION 5 UNIT BUILDING 'A',



WEST ELEVATION 5 UNIT BUILDING 'A'

KIMBERLY A. DELLASTATIOUS, P.A.
ARCHITECTURE & PLANNING
LIC #AR 0011556

802 W WINDWARD WAY, #308
LANTANA, FLORIDA 33462
(561) 582-5622
kimdell@kd-architect.com

SEAL

KIMBERLY A. DELLASTATIOUS
REGISTERED FLORIDA ARCHITECT
AR0011556

TO THE BEST OF THE ARCHITECT'S KNOWLEDGE THE PLANS AND SPECIFICATIONS COMPLY WITHIN THE APPLICABLE BUILDING CODES AND LOCAL MUNICIPAL ORDINANCES. ALL DRAWINGS, SPECIFICATIONS OR WRITTEN MATERIALS APPEARING HEREIN CONSTITUTES THE WORK OF THE ARCHITECT AND MAY NOT BE DUPLICATED OR DISCLOSED WITHOUT THE WRITTEN CONSENT OF THE FLORIDA LICENSED ARCHITECT OF RECORD. COPYRIGHT – 2021 KIMBERLY A. DELLASTATIOUS, P.A.

PRESENTATION PLANS

Prince Place
307 Prince Drive
Palm Springs, FL 33461

SUBMITTAL DATES
TO CLIENT -

PROGRESS PRINT DATE
-

REVISION DATES
1 LABEL ELEVATION DIRECTION 06.30.21
2 REMOVE BUILDING B NORTH + SOUTH ELEV'S 07.28.21

DRAWN KD
CHECKED KD
DATE 06.01.2021
SCALE 1/4" = 1'-0"
PROJECT NO. 21722

SHEET
BLDG 'A' ELEVATION
A4.2



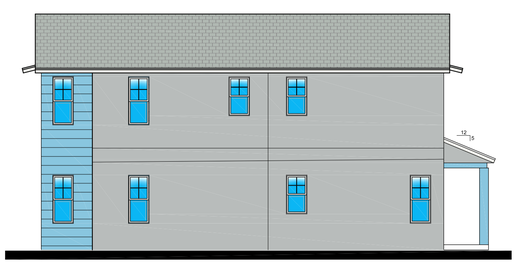
See Typical Elevation Notes and Colors on Sheets A4.1 and A4.2

NORTH ELEVATION BUILDING 'C'

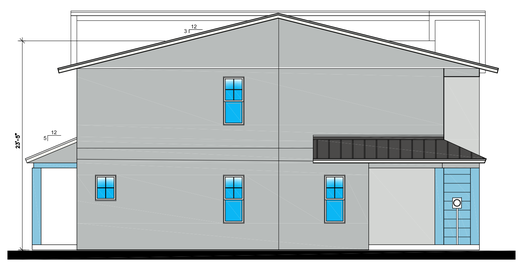


See Typical Elevation Notes and Colors on Sheets A4.1 and A4.2

SOUTH ELEVATION BUILDING 'C'



WEST SIDE ELEVATION BUILDING 'C'



EAST SIDE ELEVATION BUILDING 'C'

See Typical Elevation Notes and Colors on Sheets A4.1 and A4.2

KIMBERLY A. DELLASTATIOUS, P.A.
ARCHITECTURE & PLANNING
LIC #AR 0011556

802 W WINDWARD WAY, #308
LANTANA, FLORIDA 33462
(561) 582-5622
kimdell@kd-architect.com

SEAL

KIMBERLY A. DELLASTATIOUS
REGISTERED FLORIDA ARCHITECT
AR0011556

TO THE BEST OF THE ARCHITECT'S KNOWLEDGE THE PLANS AND SPECIFICATIONS COMPLY WITHIN THE APPLICABLE BUILDING CODES AND LOCAL MUNICIPAL ORDINANCES. ALL DRAWINGS, SPECIFICATIONS OR WRITTEN MATERIALS APPEARING HEREIN CONSTITUTES THE WORK OF THE ARCHITECT AND MAY NOT BE DUPLICATED OR DISCLOSED WITHOUT THE WRITTEN CONSENT OF THE FLORIDA LICENSED ARCHITECT OF RECORD. COPYRIGHT – 2021 KIMBERLY A. DELLASTATIOUS, P.A.

PRESENTATION PLANS

Prince Place

307 Prince Drive
Palm Springs, FL 33461

SUBMITTAL DATES
TO CLIENT -

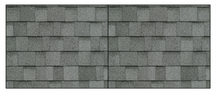
PROGRESS PRINT DATE
- -

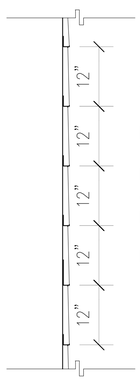
REVISION DATES
1 LABEL ELEVATION DIRECTION 06.30.21
2 CORRECTED BUILDING ORIENTATION PER NORTH ARROW 07.28.21

DRAWN KD
CHECKED KD
DATE 06.01.2021
SCALE 1/8" = 1'-0"
PROJECT NO. 21722

SHEET
13 UNIT BLDG 'C' ELEVATIONS
A4.4

EXTERIOR COLOR SELECTIONS

SW 7663 **Monorail Silver** Interior / Exterior Location Number: 233-C3	EXTERIOR MAIN WALLS, C1 SHERWIN WILLIAMS SW 7663 MONORAIL SILVER
SW 7661 **Reflection** Interior / Exterior Location Number: 233-C1	EXTERIOR MAIN WALLS, C2 SHERWIN WILLIAMS SW 7661 REFLECTION
SW 9049 **Sky Fall** Interior / Exterior Location Number: 168-C3	EXTERIOR COLS + RAKE ACCENT WALLS, C3 SHERWIN WILLIAMS SW 9049 SKY FALL
SW 7757 **High Reflective White** Interior Location Number: 256-C1	EXTERIOR TRIM, C4 SHERWIN WILLIAMS SW 7757 HIGH REFLECTIVE WHITE
SW 7604 **Smoky Blue** Interior / Exterior Location Number: 233-C7	GARAGE DOORS, C5 SHERWIN WILLIAMS SW 7604 SMOKEY BLUE
SW 7604 **Smoky Blue** Interior / Exterior Location Number: 233-C7	FRONT DOORS, C5 SHERWIN WILLIAMS SW 7604 SMOKEY BLUE
	FIBERGLASS ROOF SHINGLES, C6 IKO DYNASTY ARCHITECTURAL SHINGLE – FROSTONE GREY
	EXTREME METAL, STANDING SEAM ROOFING, C7 PRE–WEATHERED GALVALUME



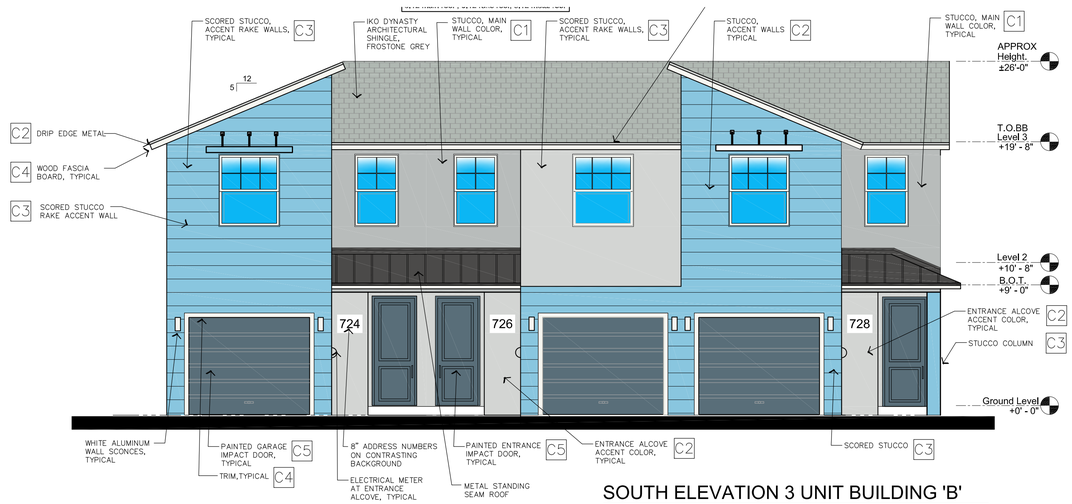
WALL SCORING DETAIL AT RAKE WALLS

STUCCO SCORE DETAIL:
AMBB–LAP SIDING BANDING
BEAD IN 1" GROUND A, AND
3/4" GROUND B, 1–3/4"
FLANGE, BY AMICO VINYL
(OR EQUAL). INSTALL PER MFR.
RECOMMENDATIONS.

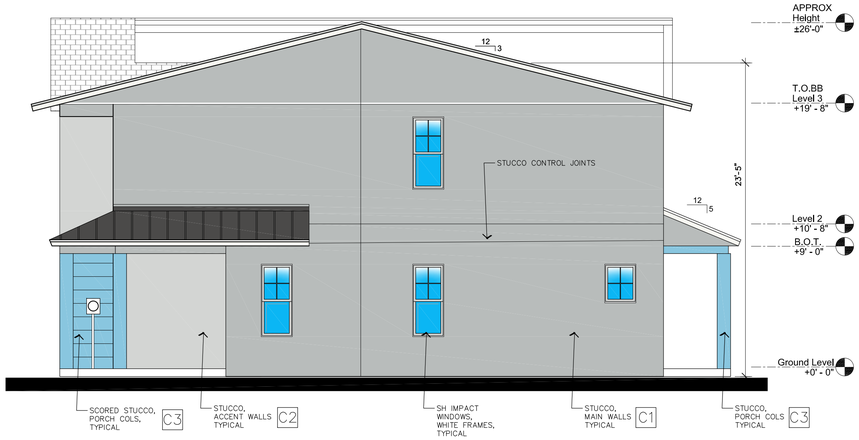
PAINT COLOR SKY BLUE – C3

ACCENT DETAIL

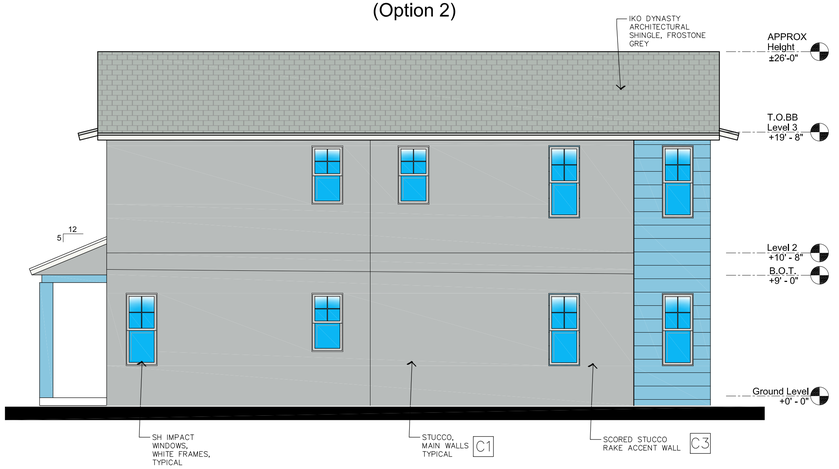
SCALE: 1/2" = 1'-0"



SOUTH ELEVATION 3 UNIT BUILDING 'B' (Option 2)



EAST ELEVATION 3 UNIT BUILDING 'B'



WEST ELEVATION 3 UNIT BUILDING 'B'



NORTH ELEVATION 3 UNIT BUILDING 'B'

KIMBERLY A. DELLASTATIOUS, P.A.
ARCHITECTURE & PLANNING
LIC #AR 0011556

802 W WINDWARD WAY, #308
LANTANA, FLORIDA 33462
(561) 582-5622
kimdell@kd-architect.com

SEAL

KIMBERLY A. DELLASTATIOUS
REGISTERED FLORIDA ARCHITECT
AR0011556

TO THE BEST OF THE ARCHITECT'S KNOWLEDGE THE PLANS AND SPECIFICATIONS COMPLY WITHIN THE APPLICABLE BUILDING CODES AND LOCAL MUNICIPAL ORDINANCES. ALL DRAWINGS, SPECIFICATIONS OR WRITTEN MATERIALS APPEARING HEREIN CONSTITUTES THE WORK OF THE ARCHITECT AND MAY NOT BE DUPLICATED OR DISCLOSED WITHOUT THE WRITTEN CONSENT OF THE FLORIDA LICENSED ARCHITECT OF RECORD. COPYRIGHT – 2021 KIMBERLY A. DELLASTATIOUS, P.A.

PRESENTATION PLANS

Prince Place
307 Prince Drive
Palm Springs, FL 33461

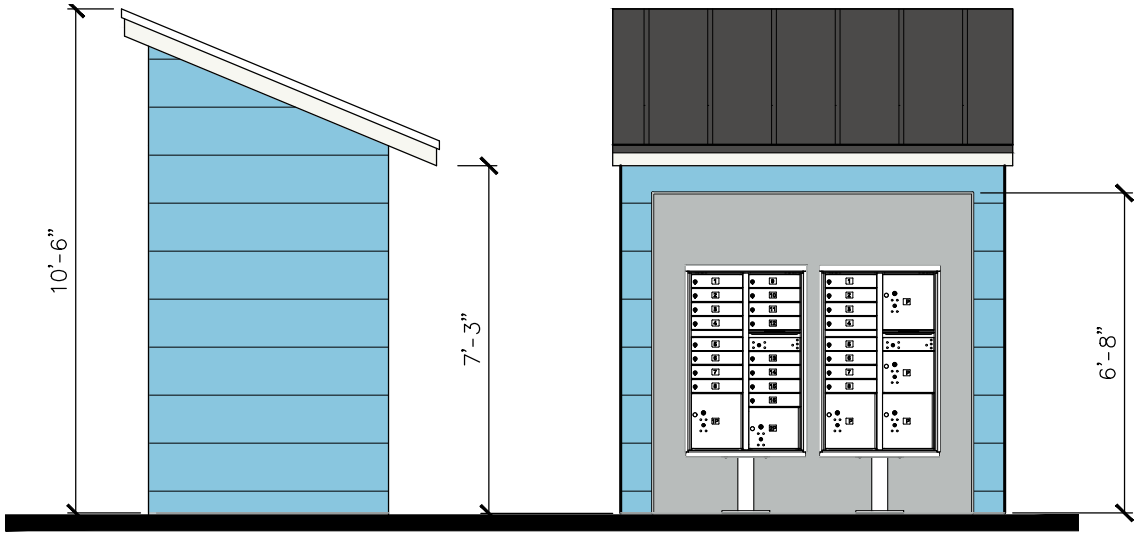
SUBMITTAL DATES
TO CLIENT

PROGRESS PRINT DATE

REVISION DATES
1 LABEL ELEVATION DIRECTION 06.30.21
2 NEW BULDING B NORTH + SOUTH ELEV'S 07.28.21

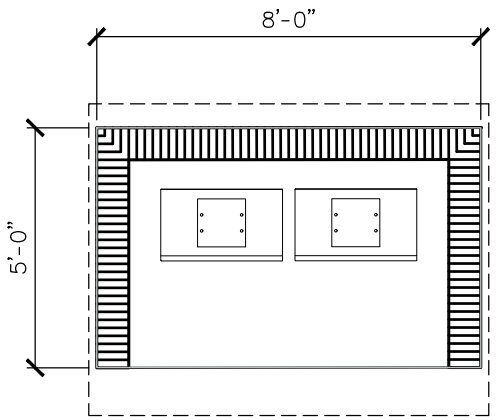
DRAWN KD
CHECKED KD
DATE 06.01.2021
SCALE 1/4" = 1'-0"
PROJECT NO. 21722

SHEET
3 UNIT BLDG 'B' ELEVATION
A4.6(2)

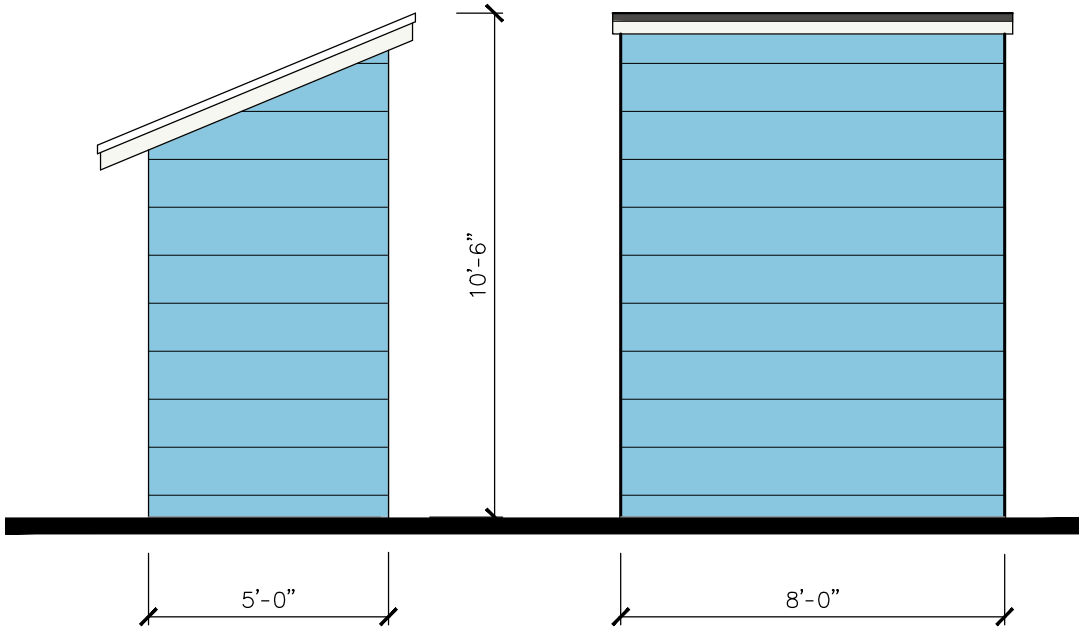


North

East Elevation



Mail Kiosk Plan



South

West Elevation

INTERIOR MAIN WALLS, C1
SHERWIN WILLIAMS
SW 7663
MONORAIL SILVER

EXTERIOR WALLS, C3
W/ STUCCO SCORE TO MATCH BLDG
SHERWIN WILLIAMS
SW 9049
SKY FALL

EXTREME METAL,
STANDING SEAM ROOFING, C7
PRE-WEATHERED GALVALUME

CFN 20210189463
OR BK 32422 PG 868
RECORDED 04/26/2021 15:53:04
Palm Beach County, Florida
AMT 480,000.00
DEED DOC 3,360.00
Joseph Abruzzo
Clerk
Pgs 0868-0869; (2Pgs)

Prepared by and return to:
Bruce S. Rosenwater
Attorney at Law
Bruce S. Rosenwater & Associates, P.A.
1601 Forum Place, Suite 602
West Palm Beach, FL 33401-8104
561-688-0991

Parcel Identification No. **70-43-44-30-01-098-0053**/40/30

[Space Above This Line For Recording Data]

Warranty Deed

(STATUTORY FORM - SECTION 689.02, F.S.)

This Indenture made this **15th** day of **March, 2021** between **Prince Partners, a Florida Joint Venture, composed of Edward W. Sandall, Michael S. Zeide, Marvin A. Kohn, Joseph B. Chalal and Elilio S. Musso** whose post office address is 1501 Presidential Way, Suite 6, West Palm Beach, FL 33401 of the County of **Palm Beach**, State of **Florida**, grantor*, and **Princeton Court LLC, a Florida limited liability company** whose post office address is **2552 Peters Road, Ste. B, Fort Pierce, FL 34945** of the County of **Saint Lucie**, State of **Florida**, grantee*,

Witnesseth that said grantor, for and in consideration of the sum of TEN AND NO/100 DOLLARS ($10.00) and other good and valuable considerations to said grantor in hand paid by said grantee, the receipt whereof is hereby acknowledged, has granted, bargained, and sold to the said grantee, and grantee's heirs and assigns forever, the following described land, situate, lying and being in **Palm Beach County, Florida**, to-wit:

PARCEL 1
Lot C, less the East 180.0 feet thereof, Block 98, The Palm Beach Farms Co. Plat No. 7 of Sec. 30, T. 44S, R. 43E., according to the Plat thereof, as recorded in Plat Book 5, Page 72, Palm Beach County, Florida; LESS a strip of land for road right of way purposes as laid out and in use known as Ferrell Drive, located in Palm Beach Farms Company Plat No. 7 of Section 30, Township 44 South, Range 43 East, more particularly described as follows: The North 30.0 feet of Lot C, less the East 180.0 feet thereof, Block 98, Palm Beach Farms Company Plat No. 7.
PARCEL 2
Lot D, Block 98, The Palm Beach Farms Co. Plat No. 7 of Sec. 30, T. 44S, R. 43E., Palm Beach County, Florida, according to the Plat thereof recorded in Plat Book 5, Page 72, Public Records of Palm Beach County, Florida.
PARCEL 3
The East 125.0 feet of Lot E, Block 98, The Palm Beach Farms Co. Plat No. 7 of Sec. 30, T. 44S, R. 43E., according to the Plat thereof as recorded in Plat Book 5, Page 72; LESS the South 34.0 feet thereof as granted in O.R. Book 2225, Page 1069, Public Records of Palm Beach County, Florida.

and said grantor does hereby fully warrant the title to said land, and will defend the same against lawful claims of all persons whomsoever.

* "Grantor" and "Grantee" are used for singular or plural, as context requires.

In Witness Whereof, grantor has hereunto set grantor's hand and seal the day and year first above written.

(Signature on following page.)

Signed, sealed and delivered in our presence:

Print Name: Donna Kotlarz

Print Name: Jill Cloth

PRINCE PARTNERS, a Florida Joint Venture

By: _____
Michael S. Zeide, Partner
Authorized Signatory

State of FLORIDA
County of PALM BEACH

The foregoing instrument was acknowledged before me by means of [X] physical presence or [_] online notarization, this 16 day of April, 2021, by Michael S. Zeide, as Partner and Authorized Signatory for Prince Partners, a Florida Joint Venture, who [_] is personally known or [X] has produced a driver's license as identification.

[Notary Seal]

DENISE CONOLLY
Notary Public - State of Florida
Commission # GG 295678
My Comm. Expires Jan 28, 2023
Bonded through National Notary Assn.

_____ Notary Public
My Commission Expires: _____ Print Name: _____

FLORIDA DEPARTMENT OF STATE
DIVISION OF CORPORATIONS

Attached are the form and instructions to **amend the Articles of Organization of a Florida Limited Liability Company.**

A limited liability company can amend its articles of organization by filing articles of amendment with the Division of Corporations that meet the requirements of s. 605.0202, Florida Statutes, which is printed on the reverse side of this letter.

- Pursuant to s.605.0202 (2)(d), Florida Statutes, the document must be typed or printed and must be legible.
- Pursuant to s. 605.0207, Florida Statutes, an effective date may be specified but it must be specific, cannot be prior to the date of filing, and cannot be more than 90 days in the future.
- If you are changing the name of the limited liability company, the new name must be distinguishable on the records of the Florida Department of State.

  The new name must end with the words "Limited Liability Company," the abbreviation "L.L.C.," or the designation "LLC."

  A preliminary search for name availability can be made on the Internet through the Division's records at www.sunbiz.org. Preliminary name searches and name reservations are no longer available from the Division of Corporations. You are responsible for any name infringement that may result from your name selection.
- If the registered agent is changed by the amendment, the new agent must sign accepting the appointment, and must state that he or she is familiar with and accepts the obligations of the position. Additional sheets may be attached if necessary.
- **The fees are as follows:** **$25.00 Filing Fee**
  $30.00 Certified copy (optional)
  $ 5.00 Certificate of Status (optional)
- Submit one check made payable to the Florida Department of State for the total amount of the filing fee and any certificate or copy. Please include a cover letter containing your daytime telephone number and return address. A letter of acknowledgment will be issued after the amendment has been filed.

Any further inquiries on this matter should be directed to the Registration Section by calling (850) 245-6051, or by writing Division of Corporations, P. O. Box 6327, Tallahassee, FL, 32314.

NOTE: THIS FORM FOR FILING ARTICLES OF AMENDMENT IS BASIC. EACH LIMITED LIABILITY COMPANY IS A SEPARATE ENTITY AND AS SUCH HAS SPECIFIC GOALS, NEEDS, AND REQUIREMENTS. ADDITIONAL SHEETS MAY BE ATTACHED AS REQUIRED.

THE DIVISION OF CORPORATIONS RECOMMENDS THAT ALL DOCUMENTS BE REVIEWED BY YOUR LEGAL COUNSEL. THE DIVISION IS A FILING AGENCY AND AS SUCH DOES NOT RENDER ANY LEGAL, ACCOUNTING, OR TAX ADVICE. THE PROFESSIONAL ADVICE OF YOUR LEGAL COUNSEL TO ASCERTAIN EXACT COMPLIANCE WITH ALL STATUTORY REQUIREMENTS IS STRONGLY RECOMMENDED.

605.0202 Amendment or restatement of articles of organization.—

(1) The articles of organization may be amended or restated at any time.

(2) To amend the articles of organization, a limited liability company must deliver to the department for filing an amendment, designated as such in its heading, which contains the following:

(a) The present name of the company.

(b) The date of filing of the company's articles of organization.

(c) The amendment to the articles of organization.

(d) The delayed effective date, as provided under s. 605.0207, if the amendment is not effective on the date the department files the amendment.

(3) To restate its articles of organization, a limited liability company must deliver to the department for filing an instrument, entitled "Restatement of Articles of Organization," which contains the following:

(a) The present name of the company.

(b) The date of the filing of its articles of organization.

(c) All of the provisions of its articles of organization in effect, as restated.

(d) The delayed effective date, as provided under s. 605.0207, if the restatement is not effective on the date the department files the restatement.

(4) A restatement of the articles of organization of a limited liability company may also contain one or more amendments to the articles of organization, in which case the instrument must be entitled "Amended and Restated Articles of Organization."

(5) If a member of a member-managed limited liability company or a manager of a manager-managed limited liability company knew that information contained in filed articles of organization was inaccurate when the articles of organization were filed or became inaccurate due to changed circumstances, the member or manager shall promptly:

(a) Cause the articles of organization to be amended; or

(b) If appropriate, deliver to the department for filing a statement of change under s. 605.0114 or a statement of correction under s. 605.0209.

COVER LETTER

TO: Registration Section
Division of Corporations

SUBJECT: Princeton Court LLC
Name of Limited Liability Company

The enclosed Articles of Amendment and fee(s) are submitted for filing.

Please return all correspondence concerning this matter to the following:

Miles Rich
Name of Person

Rich Properties
Firm/Company

2552 Peters Rd, Suite B
Address

Fort Pierce FL, 34945
City/State and Zip Code

milesrich@me.com
E-mail address: (to be used for future annual report notification)

For further information concerning this matter, please call:

Miles Rich at (561) 927-7885
Name of Person — Area Code — Daytime Telephone Number

Enclosed is a check for the following amount:

- ☒ $25.00 Filing Fee
- ☐ $30.00 Filing Fee & Certificate of Status
- ☐ $55.00 Filing Fee & Certified Copy (additional copy is enclosed)
- ☐ $60.00 Filing Fee, Certificate of Status & Certified Copy (additional copy is enclosed)

Mailing Address:
Registration Section
Division of Corporations
P.O. Box 6327
Tallahassee, FL 32314

Street Address:
Registration Section
Division of Corporations
The Centre of Tallahassee
2415 N. Monroe Street, Suite 810
Tallahassee, FL 32303

ARTICLES OF AMENDMENT
TO
ARTICLES OF ORGANIZATION
OF

PRINCETON COURT LLC

(**Name of the Limited Liability Company as it now appears on our records.**)
(A Florida Limited Liability Company)

The Articles of Organization for this Limited Liability Company were filed on 03/16/2021 and assigned Florida document number L21000125035.

This amendment is submitted to amend the following:

A. If amending name, enter the new name of the limited liability company here:

The new name must be distinguishable and contain the words "Limited Liability Company," the designation "LLC" or the abbreviation "L.L.C."

Enter new principal offices address, if applicable:
(Principal office address MUST BE A STREET ADDRESS)

Enter new mailing address, if applicable:
(Mailing address MAY BE A POST OFFICE BOX)

B. If amending the registered agent and/or registered office address on our records, enter the name of the new registered agent and/or the new registered office address here:

Name of New Registered Agent:

New Registered Office Address:
Enter Florida street address

, **Florida**
City *Zip Code*

New Registered Agent's Signature, if changing Registered Agent:

I hereby accept the appointment as registered agent and agree to act in this capacity. I further agree to comply with the provisions of all statutes relative to the proper and complete performance of my duties, and I am familiar with and accept the obligations of my position as registered agent as provided for in Chapter 605, F.S. Or, if this document is being filed to merely reflect a change in the registered office address, I hereby confirm that the limited liability company has been notified in writing of this change.

If Changing Registered Agent, Signature of New Registered Agent

If amending Authorized Person(s) authorized to manage, enter the title, name, and address of each person being added or removed from our records:

MGR = Manager
AMBR = Authorized Member

Title	Name	Address	Type of Action
MGR	MILES RICH	250 S Ocean Blvd 14G, Boca Raton FL 33432	■ Add
			☐ Remove
			☐ Change
LP	JEROME RICH		☐ Add
		17290 WHITEHAVEN DR BOCA RATON, FL 33496	■ Remove
			☐ Change
MGR	JEROME RICH	17290 WHITEHAVEN DR BOCA RATON, FL 33496	■ Add
			☐ Remove
			☐ Change
LP	JODI RICH		☐ Add
		17290 WHITEHAVEN DR BOCA RATON, FL 3349(	■ Remove
			☐ Change
MGR	JODI RICH	17290 WHITEHAVEN DR BOCA RATON, FL 3349(	■ Add
			☐ Remove
			☐ Change
			☐ Add
			☐ Remove
			☐ Change

D. If amending any other information, enter change(s) here: *(Attach additional sheets, if necessary.)*

E. Effective date, if other than the date of filing: 04/16/21 **(optional)**

(If an effective date is listed, the date must be specific and cannot be prior to date of filing or more than 90 days after filing.) Pursuant to 605.0207 (3)(b)

Note: If the date inserted in this block does not meet the applicable statutory filing requirements, this date will not be listed as the document's effective date on the Department of State's records.

If the record specifies a delayed effective date, but not an effective time, at 12:01 a.m. on the earlier of: (b) The 90th day after the record is filed.

Dated APRIL 16 , 2021 .

Signature of a member or authorized representative of a member

MILES RICH

Typed or printed name of signee

Filing Fee: $25.00



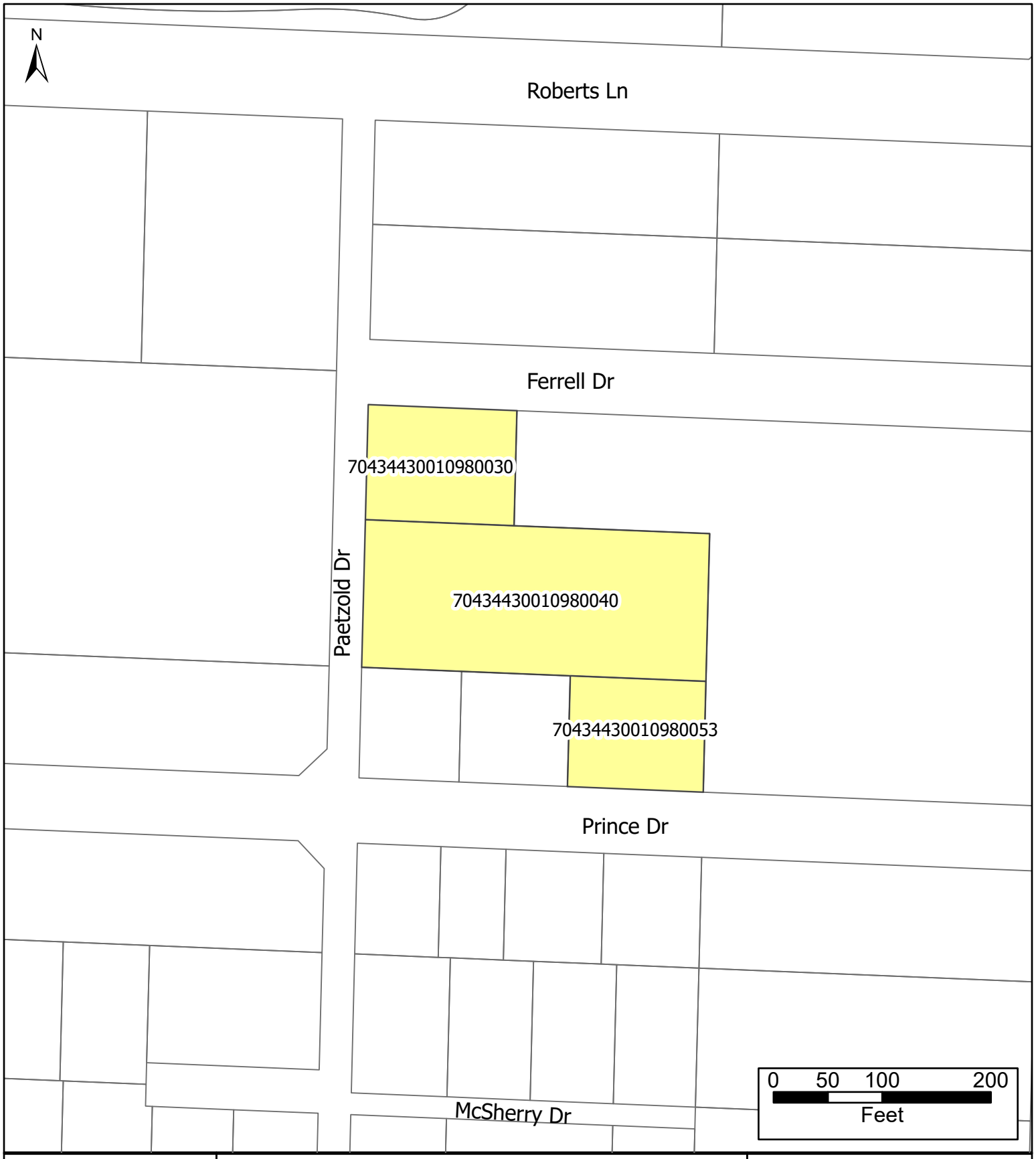
Village of Palm Springs

Prince Place

Property Boundary

The Data is provided "as is" without warranty or any representation of accuracy, timeliness or completeness. The burden for determining accuracy, completeness, timeliness, merchantability and fitness for or the appropriateness for use rests solely on the requester. The Village of Palm Springs make no warranties, express or implied, as to the use of the licensed Data. There are no implied warranties of merchantability or fitness for a particular purpose.The requester acknowledges and accepts the limitations of the Data, including the fact that the Data is dynamic and is in a constant state of maintenance, correction and update.

Data Source: Tax Deed Parcels and Village Limits data provided by the Village of Palm Springs, Parcels provided by Palm Beach Basemap provided by ESRI World Imager



Village of Palm Springs

Prince Place

Parcels

Property Boundary

The Data is provided "as is" without warranty or any representation of accuracy, timeliness or completeness. The burden for determining accuracy, completeness, timeliness, merchantability and fitness for or the appropriateness for use rests solely on the requester. The Village of Palm Springs make no warranties, express or implied, as to the use of the licensed Data. There are no implied warranties of merchantability or fitness for a particular purpose.The requester acknowledges and accepts the limitations of the Data, including the fact that the Data is dynamic and is in a constant state of maintenance, correction and update.

Data Source: Tax Deed Parcels and Village Limits data provided by the Village of Palm Springs, Parcels provided by Palm Beach Basemap provided by ESRI World Imager



Village of Palm Springs

Proposed FLU Map
Prince Place

High Density

High Density

The Data is provided "as is" without warranty or any representation of accuracy, timeliness or completeness. The burden for determining accuracy, completeness, timeliness, merchantability and fitness for or the appropriateness for use rests solely on the requester. The Village of Palm Springs make no warranties, express or implied, as to the use of the licensed Data. There are no implied warranties of merchantability or fitness for a particular purpose.The requester acknowledges and accepts the limitations of the Data, including the fact that the Data is dynamic and is in a constant state of maintenance, correction and update.

Data Source: Tax Deed Parcels and Village Limits data provided by the Village of Palm Springs, Parcels provided by Palm Beach Basemap provided by ESRI World Imager



Village of Palm Springs

Proposed Zoning Map
Prince Place

RM (Residential Multi-Family)

The Data is provided "as is" without warranty or any representation of accuracy, timeliness or completeness. The burden for determining accuracy, completeness, timeliness, merchantability and fitness for or the appropriateness for use rests solely on the requester. The Village of Palm Springs make no warranties, express or implied, as to the use of the licensed Data. There are no implied warranties of merchantability or fitness for a particular purpose.The requester acknowledges and accepts the limitations of the Data, including the fact that the Data is dynamic and is in a constant state of maintenance, correction and update.

Data Source: Tax Deed Parcels and Village Limits data provided by the Village of Palm Springs, Parcels provided by Palm Beach Basemap provided by ESRI World Imager

Legal Notice No. 39131

NOTICE OF PUBLIC HEARING

Public Hearings on the proposed ordinances will be held in Council Chambers at Village Hall, 226 Cypress Lane, Palm Springs, Florida, on the following dates:

Local Planning Agency, October 14, 2021, at 6:30 PM
Regular Village Council Meeting, Thursday, October 14, 2021, at 6:30 PM

The Village of Palm Springs proposes to adopt the following Ordinance:

ORDINANCE NO. 2021-09

(SMALL SCALE LAND USE AMENDMENT & REZONING)

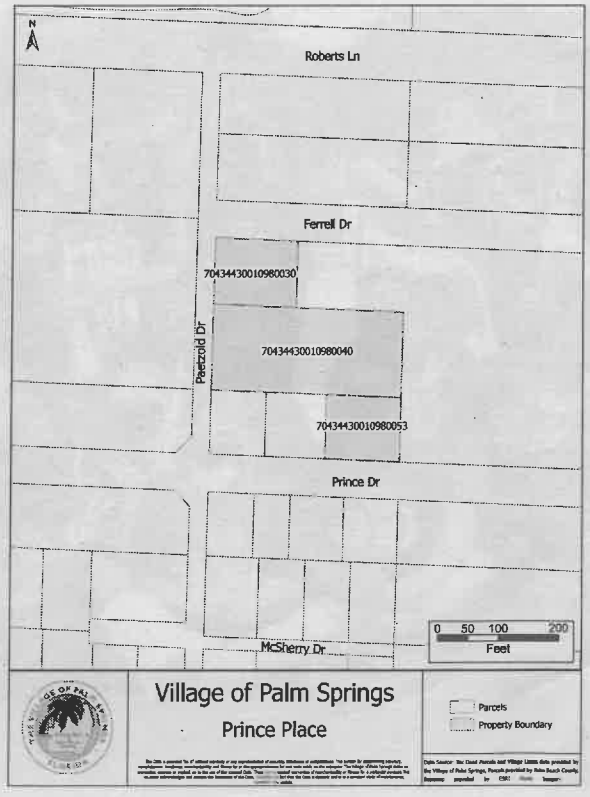
AN ORDINANCE OF THE VILLAGE OF PALM SPRINGS, FLORIDA, AMENDING THE COMPREHENSIVE LAND USE PLAN OF THE VILLAGE, PURSUANT TO THE "SMALL SCALE" COMPREHENSIVE LAND USE AMENDMENT LAWS OF THE STATE OF FLORIDA, FOR A 1.62-ACRE PARCEL OF THREE (3) LOTS UNIFIED THAT IS CURRENTLY VACANT AND PLANNED FOR "HIGH DENSITY RESIDENTIAL" LOCATED AT 3075 PRINCE DRIVE, A VACANT LOT AT PAETZOLD DRIVE AND FERRELL DRIVE AND BEING MORE FULLY DESCRIBED IN EXHIBIT "A" ATTACHED HERETO, FROM A FUTURE LAND USE DESIGNATION OF "COMMERCIAL" TO A FUTURE LAND USE DESIGNATION OF "HIGH DENSITY RESIDENTIAL"; FURTHER CHANGING THE ZONING DESIGNATION FROM "COMMERCIAL GENERAL (CG)" DISTRICT TO PROVIDE FOR A ZONING DESIGNATION OF "RESIDENTIAL MULTIPLE-FAMILY (RM)" DISTRICT ON THE VILLAGE OF PALM SPRINGS OFFICIAL ZONING MAP; PROVIDING DIRECTIONS TO THE VILLAGE CLERK; PROVIDING FOR REPEAL OF ALL ORDINANCES IN CONFLICT; PROVIDING FOR SEVERABILITY; AND PROVIDING FOR AN EFFECTIVE DATE.

The ordinance in their entirety may be inspected at the Office of the Village Clerk during Monday through Friday between 8:00 a.m. and 5:00 p.m. All interested parties may appear at the meeting and be heard with respect to the proposed ordinance at the public hearing.

If a person decides to appeal any decision made by the above Village Council with respect to any matter considered at such hearing, he or she will need a record of the proceedings, and for such purpose may need to ensure that a verbatim record of the proceeding is made, which record includes the testimony and evidence upon which the appeal is to be based. Persons who need an accommodation in order to attend or participate in this meeting should contact the Village Clerk at (561) 584-8200 at least 3 days prior to the meeting in order to request such assistance.

VILLAGE OF PALM SPRINGS

Kimberly Wynn, Village Clerk
Publish: The Lake Worth Herald
September 2 and October 7, 2021



Village of Palm Springs

Executive Brief

AGENDA DATE: October 14, 2021

DEPARTMENT: Public Service

ITEM 9.5: Ordinance No. 2021-12 - Village Code Amendment - Chapter 78 - Grease Interceptors and Traps (*First Reading*)

SUMMARY:

The Public Service Department is requesting an amendment to the Village Code - Chapter 78 - Article II "Water and Wastewater System", Division 3 "Wastewater System Use Regulations", Sections 78-94 "Prohibited Household Wastes" and 78-104 "Permit Terms and Conditions"; by enacting a new Division 5, "Grease Interceptors and Traps", to modify regulations regarding grease interceptors and grease traps.

The proposed Code amendment is intended to establish criteria and requirements for installation and management of grease interceptors and grease traps. Discharge of oils and greases from food service establishments and other commercial facilities into the sanitary wastewater system can cause, and from time to time has caused, serious problems in the Village's wastewater collection system. Such discharges contribute to sewer backups, trigger excessive cleaning requirements for sewers and lift stations and cause wastewater treatment plant operational problems.

This ordinance provides for the implementation of an oil and grease management program using inspections by Village personnel and an annual (no fee) permit requirement. The permit requirements, which will apply to both new and existing food service establishments, include minimum standards for regular maintenance and record-keeping for grease interceptors and grease traps. The permitting process gives the Village a system for tracking the inventory of establishments and their grease traps/interceptors, compliance status, and any pending enforcement actions. Any user found to violate these Code requirements will be notified in writing and given a reasonable time to comply. Noncompliance may result in the issuance of a citation with a $100 fine as well as other code enforcement action by the Village, including but not limited to termination of water service.

The proposed ordinance was prepared by the Village Attorney and reviewed by the Assistant Village Manager, Interim Public Service Administrator, Utilities Code Enforcement.

If approved on 1st reading, the proposed ordinance will be considered for 2nd and final reading by the Village Council on November 18, 2021.

FISCAL IMPACT:

Adoption of this ordinance is not expected to have any significant fiscal impact on the Village.

ATTACHMENTS:

Proposed Ordinance No. 2021-12 Grease Trap

ORDINANCE NO. 2021-12

AN ORDINANCE OF THE VILLAGE OF PALM SPRINGS, FLORIDA, AMENDING ITS CODE OF ORDINANCES BY AMENDING CHAPTER 78 "UTILITIES", ARTICLE II "WATER AND WASTEWATER SYSTEM", DIVISION 3 "WASTEWATER SYSTEM USE REGULATIONS", SECTION 78-94 "PROHIBITED HOUSEHOLD WASTES", SECTION 78-104 "PERMIT TERMS AND CONDITIONS" AND ENACTING DIVISION 5 "GREASE INTERCEPTORS AND TRAPS", TO MODIFY AND ENACT REGULATIONS REGARDING GREASE INTERCEPTORS AND TRAPS; PROVIDING FOR CODIFICATION, REPEAL OF CONFLICTING ORDINANCES, SEVERABILITY AND AN EFFECTIVE DATE.

WHEREAS, the Village desires to amend its existing regulations to modify and enact regulations regarding grease interceptors and traps; and

WHEREAS, the purpose of this ordinance is to provide for the implementation of an oil and grease management program and an annual permit requirement. The objective of the oil and grease program is to regulate and reduce the discharge of oils and greases from commercial and industrial facilities into the sanitary sewer system. Such discharges contribute to sewer backups, excessive sewer cleaning, lift station cleaning and wastewater treatment plant problems; and

WHEREAS, the Village Council has reviewed the recommended ordinance and has determined that it is in the best interests and general welfare of the Village to adopt this Ordinance.

NOW THEREFORE, BE IT ORDAINED BY THE VILLAGE COUNCIL OF THE VILLAGE OF PALM SPRINGS, FLORIDA:

Section 1. The foregoing recitals are incorporated herein as true and correct findings of fact of the Village Council and serve as a basis for adoption of this Ordinance.

Section 2. Chapter 78 "Utilities", Article II "Water and wastewater system", Division 3 "Wastewater system use regulations", Section 78-94 "Prohibited household wastes" is hereby amended as follows:

Sec. 78-94. - Prohibited ~~household~~ wastes.

Except as provided in this division, no person shall discharge, or cause to be discharged, or allow to run, leak or escape into any public sewer, pipe, channel or sewer appurtenance connecting with any public sewer, or into any private sewer

connected with a public sewer, any of the following described materials, substances or wastes, except in such small quantities as may be present in normal household wastes:

(1) Solids or viscous substances in sufficient quantity capable of causing obstruction to the flow in sewers or other interference with the proper operation of the village's facilities or connecting systems, including, but not limited to, ashes, stones or any grit in general, cinders, sand, mud, straw, shavings, metal, glass, rags, feathers, tar, plastics, wood, chemical residues, paint residues, mineral oil, improperly ground garbage, construction materials, paunch or animal manure, coffee grounds, fur, hair and wax.

(2) Any gasoline, benzene, naphtha, fuel oil or other flammable or explosive liquid, solid or gas.

(3) Steam or hot water above 150 degrees Fahrenheit.

(4) Any waste or water which may contain petroleum hydrocarbons, such as grease, oil and oil sludge from garages, repair shops, machine shops, industrial establishments, cooking and food processing, with average concentrations of 50 milligrams with no industrial concentrations in excess of 100 milligrams per liter. If there is evidence of separation or adherence of fats, oils or greases to sewer structures or appurtenances, or the materials cause blockage in the wastewater system, then the wastewater carrying the materials must be effectively treated by a process or device, such as a grease trap or interceptor, before discharge to the village's wastewater system. The village may notify all users, including house sewer users, connected in the area of the system where the conditions appear to comply with the prohibitions contained in this subsection, and may afford the users an opportunity to voluntarily correct the conditions before requiring the treatment process described to be installed. Further see the requirements set forth in Division 5.

(5) Coal tar, and its derivatives and waste.

(6) Paints and waste products from paint manufacturing and paint operations.

(7) Any liquids or wastes having a pH lower than 4.5 or higher than 9.5 or having any other corrosive property apt to cause damage or hazard to structures, or equipment of the wastewater system or personnel employed in its operations.

(8) Any liquids or wastes containing toxic or poisonous substances in sufficient quantity or rate of flow as to injure or interfere with any of the wastewater treatment processes so as to constitute a hazard to human beings or animals, or to create any hazard within or without the wastewater system.

(9) Any liquids or wastes containing suspended solids in excess of 400 milligrams per liter or of such quality ~~or quantity that~~ as to become burdensome in the

operation and maintenance of the sewage collection system or wastewater treatment plant facilities.

(10) Any noxious or malodorous gas or substance, other than domestic sewage, which, either singly or by interaction with other wastes, creates a public nuisance or hazard to life or prevents maintenance and repair of the village's facilities.

(11) Any natural waters and any ~~including lake and swamp drainage, or recycled canal, river, harbor or ocean waters~~. stormwater, surface water, ground water, well water, roof runoff, subsurface drainage, or swimming pool drainage.

(12) Any water or substance which, in the opinion of the village director, will result in a discoloration or other undesirable physical change in the appearance of the ~~receiving stream~~ wastewater treatment plant effluent.

Section 3. Chapter 78 “Utilities”, Article II “Water and wastewater system”, Division 3 “Wastewater system use regulations”, Section 78-104 “Permit terms and conditions” is hereby amended as follows:

Sec. 78-104. - Permit terms and conditions.

(a) Terms and conditions as may be required by the Village Council in the issuance of an industrial waste permit are as follows:

(1) A limitation upon the volume of sewage and the rate of flow permitted from the premises.

(2) The installation and maintenance by the permittee, at his own expense, of facilities or equipment for intermittent or continuous measurement of sewage, industrial waste or other wastes discharged into the wastewater system from the premises.

(3) Furnishing of reports of a laboratory determination of the characteristics of the sewage, industrial waste or other wastes discharged to the wastewater system on a regular periodic schedule or intermittently by the permittee, at his own expense, to the utilities department and any other county and state agencies that the village and village council may direct. The laboratory reports shall conform to the criteria set forth in section 78-106 in accordance with the method prescribed in section 1-2 under the definition of the term "laboratory determination."

(4) The installation and maintenance by the permittee, at his own expense, of detention tanks, or other facilities or equipment for reducing the maximum rates

of discharge of sewage to a percentage of the 24-hour rate as may be required by the Village with the approval of the Village Council.

(5) The installation and maintenance by the permittee, at his own expense, of any preliminary treatment facilities that may be required by the Village with the approval of the Village Council.

(6) The installation and maintenance by the permittee, at his own expense, of a suitable control manhole in any house sewer carrying such sewage.

(7) The installation and maintenance by the permittee, at his own expense, of grease, oil and sand interceptors or traps that are necessary for the proper handling of liquid wastes containing grease in excessive amounts, or any inflammable waste, and other harmful ingredients, except the interceptors or traps shall not be required for properties used solely for residential uses, ~~private living quarters or dwelling units~~. All interceptors or traps shall be of an approved type and capacity and shall be located to be readily and easily accessible for cleaning and inspection. See the requirements set forth in Division 5.

(8) The submission to and approval by the Village of the plans for any of the facilities or equipment required to be installed and maintained by the permittee.

(9) Any other terms and conditions that may be necessary to protect the wastewater system and carry out the provisions of the rules and regulations set forth in this division. These terms and conditions may also provide that, subsequent to the commencement of operation of any preliminary treatment facilities, periodic reports shall be made by the permittee to the Village setting forth adequate data upon which the acceptability of the sewage, industrial waste or other wastes, after treatment, may be determined.

(b) A violation by the permittee of any terms or conditions of the permit shall constitute cause for revocation or suspension of the permit.

Section 4. Chapter 78 “Utilities”, Article II “Water and wastewater system”, enacting Division 5 “Grease interceptors and traps” is hereby enacted to read as follows:

DIVISION 5. – GREASE INTERCEPTORS AND TRAPS

Sec. 78.145. – Interceptors and traps.

Definitions:

Food service establishment (FSE). A facility generating more than a de minimis amount of fats, oils, or greases as a result of food manufacturing, processing,

preparation or food service. These facilities include but are not limited to restaurants, food manufacturers, food processors, hospitals, hotels and motels, nursing homes, and any other facility preparing, serving or otherwise making foodstuff available for consumption.

Grease interceptor. An interceptor whose rated flow exceeds 50 gpm or has a minimum storage capacity of 750 gallons or more and is located outside the building.

Grease trap. An interceptor whose rated flow is 50 gpm or less and is located inside the building.

Requirements:

(1) Grease, oil, hair, lint and sand interceptors are to be provided when, in the judgment of the Public Service Director and/or Building Official, they are necessary for the proper handling of liquid wastes containing grease or any other restricted substance in excessive amounts or any flammable wastes, sand, or other harmful ingredients. All interceptors/traps shall be of a type and capacity approved by the Village and shall be so located as to be readily and easily accessible for cleaning and inspection.

(2) (a) All FSE's which are newly proposed or constructed, or existing facilities which will be expanded or renovated to include an FSE where none previously existed, shall be required to install and maintain a grease interceptor or grease trap. Such interceptors/traps shall meet the requirements of the Florida Building Code as well as Village of Palm Springs Utilities and the Planning, Zoning and Building Department, specifications and shall be located to be readily and easily accessible for cleaning and inspection.

(b) Existing FSEs shall be permitted to operate and maintain existing grease traps or interceptors provided they are in efficient operating condition. An FSE that applies for any type of permit to modify or repair any noncompliant plumbing or existing trap, or interceptor shall conform to current code requirements. Existing FSE's without a grease trap or interceptor shall install a new grease trap or interceptor that complies with the plumbing code section of the Florida Building Code as well as Village of Palm Springs Utilities Division and Planning, Zoning and Building Division's local and state codes and ordinances. This requirement must be met within two years of the adoption of the ordinance from which this section is derived.

(3) All new and existing businesses or industries that wash cars will be required to install and maintain an oil/water separator in the sewer service discharge. For

outdoor car washing, the wash pad must be sheltered so stormwater will not be discharged to the sanitary sewer system. Complete containment of all car wash areas using curbing or mountable traffic bumps is required to prevent runoff of wash discharge to storm drainage facilities. All new and existing businesses or industries that use petroleum base products in day-to-day activities will be required to install an oil/water separator in the sewer service discharge if floor drains connect to the sanitary sewer. No domestic effluent shall be allowed to discharge through the oil/water separator as stated in the plumbing code section of the Florida Building Code.

(4) All units must meet the standards of the Florida Building Code, Plumbing 2020 ~~2017~~ effective December 31, 2020. If a later edition of this code or subsequent amendments are made to the applicable minimum code, then those revisions or amendments shall automatically become the adopted code under this division.

(5) Permits shall be required to be obtained for all existing interceptors/traps described above and compliance achieved with this Division, within a time frame as determined by the Public Services Director, and prior to the installation of all new interceptors/traps described above. A no fee permit must be renewed on an annual basis by the business/property owner.

Sec. 78.146. – Oil and grease management program.

(1) *Oil and Grease Prevention Program.*

(a) The discharge by a user to the public sewer of certain liquids or wastes is prohibited unless authorized under the provisions of this division.

(b) Wastes which contain oil and grease may be discharged to the public sewer only in accordance with the conditions set forth in this division.

(c) Wastes containing oil and grease in amounts that exceed normal household use, including materials processed through garbage grinders, shall be directed to a grease interceptor or trap.

(d) Wastes containing residual (trace amounts) petroleum-based oil and grease shall be directed to an oil/water separator.

(e) Sanitary facilities and other similar fixtures shall not be connected or discharged to an oil and grease interceptor or an oil/water separator.

(f) Liquid wastes shall be discharged to an oil and grease interceptor or oil/water separator through the inlet pipe only and in accordance with the design/operating specifications of the device.

(g) Oil and grease interceptors and oil/water separators shall be installed in a location that always provides easy access for inspections, cleaning and proper maintenance, including pumping.

(h) Minimum removal efficiency for oil and grease interceptors for animal fats and vegetable oils shall be eighty (80) percent. Minimum removal efficiency for oil/water separators for trace petroleum-based wastes shall be ninety (90) percent.

(i) The Public Services Director may request that the nonresidential user provide documentation on the design and performance of the oil and grease interceptor or oil/water separator, including but not limited to, catalog cuts, performance data, materials of construction, installation instructions and operation and maintenance manual.

(j) The Public Services Director, in consultation with the operator of the treatment facility receiving wastewater from the Village, may impose additional requirements on any industrial user or other nonresidential user generating wastewater subject to the categorical pretreatment standards of 40 CFR Chapter 1, Subchapter N, Parts 405-471.

(2) *Design.*

(a) Oil and grease interceptors and oil/water separators shall be designed and constructed in accordance with this division and other applicable State and local regulations. Design and construction shall be approved by the Village.

(b) The design of oil/water separators shall be based on peak flow and, where applicable, capable of treating and removing emulsions. Oil/water separators shall be sized to allow efficient removal (retention) of the petroleum-based oils and grease from the user's discharge to the public sewer.

(c) Alternative oil and grease removal devices or technologies shall be subject to written approval by the Village and shall be based on demonstrated (proven) removal efficiencies. Under-the-sink oil and grease interceptors are prohibited for new facilities when it is determined by the village Public Services Director that an in-ground interceptor is required.

(d) An adequate number of inspection and monitoring points, such as a control manhole or inspection box, shall be provided.

(3) *Capacity.*

a) The capacity of the approved oil and grease interceptor/trap and oil/water separator shall be in accordance with the requirements set forth in the latest

edition of the Utilities' Engineering Design Handbook and Construction Standards.

b) The maximum capacity of each grease interceptor shall be 1,250 gallons. When the required effective capacity is greater than 1,250 gallons, installation of multiple grease interceptors in series is required.

(4) *Maintenance.*

(a) Each FSE shall be responsible for the costs of installing, inspecting, pumping, cleaning and maintaining its grease interceptor/trap. Pumping services shall include the initial complete removal of all contents, including floating materials, wastewater, and bottom sludge and solids from the interceptor/trap.

(b) Decanting, backflushing or discharging of removed wastes back into the oil and grease interceptor or oil/water separator from which the waste was removed or any other oil and grease interceptor or oil/water separator, for the purpose of reducing the volume to be hauled and disposed of is prohibited.

(c) Oil and grease interceptors and oil/water separators shall be pumped out completely at a minimum frequency of once every ninety (90) days, or more frequently as needed to prevent carry over of oil and grease into the collection system. Under-the-sink oil and grease traps shall be cleaned at a minimum frequency of twice per month, or more often as necessary to prevent pass through of grease and other food solids to the collection system. Cleaning and maintenance shall include removal of materials from the tank walls, baffles, cross pipes, inlets and outlets. If an FSE determines that the required interceptor pumping frequency is unnecessary in order to remain in compliance, the establishment may submit a written request for an interim inspection at a fee of $75.00 to verify compliance.

(d) Pumping frequency shall be determined by the Village based on flows, quantity of oil and grease in the discharge, volume of business, hours of operations and seasonal variations. However, in no event shall the time frame between the pumping of the oil and grease interceptor or oil/water separator exceed ninety (90) days. The user shall be responsible for maintaining the oil and grease interceptor or oil/water separator in a satisfactory condition for efficient operation. An interceptor shall be considered to be out of compliance if the grease layer on top exceeds six (6) inches and/or the solids layer on the bottom exceeds twelve (12) inches or if removal efficiencies as determined through sampling and analysis indicate less than eighty (80) percent.

(e) Wastes removed from each oil and grease interceptor or oil/waste separator shall be disposed of at a facility permitted to receive such wastes in accordance with the provisions of this Division. In no way shall the pumpage be returned to

any private or public portion of the collection system or the treatment plants without prior written approval from the Public Services Director.

(f) Additives placed into the oil and grease interceptor, (oil/water separator) or building discharge line on a constant, regular or scheduled basis shall be reported to the Village in writing at least five (5) days prior to use. Such additives include, but are not limited to, emulsifiers, enzymes, commercially available bacteria or other additives designed to absorb, purge, consume, treat or otherwise eliminate grease and oils. Any use of additives shall be approved in writing by the public services director prior to introduction into the waste stream, interceptor or separator. The use of additives shall in no way be considered as a substitution for the maintenance procedures required herein.

(5) *Inspection*

(a) Grease interceptors/traps shall be inspected by the Village as necessary to assure compliance with the Grease Management Program and to determine if proper cleaning and maintenance schedules are being adhered to. If, upon inspection, an interceptor is found to have six inches or more of grease or eight inches or more of solids, the FSE shall be required to have the interceptor pumped out within 48 hours of the inspection date. Failure to pump out the interceptor shall constitute a violation of this division.

(6) *Facility Information.*

(a) A log of pumping activities shall be maintained by the user for the previous twelve (12) months. The log of pumping activities shall be posted in a conspicuous location for immediate access by Village personnel. The log shall include the date, time, volume pumped, hauler's name and license number and hauler's signature.

(b) The user shall maintain a file on site of the records and other documents pertaining to the facility's oil and grease interceptor or oil/water separator. Required file contents shall include, as a minimum, the record (as-built) drawings, a copy of the current grease disposal permit, record of inspections, log of pumping activities and receipts, log of maintenance activities and receipts, hauler information, disposal information and monitoring data. The file shall always be available for inspection and review by representatives of the Village. The failure to maintain complete records or to provide such records to the Village upon request constitutes a violation of this division.

(7) *Enforcement and Noncompliance.*

(a) Noncompliance with the requirements of this division may result in enforcement action by the Village including, but not limited to, termination of water service.

(b) The user shall pay all outstanding fees, penalties and other utility charges prior to reinstatement of water and sewer service.

(c) Any user in the Oil and Grease Management Program found in violation of the provisions in this division, and any orders, rules, regulations and permits that are issued pursuant to this division, shall be served by the Village with written notice by personal delivery or by registered or certified mail that states the nature of the violation and providing a reasonable time limit for satisfactory correction of the violation. In addition, the user may be issued a citation with and automatic fine of $100. The affected user shall permanently cease all violations within the time period specified in the notice. If the violation is not corrected within the specified time period, an additional fine shall be assessed for noncompliance. Each additional fine will be doubled with each inspection.

(d) If grease accumulates in the wastewater collection system lines or damage to the wastewater system is caused by the discharge of oil and grease from a commercial facility required to have a grease interceptor/trap, the owner or operator may be billed for cleaning the collection lines or any other expense incurred by the Village.

Section 5. Codification. This ordinance shall be codified in the Code of Ordinances of the Village of Palm Springs, Florida.

Section 6. Repeal of Conflicting Ordinances. All ordinances, resolutions or parts of ordinances and resolutions in conflict with this Ordinance are hereby repealed.

Section 7. Severability. If any word, clause, sentence, paragraph, section or part thereof contained in this Ordinance is declared to be unconstitutional, unenforceable, void or inoperative by a court of competent jurisdiction, such declaration shall not affect the validity of the remainder of this Ordinance.

Section 8. Effective Date. This Ordinance shall become effective immediately upon adoption.

Council Member _____, offered the foregoing Ordinance, and moved its adoption. The motion was seconded by Council Member _____, and upon being put to a vote, the vote was as follows:

	Aye	Nay	Absent
BEV SMITH, MAYOR	☐	☐	☐
GARY READY, VICE MAYOR	☐	☐	☐
DOUG GUNTHER, MAYOR PRO TEM	☐	☐	☐
JONI BRINKMAN, COUNCIL MEMBER	☐	☐	☐
PATTI WALLER, COUNCIL MEMBER	☐	☐	☐

The Mayor thereupon declared this Ordinance approved and adopted by the Village Council of the Village of Palm Springs, Florida, on second reading, the _____ day of _____, 2021.

VILLAGE OF PALM SPRINGS, FLORIDA

BY: _____
BEV SMITH, MAYOR

First Reading: _____

Second Reading:_____

ATTEST:

BY: _____
KIMBERLY M. WYNN, VILLAGE CLERK

REVIEWED FOR LEGAL FORM AND SUFFICIENCY

BY: _____
GLEN J. TORCIVIA, VILLAGE ATTORNEY

Village of Palm Springs

Executive Brief

AGENDA DATE: October 14, 2021

DEPARTMENT: Administration

ITEM 9.6: Ordinance No. 2021-14 - Amendment to the Police Officers' Pension Plan (*First Reading*)

SUMMARY:

The Village Police Officers' Pension Plan Board of Trustees requested an actuarial review of the Police Pension Plan. Based upon their review, several amendments were recommended. Ordinance No. 2021-14 is presented before the Village Council to consider approval of the recommended changes as outlined in the Plan Administrator's letter.

If approved on 1st reading, the proposed ordinance will be considered for 2nd and final reading by the Village Council on November 18, 2021.

FISCAL IMPACT:

The proposed Ordinance No. 2021-14 does not have a fiscal impact to the Village.

ATTACHMENTS:

Proposed Ordinance No. 2021-14 Police Pension
Letter from Margie Adcock Plan Administrator

ORDINANCE NO. 2021-14

(POLICE OFFICERS PENSION PLAN)

AN ORDINANCE OF THE VILLAGE COUNCIL OF THE VILLAGE OF PALM SPRINGS, FLORIDA, AMENDING ORDINANCE NO. 2017-27, ADOPTED OCTOBER 12, 2017; AMENDING SECTION 22, IRC QUALIFICATION; AMENDING SECTION 24, REQUIRED DISTRIBUTIONS; PROVIDING FOR SEVERABILITY OF PROVISIONS; PROVIDING FOR PUBLICATION; PROVIDING FOR A REVISED AND RESTATED POLICE PENSION PLAN; PROVIDING FOR REPEAL OF ALL ORDINANCES IN CONFLICT HEREWITH; PROVIDING FOR AN EFFECTIVE DATE.

WHEREAS, the Village Council by Ordinance 79-18, enacted December 20, 1979, and amended Resolution R-77-16, enacted May 12, 1977, which Resolution and Ordinance created the Board of Trustees of the Municipal Police Officers' Retirement Trust Fund for the Village of Palm Springs, Florida;

WHEREAS, the Village Council by Ordinance 89-09 enacted April 27, 1989, amended said Ordinance 79-18 to provide for a method of election of Board of Trustees;

WHEREAS, the Village Council by Ordinance 93-06, adopted on July 22, 1993, amended said Ordinance 79-18 in its entirety;

WHEREAS, the Village Council by Ordinance 97-21, adopted on September 23, 1997, amended said Ordinance 93-06, in its entirety;

WHEREAS, the Village Council by Ordinance 98-26, adopted on August 6, 1998, amended said Ordinance 97-21, in its entirety;

WHEREAS, the Village Council by Ordinance 99-12 enacted May 13, 1999, amended said Ordinance 98-26 to provide for disbursements pursuant to court order;

WHEREAS, the Village Council by Ordinance No. 99-66, enacted on December 16, 1999, amended Ordinance No. 99-12, and restated the entire Hazardous Employees'

Pension Plan to comply with the statutory requirements of Chapter 99-1, Laws of Florida;

WHEREAS, the Village Council by Ordinance 2001-40, readopted and restated the entire Hazardous Employees' Pension Plan to incorporate certain changes related to employee transfers between pension plans and vesting;

WHEREAS, the Village Council by Ordinance 2004-45, enacted on October 28, 2004, readopted and restated the entire Hazardous Employees' Pension Plan in its entirety;

WHEREAS, the Village Council by Ordinance 2005-30, enacted on October 27, 2005 readopted and restated the entire Hazardous Employees' Pension Plan in its entirety;

WHEREAS, the Village Council by Ordinance 2007-20, enacted on October 25, 2007, readopted and restated the entire Hazardous Employees' Pension Plan in its entirety;

WHEREAS, the Village Council by Ordinance 2010-24, enacted on September 23, 2010 readopted and restated the entire Police Officers Pension Plan in its entirety;

WHEREAS, the Village Council by Ordinance 2011-06, enacted on June 9, 2011, readopted and restated the entire Police Officers Pension Plan in its entirety;

WHEREAS, the Village Council by Ordinance 2017-27, enacted on October 12, 2017;

WHEREAS, changes to the Internal Revenue Code happen quickly and frequently. There is a benefit in authorizing the Board to make appropriate changes to the Plan in order to maintain the Plan's tax qualified status;

WHEREAS, effective January 1, 2020, the Internal Revenue Code was amended by increasing the required minimum distribution from age 70-1/2 to 72;

WHEREAS, to implement the change, it is necessary to amend the Plan; and

WHEREAS, the Village Council has determined it is in the best interest of the Plan

and the Village citizens to amend the Plan.

NOW, THEREFORE, BE IT ORDAINED BY THE VILLAGE COUNCIL OF THE VILLAGE OF PALM SPRINGS, FLORIDA, THAT:

Section 1. Ordinance No. 2017-27 adopted by the Village Council on October 12, 2017, is hereby amended to read in its entirety as follows:

(balance of page left intentionally blank)

VILLAGE OF PALM SPRINGS POLICE PENSION PLAN

Section 1. Legislative Intent; Statutory Authority; Findings.. ..... -1-

Section 2. Title. ..... -1-

Section 3. Establishment and continuation.. ..... -2-

Section 4. Definitions. ..... -3-

Section 5. Membership. ..... -7-

Section 6. Board of Trustees..... -8-

Section 7. Finance and Plan Management.. ..... -10-

Section 8. Contributions.. ..... -14-

Section 9. Benefit Amounts and Eligibility.. ..... -16-

Section 10. Pre-retirement Death..... -22-

Section 11. Disability. ..... -22-

Section 12. Deferred Retirement Option Plan. ..... -25-

Section 13. Vesting.. ..... -27-

Section 14. Separation from Service..... -28-

Section 15. Optional Forms of Benefits..... -28-

Section 16. Beneficiaries..... -31-

Section 17. Hearing Procedures.. ..... -31-

Section 18. Cost of Living Adjustment. ..... -32-

Section 19. Effect of Social Security Benefits. ..... -32-

Section 20. Disbursement Pursuant to Court Order. ..... -32-

Section 21. Termination. ..... -33-

Section 22. IRS Qualification. ..... -34-

Section 23. Rollover Distributions. ..... -34-

Section 24. Required Distributions. ..... -36-

Section 25. 401(a)(17) Limitation on Compensation. ..... -36-

Section 26. 415 Internal Revenue Code Limits. ..... -37-

Section 27. Severability..... -39-

Section 28. Effective Date..... -39-

Section 1. Legislative Intent; Statutory Authority; Findings.

A. The Village Council, pursuant to the statutory authority under Florida Statutes Section 185.35, has previously declared its intent and purpose in adopting this Article to invoke a local plan providing for retirement and disability benefits for the police officer employees of the Village's Department of Public Safety, by adopting Ordinance No. 79-18, dated December 20, 1979, the date the Plan System was established in its present form.

B. The Village Council further declares and finds that police officer employees, as herein defined, perform municipal functions, keep the public peace, preserve and protect both life and property and their activities and functions are vital to the health, safety and general welfare of the Village and its citizens; therefore, the Village Council finds and declares this to be a proper and legitimate stated purpose to provide a uniform retirement system for the benefit of police officer employees, as hereinafter defined.

C. The Village Council intends, in the future, to regularly consider pension plan amendments to assure the adequacy of benefits as determined by the Village Council and intends that the Pension Plan meet the requirements of Florida Statutes Chapter 112 Part VII.

D. This System is intended to be a tax qualified plan under Code Section 401(a) and meet the requirements of a governmental plan as defined in Code Section 414(d).

Section 2. Title.

This article shall be known as may be cited as the "Village of Palm Springs Police Officers Pension Plan."

Section 3. Establishment and continuation.

The Village Council, having declared itself on the purpose and intent, does hereby continue the establishment and creation of the Village of Palm Springs Municipal Police Officers' Retirement Trust Plan, once known as the Village of Palm Springs Hazardous Duty Employees' Pension Plan, now known as the Village of Palm Springs Police Officers Pension Plan, which establishment and creation was originally dated December 20, 1979, for the Village of Palm Springs, Florida. All police officers in the plan shall continue to receive credit for service rendered as a hazardous duty employee for the Village of Palm Springs.

The Village also hereby establishes this Trust Fund as a substituted Trust, for the purpose of providing retirement income to firefighters retired from the Village on service disability retirements and survivor income to beneficiaries. Additionally, this Trust Fund will hold the

accrued termination benefits for certain former firefighters who have not yet claimed their benefits.

The Plan was closed to new members effective June 30, 2010. Prior to the determination to move to the Florida Retirement System, the membership held a referendum in favor of such a move. The individual members were provided information regarding their benefits and the individual members made a determination whether to stay in the Village Pension Plan or to move to the Florida Retirement System. All future police officers shall be compulsory members of the Florida Retirement System. Under Florida Statutes Chapters 175/185, the substitution of the Florida Retirement System for the Village Pension Plan results in the termination of participation in Chapters 175/185. Upon the Plan's termination of participation in Chapters 185, all of the active members are vested in their accrued retirement benefit, including the new share accounts created by this ordinance.

Section 4. Definitions.

As used herein, unless otherwise defined or required by the context, the following words and phrases shall have the meaning indicated.

A. Accumulated Contributions means a Member's own contributions without interest or amounts deducted from a Member's salary or picked up on behalf of a Member.

B. (reserved).

C. Actuarial Equivalent means a benefit or amount of equal value, based upon the most recent UP Mortality Table at an interest rate of eight percent (8%) per annum. The actuarial reduction factor applicable to early retirement shall be three percent (3%) per year.

D. *And* shall have a conjunctive meaning.

E. (reserved).

F. *Average Final Compensation on a monthly basis* shall mean one-twelfth (1/12) of the average salary of the five (5) best years of the last ten (10) years of credited service prior to retirement, termination, disability or death, or the career average as a full time employee since July 1, 1953, whichever is greater. A year shall be 12 consecutive months of full time employment as defined by the Village. Compensation in excess of the limitation set forth in Section 401(a)(17) of the Internal Revenue Code shall be disregarded. The limitation on compensation for "eligible employees" shall not be less than the amount which was allowed to be taken into account under the System as in effect on July 1, 1993.

G. *Beneficiary* means the person(s) entitled to receive benefits hereunder at the death of a Member who has been designated in writing by the Member and filed with the Board. If no such designation is in effect, or if no person(s) so designated is living, at the time of death of the Member, the beneficiary shall be the estate of the Member.

H. *Benefit* means a retirement allowance or other payment provided by the retirement plan.

I. *Board* means the Board of Trustees, which shall administer and manage the System herein provided and serve as Trustees of the Plan.

J. *Child* means the natural or adopted child of a Member. Child shall also mean a stepchild for whom the Member is providing support as a dependent, and whom the Member has claimed as a dependent on the most recent federal income tax return.

K. *Code* means the Internal Revenue Code of 1986 as amended from time to time.

L. *Credited Service* means the total number of years and fractional parts of years of service as a hazardous duty employee, omitting intervening years or fractional parts of years when such hazardous duty employee was not employed by the Village.

1. Credit for Military Service. The years or fractional parts of years that a police officer employee serves on Active Duty, in the military services of the Armed Forces of the United States or the United States Merchant Marine, voluntarily or involuntarily upon being granted leave by the Village and separation from employment as a police officer must return to his or her employment as a police officer with the Village, shall be added to his or her years of credited service providing that the police officer with the Village as provided by law. In the event that any state or federal law shall provide veterans benefits in conflict with the provisions of this Ordinance the provision providing the highest level of benefit shall prevail. In determining the creditable service of any Member, credit for up to five (5) years of the time spent in the military service of the Armed Forces of the United States shall be added to the years of actual service if:

(1) The Member is in the active employ of the Village immediately prior to such service and leaves a position, other than a temporary position, for the purpose of voluntary or involuntary service in the Armed Forces of the United States.

(2) The Member is entitled to reemployment under the provisions

of the Uniformed Services Employment and Reemployment Rights Act.

(3) The member returns to his or her employment as an employee of the Village as provided by law. Effective January 1, 2007, members who die or become disabled while serving on active duty military service which intervenes the member's employment shall be entitled to the rights of this section even though such member was not re-employed by the Village. Members who die or become disabled while on active duty military service shall be treated as though re-employed the day before the Member became disabled or died, was credited with the service they would have been entitled to under this section, and then either died a non-duty death while employed or became disabled from a non-duty disability.

2. Transfer of Service Between Village Plans.

a. In the event that a Member of any other Village pension or retirement Plan changes his job status with the Village such that he is considered a Participant as defined in this Plan, he shall be subject to the following:

(1) If not already fully vested in another Village pension or retirement plan, the Accumulated Contributions from the other Plan, if any, will be retained by the other plan. The member shall be treated the same as an "Inactive Member" of the other Plan and therefore entitled to the plan of benefits which were in existence in the other Plan on the date of transfer to this plan. Credited Service up to the date of transfer to this plan will be counted for purposes of determining eligibility for benefits and vesting, but not for purposes of benefit accrual. Credited Service in the other plan shall be credited with the multiplier for that plan at the time of transfer, and service in this Plan shall be credited with the multiplier for this Plan. Upon retirement, the Member shall receive pension payments from each plan using the final average salary earnings at the time of retirement for both Plans, based upon the service and multiplier in each plan, and each pension payment shall become due and payable on the respective plan's early or normal retirement date.

(2) If already fully vested in another Village pension plan, the member shall be entitled to all of the rights and benefits according to that plan, and upon transferring into this plan, shall be entitled to all rights and benefits as a new employee. Any members who transfer within the Village to a position formerly covered by this Plan on or after June 30,

2010 shall be a new member in the Florida Retirement System.

(3) To become eligible for a pension in both plans, the member must have satisfied the service requirements for full vesting, that is, ten (10) years of total combined service with the Village. Should a member not fully vest, then the benefit payable shall be the partial benefit, which was earned under each plan, if any.

M. *Dependent Parent* means a Member's natural or adopted mother or father or stepmother or stepfather, who the Member has claimed as a dependent on the most recently filed federal income tax return.

N. *Disability* means the permanent and total incapacity to perform regular and continuous duty as a police officer for the Village.

O. *Early Service Retirement* means a Member's withdrawal from service under circumstances permitting the payment of a retirement benefit before such Member is eligible for normal service retirement.

P. *Employee* means a police officer presently employed by the Village.

Q. *Firefighter* means former hazardous duty employees of the Village who are receiving or are entitled to receive retirement benefits under this plan as a substituted trust.

R. *Hazardous duty employee* means an actively employed full-time person, employed by the Village, including his or her initial probationary employment period, who is certified as either a Police Officer or Firefighter or Paramedic as provided in Sections 121.0515, 401.27, 633.35, and 943.1395; Florida Statutes, as the same may be amended from time to time. This definition includes those Firefighters who were formerly employed by the Village but terminated due to the Village's transfer of the governmental function.

S. *Hour of Service* means each hour for which an employee is paid for performance of duties or entitled to payment by reason of vacation, holidays, illness, disability, paid layoff and any other period of non-working time for which an employee is entitled to be paid pursuant to applicable municipal policy.

T. *Member* means an actively employed and duly certified Hazardous duty employee who fulfills the prescribed participation requirements.

U. *Option* means one of several choice available to Members with respect to the manner in which a retirement allowance may be paid.

V. *Pension* means a series of periodic payments, usually for life, payable in monthly installments

W. *Pension Plan, Plan or Retirement Plan* means Police Officers Pension Plan.

X. *Pick-Up Amounts* means employer contributions derived from a Member's salary through a reduction in the Member's salary.

Y. *Plan Year* means the period from October 1 through September 30 of the following year.

Z. *Police Officer* means an actively employed full-time person, employed by the Village, including his or her initial probationary employment period, who is certified as a Police Officer as provided in Sections 121.0515, 401.27, 633.35, and 943.1395; Florida Statutes, as the same may be amended from time to time. This definition includes all certified supervisory and command personnel whose duties include, in whole or in part, the supervision, training, guidance, and management responsibilities of full-time law enforcement officers, part-time law enforcement officers, or auxiliary law enforcement officers, but does not include part-time law enforcement officers or auxiliary law enforcement officers as the same are defined in s. 943.10(6) and (8), respectively.

AA. *Retirement* means a Member's withdrawal from active service with a benefit granted to the Member pursuant to the provisions of the Ordinance.

BB. *Salary* means the total monthly cash remuneration including "overtime" paid by the primary employer to a member for services rendered, including payments for extra duty or special detail work, but not including any payments for extra duty or special detail work paid directly by a second party employer. The member's salary contributed as employee-elective salary reduction, deferred compensation, or tax-sheltered annuity program authorized under the Internal Revenue Code shall be deemed to be the compensation or salary the member would receive if he or she were not participating in such program and shall be treated as compensation for retirement purposes. Beginning with salary after December 31, 2008, and pursuant to Internal Revenue Code Section 414(u)(7), the definition of salary includes amounts paid by the Village as differential wages to members who are absent from employment while in qualified military service.

CC. *Service* means active service as an employee.

DD. *Service Retirement* means a Member's retirement from active service under circumstances permitting payment on a pension without reduction because of age or length of service and without special qualifications such as disability. Service retirements shall be considered normal retirement.

EE. *Spouse* means the lawful wife or husband of a Member at the time of pre-retirement death or retirement.

FF. *System* means the Village of Palm Springs Police Officers Pension Plan as contained herein and all amendments thereto.

GG. *Trustee* means a member of the Board of Trustees of the Pension Plan.

HH. *Vested Benefit* means an immediate or deferred benefit to which a Member has gained a non-forfeitable right under the provisions of this Ordinance.

II. *Village* means Village of Palm Springs, Florida.

Section 5. Membership.

A. Conditions of Eligibility

All hazardous employees hired before September 30, 2009, and all police officer employees hired before June 30, 2010, become members in the Pension Plan as a condition of employment. All police officers hired after June 29, 2010, shall become participants in the Florida Retirement System in accordance with Village of Palm Springs Resolution 2010 - 03.

Effective October 1, 2009, all police employees, and police employees who are hereafter employed shall become members of this System as a condition of employment. All hazardous duty employees, as of October 1, 1992, and all hazardous duty employees hereafter employed through September 30, 2009, shall become Members of this System as a condition of employment.

B. Membership

1. Each police officer member shall complete a form prescribed by the Board providing the following information:

(1) Acceptance of the terms and conditions of the System, (including an initialing of any declaration of ineligibility for disability benefits); and

(2) Designation of Beneficiary or Beneficiaries; and

(3) A certified statement as to prior medical history; and

(4) A written release permitting the Board to obtain and distribute all medical records to the Board Members, its attorney, and any medical professionals or other professionals retained by the Board.

For purposes of all benefits hereunder, Membership shall be considered to have been in effect from date of employment, even though formally accepted and approved by the Board at a later date.

2. Each Firefighter who was a Retired Member of the Predecessor Plan on the day of termination shall receive monthly benefits from this Plan on an uninterrupted basis. The retired members of the Plan who are eligible to receive benefits are attached as Exhibit "A" to this Plan. The names of the active members of the Plan who are eligible to receive their accrued termination benefits and who did not yet claim the benefit are attached as Exhibit "B" to this Plan, which also lists the amounts due.

3. Vested Deferred Retirement. Members who terminated their employment but were not yet entitled to early or normal retirement who are listed on Exhibit A under the heading "Vested Deferred Retirement."

C. Change in Designation of Beneficiary

A Member may from time to time change his or her designated Beneficiary by written notice to the Board upon forms provided by the Board. Upon such change the rights of all previously designated Beneficiaries to receive any benefits under the System shall cease. Notwithstanding any other provision of this section, a retired Member may change his or her designation of joint annuitant or beneficiary up to two times as provided in s. 185.161(1)(c) without the approval of the board of trustees or the current joint annuitant or beneficiary. The retiree is not required to provide proof of the good health of the joint annuitant or beneficiary being removed, and the joint annuitant or beneficiary being removed need not be living. Any retired Member who desires to change his or her joint annuitant or beneficiary shall file with the board of trustees a notarized notice of such change. Upon receipt of a completed change of joint annuitant form or such other notice, the board of trustees shall adjust the retiree's monthly benefit by the application of actuarial tables and calculations developed to ensure that the benefit paid is the actuarial equivalent of the present value of the retiree's current benefit and there is no impact to the Plan.

Section 6. Board of Trustees.

A. The sole and exclusive administration and responsibility for the proper operations of the System and for making effective the provisions of this Ordinance are hereby vested in a Board of Trustees consisting of five (5) Trustees, two (2) of whom, unless otherwise prohibited by law, shall be legal residents of the Village and shall be appointed by the Palm Springs Village Council and two (2) of whom shall be full-time police officer Members of the System, who shall be elected by a majority of the employees who are

Members of the System. The fifth (5th) Trustee shall be chosen by a majority of the previous four (4) Trustees as provided for herein, and such person's name shall be submitted to the Palm Springs Village Council. Upon receipt of the fifth (5th) person's name, the Palm Springs Village Council shall, as a ministerial duty, appoint such person to the Board of Trustees as its fifth (5th) Trustee. The fifth (5th) Trustee shall have the same rights as each of the other four (4) Members appointed or elected as herein provided and may succeed himself or herself in office. Each resident members shall serve as a Trustee for a period of (2) two years, unless sooner replaced by the Village Council, at whose pleasure he or she shall serve, and may succeed himself or herself as Trustee. Each police officer member shall serve as a Trustee for a period of (2) two years, unless he or she sooner leaves the employment of the Village as a police officer employee, whereupon his or her successor shall be chosen in the same manner as the Department Member. Each police officer employee Trustee may succeed himself or herself in office. The fifth (5th) Trustee shall be appointed for a period of two (2) years and may succeed himself or herself in office. The Board of Trustees shall meet at least quarterly. The Board of Trustees shall be a legal entity with, in addition to the other powers and responsibilities contained herein, the power to bring and defend lawsuits of every kind, nature and description. In any judicial proceeding or administrative proceeding brought under or pursuant to the provisions of this plan, or Florida law, the prevailing party shall be entitled to recover the costs thereof, together with reasonable attorney's fees.

B. The Trustees shall by a majority vote elect a chair, a vice-chair, and a secretary. The Chair shall be responsible for chairing all meetings of the Board and for signing documents authorized by the Board. The Chair shall also be responsible for all other duties normally associated with such position. The Vice-Chair shall perform the duties of the Chair in the event of absence or disability. The Secretary of the Board shall be responsible to assure that a complete minute book of the actions, proceedings, or hearings of the Board is kept. The Trustees shall not receive any compensation as such but may receive expenses and per diem from the Plan, as provided by law.

C. Three (3) Trustees present at a meeting shall constitute a quorum. Each Trustee shall be entitled to one (1) vote on the Board. A majority of Board Members voting shall be necessary for any decision by the Trustees at any meeting of the Board. A Trustee shall have the right to refrain from voting as a result of a conflict of interest, provided such conflict is announced prior to a vote on the conflicted issue, and is reduced to writing, prior to the next meeting, and filed with the Secretary.

D. The Board of Trustees shall engage such actuarial, accounting, administrative, legal, and other services as shall be required to transact the business of the System. The compensation of all persons engaged by the

Board of Trustees and all other expenses of the Board necessary for the operation of the System shall be paid from the Plan at such rates and in such amounts as the Board of Trustees shall agree.

E. The Board of Trustees shall have the right to procure liability insurance to cover the Trustees, and each Trustee, with regard to potential actions for wrong conduct.

F. The duties and responsibilities of the Board of Trustees shall include, but not necessarily be limited by, the following:

(1) To construe the provisions of the System and determine all questions arising thereunder.

(2) The determine all questions relating to eligibility and participation.

(3) To determine and certify the amount of all retirement allowances or other benefits hereunder.

(4) To establish uniform rules and procedures to be followed for administrative purposes, benefit applications and all matters required to administer the purposes, benefit applications and all matters required to administer the System.

(5) To distribute to Members at regular intervals information concerning the System.

(6) To receive and process all applications for participation and benefits.

(7) To authorize all payments whatsoever from the Plan, and to notify the disbursing agent, in writing, of approved benefit payments and other expenditures arising through operation of the System and Plan.

(8) To have performed actuarial studies and at least biannual valuations and make recommendations regarding any and all changes in the provisions of the System.

(9) To perform such other duties as are specified in this Ordinance or in Section 185.06, Florida Statutes.

Section 7. Finance and Plan Management.

Establishment and Operation of Plan.

A. As part of the System there is hereby established the "Fund", into which shall be deposited all of the contributions and assets whatsoever attributable to the System, including the assets of any prior Municipal Police Officers' Retirement Plan and of the Firemen's Relief and Pension Plan.

B. The custody and supervision of the Plan , and all assets thereof, shall be vested in the Board of Trustees. Payment of benefits and disbursements from the Plan shall be made by a disbursing agent, but only upon written authorization from the Board.

C. All funds of the Pension Plan may be deposited by the Board of Trustees with the Village's Finance Director, who shall be liable in the same manner and to the same extent as he or she is liable for the safekeeping of public funds for the Village. However, any funds so deposited with the Finance Director shall be kept in a separate fund or clearly identified as such funds of the Pension Plan. In lieu thereof, or in addition thereto, the Board of Trustees shall deposit the funds and securities of the Plan in a qualified public depository which shall conform to and be bound by all of the provisions of Chapter 280, Florida Statutes. In order to fulfill its investment responsibilities as set forth herein, the Board may retain the services of a custodian bank, a qualified investment advisor, an insurance company, other related professional or a combination of these, for the purposes of investment decisions and management. Such investment manager shall have discretion, subject to any guidelines prescribed by the Board, for the investment of all Plan assets.

D. All funds and securities of the System may be commingled in the Plan, provided that accurate records are maintained at all times reflecting the financial composition of the Plan, including accurate current accounts and entries regarding the following:

(1) Current amounts of Accumulated Contributions of Members on both an individual and aggregate account basis, and

(2) Receipts and disbursements, and

(3) Benefit payments, and

(4) Current amounts clearly reflecting all monies, funds, and assets whatsoever attributable to contributions and deposit from the Village, and

(5) All interest, dividends, and gains (or losses) whatsoever, and

(6) Such other entries as may be properly required so as to reflect a clear and complete financial report of the Plan .

E. An independent financial audit shall be performed annually by a Certified Public Accountant for the most recent fiscal year of the Village showing a detailed listing of assets and a statement of all income and disbursements during the year. Such income and disbursements must be reconciled with the assets at the beginning and the end of the year. Such report shall reflect a complete evaluation of assets on both a cost and market basis, as well as other items normally included in a certified audit.

F. The Board of Trustees shall have the following investment powers and authority subject to the fiduciary standards in ss. 112.656, 112.661, and 518.11, Florida Statutes, and the Code of Ethics in ss. 112.311-112.3187, Florida Statutes:

(1) The Board of Trustees shall be vested with full legal title to said Plan, subject to the absolute authority and power of the Village Council to amend or terminate this Trust, provided that no amendment or Plan termination shall ever result in the use of any assets of this Plan, except for the payment of regular expenses and benefits under this System. All contributions from time to time paid into the Plan, and the income thereof, without distinction between principal and income, shall be held and administered by the Board or its agent in the Plan, and the Board shall not be required to segregate or invest separately any portion of the Plan .

(2) All monies paid into or held in the pension plan shall be invested and reinvested by the Board and the investment of all or any part of such funds shall be limited to:

(a) Annuity and life insurance contracts of life insurance companies in amounts sufficient to provide, in whole or in part, the benefit to which all of the participants in the Plan shall be entitled under the provision of this Plan and pay the initial and subsequent premium thereon.

(b) Any and all Investments as permitted by Florida Statutes §215.47 subject to the investment policy guidelines adopted by the Board in accordance with Florida Statutes §112.661.

(3) The Board of Trustees may retain in cash and keep unproductive of income such amount of the Plan assets as it may deem advisable, having regard for the cash requirements of the System.

(4) The Board may cause any investment in securities held by it to be registered in or transferred into its name as Trustee or into the name

of such nominee as it may direct, or it may retain them unregistered and in form permitting transferability, but the books and the records shall at all times show that all investments are part of the Pension Plan.

(5) The Board is empowered, but is not required, to vote upon any stocks, bonds, or securities of any corporation, association, or trust and to give general or specific proxies or powers of attorney with or without power of substitution; to participate in mergers, reorganizations, recapitalizations, consolidations, and similar transactions with respect to such securities; to deposit such stock or other securities in any voting trust or any protective or like committee with the Trustees or with depositories designated thereby; to amortize or fail to amortize any part of all of the premium or discount resulting from the acquisition or disposition of assets; and generally to exercise any of the powers of an owner with respect to stocks, bonds, or other investments comprising the Plan assets which it may deem to be to the best interest of the Plan to exercise.

(6) The Board shall not be required to make any inventory or appraisal or report to any court, nor to secure any order of court for the exercise of any powers contained herein.

(7) Where any action which the Board is required to take, or any duty or function which it is required to perform either under the terms herein or under the general law applicable to it as Trustee under this Ordinance, can reasonably be taken or performed only after receipt from a Member, the Village, or any other entity, of specific information, certification, direction or instructions, the Board shall be free of liability in failing to take such action or perform such duty or function until such information, certification, direction or instruction has been received by it.

(8) Any overpayments or underpayments from the Plan to a Member or Beneficiary caused by errors of computation shall be adjusted with interest at a rate per annum approved by the Board. Overpayment shall be charged against payments next succeeding the correction. Underpayments shall be made up from the Plan .

(9) The Board as well as the individual Trustees shall sustain no liability whatsoever for the sufficiency of the Plan to meet the payments and benefits herein provided for.

(10) In any application to or proceeding or action in the courts, only the Board shall be a necessary party, and no Member or other person having an interest in the Plan shall be entitled to any notice or service

of process. Any judgment entered in such a proceeding or action shall be conclusive upon all persons.

(11) Any of the foregoing powers and functions reposed in the Board may be performed or carried out by the Board through duly authorized agents, provided that the Board at all times maintains continuous supervision over the acts of any such agent; provided further, that legal title to said Plan shall always remain in the Board of Trustees.

(12) The Board shall adopt a written investment policy setting forth the allocation of Plan assets to various classes of investment, taking into account the financial needs of the Plans, such risk as is deemed prudent, and the expected rate of return of each class of investment. The Board shall secure the services of a qualified investment advisor to assist in the development of the investment policy and who shall report, at least on an annual basis, on the relative performance of each investment manager holding assets of the Plan to expected performance benchmarks and to further determine compliance with the investment policy and objectives of the Plan .

G. The Board shall submit an actuarial valuation of the retirement plan to the Division of Retirement at least once every three (3) years, as provided in Florida Statutes, Section 112.63, commencing three (3) years from the last actuarial valuation of the Plan or System for existing plans, or commencing three (3) years from issuance of the initial actuarial impact statement submitted under Section 112.63 for newly created plans. Such valuation shall be prepared by an enrolled actuary subject to the following conditions:

(1) The assets shall be valued as provided in s. 112.625(7).

(2) The cost of the actuarial valuation must be paid by the individual members' retirement fund or by the sponsoring municipality.

(3) A report of the valuation, including actuarial assumptions and type and basis of funding, shall be made to the division within three (3) months after the date of valuation. If any benefits are insured with a commercial insurance company, the report must include a statement of the relationship of the retirement plan benefits to the insured benefits, the name of the insurer, the basis of premium rates, and the mortality table, interest rate, and method used in valuing the retirement benefits.

Section 8. Contributions.

A. Member Contributions.

(1) Amount. Members of the System shall be required to make regular contributions to the Plan in the amount of six and six-tenths percent (6.6%) of his or her salary. Member contributions withheld by the Village on behalf of the Member shall be deposited with the Board immediately after each pay period. The contributions made by each Member to the Plan shall be designated as Employee contributions pursuant to Section 414(h) of the Internal Revenue Code of 1986. Such designation is contingent upon the contributions being excluded from the Members' gross income for Federal Income Tax purposes. For all other purposes of the Plan, such contributions shall be considered to be Member contributions. The Village shall "pick-up" the Member contributions required by this subpart for all compensation earned after September 30, 1998. The contributions so picked up shall be treated as contributions being paid by the employer in lieu of contributions by the employee in determining tax treatment under the United States Internal Revenue Code. The Village shall pick up the Member contributions from funds established and available in the salaries account, which funds would otherwise have been designated as Member contributions and paid to the Pension Plan. Member contributions picked up by the Village pursuant to this section shall be treated for all other purposes of this and other laws of the Village in the same manner and to the same extent as member contributions made prior to September 30, 1997.

(2) Method. Contributions hereunder shall be made by payroll deduction.

(3) Increases. Member contributions may be increased by consent of the members collective bargaining representative or, if none, by majority consent of members of the Plan to provide greater benefits.

B. State Contributions.

(1) Any monies received or receivable by reason of laws of the State of Florida, for the express purpose of funding and paying for retirement benefits for police officer employees of the Village ("Chapter 185 monies" or State Contributions) shall be deposited in the Plan comprising part of this System, immediately, and under no circumstances more than five (5) days after receipt by the Village. Such monies shall be accounted for separately and kept on a segregated bookkeeping basis.

(2) Effective for the fiscal year ended September 30, 2015, the Village shall use $45,098.00 of the Chapter 185 monies to offset its contribution to the Plan. Any Chapter 185 money received in the fiscal year ended September 30, 2015, in excess of $45,098.00 shall be split

evenly between the Village and the active Members who were employed on June 29, 2014. The Members shares will be divided on an equal pro-rata basis as provided for in Section 9 H and deposited to the Share Accounts. The Village's portion shall be used to offset the Village's Contribution to the Plan.

(3) Effective with the Chapter 185 money received in calendar year 2016 and each calendar year thereafter, the first $28,913.23 will be used to offset the Village's contribution. Any Chapter 185 money received in excess of $28,913.23 shall be split evenly between the Village and the active Members who were employed on October 1 of each year for which the money was received. The Members shares will be divided on a pro-rata basis as provided for in Section 9 H and deposited to the Share Accounts. The Village's portion shall be used to offset the Village's Contribution to the Plan.

C. Village Contributions.

So long as this System is in effect, the Village Council shall appropriate and make quarterly contributions to the Plan in an amount equal to the difference in each year between the total aggregate Member contributions for the year, and the normal cost for the year, as shown by the most recent actuarial valuation of the System. The Village's Contribution shall also be offset by the appropriate amount of State Contributions as provided for in Section 8 B. The total cost for any year shall be defined as the total normal cost plus the additional amount sufficient to amortize the unfunded past service liability over a forty (40) year period, commencing with October 1, 1992.

D. Donations.

Private donations, gifts, contributions, and the like, may be deposited to the Plan , but such deposits must be accounted for separately and kept on a segregated bookkeeping basis. Funds arising from these sources may be used only for additional benefits for Members, as determined by the Board, and may not be used to reduce what would have otherwise been required Village contributions.

Section 9. Benefit Amounts and Eligibility.

A. Normal Retirement Date.

A Member’s normal retirement date shall be the first day of the month coincident with, or next following:

1. The attainment of age fifty-five (55), and the completion of ten (10) years of credited service; or

2. The attainment of age fifty (50) and the completion of fifteen (15) years of credited service; or

3. The completion of twenty (20) years of credited service regardless of age.

B. Normal Retirement Benefit.

A Member retiring hereunder on or after his or her normal retirement date shall receive a monthly benefit which shall commence on his or her Retirement date and be continued thereafter during his or her lifetime, ceasing upon death, but with one hundred twenty (120) monthly payments guaranteed in any event. The monthly retirement benefit shall equal to three percent (3%) of average final compensation, for each year of credited service.

C. Early Retirement Date.

A Member may retire on his or her early retirement date which shall be the first day of any month coincident with or next following the later of the attainment of age fifty (50) and the completion of ten (10) years of credited service, or the attainment of age forty-five (45) with fifteen (15) years of credited service.

D. Early Retirement Benefit.

The monthly amount of retirement income payable to a Member who retires prior to his or her normal retirement date under the provisions of this section shall be an amount computed as described in subsection B, above, taking into account his credited service to his date of actual retirement and his average final compensation as of such date. There will be a three percent (3%) reduction per year for each year that the member retires prior to his or her Normal Retirement Date, with a maximum reduction of fifteen percent (15%).

E. Effect of Disability Benefits.

Any retirement benefit to which any Member is entitled shall be reduced by the amount of disability retirement benefit being received by the Member, if any.

F. Chapter 175 Share Account.

(1) A separate individual member account shall be established and maintained in each actively employed Firefighter member's name effective September 30, 2009. Additionally, a share account shall be established in the name of each Firefighter Retiree receiving benefits on September 30, 2009, and each Vested Terminated Firefighter entitled to future benefits as of September 30, 2009.

(2) The Share accounts shall be credited with a one-time deposit of a pro rata share of the Chapter 175 Moneys accumulated for extra benefits as of September 30, 2009, including the Supplemental Chapter 175 Moneys due but not received by September 30, 2009. As of September 30, 2009, including the Supplemental payment due but not yet received, the Chapter 175 Money totaled $146,693.

(3) The dollars will be divided and credited to the accounts of each Firefighter Member, Firefighter Retiree and Vested Terminated Firefighter in an amount directly proportionate to the number of years of credited service the Firefighter member (including Firefighter Retirees and Vested Terminated Firefighters) has compared to the total number of years of credited service for all Firefighter Members, all Firefighter Retirees, and all Vested Terminated Firefighters as of September 30, 2009.

(4) During the time that the Share Accounts are in the Plan, the assets will be credited with investment earnings (or losses) in the same percentage as are earned (or lost) by the total investment earnings (or losses) of the Plan as a whole, unless the Board dedicates a separate investment portfolio for chapter 175, Florida Statutes, share accounts, in which case the investment earnings (or losses) shall be measured by the investment earnings (or losses) of the separate investment portfolio.

(5) Eligibility for benefits. Any Firefighter member who terminates employment with the Village and is eligible to receive a pension shall be entitled to 100 percent of the value of his or her individual member account. Firefighter Members who terminate employment and take a refund of contributions in lieu of any benefits are not eligible for a share account benefit. The Chapter 175 money allocated to their share account shall be forfeited and redistributed among the Firefighter Members including retirees and vested terminated Firefighters who did not take a refund and who are being paid a retirement benefit or will be paid one in the future.

(6) Payment of benefits. Members shall be required to take distribution from the Share account upon retirement. The benefit shall be payable

in a lump sum payment of the entire balance of the Firefighter member's account upon the written election of the member on a form provided by the Board.

(7) Death of Firefighter member with a Share account still in the Plan. If a Firefighter member dies and is eligible for a share account, the entire balance of the firefighter member account shall be converted to the name of the designated beneficiary and the entire balance shall be paid out in a lump sum to the beneficiary. If there is no beneficiary or if the beneficiary predeceases the Firefighter member, the entire balance shall be paid to the Firefighter member's estate.

(8) Upon termination of the Firefighter portion of the Plan, the Chapter 175 money is no longer payable to the Plan. Therefore, there will be no additional deposits to the Share Accounts.

G. Chapter 185 Share Account.

(1) A separate individual member account shall be established and maintained in each actively employed Police Officer member's name effective July 1, 2010. Additionally, a share account shall be established in the name of each Police Retiree receiving benefits on July 1, 2010, and each Vested Terminated Police entitled to future benefits as of July 1, 2010.

(2) The Share accounts shall be credited with a one-time deposit of a pro rata share of the Chapter 185 Moneys accumulated for extra benefits as of July 1, 2010, including the Chapter 185 Moneys due for 2009 but not received by July 1, 2010. As of July 1, 2010, excluding the payment due but not yet received, the Chapter 185 Money totaled
$106,889. After receipt of the Chapter 185 money for 2009, there shall be no additional Chapter 185 distributions.

(3) The dollars will be divided and credited to the accounts of each Police Officer Member, Police Officer Retiree and Vested Terminated Police Officer in an amount directly proportionate to the number of years of credited service the Police Officer member (including Police Officer Retirees and Vested Terminated Police Officer) has compared to the total number of years of credited service for all Police Officer Members, all Police Officer Retirees and all Vested Terminated Police Officer as of July 1, 2010.

(4) During the time that the Share Accounts are in the Plan, the assets will be credited with investment earnings (or losses) in the same percentage as are earned (or lost) by the total investment earnings (or

losses) of the Plan as a whole, unless the Board dedicates a separate investment portfolio for chapter 185, Florida Statutes, share accounts, in which case the investment earnings (or losses) shall be measured by the investment earnings (or losses) of the separate investment portfolio.

(5) Eligibility for benefits. Any Police Officer member who terminates employment with the Village and is eligible to receive a pension shall be entitled to 100 percent of the value of his or her individual member account. Police Officer Members who terminate employment and take a refund of contributions in lieu of any benefits are not eligible for a share account benefit. The Chapter 185 money allocated to their share account shall be forfeited and redistributed among the then active Police Officer Members.

(6) Payment of benefits. Members shall be required to take distribution from the Share account upon retirement. The benefit shall be payable in a lump sum payment of the entire balance of the Police Officer member's account upon the written election of the member on aform provided by the Board.

(7) Death of Police Officer member with a Share account still in the Plan. If a Police Officer member dies and is eligible for a share account, the entire balance of the Police Officer member account shall be converted to the name of the designated beneficiary and the entire balance shall be paid out in a lump sum to the beneficiary. If there is no beneficiary or if the beneficiary predeceases the Police Officer member, the entire balance shall be paid to the Police Officer member's estate.

(8) Upon termination of the Police Officer portion of the Plan, the Chapter 185 money is no longer payable to the Plan . Therefore, there will be no additional deposits to the Share Accounts.

H. Chapter 185 Share Account per Mutual Consent Agreement of 2017.

(1) A separate individual member account shall be established and maintained in each actively employed Police Officer Member's name effective June 29, 2014.

(2) The Share accounts shall be credited annually with an equal pro rata share of the Chapter 185 Moneys as follows:

a Effective for the fiscal year ended September 30, 2015, the Village shall use $45,098.00 of the Chapter 185 monies to offset its contribution to the Plan. Any Chapter 185 money received

in the fiscal year ended September 30, 2015, in excess of $45,098.00 shall be split evenly between the Village and the active Members who were employed on June 29, 2014. The Members shares will be divided on a pro-rata basis and deposited to the Share Accounts. The Village's portion shall be used to offset the Village's Contribution to the Plan.

b. Effective with the Chapter 185 money received in calendar year 2016 and each calendar year thereafter, the first $28,913.23 will be used to offset the Village's contribution. Any Chapter 185 money received in excess of $28,913.23 shall be split evenly between the Village and the active Members who were employed on October 1 of each year. The Members shares will be divided on a pro-rata basis and deposited to the Share Accounts. The Village's portion shall be used to offset the Village's Contribution to the Plan.

(3) The dollars will be divided evenly among the active Police Officer Members described in Section 8 H and credited to the Share Accounts. The Share Accounts provided for in Section 8 G for the Police Officer Members who were active on June 29, 2014, will be combined with the Share Accounts in this Section 8 H for reporting and recordkeeping purposes so that no Member will have more than one Share Account.

(4) During the time that an active Member's Share Account assets are in the Plan, the assets will be credited with investment earnings (or losses) in the same percentage as are earned (or lost) by the total investment earnings (or losses) of the Plan as a whole, unless the Board dedicates a separate investment portfolio for chapter 185, Florida Statutes, share accounts, in which case the investment earnings (or losses) shall be measured by the investment earnings (or losses) of the separate investment portfolio.

(5) Eligibility for benefits. Any Police Officer Member who terminates employment with the Village and is eligible to receive a pension shall be entitled to 100 percent of the value of his or her individual member account. Police Officer Members who terminate employment and take a refund of contributions in lieu of any benefits are not eligible for a Share Account benefit. The Chapter 185 money allocated to their share account shall be forfeited and redistributed among the then active Police Officer Members.

(6) Payment of benefits. Members shall be required to take distribution from the Share Account upon retirement. The benefit shall be payable in a lump sum payment of the entire balance of the Police Officer

Member's account upon the written election of the member on a form provided by the Board. The Share account benefits may be rolled over in accordance with Section 23.

(7) Death of Police Officer Member with a Share account still in the Plan. If a Police Officer Member dies and is eligible for a share account, the entire balance of the Police Officer member account shall be converted to the name of the designated beneficiary and the entire balance shall be paid out in a lump sum to the beneficiary. If there is no beneficiary or if the beneficiary predeceases the Police Officer Member, the entire balance shall be paid to the Police Officer Member's estate.

Section 10. Pre-retirement Death.

Should any Member die before being eligible to retire under the provisions hereof, the heirs, legatees, beneficiaries, or personal representative of such Member shall be entitled to a refund of one hundred percent (100%), without interest, of the contributions made to the Plan by such Member or, in the event an annuity or life insurance contract has been purchased by the Board on such Member, then to the death benefit available under such life insurance or annuity contract. If any Member having at least ten (10) years of credited service dies prior to retirement his or her beneficiary is entitled to the immediate payment of the benefits which would have been paid to the member had he or she reached early or normal retirement age. In the case of a benefit based on the early retirement age, the early retirement penalty shall be applied, not to exceed fifteen percent (15%). The benefits under this section shall be based on the presumption that the Member selected a one hundred percent (100%) joint and survivor annuity on the day prior to death.

Section 11. Disability.

A. Disability Benefits - Line of Duty - Forty-two Percent (42%)

Each Member who becomes totally and permanently disabled while an active police officer employee of the Village of Palm Springs, and to the extent that he or she is unable, by reason of a medically determinable impairment to render useful and efficient service as a police officer employee, and which disability was directly caused by the performance of his or her duty as a police officer employee, shall, upon establishing the same to the satisfaction of the Board, be entitled to a monthly pension equal to forty-two percent (42%) of his or her salary at the time he or she became disabled or the accrued benefit of the Member, whichever is greater. Any condition or impairment of health of a police officer employee caused by tuberculosis, hypertension, heart disease or hardening of the arteries shall be presumed to have been suffered in the "line of duty" unless the contrary is shown by competent substantial evidence.

B. Non-Duty Disability Benefits - Thirty Percent (30%).

Every Member who is a participant in the System with ten (10) or more years of credited service, and who shall have become totally and permanently disabled to the extent that he or she is unable, by reason of a medically determinable impairment, to render useful and efficient service as a police officer employee, wherein such disability is not directly caused by the performance of his or her duties as a police officer employee shall be entitled to a monthly pension equal to thirty percent (30%) of his or her salary at the time he or she became disabled or the Member's accrued benefit, whichever is greater.

C. Conditions Disqualifying Disability Benefits.

Each Member claiming disability benefits shall establish, by competent substantial evidence, to the satisfaction of the Board, that such disability was not occasioned primarily by:

(1) Excessive or habitual use of any drugs, intoxicants, or alcohol.

(2) Injury or disease sustained while willfully and illegally participating in fights, riots or civil insurrections.

(3) Injury or disease sustained while committing a crime.

(4) Injury or disease sustained while serving in the Armed Forces of the United States. This exclusion does not affect members who have become disabled as a result of intervening military service under the federal Heroes Earnings Assistance and Relief Tax Act of 2008 (H.R. 6081; P.L. 110-245).

(5) Injury or disease sustained after his or her employment as a police officer employee with the Village of Palm Springs shall have terminated.

(6) Injury or disease sustained while working for anyone other than the Village of Palm Springs and arising out of such employment.

D. Physical Examination Requirements.

A Member shall not become eligible for disability benefits until and unless he or she undergoes a physical examination by a qualified physician or physicians and/or surgeon or surgeons, who shall be selected by the Board for that purpose.

Any Member receiving disability benefits under provisions of this Ordinance may be periodically re-examined by a qualified physician or physicians and/or

surgeon or surgeons who shall be selected by the Board, to determine if such disability has ceased to exist. If, following disability retirement, and prior to the Member's normal retirement date, the Board finds that the disability retiree is no longer permanently and totally disabled to the extent that he or she is unable to render useful and efficient service as a police officer employee, the Board shall recommend to the Village that the retiree be returned to performance of duty as a police officer employee, and the retiree so returned shall enjoy the same rights that he or she had at the time he or she was placed upon pension. In the event a retiree so ordered to return shall refuse to comply with the order within thirty (30) days from the issuance thereof, the Member shall forfeit the right to his or her pension.

If the disability retiree recovers from disability and reenters the service of the Village as a police officer employee, the period beginning with the first month for which he or she received a disability retirement income payment and ending with the date he or she reentered the service of the Village will not be considered as credited service for the purposes of the Plan.

The cost of the physical examination and/or re-examination of the Member or disability retiree claiming and/or receiving disability benefits shall be borne by the Board. All other reasonable costs as determined by the Board incident to the physical examination, such as, but not limited to transportation, meals and hotel accommodations, shall also be borne by the Board.

The Board shall have the power and authority to make the final decisions regarding all disability claims.

E. Disability Payments.

The monthly benefit to which a Member is entitled in the event of his or her disability retirement shall be payable on the first day of the first month after the Board determines such entitlement. However, the monthly retirement income shall be payable as of the date the Board determined such entitlement, and any portion due for a partial month shall be paid together with the first payment.

The last payment shall be:

(1) If the disability retiree recovers from the disability the payment due next preceding the date of such recover, or

(2) If the disability retiree dies without recovering from his or her disability the payment due next preceding his or her death or the one hundred twentieth (120th) monthly payment, whichever is later. In lieu of the

benefit payment as provided in this paragraph, the employee may select an optional form as provided in Florida Statutes, 185.161.

Section 12. Deferred Retirement Option Plan.

A. A deferred retirement option plan ("DROP") is hereby established for eligible members.

B. Eligibility and participation:

(1) A member who reaches normal retirement age shall be eligible to participate in the DROP.

(2) A member's election to participate in the DROP shall be irrevocable.

(3) An eligible member may participate in the DROP for a maximum of sixty (60) months from the date he or she enters the DROP.

C. DROP plan features:

(1) An eligible member who elects to participate in the DROP will be considered to have retired for purposes of the pension plan. The member's monthly retirement benefit, determined in accordance with the plan based on years of creditable service and average final compensation at the time the member enters the DROP, will be paid into his or her other DROP account every month during the DROP period. No member contributions shall be required after a member enters the DROP, and the member will not accrue any additional creditable service or any additional benefits under the pension plan after entering the DROP.

(2) A member who elects to participate in the DROP shall not be eligible for disability or pre-retirement death benefits under the pension plan. In addition, members who elect to participate in the DROP shall not receive supplemental retirement benefits until after the DROP period.

(3) As a condition of participating in the DROP, the member must agree to terminate village employment at the conclusion of the DROP period and to submit and irrevocable letter of resignation stating this prior to entering the DROP.

(4) Participation in the DROP is not a guarantee of employment, and DROP participants will be subject to the same employment standards

and policies that are applicable to employees who are not DROP participants.

(5) During a member's participation in the DROP, the member's monthly retirement benefit will be paid into the DROP account, which shall be invested by the Board, at commercially reasonable interest rates, and such interest, if any, shall be added to the member's DROP benefit.

(6) Within thirty (30) days following a DROP participant's termination of Village employment or death, the member's entire DROP account balance shall be distributed to the member (or in the event of the member's death, to the member's designated beneficiary or estate in accordance with paragraph (2)g. below) in a cash lump sum, unless the member elects to have all or any portion of an eligible rollover distribution paid directly to an eligible retirement plan specified by the member in a direct rollover. Any such direct rollover will be accomplished in accordance with the provisions of this plan.

(7) If a DROP participant dies before his or her DROP account is distributed, the participant's designated beneficiary shall have the same rights as the participant with respect to the distribution of the DROP account. If the member has not designated a beneficiary, the DROP account balance shall be paid to the member's estate.

(8) During a member's participation in the DROP, the member's monthly retirement benefit will be paid into the DROP account which shall be invested by the Board within the regular pension funds. The member shall earn interest on the DROP account at the Five Year (Constant Maturity) U.S. Treasury Note Rate (but not to exceed the actuarial assumed rate of return) which shall be added to the member's DROP account at least quarterly regardless of the actual index rate. The interest rate for the DROP shall never be less than zero percent (0%). The plan shall prepare statements at least quarterly for those employees in the DROP. Copies of the statements shall be furnished to the DROP participants, the Trustees, the Plan monitor, the pension board attorney, and the Village Finance Director not later than forty-five (45) days following the quarter ending date. The Treasury Note rates shall be extracted and recorded from an industry reliable data source, such as:
(http://www.federalreserve.gove/releases/h15/data/m/tcm5y.txt) for use in preparing statements for those employees in the DROP. Earnings shall be prorated based upon a member's actual withdrawal date, utilizing the rate prior to withdrawal.

(9) The pension Board shall adopt any additional and necessary rules for administering the DROP.

Section 13. Vesting.

If a Member terminates his or her employment with the Village, either voluntarily or by dismissal or discharge, and is not eligible for any other benefits under this System, he or she shall be entitled to the following:

A. If the Member has at least five (5) years, but not more than ten (10) years of credited service upon termination, the Member shall be entitled to a monthly retirement benefit that is the actuarial equivalent of the amount of such retirement income otherwise payable to him or her commencing at his or her otherwise early or normal retirement date and provided he or she survives to his or her early or normal retirement date. The Member shall have a vested percentage in the Village's contributions to the Plan on the Member's behalf on the date he or she terminates according to the following schedule:

Years of Credited Service	Vested Percentage
Less than 5	0%
5 but less than 6	50%
6 but less than 7	60%
7 but less than 8	70%
8 but less than 9	80%
9 but less than 10	90%
10 or more	100%

B. Any Member whose position as a hazardous duty employee is terminated, for whatever reason, but who remains employed by the Village in some other capacity, shall have all retirement benefits accrued up to the date of such termination under this System preserved according to the foregoing vesting percentages. Such accrued retirement benefits shall be payable at the member's otherwise normal retirement date hereunder, or later, in accordance with the provisions of the System. Notwithstanding the above, any vested accrued benefit due a Member who terminates employment with less than ten (10) years of credited service will commence at the later of age fifty-five (55) or the first of the month coincident with or next following the date the Member would have completed ten (10) years of credited service had he continued employment until such date.

C. Notwithstanding the foregoing provisions of this section, if the amount of base retirement benefit payable to the Member or his beneficiary is less than one hundred dollars ($100.00) per month, a lump sum payment of the Member's entire non-forfeitable benefit may be made in lieu of benefit payments,

provided that if the present value of such benefit is in excess of one thousand dollars ($1,000.00) a lump sum payment may be made only with the consent or acceptance of the payee. The amount of any such lump sum payment shall be actuarially determined.

D. A non-vested police officer employee may voluntarily leave his or her contribution in the Plan for a period of five (5) years after leaving the employ of the Village pending the possibility of being rehired, without losing credit for the time of active participation as a police officer employee. Should he or she not be re-employed as a police officer employee, with the same department, within five (5) years, his or her contributions shall be returned to him or her without interest. If a hazardous duty employee leaves the employ of the Village and elects to withdraw accumulated contributions, he or she may receive credit for previous time of active participation as a hazardous duty employee if he or she is re-employed by the Village, but only upon contributing into the Plan within ninety (90) days of reemployment, the amount he or she has withdrawn, plus interest determined by the Board, provided the member has not already purchased time in another retirement plan.

Section 14. Separation from Service.

If a member leaves the service of the municipality before accumulating aggregate time of ten (10) years toward retirement and before being eligible to retire under the provisions of this plan, the member shall be entitled to the refund of all his or her contributions made to the Plan after July 1, 1963, without interest, less any disability benefits paid to him or her after July 1, 1963.

If a member who has been in the service of the municipality for at least ten (10) years elects to leave his or her accrued contributions, if contributions are required, in the members' Plan , such member upon attaining the age of fifty (50) years may retire at the actuarial equivalent of the amount of such retirement income otherwise payable to him or her, as provided in section 9C, or upon attaining age fifty-five (55) years may retire as provided in section 9A.

Section 15. Optional Forms of Benefits.

A. In lieu of the amount and form of retirement income payable in the event of normal or early retirement as specified herein, a Member, upon written request to the Board of Trustees and subject to the approval of the Board of Trustees, may elect to receive a retirement income or benefit of equivalent actuarial value payable in accordance with one of the following options:

(1) A retirement income of larger monthly amount, payable to the retiree for his or her lifetime only.

(2) A retirement income of a modified monthly amount, payable to the retiree during the joint lifetime of the retiree and a joint pensioner designated by the retiree, and following the death of either of them, 100 percent (100%), 75 percent (75%), 66-2/3 percent (66.66%), or 50 percent (50%) of such monthly amounts payable to the survivor for the lifetime of the survivor.

(3) Such other amount and form of retirement payments or benefits as, in the opinion of the Board of Trustees, will best meet the circumstances of the retiring Member.

B. The Member, upon electing any option of this section, will designate the joint pensioner or beneficiary (or beneficiaries) to receive the benefit, if any, payable under the Plan in the event of his or her death, and will have the power to change such designation from time to time, but any such change shall be deemed a new election and will be subject to approval by the Board of Trustees. Such designation will name a joint pensioner or one or more primary beneficiaries where applicable. If a Member has elected an option with a joint pensioner or beneficiary and his or her retirement income benefits have commenced, he or she may thereafter change his or her designated joint pensioner or beneficiary, up to two times as provided in s. 185.161(1)(c) without the approval of the board of trustees or the current joint annuitant or beneficiary. The retiree is not required to provide proof of the good health of the joint annuitant or beneficiary being removed, and the joint annuitant or beneficiary being removed need not be living. Any retired member who desires to change his or her joint annuitant or beneficiary shall file with the board of trustees a notarized notice of such change. Upon receipt of a completed change of joint annuitant form or such other notice, the board of trustees shall adjust the member's monthly benefit by the application of actuarial tables and calculations developed to ensure that the benefit paid is the actuarial equivalent of the present value of the member's current benefit and there is no impact to the Plan.

C. The consent of a joint pensioner or beneficiary to any such change shall not be required.

D. For any additional changes to joint pensioners or beneficiaries, the Board of Trustees may request such evidence of the good health of the joint pensioner that is being removed as it may require and the amount of the retirement income payable to the police officer employee upon designation of a new joint pensioner shall be actuarially redetermined taking into account the age and gender of the former joint pensioner, the new joint pensioner, and the police officer employee. Each such designation will be made in writing on a form prepared by the Board of Trustees and on completion will be filed with the Board of Trustees. In the event that no designated beneficiary survives the

police officer employee, such benefits as are payable in the event of the death of the police officer employee subsequent to his or her retirement shall be paid as provided in Section 14, “Beneficiaries”.

E. Retirement income payments shall be made under the option elected in accordance with the provisions of this section and shall be subject to the following limitations:

(1) If a Member dies prior to his or her normal retirement date or early retirement date, whichever first occurs, no retirement benefit will be payable under the option to any person, but the benefits, if any, will be determined under Section 10, “Pre-Retirement Death”.

(2) If the designated beneficiary (or beneficiaries) or joint pensioner dies before the Member’s retirement under the Plan, the option elected will be canceled automatically, and a retirement income of the normal form and amount will be payable to the Member upon his or her retirement, as if the election had not been made, unless a new election is made in accordance with the provisions of this section or a new beneficiary is designated by the Member prior to his or her retirement and within ninety (90) days after the death of the beneficiary.

(3) If both a retiree and the beneficiary (or beneficiaries) designated by him or her die before the full payment has been affected under any option providing for payments for a period certain and life thereafter, made pursuant to the provisions of subsection A, the Board of Trustees may, in its discretion, direct that the commuted value of the remaining payments be paid in a lump sum and in accordance with Section 14, “Beneficiaries”.

(4) If a Member continues employment beyond his or her normal retirement date pursuant to the provisions of Section 9, subsection A, and dies prior to his or her actual retirement and while an option made pursuant to the provisions of this section is in effect, monthly retirement income payments will be made, or a retirement benefit will be paid, under the option to a beneficiary (or beneficiaries) designated by the Member in the amount or amounts computed as if the Member had retired under the option on the date on which his or her death occurred.

F. Except as otherwise provided herein, a Member may not make any change in his or her retirement option after the date of cashing or depositing his or her first retirement check.

Section 16. Beneficiaries.

A. Each Member may, on a form provided for that purpose, signed and filed with the Board of Trustees, designate a choice of one or more persons, named subsequently or jointly, as his or her beneficiary (or beneficiaries) to receive the benefit, if any, which may be payable in the event of his or her death; and each designation may be revoked by such Member by signing and filing with the Board of Trustees a new designation-of-beneficiary form.

B. If no beneficiary is named in the manner provided in Subsection A, or if no beneficiary of the Member survives him or her, the death benefit, if any, which may be payable under the Plan with respect to such deceased Member shall be paid by the Board of Trustees, to the estate of such deceased Member, provided that the Board of Trustees, in its discretion, may direct that the commuted value of the remaining monthly income payments be paid in a lump sum. Any payment made to any person pursuant to this subsection shall operate as a complete discharge of all obligations under the plan with regard to the deceased member and any other person with rights under the plan and shall not be subject to review by anyone but shall be final, binding, and conclusive on all persons ever interested hereunder.

C. Notwithstanding any other provision of law to the contrary, the surviving spouse of any pension participant member killed in the line of duty shall not lose survivor retirement benefits if the spouse remarries. The surviving spouse of such deceased member whose benefit terminated because of remarriage shall have the benefit reinstated as of July 1, 1994, at an amount that would have been payable had such benefit not been terminated.

Section 17. Hearing Procedures.

A. The Board shall adopt procedures for the conduct of all administrative and quasi-judicial hearings and proceedings before the Board, which shall assure procedural and substantive due process is accorded. The Board shall require competent substantial evidence for its decisions, and parties appearing before the Board shall have the right to cross examine all such evidence and testimony. The procedures adopted herein shall be reduced to writing and distributed to the Members at the time any application for a hearing before the Board is made. All quasi-judicial decisions of the Board shall be reviewable in the Circuit Court of Palm Beach County by petition for common law Writ of Certiorari.

B. In all evidentiary proceedings before the Board, the Board shall have the power to subpoena and compel the attendance of witnesses, and the production of documents or other evidence for discovery, prior to and at the proceedings provided for in this section. A reasonable fee may be charged for the issuance of any subpoenas not to exceed the fees permitted by law.

Section 18. Cost of Living Adjustment.

A. As of each Plan anniversary date following:

(1) The normal retirement date, or early retirement date of a participant who was an active member or a terminated member, immediately prior to becoming a retired member; or

(2) The death of an active member whose beneficiary is eligible for benefits under the Plan; the monthly benefit payable to the participant or beneficiary described above will be subject to the cost-of-living adjustments described in A below. This benefit is also payable to the Firefighter members when they become retirees.

B. Cost-of-living adjustments will be based on the Consumer Price Index (Urban Wage Earners and Clerical Workers), published monthly by the Bureau of Labor Statistics. The adjustment for each Plan Year will be determined by dividing the Consumer Price Index for June by the Consumer Price Index for the preceding June, or if later, the fourth month preceding the member's early or normal retirement date, as appropriate. The monthly amount of benefit payable or credited during the current Plan Year will equal the monthly amount payable or credited during the preceding Plan Year adjusted by the percentage increase in the Consumer Price Index, to the nearest one-tenth of one percent (0.01%).

C. No annual percentage increase of a monthly amount of benefit will exceed three percent (3%).

Section 19. Effect of Social Security Benefits.

Notwithstanding any provision to the contrary, receipt of Social Security benefits by a Member shall not act to diminish any benefits arising under this Pension Plan.

Section 20. Disbursement Pursuant to Court Order.

So long as a Member has a Vested Benefit in the Pension Plan, and to the extent that such member is retired, the Board of Trustees shall honor any final order from a court of competent jurisdiction, specifically directing the Board of Trustees to make disbursements from the Plan to a Spouse, former Spouse, Child, or other person to persons entitled to such monies as alimony or support payments pursuant to Section 61.1301, Florida Statutes. Nothing herein shall be construed to permit any execution, or the attachment or any legal process whatsoever, or any assignment which is prohibited by Section 185.25, Florida Statutes. The Board of Trustees shall make all such disbursements in accordance with the mandates of such orders and in compliance with the time frames established by such orders. In the event the Board of Trustees finds the Member is not eligible for a Benefit, or

that a court order exceeds or various the Benefit to be provided to a Member, it may seek to avoid or challenge such order, within the time permitted by law.

Section 21. Termination

Upon termination of the plan by the Village for any reason, or because of a transfer, merger, or consolidation of governmental units, services, or functions as provided in chapter 121, or upon written notice to the board of trustees by the Village that contributions under the plan are being permanently discontinued, the rights of all employees to benefits accrued to the date of such termination or discontinuance and the amounts credited to the employees' accounts are nonforfeitable. The Plan assets shall be distributed in accordance with the following procedures:

(A) The board of trustees shall determine the date of distribution and the asset value required to fund all the nonforfeitable benefits, after taking into account the expenses of such distribution. The board shall inform the Village if additional assets are required, in which event the Village shall continue to financially support the plan until all nonforfeitable benefits have been funded.

(B) The board of trustees shall determine the method of distribution of the asset value, whether distribution shall be by payment in cash, by the maintenance of another or substituted trust Plan , by the purchase of insured annuities, or otherwise, for each police officer and firefighter entitled to benefits under the plan, as specified in subsection (C).

(C) The board of trustees shall distribute the asset value as of the date of termination in the manner set forth in this subsection, on the basis that the amount required to provide any given retirement income is the actuarially computed single-sum value of such retirement income, except that if the method of distribution determined under subsection (B) involves the purchase of an insured annuity, the amount required to provide the given retirement income is the single premium payable for such annuity. The actuarial single-sum value may not be less than the employee's accumulated contributions to the plan, with interest if provided by the plan, less the value of any plan benefits previously paid to the employee.

(D) If there is asset value remaining after the full distribution specified in subsection (C), and after payment of any expenses incurred with such distribution, such excess shall be returned to the Village, less return to the state of the state's contributions, provided that, if the excess is less than the total contributions made by the Village and the state to date of termination of the plan, such excess shall be divided proportionately to the total contributions made by the Village and the state.

(E) The board of trustees shall distribute, in accordance with the manner of distribution determined under subsection (B), the amounts determined under subsection (C).

Section 22. IRS Qualification.

(A) This Plan is intended to be a tax qualified plan under **the provisions of the Internal Revenue Code and the corresponding Treasury Regulations applicable to a governmental defined benefit retirement plan.** ~~code Section 401(a) and meet the requirements of a governmental plan as defined by Code Section 414(d).~~

(B) In recognition of the changing requirements of plan qualification, the Board shall adopt an administrative policy setting forth the nondiscretionary and required provisions for tax qualification, which shall become final only after approval by the Village Council. The administrative policy may be temporarily amended by the Pension Board to reflect nondiscretionary changes to the IRS regulations to maintain the Plan's tax qualification compliance until presented to the Village Council at the next available Council meeting for consideration.

Section 23. Rollover Distributions.

A. Direct transfers of eligible rollover distributions.

1. General. This subsection applies to distributions made on or after January 1, 1993. Notwithstanding any provision of the Plan to the contrary that would otherwise limit a distributee's election under this subsection, a distributee may elect, at the time and in the manner prescribed by the board of trustees, to have any portion of an eligible rollover distribution paid directly to an eligible retirement plan specified by the distributee in a direct rollover.

2. Definitions

a. Eligible rollover distribution: An eligible rollover distribution is any distribution of all or any portion of the balance to the credit of the distributee, except that an eligible rollover does not include any distribution that is one of a series of substantially equal periodic payments (not less frequently than annually) made for the life (or life expectancy) of the distributee or the joint lives (or joint life expectancies) of the distributee and the distributee's designated beneficiary, or for a specified period of ten years or more; any distribution to the extent such distribution is required under section 401(a)(9) of the Code; excluding

hardship distributions. For purposes of a direct rollover, a portion of a distribution shall not fail to be an eligible rollover distribution merely because the portion consists of after-tax employee contributions which are not includible in gross income. However, such portion may be paid only to an individual retirement account or annuity described in Code Section 408(a) or (b) of the Code, or to a qualified defined contribution plan described in 401(a) or 403(a) of the Code that agrees to separately account for amounts so transferred, including separately accounting for the portion of such distribution which is includible in gross income and the portion of such distribution which is not so includible.

b. Eligible retirement plan: An eligible retirement plan is an individual retirement account described in section 408(a) of the Code, an individual retirement annuity described in section 408(b) of the Code, a qualified trust, an annuity plan described in section 403(a) of the Code, an eligible deferred compensation plan described §457(b) which is maintained by an eligible employer described in §457(e)(1)(A) of the Code or an annuity contract described in 403(b) of the Code, that accepts the distributee's eligible rollover distribution and agrees to separately account for amounts contributed into such plan from this plan.

c. Distributee: A distributee includes an employee or former employee. In addition, the employee's or former employee's surviving spouse and the employee's or former employee's spouse or former spouse who is entitled to payment for alimony and child support under an income deduction order, are distributees with regard to the interest of the spouse of former spouse. Additionally, "Distributee" includes a non-spouse beneficiary whose rollover options are limited to an individual retirement annuity.

d. Direct rollover. A direct rollover is a payment by the plan to the eligible retirement plan specified by the distributee.

3. In the event of a mandatory distribution greater than $1,000 under this plan, if the participant does not elect to have such distribution paid directly to eligible retirement plan specified by the participant in a direct rollover or to receive such distribution directly, then the Board will pay the distribution in a direct rollover to an individual retirement plan designated by the Board. This section is effective for mandatory distributions after October 1, 2006.

Section 24. Required Distributions.

A. Effective for distribution after December 31, 1996, in accordance with IRC Section 401 (a)(9), all benefits under this plan will be distributed, beginning not later than the required beginning date set forth below, over a period not extending beyond the life expectancy of the member or the life expectancy of the member and a beneficiary.

B. Any and all benefit payments shall begin by the later of:

a. April 1 of the calendar year following the calendar of the member's retirement date; of

b. April 1 of the calendar year following the calendar year in which the member attains age ~~70 ½~~ **72, provided the member had not attained age 70 ½ by December 31, 2019.**

C. If an employee dies before his entire vested interest has been distributed to him, the remaining portion of such interest will be distributed at least as rapidly as provided for under this plan and will comply with the incidental death benefit under Code Section 401(a)(9)(G).

D. All distributions under this Plan will be made in accordance with this section, Code Section 401(a)(9) and the regulations thereunder, notwithstanding any provisions of this Plan to the contrary, effective beginning January 1, 2003.

Section 25. 401(a)(17) Limitation on Compensation.

For any person who first becomes a member in any plan year beginning on or after January 1, 1996, compensation for any plan year shall not include any amounts in excess of the internal Revenue Code § 401(a)(17) limitation (as amended by the Omnibus Budget Reconciliation Act of 1993), which limitation shall be adjusted as required by federal law for qualified government plans and shall be further adjusted for changes in the cost of living in the manner provided by Internal Revenue Code § 401(a)(17)(B). For any person who first become a member prior to the first plan year beginning on or after January 1, 1996, the limitation on compensation shall be not less than the maximum compensation amount that was allowed to be taken into account under the plan as in effect on July 1, 1993, which limitation shall be adjusted for changes in the cost of living since 1989 in the manner provided by Internal Revenue Code §401(a)(17)(1991).

Section 26. 415 Internal Revenue Code Limits.

A. Basic Limitations. Subject to the adjustments in paragraph C, the maximum amount of the actual annual retirement income paid in any year with respect to a Participant under this Plan attributable to employer provided benefits shall not exceed the dollar amount allowable for any calendar year pursuant to §415(b) of the Code, as adjusted in such calendar year for increases in the cost of living in accordance with Regulations issued by the Secretary of the Treasury under §415(d) of the Code. For purposes of applying the basic limitation, benefits payable in any form other than a straight life annuity with no ancillary benefits shall be adjusted, as provided by Treasury Regulations, so that such benefits are the Actuarial Equivalent of a straight life annuity. For purposes of this subsection, the following benefits shall not be taken into account:

(1) Any ancillary benefit which is not directly related to retirement income benefits;

(2) Any other benefit not required under §415(b)(2) of the Code and Treasury Regulations thereunder to be taken into account for purposes of the limitation of §415(b)(1) of the Code.

B. Participation in Other Defined Benefit Plans. The limitation of this subsection with respect to any Participant who at any time has been a Participant in any other defined benefit plan (as defined in §414(j) of the Code) maintained by the Village shall apply as if the total benefits payable under all defined benefit plans in which the Participant has been a Participant where payable from one Plan.

C. Adjustments in Limitations.

(1) In the event the Participant's retirement benefits become payable before age sixty-two (62), the maximum amount of annual retirement income limitation prescribed by this Article shall be reduced in accordance with Regulations issued by the Secretary of the Treasury pursuant to the provisions of §415(b) of the Code, so that such limitation (as reduced) equals an annual benefit (beginning when such retirement income begins) which is equivalent to the Code §415(b) maximum amount of annual retirement income beginning at age 62. This limitation shall not apply to qualified police or firefighters as that term is defined in Code Section 415(b)(2)(G).

(2) In the event the Participant's benefit is based on at least fifteen (15) years of Credited Service, the adjustments provided for in subparagraph (a) above shall not apply.

(3) The reductions provided for in subparagraph (a) above shall not be applicable to disability benefits or pre-retirement death benefits.

(4) In the event the Participant's retirement benefit becomes payable after age sixty-five (65), for purposes of determining whether this benefit meets the basic limitation set forth in paragraph A herein, such benefit shall be adjusted so that it is actuarially equivalent to the benefit beginning at age sixty-five (65). This adjustment shall be made using an assumed interest rate of five percent (5%) and shall be made in accordance with regulations promulgated by the Secretary of the Treasury or his delegate.

(5) Less than Ten (10) Years of Service. The maximum retirement benefits payable under this Article to any Participant who has completed less than ten (10) years of Credited Service with the City shall be the amount determined under paragraph A multiplied by a fraction, the numerator of which is the number of the Participant's years of Credited Service and the denominator of which is ten (10). The reduction provided for in this subparagraph shall not be applicable to disability benefits or pre-retirement death benefits.

(6) Ten Thousand Dollar $10,000 Limit. Notwithstanding the foregoing, the retirement benefit payable with respect to a Participant shall be deemed not to exceed the limitations in this subsection if the benefits payable, with respect to such Participant under this Plan and under all other qualified defined benefit pension plans to which the Village contributes, do not exceed ten thousand dollars ($10,000) for the applicable Plan year and for any prior Plan Year and Village has not at any time maintained a qualified defined contribution plan in which the Participant participated.

(7) Reduction of benefits. Reduction of benefits and/or contributions to all plans, where required, shall be accomplished by first reducing the Participant's benefit under any defined benefit plans in which Participant participated, such reduction to be made first with respect to the plan in which Participant most recently accrued benefits and thereafter in such priority as shall be determined by the Board and the plan administrator of such other plans, and next, by reducing or allocating excess forfeitures for defined contribution plans in which the Participant participated, such reduction to be made first with respect to the plan in which Participant most recently accrued benefits and

thereafter in such priority as shall be established by the Board and the plan administrator for such other plans provided, however, that necessary reductions may be made in different manner and priority pursuant to the agreement of the Board and the plan administrator of all other plans covering such Participant.

(8) Cost-of-Living Adjustments. The limitations as stated herein shall be adjusted annually in accordance with any cost-of-living adjustments prescribed by the Secretary of the Treasury pursuant to §415(d) of the Code.

(9) For distributions after December 31, 2002, for purposes of Code Section 415(b), the mortality table is the table used under Code Section 417(e) as prescribed by the Secretary of the Treasury in Rev. Ruling 2001-62 .

D. This section shall be effective for distributions after December 31, 2001.

Section 27. Severability.

If any word, phrase, clause, sentence, paragraph, section, or part thereof contained in this Ordinance is declared to be unconstitutional, unenforceable, void, or inoperative by a court of competent jurisdiction, such declaration shall not affect the validity of the remainder of this Ordinance.

Section 28. Effective Date.

Except as provided otherwise in the Ordinance, this Ordinance shall become effective immediately upon adoption.

Council Member_____offered the foregoing Ordinance and moved its adoption. The motion was seconded by Council Member _____and upon being put to a vote, the vote was as follows:

	Aye	Nay	Absent
BEV SMITH, MAYOR	□	□	□
GARY READY, VICE MAYOR	□	□	□
DOUG GUNTHER, MAYOR PRO TEM	□	□	□
JONI BRINKMAN, COUNCIL MEMBER	□	□	□
PATTI WALLER, COUNCIL MEMBER	□	□	□

The Mayor thereupon declared the Ordinance duly passed and adopted this____day of_____, 2021.

VILLAGE OF PALM SPRINGS, FLORIDA

By:_____
BEV SMITH, MAYOR

First Reading _____

Second Reading _____

ATTEST:

By:_____
KIMBERLY M. WYNN, VILLAGE CLERK

REVIEWED FOR FORM AND LEGAL SUFFICIENCY

By:_____
GLEN J. TORCIVIA, VILLAGE ATTORNEY

P: 954.527.1616 | F: 954.525.0083 | www.grsconsulting.com

November 4, 2020

Margaret M. Adcock, Esq.
Plan Administrator
Pension Resource Center, L.L.C.
4360 Northlake Boulevard
Suite 206
Palm Beach Gardens, Florida 33410

Re: Village of Palm Springs Police Officers Pension Plan
Proposed Ordinance

Dear Margie:

As requested by Bonni S. Jensen, Esq., we have performed an actuarial review of Proposed Ordinance No. 2020- (copy attached) provided to us November 3, 2020 for the Village of Palm Springs Police Officers Pension Plan.

Based upon our review, the proposed Ordinance:

1. Amends Section 22 IRC Qualification for the intent of the Plan to be a tax qualified plan under the provisions of the Internal Revenue Code and corresponding Treasury Regulations applicable to a governmental defined benefit retirement plan. The Board shall also adopt an administrative policy setting forth the required provisions for tax qualification.
2. Amends Section 24 Required Distributions to require benefit payments to begin April 1st of the calendar year following the calendar year the member attains age 72 provided that the member had not attained age 70 ½ by December 31, 2019 or, if later, the April 1st of the calendar year following the calendar year of the member's retirement date.
3. Repeals all Ordinances in conflict herewith
4. Provides for severability
5. Provides for codification
6. Provides for an effective date

In our opinion, based upon the actuarial assumptions and methods employed in the October 1, 2019 Actuarial Valuation, the proposed Ordinance is a *no cost* Ordinance under State minimum funding requirements.

Please forward a copy of the Ordinance upon passage at second reading to update our records.

We are available to respond to any questions concerning the above.

Sincerest regards,

Jennifer Borregard

Jennifer M. Borregard, E.A.
Consultant and Actuary

Enclosure

cc: Bonni S. Jensen, Esq.

Village of Palm Springs

Executive Brief

AGENDA DATE: October 14, 2021

DEPARTMENT: Planning, Zoning & Building

ITEM 10.1: Temporary Use Permit - On-Site Equipment Storage and Office Use - Primoris T&D Services, LLC - 1195 South Congress Avenue

SUMMARY:

Mr. Dan Bernard, the applicant/tenant, is requesting a Temporary Use Permit to enable his company, Primoris T&D Services, LLC, to utilize the premises located at 1195 South Congress Avenue (former Regency Party Rental facility) for storage and office use while the landlord is proceeding through the Village's site plan process and until building renovations are completed. Specifically, the applicant is requesting outdoor storage of equipment (20 bucket trucks, 10 pole setting line trucks, 10 material utility trailers, 5 air compressors, 2 pulling rope trailers, wood poles, concrete poles, cross arms, insulators, smart switches, capacitors banks, overhead transformers and, small hardware).

Note: The subject property has a Light Industrial Zoning district and Light Industrial future Land Use designation and it is improved with 28,000 square foot building. The previous tenant, Regency Party Rentals, vacated the building in 2016. Off-Lease Only had occupied approximately 5,000 square feet on the first floor for "call center" business office use but vacated the building and property in 2019.

The applicant is requesting that the Temporary Use Permit is for a 6-month period, which would permit him, as a tenant, to store equipment and materials outside the building while improvements are made for compliance with fire prevention and life safety regulations.

Note: Section 34-895 - Village Code - Temporary land uses in zoning districts. - provides that the Village Council may grant approval for temporary, principal uses of land that is not specifically allowed by the zoning district, such as storage. A temporary use permit may not exceed two (2) years and is not renewable.

During this temporary period, the applicant intends on finalizing a site plan approval process that considers the tenant use and required parking, and the completion of the interior remodeling work, dumpster enclosure and compatibility buffer with surrounding residential uses.

The subject property is proposed to be utilized as an office/warehouse for a FPL subcontractor and no significant change will be made to the site, but conditions not being met by code will be brought into compliance to the extent possible.

The proposed Temporary Use Permit agreement was prepared by the Applicant's Attorney, Anthony Whitley, and reviewed by the Planning, Zoning & Building Director, and the Village Attorney. As a result, staff recommends approval of the proposed six (6) months Temporary Use Permit to allow outdoor storage as a principal use.

FISCAL IMPACT:

The proposed request does not have a direct fiscal impact to the Village.

ATTACHMENTS:

Temporary Use Permit Agreement - 1195 South Congress Avenue
Proposed Site Plan and Description
Aerial and Location Maps
Section 34- 895. Temporary Land Uses in Zoning Districts

Temporary Use Permit Agreement

This Temporary Use Permit ("License") is made effective October___, 2021 by and between the VILLAGE OF PALM SPRINGS, FLORIDA, a municipal corporation, ("Village") with its principal address at 226 Cypress Lane, Palm Springs, FL 33461; and Primoris T&D Services, LLC, a Delaware Limited Liability Company, with its principal address at 115 West 7th St., Suite 1410, Fort Worth, TX 76102 (collectively "Licensee").

RECITALS

WHEREAS, Licensee leases the property located at 1195 S. Congress Avenue, Palm Springs, Florida ("Property") described in Exhibit "A" attached hereto and incorporated herein; and

WHEREAS, the Property is located within the incorporated limits of the Village of Palm Springs, Florida;and

WHEREAS, Licensee requests a temporary use permit to occupy the Property until a site plan approval has been received pursuant to the Light Industrial land use and zoning.

WHEREAS, the Property complete all required inspections prior to issuing its final certificate of occupancy; and

WHEREAS, Village Code Section 34-895 authorizes the Village Council, for good cause shown, to grant a temporary use permit for certain temporary uses, not to exceed two (2) years from the approval date; and

WHEREAS, the Village Council has determined that based upon the mutual promises and consideration as set forth herein, that a **temporary, six (6) month revocable license** for storage, office use and parking should be granted to the Licensee for the Property as more specifically provided herein; and

WHEREAS, Village Code Section 34-895 also requires Licensee to comply with specific statutory, building code and/or Village code requirements regardless of whether such requirements are specifically applicable to the proposed temporary use.

NOW, THEREFORE, in consideration of the mutual covenants contained herein, the sufficiency of which is hereby acknowledged, and intending to be legally bound hereby, the Parties agree as follows:

1. FINDINGS

1.1 The foregoing recitals are incorporated herein as true and correct findings of fact.

2. LICENSED PREMISES AND LAND USE

2.1 In accordance with the provisions of Village Code Section 34-895, the Village Council hereby grants Licensee a temporary use permit which authorizes Licensee to use the Property for storage, office use and parking as a principal use subject to the terms and conditions of the License. No other interest or right to use the Property is granted to Licensee under this Permit, nor shall the grant of this temporary license operate to vest any rights in the Licensee except as specifically described herein.

3. LICENSE TERM AND EFFECTIVE DATE

3.1 The term of this License is limited to six (6) months. The term shall commence on _____ ("Commencement Date") and shall terminate on _____. This License shall become effective upon approval by the Mayor. At the conclusion of the six (6) month term, the

permitted temporary use of the Property and this License shall terminate. Thereafter, use of the property shall be governed by a site plan, approved by the Village Council, pursuant to the Light Industrial zoning district and applicable land development regulations. Failure to terminate the temporary use shall be grounds for default and subject the Licensee and/or owner to appropriate legal action including mandatory injunctive relief and the reasonable costs incurred by the Village in enforcing this License including attorney's fees at all administrative, trial and appellate levels. Pursuant to Village Code Section 34-895, upon issuance of a court order from a court of competent jurisdiction awarding attorney's fees and/or costs, such costs shall become a lien on the property,
if unpaid after thirty (30) days following the entry of the order.

4. LICENSE CONDITIONS

4.1 Licensee shall adhere to the following conditions as a part of this Permit Agreement.

(1) The equipment cannot be energized. Dead storage only with no work taking place.

(2) Boom trucks shall be maintained with their bucket and arms down

(3) Existing entrance gate to the back of the property shall be replaced with a solid/opaque material to
screen the proposed outdoor storage area.

(4) Civil/utility plan review shall be completed with the Village.

(5) Open items with PBCWUD shall be satisfied, including but not limited to provide the record drawings for the fire hydrant and DCDA that were installed in 2019.

(6) The current owner should provide PBCWUD an easement over the fire hydrant and DCDA isolation valve. The account for the fire line (DCDA) must be activated.

(7) Sound emissions shall comply with Sec. 34-1382. If any noise issues arise once business operations commence, as determined by the Police Chief, the Applicant may be required to undertake additional sound attenuation/mitigation measures, which might include installing additional landscaping on the property.

(8) Business operations, including shipping and deliveries, shall not commence prior to 7am unless after hours emergency & storm response is required for FPL.

(9) All open permits for the work performed within the building shall be closed out with the Village PZB Department and PBC Fire Department.

(10) The occupancy of the building shall be approved by the Village Building Official and PBC Fire Marshall.

(11) The stair enclosure on the east side of the building must be modified. The stair enclosure requires a one-hour fire rating. A door must be added to the exterior wall at the ground level. The area outside this door must be modified to allow access to the public way. A walkway and gate must be added.

(12) A Knox box with key must be installed at the exterior door that opens into the existing stair that leads to the dead space on the 2nd floor.

(13) The stair enclosure on the west side of the building requires a one-hour fire rating. The existing walls must be repaired and a design professional will have to certify they are fire rated. Design professional shall identify on floor plans, showing lay-out and type of rated fire resistance construction on the existing stair enclosure walls and rated door assembly.

(14) The stair enclosure doors, hardware, and frame must have a 60-minute fire rating.

(15) A Knox key switch is required for fire department access through the sliding gates.

(16) Existing building is S-1 storage use. No flammable material or combustible liquids shall be stored in this building for a temporary use. The new tenant occupancy will still fall under S-1.

(17) All penetrations need to be sealed.

(18) Second floor door needs to be removed and weatherproof and sealed.

(19) Exit lights and emergency lights shall be identified as to their location on the floor plan lay-out with exit doors.

5. **INDEMNIFICATION**

5.1 To the fullest extent permitted by laws and regulations, but only to the extent of Licensee's negligence, Licensee shall indemnify, defend, save and hold harmless, Village, its officers, agents and employees from any and all claims, damages, losses, liabilities and expenses, for personal injury or property damage pertaining to or arising out of the licensing of the land use of the licensed Property, this License, the use and/or occupancy of the Property by Licensee or any of its subcontractors, agents, officers, employees, independent contractors, invitees or guests. Licensee shall pay all losses, claims, liens, settlements, or judgments of any nature whatsoever in connection with the foregoing indemnification, including but not limited to, reasonable attorneys' fees (including appellate attorneys' fees and costs). All costs and fees associated with any such defense shall be the responsibility of Licensee. Nothing contained herein is intended nor shall it be construed to waive the Village's rights and immunities under the common law or Florida Statute 768.28, as amended from time to time.

5.2 The Licensee's obligation to indemnify, defend, and pay for the defense, or at the Village's option, to participate and associate with the Village in the defense and trial of any claim and related settlement negotiations, shall be triggered by the Village's notice of claim for indemnification to Licensee. Licensee's inability to evaluate liability or its evaluation of liability, shall not excuse the Licensee's duty to defend and indemnify within 7 days after such notice is given by the Village. Only an adjudication or judgment after the highest appeal is exhausted, specifically

finding the Village solely or partially negligent, shall excuse performance of this provision by Licensee. Licensee shall pay all costs and fees related to this obligation and its enforcement by the Village. The Village's failure to notify the Licensee of a claim shall not release the Licensee of the above duty to defend and indemnify.

6. INTEGRATION

6.1 It is agreed and understood that this License contains all agreements, promises and understandings between the Village and Licensee and that no verbal or oral agreements, promises or understandings shall be binding upon either Village or Licensee in any dispute, controversy or proceeding at law, and any addition, variation or modification to this License shall be void and ineffective unless made in writing signed by the Parties. In the event any provision of this License is found to be invalid or unenforceable, such finding shall not affect the validity and enforceability of the remaining provisions of this License. The failure of a Party to insist upon strict performance of any of the terms or conditions of this License or to exercise any of its rights under this License shall not waive such rights and such Party shall have the right to enforce such rights at any time and take such action as may be lawful and authorized under this License, in law or in equity.

7. GOVERNING LAW

7.1 This License and the performance thereof shall be governed, interpreted, construed and regulated by the laws of the State of Florida and venue for any action arising out of this License shall be in Palm Beach County, Florida Further, if for any reason a claim, dispute or controversy is not resolved by the parties, the parties irrevocably and voluntarily agree to waive any right to a trial by jury in respect to any such claim, dispute or controversy.

8. ASSIGNMENT

8.1 This License is personal to Licensee and may not be sold, assigned or transferred by Licensee or any other person or entity.

9. NOTICES

9.1 All notices hereunder must be in writing and shall be deemed validly given if sent by certified mail, return receipt requested or by nationally recognized overnight mail courier, addressed as follows (or any other address that the party to be notified may have designated to the sender by like notice):

Village: The Village of Palm Springs, Florida
Attention: Village Manager
226 Cypress Lane

	Palm Springs, Florida 33461
With a mandatory copy to:	Village Attorney Glen Torcivia 701 Northpoint Parkway, Suite 209 West Palm Beach, Florida 33407
With a copy to:	1195 S. CONGRESS AVENUE, LLC 5900 N. Australian Avenue Suite 3 West Palm Beach, FL 33407
Licensee:	Primoris T&D Services, LLC Attention: Charles Besselman Director of Real Estate 18484 E. Petroleum Drive Baton Rouge, LA 70809
With a copy to:	Dan Bernard Manager West Palm Beach FL 189 Harwood Ave Satellite Beach, FL 32937

10. APPLICABLE LAWS

10.1 During the term of this License, the Licensee shall maintain the Property in compliance with this License, the Village Code, and all applicable governmental laws, rules, regulations, statutes, ordinances, resolutions, directives, covenants, easements, zoning and land use regulations, and restrictions of record, permits, building codes, and the requirements of any applicable fire insurance underwriter or rating bureau, now in effect or which may hereafter come into effect (including, without limitation, the Americans with Disabilities Act and laws regulating hazardous substances) (collectively "Laws"). Licensee shall, with respect to the condition of the Property and at the Licensee's sole cost and expense, comply with (a) all laws relating solely to Licensee's specific and unique nature of use of the Property; and (b) all building codes requiring modifications to the Property due to the use of the Property and any improvements to be made by the Licensee in and upon the Property.

11. SURVIVAL

11.1 The provisions of this License relating to indemnification shall survive and termination or expiration of this License. Additionally, any provisions of this License Agreement which require performance subsequent to the termination or expiration of this License shall also survive such termination or expiration.

12. CAPTIONS

12.1 The captions contained in this License are inserted for convenience only and are not intendedto be part of this License.

13. ATTORNEY'S FEES

13.1 It is the understanding of the parties that if legal action is required to enforce this License, the prevailing party will be entitled to reasonable attorney's fees and costs in addition to any other relief to which the prevailing party is awarded.

14. TERMINATION FOR DEFAULT

14.1 In the event that the Licensee is found to be in violation of any part of the Village Code or any other applicable Laws for the Property or any other property owned by the Licensee in the Village, in a code enforcement proceeding of a Special Magistrate for the Village, or in a stipulated agreement, or in a court of competent jurisdiction, the Village shall give thirty (30) calendar days' notice to the Licensee that the Licensee is in default. In the event the Licensee fails to correct the conditions of default, or the default is not remedied to the satisfaction of the Village within said thirty (30) calendar days, the Village shall have all legal remedies available to it, including, but not limited to, the termination of this License, in which case, the Village shall be entitled to recover its attorney's fees and costs, and any and all damages permitted by law arising from the default. A breach of this License by Licensee may be enforced in code enforcement proceedings brought by the Village and the Special Magistrate is hereby authorized to order the immediate cessation of the licensed use, and other code violations and to award the Village all legal and equitable relief to which the Magistrate shall determine is just and appropriate. Notwithstanding the foregoing, this License is a contract, which may also be enforced in a court of law. The Village has no liability for damages or anticipated profits for business losses or other damages caused by the termination of this License Agreement in the event of a default.

14.2 The parties hereto agree that the Village's right to terminate this License as stated herein is absolute and shall not result in any inequity to Licensee because of any authorized improvements by Licensee to the Facilities for the use licensed herein. Accordingly, this License shall not be construed as an irrevocable license or a license coupled with an interest because of said improvements.

14.3 The Licensee acknowledges that the Village and the public will be irreparably damaged if the terms and conditions of this License are not adhered to and specifically enforced. Therefore, in the event of a violation or threatened violation by the License, then the Village shall be entitled to all the rights and remedies, including but not limited to injunctive relief, restraining such violation without being required to show any actual damage, irreparable harm, or to post any bond or other security.

15. TIME

15.1 Time is expressly declared to be of the essence of this License Agreement.

16. RIGHTS OF OTHERS

16.1 Nothing contained herein, whether express or implied, is intended to confer any rights or remedies under or by reason of this License or any terms other than the parties hereto and their respective administrators and legal representatives, nor is anything in this License intended to relieve or discharge the obligation or liability of any third person to any party to this License nor shall any provision give any third persons any right of subrogation or action over or against any partyto this License

17. PREPARATION

17.1 This License shall not be construed more strongly against either party regardless of who wasmore responsible for its preparation.

18. COUNTERPARTS

18.1 This License may be executed in one or more counterparts, each of which shall be deemed anoriginal, but all of which together shall constitute one and the same instrument.

IN WITNESS WHEREOF, the parties have caused this License to be executed on the day and yearfirst above written.

THE VILLAGE OF PALM SPRINGS

BY: _____
Beverly Smith, Mayor

ATTEST:

By: _____
Kimberly M. Wynn, Village Clerk

APPROVED AS TO FORM AND LEGAL SUFFICIENCY:

_____
Glen Torcivia, Village Attorney

LICENSEE:

WITNESSES

PRIMORIS T&D SERVICES, LLC

By: _____ By: _____

Print: _____ By: _____

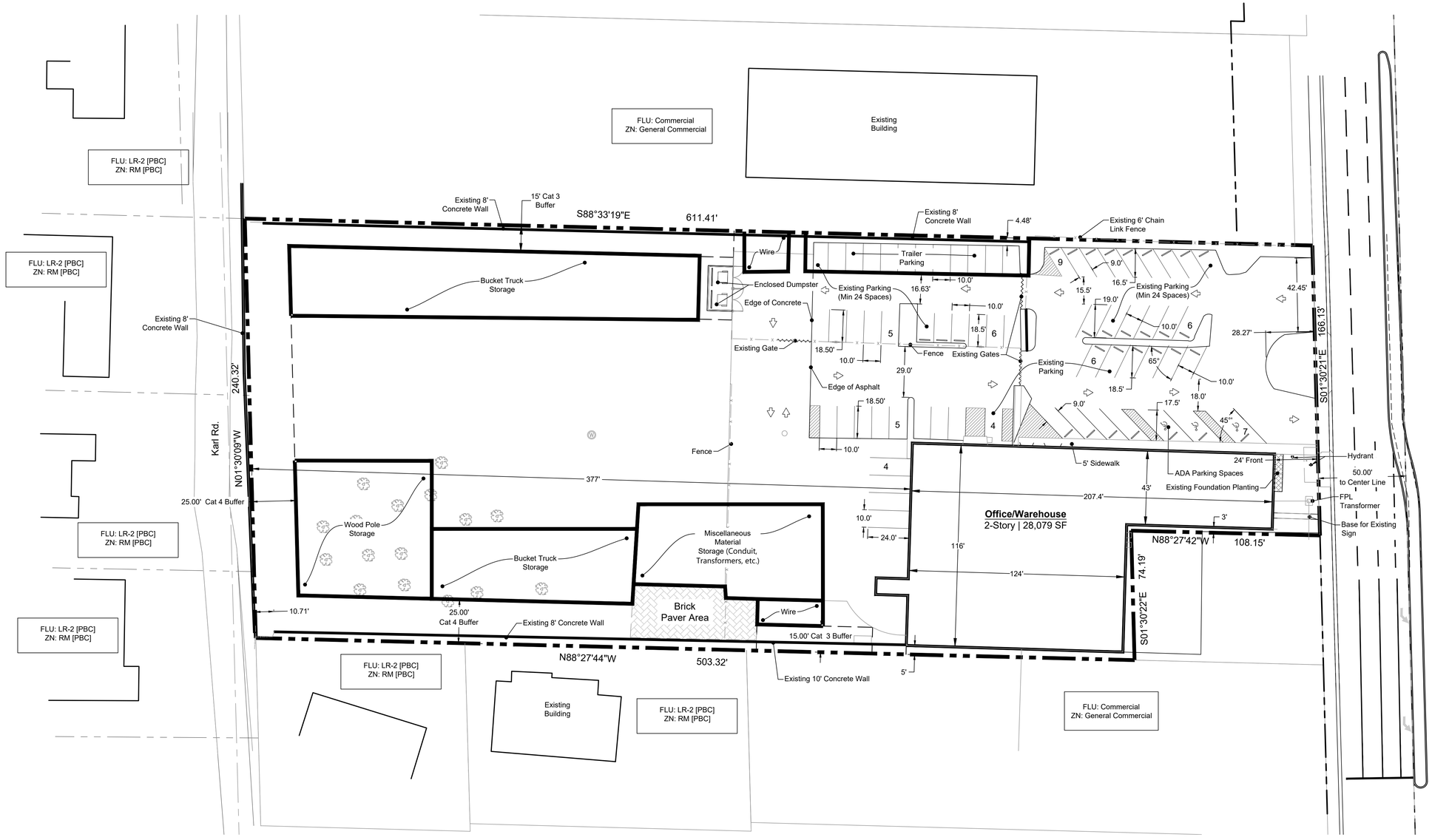
Title: _____

EXHIBIT "A"

Property Description

PCN: 70-4 44-07-12-000-0080

PALM ACRES TRACT 1 UNREC LT 8 (LESS E 1 7 FT CONGRESS AVE R/W) & LT 9 (LESS S 74.09 FT OF W 108 FT OF E 125 FT & E 17 FT CONGRESS AVE R/W) *A/KIA* 7-44-43, S 240 FTOF N 1120 FT OF E 1/2 OF NE 1/4 OF NE 1/4 (LESS S 74.09 FT OF W 108 FT OF E 158 FT & E 50 FT CONGRESS AVE R/W)



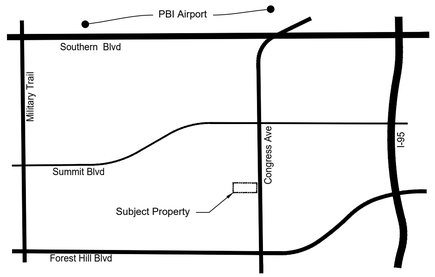
Outdoor Storage Exhibit

North

0 15 30 60

Scale: 1' = 30'

Location Map NTS



Morton
PLANNING | LANDSCAPE ARCHITECTURE
3910 RCA Blvd. Suite 1015 | Palm Beach Gardens, FL 33410

1195 S. Congress Ave

Prepared for MCN Property LLC.

Village of Palm Springs, Florida

REVISIONS

Resubmittal		7/22/2021

Exhibit

SCALE |	AS SHOWN
DRAWN |	CMH/SDP
CHECKED BY |	SDP
FILE |	203.01A 1195 S Congress Ave - Site Plan ReSub4
DATE |	2021-09-01

EX

Sheet: 1 of 1

Request to allow Equipment and Outdoor Storage as Principal Use:

- 6 Month Period
- Parking/ Storage of Equipment and Material
- Parking for 39 Overhead Line Units
- 32 Employee parking personnel vehicles
- Hours of Operation 7:0am - 5:00pm, 7 days a week.
- After Hour Storm Response for Florida Power and Light

Temporary Use Permit

Outdoor Vehicle and Equipment Storage

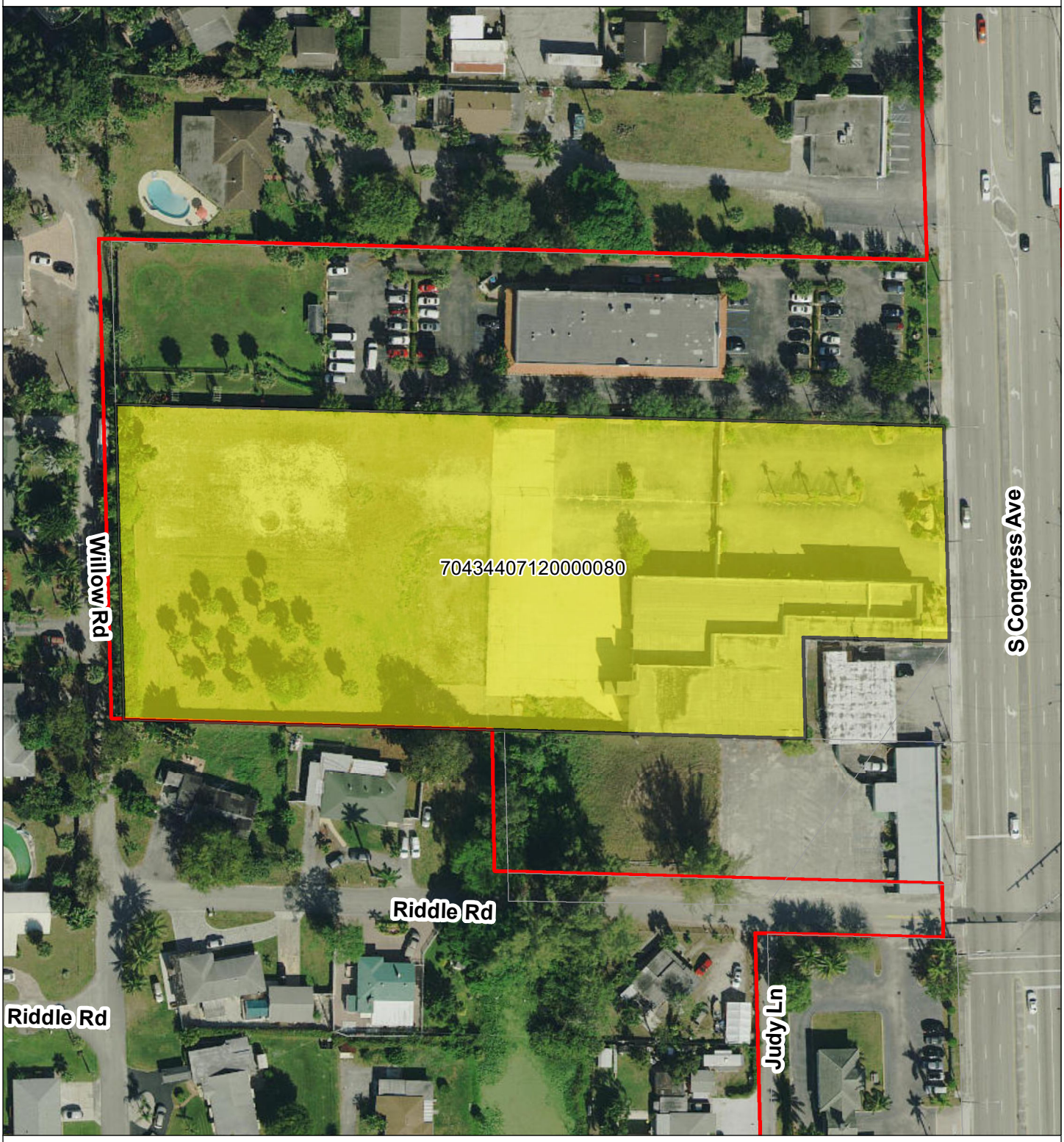
Primoris T & D Services

1195 South Congress Ave

S Congress Ave
Riddle Rd
Willow Rd
J Rd
70434407120000080

VILLAGE OF PALM SPRINGS

1195 South Congress Avenue



0 50 100 200 300 400 Feet

N
W E
S

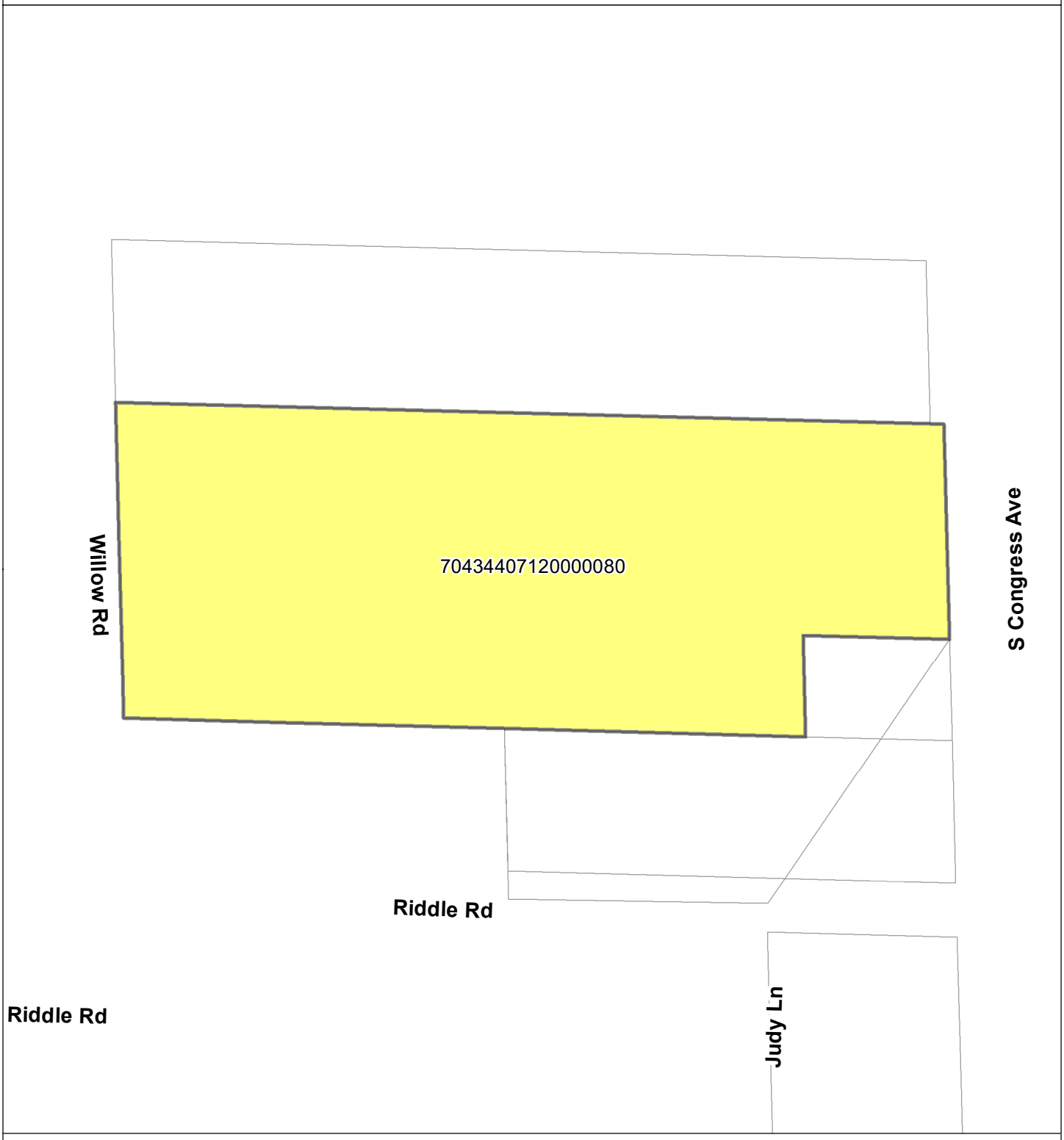
1195 South Congress Ave

Village Limits

Date: 6/20/2019

VILLAGE OF PALM SPRINGS

1195 South Congress Avenue



Date: 6/20/2019

Section 34-895. – Temporary land uses in zoning districts.

(a) *Applicability.* This section regulates principal activities and uses of real property that are not specifically allowed in a zoning district, but may be necessary or appropriate on a temporary basis.

(b) *Generally.* This section provides for the orderly and effective management of temporary land uses not specifically allowed in a zoning district. Temporary uses are often found to be necessary and desirable for limited periods of time although they might not be in keeping with the intent and purpose of the zoning district if allowed on a long-term basis. This section provides for thorough administrative review of these special types of temporary land uses. These provisions are designed to allow certain reasonable temporary uses while minimizing adverse impacts upon the public health, safety and welfare and other authorized uses within a zoning district. All temporary uses authorized under this section shall be the principal use of the real property and shall not be an accessory use. Temporary, accessory uses are governed by section 34-829. Temporary licensing of certain uses. Further, auctions and sales events governed by section 34-884. Temporary short-term sales, shall not be authorized as temporary uses under this section.

(c) *Permits.* Application for a temporary use permit shall be made to the land development director in accordance with the applications and procedures section set forth herein.

(d) *Temporary uses.* Subject to any conditions that may reasonably be imposed by the land development director and/or the village council, a temporary use permit may be issued for such temporary, principal uses as a construction staging area; temporary off-site modular unit for redevelopment; parking lots; and, other temporary, principal uses. The foregoing list is not an exhaustive list.

(e) *Application and procedures.*

(1) A property owner may submit an application to the land development director for a temporary use permit consistent with this section and pay the application fee as set forth by village resolution. The application fee for a temporary use permit shall be the same as the application fee for a temporary license granted under section 34-829. The application fee will be nonrefundable even if the application is denied. The application shall contain information describing the principal use for which a temporary use permit is being sought and the proposed length of such use. If the applicant is seeking any change to the physical layout or footprint of the site, a site plan or site plan amendment application shall be submitted with the application for temporary use permit. The land development director may request further information from the applicant as is necessary to fully understand the scope of the proposed temporary use and impacts to surrounding properties, facilities and infrastructure including, but not limited to, traffic flow and parking plans. Failure to provide such information may result in a denial of the application.

(2) Approval of a temporary use permit may be made contingent upon the property owner complying with specific statutory, building code and/or village code requirements regardless of whether such requirements are specifically applicable to the proposed temporary use. Further, approval of a temporary use permit may be made contingent upon the property owner providing a surety bond from a company with a Best's rating of AAA guaranteeing that the property will be restored to its original condition upon termination or expiration of the temporary use permit. The amount of the bond, if any, shall be determined by the land development director in his or

her sole discretion. Approval of a temporary use permit shall be contingent upon the property owner signing a written agreement with the land development director regarding the temporary use, restrictions on such use and other terms and conditions as the village may reasonably determine necessary for its protection. If a surety bond is required, the requirements for the bond shall be addressed in the written agreement. The land development director is authorized to set forth in the written agreement a specific effective date and expiration date for the temporary use which shall not exceed two years. Failure to sign the written agreement with the land development director will be grounds for denial of the application.

(3) The approval authority for a temporary use permit application is the land development director if the application seeks a temporary use of 60 days or less. If a temporary use permit application seeks a temporary use which will exceed 60 days, the approval authority is the village council, with due public notice prior to approval. Except for such shorter time limitations as may be specifically set by the land development director or village council, a temporary use permit authorized under this section shall not exceed a term of two years.

(4) If a temporary use permit expires and the term of the temporary use permit was for less than two years, the property owner may submit an application to have the term of the temporary use permit extended. The application for extension shall be the same as the initial application for a temporary use permit and the same application fee shall be paid to the village. The extension application shall be reviewed by the land development director consistent with the conditions and requirements as the initial petition and approved by the same approval authority which approved the initial temporary use permit. The total term of a temporary use permit (including any extension thereof) shall not exceed two years. An extension will not be granted if the village terminated the temporary use permit due to a violation of the temporary use permit condition(s), the written agreement or applicable law.

(f) *Temporary signs.* One or more temporary signs may be erected by a property owner who obtains a temporary use permit. Prior to erecting any such temporary sign(s), the property owner shall submit an application to the land development director for the temporary sign(s); pay the fee established by the village council; and, obtain a temporary sign permit from the land development director. The land development director may impose any and all reasonable conditions on such temporary signs including, but not limited to, requiring all such temporary signs to conform to all other sign requirements of this Code. Further, all such temporary signs must be installed at the real property designated in the temporary use permit and only advertise the permitted temporary use for said real property. The temporary sign or combination of temporary(s) shall be less than or equal to 32 square feet in total surface area. All temporary signs must be removed immediately upon the temporary use permit expiring or being terminated.

(g) *Termination and remedies.*

(1) All temporary use permits are revocable. The land development director and/or village council (as applicable) may immediately revoke a temporary use permit, and refuse to grant future applications for a temporary use permit for real property, if there is a violation of any temporary use permit condition(s), the written agreement or applicable law. If a temporary use permit is revoked or upon the expiration of a temporary use permit, all use(s) of the property authorized under the temporary use permit must immediately cease and all use(s) of the property must immediately conform to the village code which may include, but is not limited to, additional actions by the property owner to reinstate the appearance of the property in a specific manner.

(2) The land development director reserves the right to revoke temporary use permits under this subsection which he or she originally approved and may revoke temporary use permits approved by the village council if the revocation of the temporary use permit is necessary for the immediate protection of public health, safety, welfare or to prevent the damage to personal property including property of the village. Further, if it becomes necessary in order to protect the public health, safety, welfare or to prevent the damage to any personal property, the land development director may also cause any and all utility connections necessary for the temporary use to be immediately disconnected along with the revocation of the temporary use permit. As time allows, the land development director shall endeavor to notify the property owner prior to revoking any temporary use permit and disconnecting any utility connections under this section. The village council reserves the right to revoke all temporary use permits approved under this section.

(3) The village may pursue any and all legal remedies without limitation against any property owner and/or occupant who violates the conditions of a temporary use permit, the written agreement and/or the applicable law including, but not limited to, code enforcement proceedings, other administrative proceedings; and/or injunctive relief. All actions taken by the village to enforce the provisions of this section shall subject the property owner and/or occupant to the reasonable costs incurred by the village in enforcing this section including, but not limited to attorney's fees and costs at all administrative, quasi-judicial, trial and appellate levels. Upon the issuance of an order from any board, special magistrate or court of competent jurisdiction awarding attorney's fees and/or costs to the village, such attorney's fees and/or costs shall become a lien on the property, if unpaid after 30 days following the entry of the order.

(4) Any owner who is granted a temporary use permit understands and agrees that the village's right to revoke and/or terminate the owner's temporary use permit as stated herein is absolute and shall not result in any inequity to the owner because of any authorized improvement(s) made by the owner to the property or any other expense incurred or paid by the owner for the temporary use. Accordingly, the right granted by a temporary use permit shall not be construed as an irrevocable right or license or a right or license coupled with an interest because of said improvement(s) or expenses of the owner.

(h) *Prohibitions.* Nothing contained in this section shall permit or allow any adult entertainment or adult entertainment establishment to be authorized by temporary use permit.

(i) *Transferability.* A temporary use permit shall only be issued to the current property owner and such permit shall not be assigned, conveyed or transferred to any third party or person without the prior written approval of the land development director or village council (as applicable).

(j) *Appeal.* Any person or entity who applies for a temporary use permit and is denied by the land development director may appeal to the village council for a temporary use permit. Such appeal application shall be filed with the land development director within 30 days of the land development director's written denial. Any person or entity who applies for a temporary use permit and is denied by the village council may appeal the village council's decision to the circuit court. Such an appeal shall not be a hearing de novo but shall be limited to appellate review of the record created before the village council. An appeal shall be filed within 30 days of the village council's decision.

(k) *Exemptions.* Authorized, temporary uses of village owned property shall be exempt from the requirements of this section.

(Ord. No. 2011-21, § 2, 1-26-2012)