CITY OF FORT LAUDERDALE
City Commission Agenda Memo **#24-0668**
REGULAR MEETING

TO: Honorable Mayor & Members of the Fort Lauderdale City Commission

FROM: Susan Grant, Acting City Manager

DATE: October 1, 2024

TITLE: Resolution Approving a Twentieth Amendment to the Landscape Maintenance Memorandum of Agreement for State Road A1A with the Florida Department of Transportation for Landscape Improvements within the Right-of-Way of State Road A1A and Approving an Assumption of Liability and Hold Harmless Agreement with Publix Super Markets, Inc - **(Commission District 2)**

Recommendation
Staff recommends the City Commission adopt a resolution approving and authorizing the execution of a twentieth amendment to the Landscape Maintenance Memorandum of Agreement for State Road A1A (North Ocean Boulevard) with the Florida Department of Transportation for improvements within the right-of-way of State Road A1A between Mile Post 5.200 to Mile Post 5.233 and approve an Assumption of Liability and Hold Harmless Agreement with Publix Super Markets, Inc.

Background
The City of Fort Lauderdale (City) seeks to enter into a Landscape Maintenance Memorandum of Agreement (MMOA) with the Florida Department of Transportation (FDOT) for the purpose of the City maintaining the landscape improvements within the right-of-way on State Road A1A.

The MMOA includes provisions allowing the City to construct additional landscape improvements or to modify an improvement on State Road A1A in accordance with the plans attached as Exhibits "A" and "B" to the agreement.

The City will enter into this MMOA with FDOT as FDOT cannot directly enter into such a maintenance agreement with private property owners. If approved, the City will subsequently enter into an Assumption of Liability and Hold Harmless Agreement with the property owner.

The Assumption of Liability and Hold Harmless Agreement between the City and Publix Super Markets Inc will transfer responsibility associated with the MMOA to Publix Super

Markets Inc to construct and maintain the improvements installed by them in FDOT right of way in accordance with the agreement at no cost to the City.

Resource Impact

There is no fiscal impact associated with this action.

Strategic Connections

This item supports the *Press Play Fort Lauderdale 2029* Strategic Plan, specifically advancing:

- The Public Places Area, Goal: Build a beautiful and welcoming community

This item advances the *Fast Forward Fort Lauderdale 2035* Vision Plan: We Are Ready

Attachments

Exhibit 1 - Maintenance Memorandum of Agreement
Exhibit 2 - Assumption of Liability and Hold Harmless Agreement
Exhibit 3 - Location Map
Exhibit 4 - Resolution

Prepared by: Morgan Dunn, Program Manager, Transportation and Mobility

Acting Department Director: Milos Majstorovic, MSCE, PE, Transportation and Mobility

SCW **CR-3** 24-0668

24-192

Resolution Approving a Twentieth Amendment to the Landscape Maintenance Memorandum of Agreement for State Road A1A with the Florida Department of Transportation for Landscape Improvements within the Right-of-Way of State Road A1A and Approving an Assumption of Liability and Hold Harmless Agreement with Publix Super Markets, Inc - (Commission District 2)

ADOPTED

Yea: 5 - Commissioner Beasley-Pittman, Commissioner Sturman, Commissioner Herbst, Vice Mayor Glassman and Mayor Trantalis

PSJ **CR-5** 24-0841

24-194

Resolution Approving Fiscal Year 2025 Not for Profit Service Agreement with Riverwalk Fort Lauderdale, Inc. - $321,015 - (Commission Districts 2 and 4)

ADOPTED

Yea: 5 - Commissioner Beasley-Pittman, Commissioner Sturman, Commissioner Herbst, Vice Mayor Glassman and Mayor Trantalis

PSJ **CR-6** 24-0903

24-195

Resolution Approving the Performing Arts Center Authority Budget for Fiscal Year 2025 - (Commission District 2)

ADOPTED

Yea: 5 - Commissioner Beasley-Pittman, Commissioner Sturman, Commissioner Herbst, Vice Mayor Glassman and Mayor Trantalis

PGB **CR-7** 24-0925

24-196

Resolution Approving Fiscal Year 2025 Not for Profit Service Agreement with Riverwalk Fort Lauderdale, Inc. - Monthly Go Riverwalk Magazine - $50,400 - (Commission Districts 1, 2, 3 and 4)

ADOPTED

Yea: 5 - Commissioner Beasley-Pittman, Commissioner Sturman, Commissioner Herbst, Vice Mayor Glassman and Mayor Trantalis

CONSENT PURCHASE

SCW **CP-1** 24-0787

Motion Approving an Agreement for the Helistop Painting and Fireproof Coating Project - Champion Painting Specialty Services Corp. - $163,457 - (Commission District 4)

APPROVED

Yea: 5 - Commissioner Beasley-Pittman, Commissioner Sturman, Commissioner Herbst, Vice Mayor Glassman and Mayor Trantalis

Department of State / Division of Corporations / Search Records / Search by Entity Name /

Detail by Entity Name

Florida Profit Corporation
PUBLIX SUPER MARKETS, INC.

Filing Information

Document Number	112252
FEI/EIN Number	59-0324412
Date Filed	12/27/1921
State	FL
Status	ACTIVE
Last Event	CORPORATE MERGER
Event Date Filed	03/24/2023
Event Effective Date	03/24/2023

Principal Address

3300 PUBLIX CORPORATE PKWY
LAKELAND, FL 33811-3311

Changed: 03/24/2010

Mailing Address

P.O. BOX 407
LAKELAND, FL 33802

Changed: 03/20/2023

Registered Agent Name & Address

Corporate Creations Network, Inc.
801 US Highway 1
North Palm Beach, FL 33408

Name Changed: 04/07/2020

Address Changed: 04/07/2020

Officer/Director Detail

Name & Address

Title SVP, Secretary

Metz, Merriann M
3300 PUBLIX CORPORATE PKWY
LAKELAND, FL 33811-3311

Title EXECUTIVE VP & CFO

PHILLIPS, DAVID P
3300 PUBLIX CORPORATE PKWY
LAKELAND, FL 33811-3311

Title Executive Chairman

JONES, RANDALL T, Sr.
3300 PUBLIX CORPORATE PARKWAY
LAKELAND, FL 33811-3311

Title SVP

SMITH, MICHAEL R
3300 PUBLIX CORPORATE PKWY
LAKELAND, FL 33811-3311

Title VP, Facilities

MCGARRITY, ROBERT J
3300 PUBLIX CORPORATE PKWY
LAKELAND, FL 33811-3311

Title VP, Real Estate Strategy

O'CONNOR, BRIDGID A
3300 PUBLIX CORPORATE PKWY
LAKELAND, FL 33811-3311

Title VP, Industrial Maintenance & Purchasing

BARBER, RANDOLPH L
3300 PUBLIX CORPORATE PKWY
LAKELAND, FL 33811-3311

Title VP, Real Estate Assets

RAYBURN, WILLIAM W, IV
3300 PUBLIX CORPORATE PKWY
LAKELAND, FL 33811-3311

Title CEO

Murphy, Kevin S
3300 PUBLIX CORPORATE PKWY
LAKELAND, FL 33811-3311

Title President

Goff, John L., Jr.
3300 PUBLIX CORPORATE PKWY
LAKELAND, FL 33811-3311

Title VP, Facilities

SER, MIKHAEL H.
3300 PUBLIX CORPORATE PKWY
LAKELAND, FL 33811-3311

Annual Reports

Report Year	Filed Date
2023	03/20/2023
2024	01/12/2024
2024	04/01/2024

Document Images

04/01/2024 – AMENDED ANNUAL REPORT View image in PDF format

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02/23/2015 -- ANNUAL REPORT	View image in PDF format
07/29/2014 -- Merger	View image in PDF format
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09/04/2013 -- Merger	View image in PDF format
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03/10/1997 -- ANNUAL REPORT	View image in PDF format
02/08/1996 -- ANNUAL REPORT	View image in PDF format
02/14/1995 -- ANNUAL REPORT	View image in PDF format

Prepared by and return to:

Heidi Davis Knapik, Esquire
Gunster
450 E. Las Olas Blvd. Suite 1400
Fort Lauderdale, FL 33301

Folio Numbers: 494330010760, 494330010750

ASSUMPTION OF LIABILITY AND
HOLD HARMLESS AGREEMENT

THIS ASSUMPTION OF LIABILITY AND HOLD HARMLESS AGREEMENT ("Assumption Agreement") is entered into this 1st day of October, 2024, by and between:

PUBLIX SUPER MARKETS, INC., a Florida corporation, whose principal mailing address is Post Office Box 407, Lakeland, FL 33802-0407 ("OWNER")

and

CITY OF FORT LAUDERDALE, a Florida municipality having a principal address at 101 NE Third Avenue, Suite 2100, Fort Lauderdale, Florida 33301 ("CITY" or "City").

RECITALS

WHEREAS, OWNER is the owner of a parcel of land legally described in **Exhibit "A"** attached hereto and made a part hereof (the "Property"); and

WHEREAS, the Property is located on the west side of North Ocean Boulevard also known as A1A (hereinafter referred to as "A1A"), a right-of-way which is under the jurisdiction of the State of Florida Department of Transportation ("FDOT"); and

WHEREAS, certain landscape improvements are proposed to be installed in the right-of-way of A1A consisting of landscaping and irrigation ("Landscape Improvements"); and

WHEREAS, the Landscape Improvements are proposed to be installed on the west side of the A1A right-of-way (just south of NE 30th Street) (the "Improvement Area"); and

WHEREAS, in order to permit the Landscape Improvements to be constructed in the FDOT right-of-way, FDOT requires the City to enter into an agreement entitled "Amendment Number Twenty (20) to Florida Department of Transportation District Four (4) Landscape Inclusive Maintenance Memorandum of Agreement for State Road A1A" which incorporates all applicable provisions of the District Four (4) Maintenance Memorandum of Agreement Inclusive Agreement for SR A1A and its amendments thereto (the "Agreement") which is attached hereto and incorporated herein as **Exhibit "B"**; and

WHEREAS, other than the Landscape Improvements required in the Agreement, OWNER shall not be obligated to assume any responsibilities or liabilities with respect to any other right-of-way improvements located outside of the area described in Amendment Number Twenty (20) to Florida Department of Transportation District Four (4) Landscape Inclusive Maintenance Memorandum of Agreement for State Road A1A; and

WHEREAS, the terms and conditions are set forth in the Agreement impose responsibility for maintenance of the Landscape Improvements on the City; and

WHEREAS, as a condition to precedent to the City executing Amendment Number Twenty (20) to Florida Department of Transportation District Four (4) Landscape Inclusive Maintenance Memorandum of Agreement for State Road A1A, OWNER hereby agrees to assume all liability, obligations and responsibilities under the Agreement and agrees to indemnify and hold harmless the City, its officers, elected and appointed officials, volunteers, employees, and agents from any and all liability under the Agreement only for the Landscape Improvements pursuant to the terms and conditions of this Assumption Agreement and the Agreement; and

WHEREAS, OWNER shall not be obligated to assume any maintenance responsibilities or liabilities with respect to any other right-of-way improvements in the FDOT right-of-way, other than the Landscape Improvements.

NOW, THEREFORE, in consideration of the mutual covenants and conditions contained herein, and other good and valuable considerations, the sufficiency and adequacy of which is hereby acknowledged, OWNER and the City hereby agree as follows:

1. Recitals. The foregoing Whereas clauses are true and correct and are hereby incorporated herein.

2. Terms. The following terms, as used and referred to herein, shall have the meanings set forth below, unless the context indicates otherwise.

City Manager means CITY's Chief Executive Officer, its City Manager, or his or her designee.

City Engineer means the City Engineer (Urban Design Engineer) for the CITY, or the City Engineer's designee. In the administration of this agreement, as contrasted with matters of policy, all parties may rely upon instructions or determinations made by the City Engineer. For the purposes hereof, the CITY Engineer's designee shall be the Urban Design Engineer.

Day(s). In computing any period of time expressed in day(s) in this Agreement, the day of the act, event, or default from which the designated period of time begins to run shall not be included. The last day of the period so computed shall be included unless it is a Saturday, Sunday, or legal holiday, in which event the period shall run until the end of the next day which is neither a Saturday, Sunday or legal holiday. When the period of time prescribed or allowed is less than seven (7) days, intermediate Saturdays, Sundays, and legal holidays shall be excluded in the computation.

Department (also known as "FDOT") means the State of Florida Department of Transportation.

Effective Date means the effective date of this Assumption Agreement, which shall be the date upon which both (i) this Assumption of Liability and Hold Harmless Agreement is executed by the proper corporate officials for OWNER and the CITY and recorded in the Official Records of Broward County by the Owner at the Owner's expense and (ii) the Agreement is executed by FDOT and the City.

Landscape Improvements as used herein means all liabilities, responsibilities, and obligations that are imposed on the City in the Agreement for the area described in Amendment Number Twenty (20) to Florida Department of Transportation District Four (4) Landscape Inclusive Maintenance Memorandum of Agreement for State Road A1A.

Person means any individual, firm, partnership (general or limited), corporation, company, association, joint venture, joint stock association, estate, trust, business trust, cooperative, limited liability corporation, limited liability partnership, limited liability company or association, or body politic, including any heir, executor, administrator, trustee, receiver, successor or assignee or other person acting in a similar representative capacity for or on behalf of such Person.

3. Compliance and Default. OWNER agrees to assume any and all liability and responsibility for performance of the Landscape Improvements under the Agreement except that OWNER shall not be liable for any improvements and work done by the City or third parties, unless OWNER provides written consent to such improvements. OWNER hereby agrees to abide by and comply with each and every term and condition relating to the Property set forth in the Agreement and this Assumption Agreement and failure to so comply shall constitute a default under this Assumption Agreement. Any acts or omissions by OWNER or OWNER's contractors, agents or employees that are not in compliance with the terms and conditions of the Agreement

shall constitute a default under this Assumption Agreement. The Agreement is incorporated into this Assumption Agreement as if fully set forth herein.

4. Indemnification and Hold Harmless.

(a) OWNER shall protect, defend, indemnify and hold harmless the CITY, its officers, elected and appointed officials, volunteers, employees and agents from and against any and all lawsuits, penalties, damages, settlements, judgments, decrees, costs, charges and other expenses charged or incurred, including reasonable attorney's fees actually incurred, or liabilities of every kind, nature or degree arising out of or in connection with the rights, responsibilities and obligations of OWNER under the Agreement and this Assumption Agreement, conditions contained therein, the location, construction, repair, maintenance use or occupancy by OWNER or its agents, employees, contractors, and subcontractors of the Landscape Improvements, or the breach or default by OWNER of any covenant or provision of the Agreement or this Assumption Agreement. Without limiting the foregoing, any and all such charges, claims, suits, causes of action relating to personal injury, death, damage to property, defects in construction, rehabilitation or restoration of the Landscape Improvements by OWNER or others, including but not limited to costs, charges and other expenses charged or incurred, including reasonable attorney's fees and costs actually incurred or liabilities arising out of or in connection with the rights, responsibilities and obligations of OWNER under the Agreement and this Assumption Agreement, or any actual violation of any applicable and known statute, ordinance, administrative order, rule or regulation or decree of any court by OWNER, is included in this indemnity. OWNER shall not be liable for any negligence or international torts committed by the City, its agents, its employees, its officers, its elected and appointed officials, and its volunteers.

(b) OWNER further agrees that upon delivery of proper and timely notice of violations under the Agreement it shall investigate, handle, respond to, provide defense for, and defend any such claims at its sole expense. The parties will mutually select counsel and in the absence of agreement, the City's selection of counsel shall be final. The City shall retain the right to select counsel of its own choosing as deemed appropriate. This indemnification shall survive termination, revocation or expiration of the Agreement and this Assumption Agreement and shall cover any acts or omissions occurring during the term of the Agreement and this Assumption Agreement.

5. Insurance. At all times during the term of the Agreement and this Assumption Agreement, OWNER, at its expense, shall keep or cause to be kept in effect the insurance coverages for the Landscape Improvements set forth in the Agreement and OWNER shall cause such coverage to be extended to CITY as an additional insured and shall furthermore provide Certificates of Insurance to CITY at least fourteen (14) days prior to the commencement of the Agreement and annually thereafter on the anniversary date of the policies.

In accordance with the requirements in Section 12 of the District Four (4) Maintenance Memorandum of Agreement Inclusive Agreement for SR A1A, OWNER shall comply with the following requirements:

(a) **OWNER** shall at all times during the term of this Agreement keep and maintain in full force and effect, at OWNER's sole cost and expense, Comprehensive General Liability with minimum limits of $1,000,000.00 per occurrence combined single limit for Bodily Injury Liability and Property Damage Liability and Worker's Compensation insurance with minimum limits of $500,000.00 per Liability. Coverage must be afforded on a form no more restrictive that the latest edition of the Comprehensive General Liability and Worker's Compensation policy without restrictive endorsements, as filed by the Insurance Services Office and shall name **DEPARTMENT** as an additional insured.

(b) **OWNER** shall furnish **the CITY** with Certificates of Insurance of Endorsements evidencing the insurance coverage specified herein prior to the beginning performance of work under this Agreement.

(c) Coverage is not to cease and is to remain in full force and effect (subject to cancellation notice) until all performance required of **OWNER** is completed. All policies must be endorsed to provide **DEPARTMENT** with at least thirty (30) days notice of cancellation and or/or restriction. If any of the insurance coverage will expire prior to the completion of work, copies of renewal policies shall be furnished at least (30) days prior to the date of expiration.

6. Removal of Improvements and Restoration of Improvement Area.

(a) Except as may otherwise be expressly provided herein, it is agreed that upon termination of the Agreement, in whole or in part, OWNER shall remove all or any part of the Landscape Improvements in accordance with the terms and conditions of the Agreement, and OWNER shall restore the right of way and any impacted public utilities to conditions acceptable to FDOT. Such removal and restoration shall be at OWNER's sole cost and expense. In the event OWNER fails to begin to remove all or any part of the Landscape Improvements contemplated herein with thirty (30) days after written demand by FDOT or CITY, the CITY is hereby authorized to remove the Landscape Improvements that interfere with the easement rights or the public's use of dedicated rights-of-way and restore the right of way and any public utilities to conditions acceptable to FDOT, and all reasonable costs associated with the removal and restoration thereof shall be fully reimbursed by OWNER.

(b) In the event OWNER fails to remove the Landscape Improvements after an opportunity to cure and CITY finds it necessary to remove the Landscape Improvements in accordance with the foregoing, then OWNER shall post a cash bond with the CITY equivalent to the amount at issue and if not resolved within thirty (30) days after the bond is posted, the CITY shall be entitled to payment from the proceeds of the bond.

7. Event of Default; Remedy. In the event the OWNER fails to perform or violates any of the terms or conditions of the Agreement or this Assumption Agreement or is in breach or default in any term or condition thereof, the City shall notify OWNER of the specific failure or violation of this Assumption Agreement or the Agreement in writing and OWNER shall thereafter have a period of thirty (30) days to cure any such failure or violation to the City's reasonable satisfaction (an "Event of Default"). Upon an Event of Default, the City has the right 1) to take any equitable action to enforce the terms and conditions of the Agreement or this Assumption

Agreement, it being stipulated by the parties that since the Agreement and this Assumption Agreement deal with the right to use public easements and rights-of-way of FDOT used for a governmental purpose, a violation or breach of any term or condition of the Agreement or this Assumption Agreement constitutes an irreparable injury to the public and CITY for which there is no adequate remedy at law or 2) take such curative action that was required to be taken by the OWNER under the Agreement and the cost and expense incurred in CITY's curative actions shall be passed on to and owed by OWNER, in which case OWNER shall be liable for payment to CITY for all reasonable and necessary costs and expenses incurred by CITY in connection with the performance of the action or actions associated with the Landscape Improvements. OWNER shall reimburse CITY within thirty (30) days following written demand for payment thereof. Interest shall accrue on the unpaid amount at the rate of twelve percent (12%) per annum simple interest but in no event shall interest exceed the highest amount allowed by Florida law. If a dispute arises as to the need for, or amount due to the CITY for repairs or maintenance undertaken by CITY in accordance with the Agreement or Assumption Agreement, and such dispute is not resolved within thirty days (30) days after the date that CITY makes the written demand for payment, OWNER shall post a cash bond with the CITY equivalent to the amount at issue and if not resolved within thirty (30) days after posting, the CITY shall be entitled to payment from the proceeds of the bond. CITY shall have all other rights and remedies granted to it at law or in equity for OWNER's failure to pay the fines owed or reimburse CITY for curative actions taken by CITY. The remedies found within this Section are cumulative. The exercise of one does not preclude the exercise of any other remedy.

8. Emergencies. If an emergency situation arises with respect to the Agreement or the Assumption Agreement where the Improvement Area or any condition thereof presents an imminent threat to the health or safety of Persons or property, the CITY shall make reasonable efforts to provide telephone and email notice to OWNER's Contact Person. If, following that notice, OWNER fails to take timely action to correct the emergency situation, and allowing the emergency situation to continue would pose an imminent threat to health or safety to Persons or property, CITY may undertake such limited actions as are necessary to eliminate the emergency; and CITY shall be entitled to recover its reasonable costs of cure or resolve the emergency from OWNER in accordance with provisions hereof. For the purposes of this Section, OWNER'S Contact Person shall be Publix Super Markets, Inc., Attention: Anne Balderston; telephone number (863) 616-5777; and e-mail address: Anne.Balderston@Publix.com, with simultaneous copy to Publix Super Markets, Inc., Attention: Taylor McAuley; telephone number (863) 680-5393; and e-mail address: Taylor.Mcauley@Publix.com. In the event the OWNER's Contact Person or any other information pertaining to the OWNER's Contact Person shall change, such change shall be provided to the CITY Engineer and the CITY's Director of the Transportation and Mobility Department, in writing.

9. Damage to Public Property. In the event the use, operation, maintenance, repair, construction, demolition or reconstruction of the Landscape Improvements cause(s) any damage whatsoever to any other public property, then OWNER shall be responsible for the cost of repair and shall, at CITY's option, make said repairs, subject to CITY's reasonable satisfaction.

10. Notices.

(a) Except as provided in subparagraph (c) below, whenever it is provided herein that notice, demand, request or other communication shall or may be given to, or served upon, either of the parties by the other, or either of the parties shall desire to give or serve upon the other any notice, demand, request or other communication with respect hereto or with respect to any matter set forth in the Agreement or this Assumption Agreement, each such notice, demand, request or other communication shall be in writing and any law or statute to the contrary notwithstanding shall not be effective for any purpose unless the same shall be given by hand delivery, or by a nationally recognized overnight courier, or by mailing the same by registered or certified mail, postage prepaid, return receipt requested, addressed to the party at the address set forth below, or at such other address or addresses and to such other person or firm as OWNER may from time to time designate by notice as herein provided.

(b) All notices, demands, requests or other communications hereunder shall be deemed to have been given or served for all purposes hereunder upon receipt if by hand delivery, or upon one (1) business day after deposit with such overnight courier as required above, or upon two (2) business days after deposit with the United States mail, postage prepaid, in the manner aforesaid, provided, however, that for any distance in excess of five hundred (500) miles, air mail service or Federal Express or similar carrier shall be utilized, if available.

AS TO CITY:	Susan Grant Acting City Manager City of Fort Lauderdale 101 NE 3rd Avenue, Suite 2100 Fort Lauderdale, Florida 33301
With copy to:	Thomas J. Ansbro City Attorney City of Fort Lauderdale 1 East Broward Boulevard, Suite 1320 Fort Lauderdale, Florida 33301
With a copy to:	Transportation and Mobility Director City of Fort Lauderdale 290 N.W. 3rd Avenue Fort Lauderdale, Florida 33301
AS TO OWNER:	Publix Super Markets, Inc. 3300 Publix Corporate Parkway Lakeland, Florida 33811 Attn: William W. Rayburn, Vice President of Real Estate Assets

With a copy to: Publix Super Markets, Inc.
Office of the General Counsel
3300 Publix Corporate Parkway
Lakeland, Florida 33811
Attn: M. Mark Heekin, Esq.

With a copy to: Publix Super Markets, Inc.
3300 Publix Corporate Parkway
Lakeland, Florida 33811
Attn: Anne Balderston, Development Manager

With a copy to: Randy J. Holihan
RH Development Group
2513 Trentwood Boulevard
Belle Isle, FL 32812

With a copy to: Heidi Davis Knapik, Esq.
Gunster
450 E. Las Olas Blvd., Suite 1400
Fort Lauderdale, FL 33301

(c) As to activities under Paragraph 8, Emergencies, notice need not be given in accordance with subparagraph (a) above, but notice shall be sufficient if given to the Contact Person pursuant to Paragraph 8, Emergencies.

11. Independent Contractor. As between CITY and OWNER, OWNER is an independent contractor under this Assumption Agreement. In providing such services, neither OWNER nor its agents shall act as officers, employees, or agents of CITY. No partnership, joint venture, or other joint relationship is created hereby. CITY does not extend to OWNER or OWNER's agents any authority of any kind to bind CITY in any respect whatsoever.

12. Joint Preparation. Each party and its counsel have participated fully in the review and revision of this Assumption Agreement and acknowledge that the preparation of this Assumption Agreement has been their joint effort. The language agreed to expresses their mutual intent and the resulting document shall not, solely as a matter of judicial construction, be construed more severely against one of the parties than the other. The language in this Assumption Agreement shall be interpreted as to its fair meaning and not strictly for or against any party.

13. Interpretation of Agreement; Severability. This Assumption Agreement shall be construed in accordance with the laws of the State of Florida. If any provision hereof, or its application to any person or situation, is deemed invalid or unenforceable for any reason and to any extent, the remainder of this Assumption Agreement or the application of the remainder of the provisions, shall not be affected. Rather, this Assumption Agreement is to be enforced to the extent permitted by law. The captions, headings and title of this Assumption Agreement are solely for convenience of reference and are not to affect its interpretation. Each covenant, term, condition, obligation or other provision of this Assumption Agreement is to be construed as a

separate and independent covenant of the party who is bound by or who undertakes it, and each is independent of any other provision of this Assumption Agreement, unless otherwise expressly provided. All terms and words used in this Assumption Agreement, regardless of the number or gender in which they are used, are deemed to include any other number and other gender, as the context requires.

14. Successors. This Assumption Agreement shall be binding on and inure to the benefit of the parties, their successors and assigns. It is intended that this Assumption Agreement and the rights and obligations set forth herein shall run with the land and shall bind every person having any fee, leasehold or other interest therein and shall inure to the benefit of the respective parties and their successors, assigns, heirs, and personal representatives.

15. No Waiver of Sovereign Immunity. Nothing contained in this Assumption Agreement is intended to serve as a waiver of sovereign immunity by the City to which sovereign immunity may be applicable.

16. Third Party Beneficiaries. The parties expressly acknowledge that it is not their intent to create or confer any rights or obligations in or upon any third person or entity under this Assumption Agreement. None of the parties intend to directly or substantially benefit a third party by this Agreement. The parties agree that there are no third-party beneficiaries to this Agreement and that no third party shall be entitled to assert a claim against any of the parties based on this Agreement. Nothing herein shall be construed as consent by any agency or political subdivision of the State of Florida to be sued by third parties in any manner arising out of any contract.

17. Non-Discrimination. OWNER shall not discriminate against any Person in the performance of duties, responsibilities and obligations under this Assumption Agreement because of race, age, religion, color, gender, national origin, marital status, disability or sexual orientation.

18. Records. Each party shall maintain its own respective records and documents associated with this Assumption Agreement in accordance with the records retention requirements applicable to public records. Each party shall be responsible for compliance with any public documents request served upon it pursuant to Chapter 119, Florida Statutes as applicable, and any resultant award of attorney's fees for non-compliance with that law.

19. Entire Agreement. This document incorporates and includes all prior negotiations, correspondence, conversations, agreements and understandings applicable to the matters contained herein and the parties agree that there are no commitments, agreements or understandings concerning the subject matter of this Assumption Agreement that are not contained in this document. Accordingly, the parties agree that no deviation from the terms hereof shall be predicated upon any prior representations or agreements, whether oral or written.

20. Waiver. The parties agree that each requirement, duty and obligation set forth herein is substantial and important to the formation of this Assumption Agreement and, therefore, is a material term hereof. Any party's failure to enforce any provision of this Assumption Agreement shall not be deemed a waiver of such provision or modification of this Assumption Agreement. A waiver of any breach of a provision of this Assumption Agreement shall not be

deemed a waiver of any subsequent breach and shall not be construed to be a modification of the terms of this Assumption Agreement.

21. Governing Law. This Assumption Agreement shall be interpreted and construed in accordance with and governed by the laws of the State of Florida. Any controversies or legal problems arising out of this Assumption Agreement and any action involving the enforcement or interpretation of any rights hereunder, shall be brought exclusively in the state courts of the Seventeenth Judicial Circuit in Broward County, Florida, and venue for litigation arising out of this Assumption Agreement shall be exclusively in such state courts, forsaking any other jurisdiction which either party may claim by virtue of its residency or other jurisdictional device. **By entering into this Assumption Agreement, CITY and OWNER hereby expressly waive any rights either party may have to a trial by jury of any civil litigation related to the Agreement or this Assumption Agreement or any acts or omissions in relation thereto.**

22. Recording. This Assumption Agreement and all its exhibits shall be recorded in the Official Records of Broward County, Florida, by Owner at Owner's sole cost and expense. OWNER shall provide a copy of this recorded Assumption Agreement to the City Manager and City Clerk.

23. Term. This Assumption Agreement shall continue in full force and effect until such time as the Agreement becomes null and void by removal of the Landscape Improvements, by operation of law or in accordance with the terms of the Agreement, or is terminated by a court order or mutual agreement between OWNER, FDOT and CITY and no obligations lying thereunder survive such termination.

24. Assignment. OWNER may assign this Assumption Agreement without the prior written consent of the CITY to a transferee of the fee simple interest in the Property or to an owner responsible for the common areas of the Property (including a condominium association, homeowner's association or property owner's association), with written notice to the City Manager of such assignment and delivery of a copy of the written assumption of responsibilities executed by the assignor and recorded in the Public Records of Broward County, Florida.

25. Police Power. Nothing herein shall be construed as a waiver of the City's police power. OWNER shall comply with the City's codes, ordinances and regulations with respect to installation and construction of the Landscape Improvements. OWNER shall construct operate and maintain the Landscape Improvements in compliance with all health, sanitary, fire, zoning and building code requirements and any other governing authority with jurisdiction over the Improvement Area and Improvements.

26. No Property Rights. OWNER expressly acknowledges that pursuant to the terms hereof, it gains no property right through this Assumption Agreement or the Agreement to the continued possession or use of the Landscape Improvements within the Improvement Area.

(SIGNATURES TO FOLLOW)

IN WITNESS WHEREOF, the parties enter into this Assumption of Liability and Hold Harmless Agreement by OWNER and the CITY OF FORT LAUDERDALE and execute this Agreement as follows:

OWNER:

Witnesses:

Taylor McAuley
(Witness #1 Signature)
Print Name: **Taylor McAuley**
Address: 3300 Publix Corporate Parkway
Lakeland, FL 33811

Anne Beldestin
(Witness #2 Signature)
Print Name: Anne Beldestin
Address: 3300 Publix Corporate Parkway
Lakeland, FL 33811

PUBLIX SUPER MARKETS, INC., a Florida corporation.

By: Bridgid
Print Name: Bridgid A. O'Connor
Title: Vice President Real Estate Strategy

ACKNOWLEDGEMENT

STATE OF FLORIDA:
COUNTY OF POLK:

The foregoing instrument was acknowledged before me by means of ☒ physical presence or ☐ online notarization, this 30 day of September, 2024, by Bridgid A. O'Connor as Vice President Real Estate Strategy for PUBLIX SUPER MARKETS, INC., a Florida corporation.

(SEAL)

NOTARY PUBLIC STATE OF FLORIDA
JESSICA HERNANDEZ
Commission # HH 253135
Expires April 14, 2026

Jessica Hernandez
Signature: Notary Public, State of Florida

Jessica Hernandez
Print, Type of Stamp Commissioned Name Of Notary Public)

Personally Known ✓ OR Produced Identification ___
Type of Identification Produced _____

AS TO CITY:

ATTEST:

David R. Soloman, City Clerk

(CORPORATE SEAL)

CITY OF FORT LAUDERDALE, a municipal corporation of Florida.

By: _____
Dean J. Trantalis, Mayor

14 day of Oct., 2024

By: _____
Susan Grant
Acting City Manager

9th day of October, 2024

Approved as to form:
Thomas J. Ansbro, City Attorney

_____
SHARI C. WALLEN
Assistant City Attorney

STATE OF FLORIDA:
COUNTY OF BROWARD:

The foregoing instrument was acknowledged before me by means of ☑ physical presence or ☐ online notarization, this 14 day of October, 2024, by **Dean J. Trantalis,** Mayor of the City of Fort Lauderdale, a municipal corporation of Florida. He is personally known to me.

(SEAL)

_____
Notary Public, State of Florida
(Signature of Notary taking Acknowledgment)

KRYSTAL LAZCANO
Notary Public - State of Florida
Commission # HH 520297
My Comm. Expires Apr 24, 2028
Bonded through National Notary Assn.

KRYSTAL LAZCANO
Name of Notary Typed, Printed or Stamped

My Commission Expires:
April 24, 2028

CITY OF FORT LAUDERDALE
ESTABLISHED - MARCH 21, 1911
BROWARD COUNTY, FLORIDA
SEAL

KRYSTAL LAZCANO
Notary Public - State of Florida
Commission # HH 520297
My Comm. Expires Apr 24, 2028
Bonded through National Notary Assn.

STATE OF FLORIDA:
COUNTY OF BROWARD:

The foregoing instrument was acknowledged before me by means of ☑ physical presence or ☐ online notarization, this 9th day of October, 2024, by Susan Grant, Acting City Manager of the City of Fort Lauderdale, a municipal corporation of Florida. She is personally known to me.

(SEAL)

Notary Public, State of Florida
(Signature of Notary taking Acknowledgment)

REBECCA MCCLAM
Notary Public - State of Florida
Commission # HH 306617
My Comm. Expires Aug 29, 2026
Bonded through National Notary Assn.

Name of Notary Typed, Printed or Stamped

My Commission Expires:
August 29, 2026

Exhibit A

Legal Description and Sketch

4341 S.W. 62nd Avenue
Davie, Florida 33314

STONER
SURVEYORS • MAPPERS
Licensed Business No. 6633

Refer to last page for official signature

TEL (954) 585-0997
www.stonersurveyors.com

LEGAL DESCRIPTION OF:
F.D.O.T. LANDSCAPE MMOA
OCEAN BOULEVARD (STATE ROAD A-1-A)
CITY OF FORT LAUDERDALE, BROWARD COUNTY, FLORIDA

LEGAL DESCRIPTION:

A PARCEL OF LAND BEING A PORTION OF LOTS 90, 91 AND 92, BLOCK 1, LAUDERDALE BEACH, ACCORDING TO THE PLAT THEREOF RECORDED IN PLAT BOOK 4, PAGE 2, OF THE PUBLIC RECORDS OF BROWARD COUNTY, FLORIDA, SAID PARCEL BEING MORE PARTICULARLY DESCRIBED AS FOLLOWS:

BEGIN AT THE SOUTHEAST CORNER OF SAID LOT 90;

THENCE ON AN ASSUMED BEARING OF N.08°17'27"E., ALONG THE EAST LINE OF SAID LOTS 90, 91 AND 92, SAID EAST LINE ALSO BEING THE WEST RIGHT-OF-WAY LINE OF OCEAN BOULEVARD (STATE ROAD A-1-A, RIGHT OF WAY MAP NUMBER 86050-2505, SHEET 7), A DISTANCE OF 123.96 FEET TO THE TO A POINT OF CURVATURE OF A TANGENT CURVE CONCAVE TO THE SOUTHWEST;

THENCE NORTHERLY, NORTHWESTERLY AND WESTERLY ALONG THE ARC OF SAID CURVE TO THE LEFT, HAVING A CENTRAL ANGLE OF 92°20'00" AND A RADIUS OF 25.00 FEET FOR AN ARC DISTANCE OF 40.29 FEET, TO A POINT OF TANGENCY, SAID POINT ALSO BEING A POINT ON THE NORTH LINE OF SAID LOT 92;

THENCE N.84°02'33"W., ALONG THE SAID NORTH LINE, A DISTANCE OF 4.80 FEET;

THENCE S.37°52'33"E., A DISTANCE OF 28.85 FEET, TO A POINT ON A LINE 10.00 FEET WEST OF AND PARALLEL WITH THE SAID EAST LINE OF LOTS 90, 91 AND 92;

THENCE S.08°17'27"W., ALONG SAID PARALLEL LINE A DISTANCE OF 129.17 FEET, TO A POINT ON THE SOUTH LINE OF SAID LOT 90;

THENCE S.84°02'33"E., ALONG SAID SOUTH LINE A DISTANCE OF 10.01 FEET, TO THE POINT OF BEGINNING.

SAID LANDS SITUATE AND BEING WITHIN THE CITY OF FORT LAUDERDALE, BROWARD COUNTY, FLORIDA AND CONTAINING 0.036 ACRES (1,569 SQUARE FEET), MORE OR LESS.

NOTES:

1. THIS SKETCH AND DESCRIPTION IS "NOT VALID" WITHOUT THE SIGNATURE AND THE ORIGINAL RAISED SEAL OF A FLORIDA LICENSED SURVEYOR AND MAPPER.
2. THE BEARINGS SHOWN HEREON ARE BASED ON ASSUMED BEARING OF N.08°17'27"E., ALONG THE EAST LINE OF LOTS 90-92, BLOCK 1, LAUDERDALE BEACH, RECORDED IN PLAT BOOK 4, PAGE 2, OF THE PUBLIC RECORDS OF BROWARD COUNTY, FLORIDA.
3. THIS SKETCH DOES NOT REPRESENT A FIELD SURVEY (THIS IS NOT A SURVEY).
4. THIS LEGAL DESCRIPTION WAS PREPARED BY STONER & ASSOCIATES, INC. AND IS SUBJECT TO THE PROPERTY INFORMATION REPORT ISSUED BY CHICAGO TITLE INSURANCE COMPANY, ORDER NO.: 10980420, AND EFFECTIVE THROUGH AUGUST 25, 2023 AT 11:00PM.
5. NO EASEMENTS WERE FOUND BASED ON THE PLAT OF RECORD, OR THE PROPERTY INFORMATION REPORT ISSUED BY CHICAGO TITLE INSURANCE COMPANY, ORDER NO. 10980420 AFFECTING THE DONATION PARCEL (IF APPLICABLE).
6. SEE SHEET 2 OF 2 FOR A GRAPHIC DEPICTION (SKETCH) OF THE PROPERTY DESCRIBED HEREON.

CERTIFICATE:

THIS IS TO CERTIFY THAT THE SKETCH AND LEGAL DESCRIPTION SHOWN HEREON IS ACCURATE AND CORRECT TO THE BEST OF MY KNOWLEDGE AND BELIEF. I FURTHER CERTIFY THAT THIS SKETCH AND LEGAL DESCRIPTION WAS PREPARED IN ACCORDANCE WITH THE STANDARDS OF PRACTICE FOR SURVEYING ESTABLISHED BY THE BOARD OF PROFESSIONAL SURVEYORS AND MAPPERS IN CHAPTER 5J-17, FLORIDA ADMINISTRATIVE CODES, PURSUANT TO SECTION 472.027, FLORIDA STATUTES.

	REVISIONS	DATE	BY
1.	REF. PROPERTY INFO REPORT	6/13/23	JDS
2.	REF. NEW PROP. INFO REPORT	7/7/23	DWS
3.	CHANGE DRAWING TITLE	8/26/24	DWS

DATE OF SIGNATURE: 9.26.2023

JAMES D. STONER

PROFESSIONAL SURVEYOR AND MAPPER NO. 4039 – STATE OF FLORIDA

DATE OF SKETCH:	DRAWN BY	CHECKED BY	FIELD BOOK
2/08/23	JDS	JDS	N/A

JAMES D. STONER LICENSE NO. No. 4039 STATE OF FLORIDA Professional Surveyor & Mapper

SHEET 1 OF 2

SKETCH NO. 22-9491_R/W

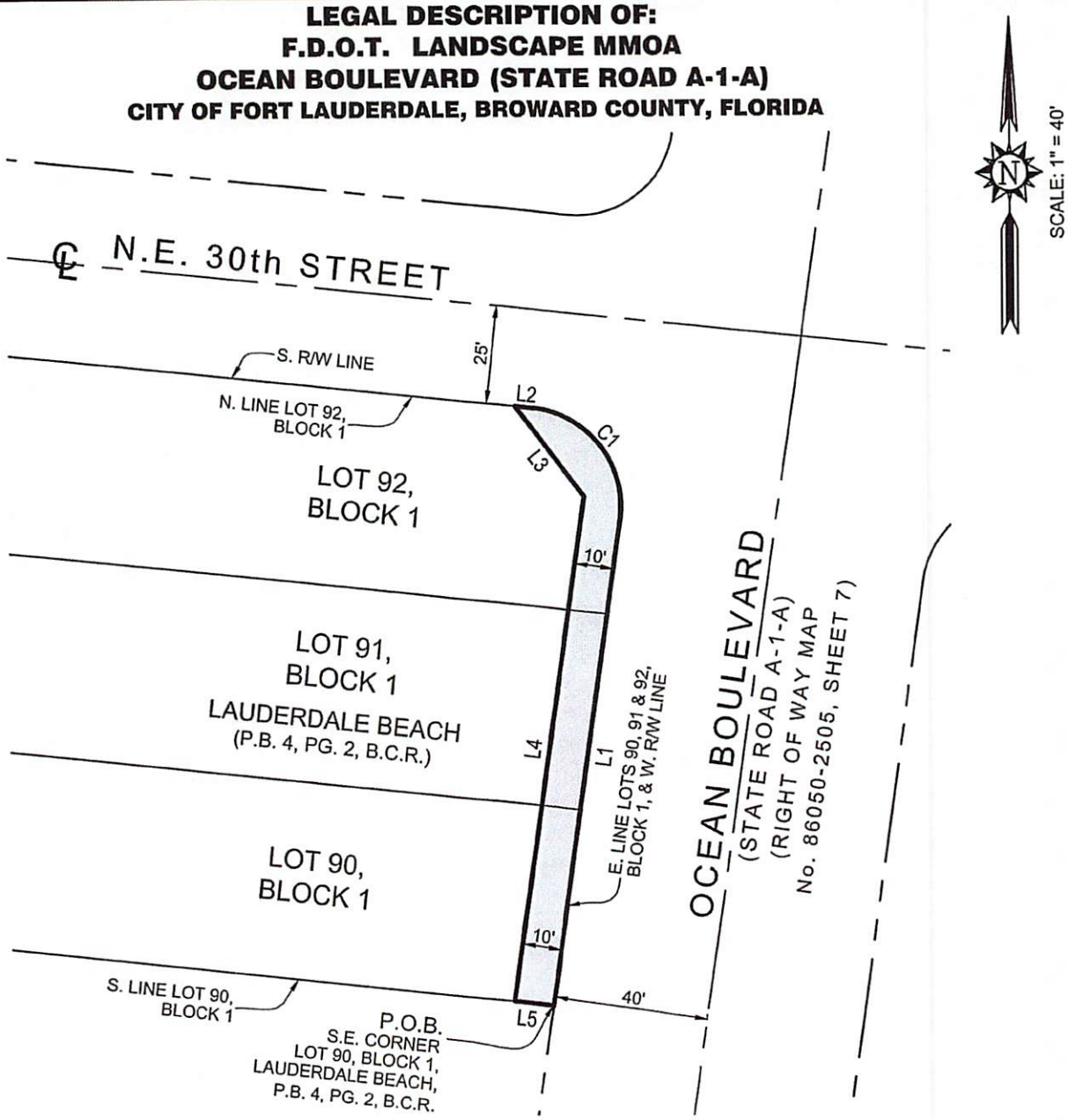
4341 S.W. 62nd Avenue
Davie, Florida 33314

STONER
SURVEYORS • MAPPERS
Licensed Business No. 6633

TEL (954) 585-0997
www.stonersurveyors.com

Refer to final copy for official signoff

LEGAL DESCRIPTION OF:
F.D.O.T. LANDSCAPE MMOA
OCEAN BOULEVARD (STATE ROAD A-1-A)
CITY OF FORT LAUDERDALE, BROWARD COUNTY, FLORIDA



CURVE TABLE			
CURVE	CENTRAL ANGLE	RADIUS	ARC DISTANCE
C1	92° 20' 00"	25.00'	40.29

LINE TABLE		
LINE	BEARING	DISTANCE
L1	N.08°17'27"E.	123.96'
L2	N.84°02'33"W.	4.80'
L3	S.37°52'33"E.	28.85'
L4	S.08°17'27"W.	129.17'
L5	S.84°02'33"E.	10.01'

LEGEND:

B.C.R. .... BROWARD COUNTY RECORDS
P.B. ..... PLAT BOOK
PG. ..... PAGE
PLS ..... PROFESSIONAL LAND SURVEYOR
LB. ..... LICENSED BUSINESS
P.O.C. ..... POINT OF COMMENCEMENT
P.O.B. ..... POINT OF BEGINNING
L1 ..... LINE NUMBER
C1. ..... CURVE NUMBER
RAD1 ..... RADIAL LINE NUMBER

SCALE: 1" = 40'

0 10 20 40 80
GRAPHIC SCALE

NOTE:
SEE SHEET 1 OF 2 FOR THE LEGAL DESCRIPTION OF THE PROPERTY SHOWN GRAPHICALLY HEREON.

SKETCH NO. 22-9491_R/W

SHEET 2 OF 2

Exhibit B

Florida Department of Transportation
Maintenance Memorandum of Agreement

COUNTY:	**BROWARD**
SECTION:	**86050000**
STATE ROAD:	**A1A**
PERMIT:	**2022-L-491-00010**

AMENDMENT NUMBER TWENTY (20) TO
FLORIDA DEPARTMENT OF TRANSPORTATION DISTRICT FOUR (4)
LANDSCAPE INCLUSIVE MAINTENANCE MEMORANDUM OF AGREEMENT
FOR STATE ROAD A1A

THIS AMENDMENT Number Twenty (20) to the Agreement dated January 31, 2008, was made and entered into this _____ day of _____ 20_____ by and between the **FLORIDA DEPARTMENT OF TRANSPORTATION**, a component agency of the State of Florida, hereinafter called the **DEPARTMENT,** and the **CITY OF FORT LAUDERDALE**, a municipal corporation of the State of Florida, hereinafter called the **AGENCY.**

W I T N E S S E T H

WHEREAS, the parties entered into the Landscape Inclusive Maintenance Memorandum of Agreement dated January 31, 2008 ("Original Agreement") for the purpose of the AGENCY maintaining landscape and hardscape improvements on **State Road A1A**; and,

WHEREAS, the DEPARTMENT and the AGENCY agree to amend the Original Agreement for the purpose of adding additional landscape improvements ("Additional Improvements") to be installed by permit on **State Road A1A** in accordance with the above referenced Original Agreement; and,

WHEREAS, the AGENCY by Resolution No._____ dated_____, attached hereto as **Exhibit C** and by this reference made a part hereof, desires to enter into this Agreement and authorized its officers to do so; and,

NOW THEREFORE, for and in consideration of mutual benefits that flow each to the other, the parties covenant and agree as follows:

1. The parties herein agree to modify the Original Agreement accordingly:

   A. The following sentence is added to the end of the first paragraph of Section 3:

      The AGENCY shall be responsible for all maintenance and repairs to FDOT sidewalks directly attributable to tree roots or other AGENCY maintained improvements.

   B. The following section is hereby added:

DEPARTMENT ACCESS TO FACILITIES

The DEPARTMENT will periodically need access to various features within the limits of this Agreement. Upon request of the DEPARTMENT, the AGENCY will have 14 calendar days to provide access to the items noted by the DEPARTMENT. This may require temporary or permanent removal of improvements such as hardscape, landscape or other items conflicting with the items to which the Department needs access.

Should the AGENCY fail to remove or relocate items as requested, the Department may:

(a) Remove conflicting improvements or any portion thereof.

(b) Restore the area with any material meeting Department standards.

(c) Restore the improvements at the request and funding of the AGENCY.

2. Pursuant to section one (1) of Amendment Eleven (11) to the Original Agreement, the AGENCY has agreed to allow an Adjacent Property Owner to construct Additional Improvements or to modify an improvement located as indicated in **Exhibit "A"** on SR A1A from Milepost 5.200 to Milepost 5.233.

3. The Additional Improvements (planting and irrigation) shall be installed according to the plans attached to this Amendment as **Exhibit "B"** and incorporated into the Original Agreement.

4. The AGENCY agrees to maintain the Additional Improvements in accordance with Part I of Exhibit "C" Maintenance Plan for Landscape Improvements, of the Original Agreement, and in compliance with:

PART II. <u>Specific Project Site Maintenance Requirements and Recommendations:</u>

a) Design intent is to provide pedestrian-friendly landscape buffer adjacent to S.R. A1A.

b) To maintain the intended appearance of all palms, apply the latest palm fertilizer recommended by the University of Florida IFAS Extension per the manufacturer's specifications.

c) To maintain the intended appearance of all shrubs or turf grass, apply the latest fertilizer recommended by the University of Florida IFAS Extension per the manufacturer's specifications.

d) Do not remove fronds from self-cleaning palms, unless damaged. Palms with persistent fronds shall only have dead fronds removed, do not remove any green fronds. If it is deemed necessary to prune a palm's fronds, no fronds shall be trimmed above 3 o'clock and 9 o'clock on the horizontal plain.

e) Groundcover and shrub horizontal growth shall be maintained to prevent foliage from growing beyond the limits of the planting areas shown on the plan. Maintain a 6"-18" range setback (depending on plant spacings indicated on plans) from the foliage to the edge of curb, pavement, sidewalk and/or other hardscape improvements.

f) Maintain the vertical height of:
   1) *ERNODEA LITTORALIS* between 12" and 18", full to ground.
   2) *FICUS MICROCARPA CV GREEN ISLAND* between 30" and 36", full to ground.
   3) *TRADESCANTIA PALLIDA 'PURPUREA'* at full mature height (approx. 18"), full to ground.
   4) *ZAMIA PUMILA* at full mature height (approx. 36"), full to ground.

g) Inspect groundcovers and shrubs on a monthly basis for maintaining full to ground coverage.

h) Evaluate plant material on a monthly basis for pests, diseases, drought stress or general decline. If required, follow the integrated pest management program established by the Agency to ensure healthy plants.

i) Joints and cracks in concrete, patterned concrete or asphalt, concrete pavers, concrete curbs, expansion joints, catch basins, gutter areas, etc. shall be inspected on a monthly basis to keep those areas free of weeds.

j) Inspect the irrigation system performance on a monthly basis to ensure the system is providing 100% coverage, does not have sections of low pressure, heads and valves are clean and clear of debris and any damaged irrigation components (i.e., spray nozzles, spray heads, valve boxes, etc.) are repaired or replaced.

Except as modified by this Amendment, all terms and conditions of the Original Agreement and all Amendments thereto shall remain in full force and effect.

LIST OF EXHIBITS

Exhibit A - Maintenance Limits
Exhibit B - Landscape Improvement Plans
Exhibit C - Resolution

In Witness whereof, the parties hereto have executed with this Amendment effective the _____day _____ year written and approved.

CITY OF FORT LAUDERDALE

By: _____
Dean J. Trantalis, Mayor

_____day of _____, 2024

By:_____
Susan Grant, Acting City Manager

_____day of _____, 2024

Attest:

_____
David R. Soloman, City Clerk

Approved as to form by Office of City Attorney

_____
City Attorney

STATE OF FLORIDA
DEPARTMENT OF TRANSPORTATION

By: _____
John Krane, P.E.
Transportation Development Director

Date: _____

Attest: _____
Executive Secretary

Legal Review:

_____ _____
Office of the General Counsel Date

COUNTY:	**BROWARD**
SECTION:	**86050000**
STATE ROAD:	**A1A**
PERMIT:	**2022-L-491-00010**

EXHIBIT A

MAINTENANCE LIMITS

I. INCLUSIVE LANDSCAPE MAINTENANCE AGREEMENT LIMITS FOR STATE ROAD A1A:

From State Road 5 (US 1) M.P. 0.000 (Section 86180000)
to Flamingo Avenue (M.P. 6.410) (Section 86050000)

By Individual Sections:
Southbound One Way (Section 86050100)
M.P. 0.0000 (Seville Street) to M.P. 0.926 (Bahia Mar Hotel Entrance)

Northbound One Way / Seabreeze Blvd / 17th Street Causeway (Section 86180000):
M.P. 0.000 (State Road 5) (US 1) to M.P. 2.964 (State Road 842) (Las Olas Boulevard)

North Fort Lauderdale Beach Area (Section 86050000):
M.P. 2.039 (south of Poinsettia Street) to M.P. 6.410 (Flamingo Avenue)

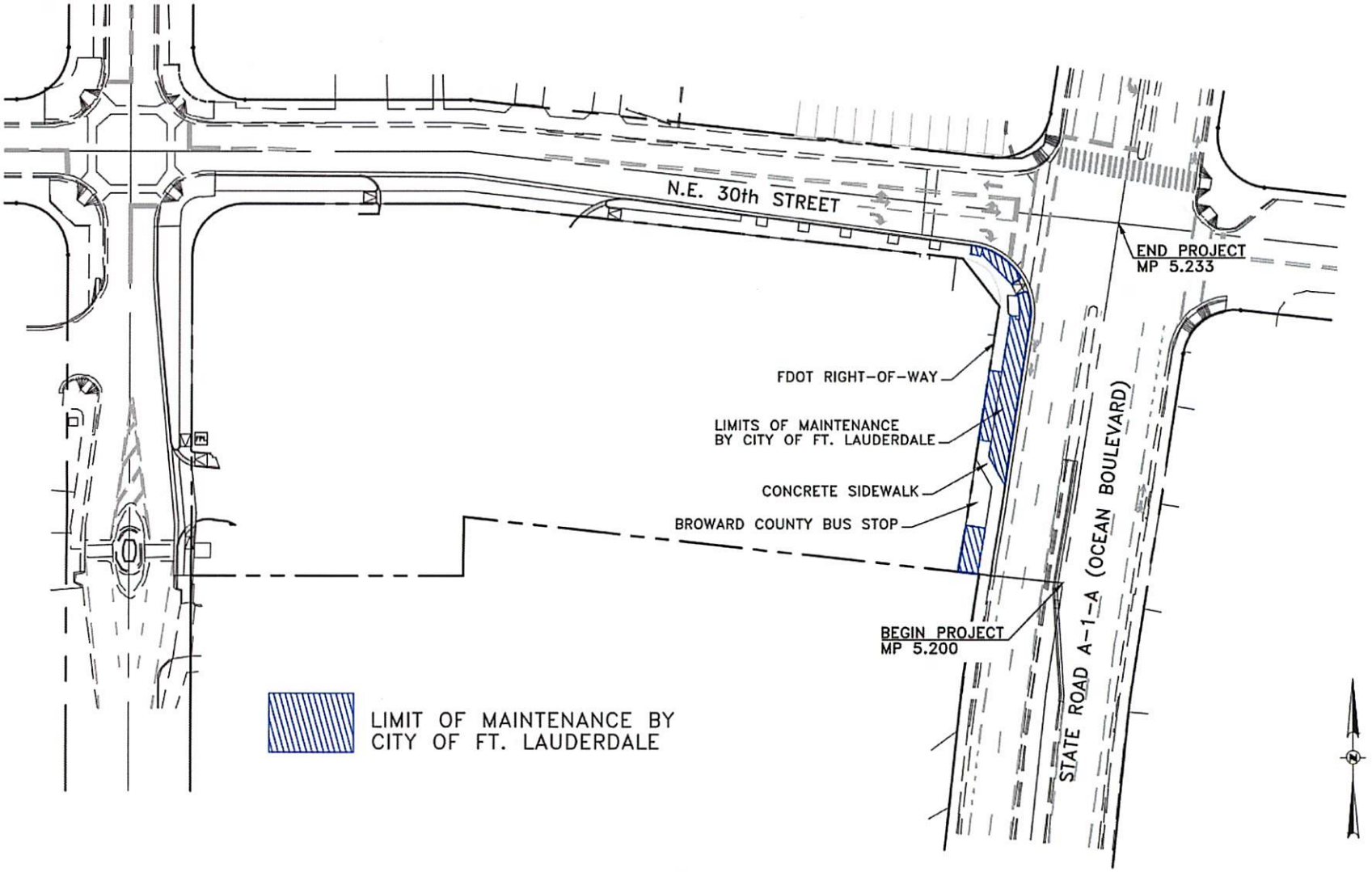
II. MAINTENANCE LIMITS FOR AMENDMENT #20:

Section Number 86050000
State Road A1A (Ocean Boulevard) from MP 5.200 to MP 5.233 (NE 30th Street)

III. AMENDMENT #20 MAINTENANCE BOUNDARY MAP:

*Please See Attached**

*All limits of the Original Agreement and Amendments shall apply.



LANDSCAPE IMPROVEMENTS BOUNDARY MAP
CITY OF FT. LAUDERDALE

FDOT Landscape Permit Number 2022-L-491-00010

COUNTY:	**BROWARD**
SECTION:	**86050000**
STATE ROAD:	**A1A**
PERMIT:	**2022-L-491-00010**

EXHIBIT B

LANDSCAPE IMPROVEMENT PLANS

The AGENCY agrees to install the landscape improvements in accordance with the plans and specifications attached hereto and incorporated herein.

Please see attached plans prepared by: Paolo Ferrera, RLA
GRAEF
July 12, 2024

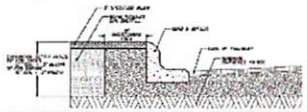
LANDSCAPE DRAWINGS
FOR
FT. LAUDERDALE BEACH PUBLIX
STATE ROAD A-1-A AND N.E. 30TH STREET
LAUDERDALE BEACH, FLORIDA

FDOT GENERAL NOTES

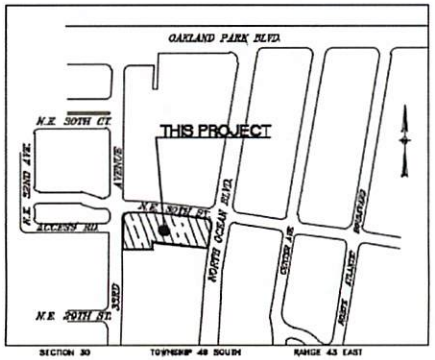
1. GOVERNING STANDARD PLANS:
   FLORIDA DEPARTMENT OF TRANSPORTATION, FY 2022-23 STANDARD PLANS FOR ROAD AND BRIDGE CONSTRUCTION AND APPLICABLE INTERIM REVISIONS (IRS) ARE AVAILABLE AT THE FOLLOWING WEBSITE: https://www.dot.state.fl.us/design/standardplans
2. GOVERNING STANDARD SPECIFICATIONS:
   FLORIDA DEPARTMENT OF TRANSPORTATION, JULY 2022 STANDARD SPECIFICATIONS FOR ROAD AND BRIDGE CONSTRUCTION AT THE FOLLOWING WEBSITE:
   https://www.fdot.gov/programmanagement/implemented/specbook
3. CONTRACTOR SHALL REPAIR ALL DAMAGE DONE TO FDOT PROPERTY DURING DEMOLITION, RELOCATION &/OR INSTALLATION ACTIVITIES AT HIS SOLE EXPENSE.
4. ANY PLANT MATERIAL SUBSTITUTION WITHIN OR IMPACTING THE FDOT RIGHT OF WAY WHETHER REQUESTED BY THE CONTRACTOR, OWNER, LANDSCAPE ARCHITECT OR OTHER WILL NEED TO GET APPROVAL FROM THE FDOT DISTRICT LANDSCAPE ARCHITECT.
5. OWNERSHIP OF ALL SUITABLE EXCAVATED MATERIALS, AS DETERMINED BY THE DEPARTMENT, SHALL REMAIN IN THE DEPARTMENT UNTIL A FINAL ACCEPTANCE OF THE PERMITTED PROJECT IS FULFILLED. EXCAVATED MATERIALS SHALL BE HAULED BY THE PERMITTEE, AT THEIR COST & EXPENSE FROM THE SITE TO THE FDOT BROWARD OPERATIONS CENTER OR STOCKPILED IN THOSE AREAS AS DIRECTED BY THE DEPARTMENT, INCLUDING ASPHALT MILLINGS.

FDOT PLANTING NOTES

1. FOR THE PORTION OF LANDSCAPE PLANT MATERIAL THAT WILL BE INSTALLED WITHIN THE FDOT RIGHT OF WAY, LANDSCAPE INSTALLATION SHALL COMPLY WITH CURRENT APPLICABLE FDOT MAINTENANCE SPECIFICATION 580. ONLINE REFERENCE:
   https://fdotwww.blob.core.windows.net/sitefinity/docs/default-source/programmanagement/maintenance/ja22/ma580000ot-152.pdf?sfvrsn=8f4b7018_2
2. FOR THE PORTION OF LANDSCAPE PLANT MATERIAL THAT WILL BE INSTALLED WITHIN THE FDOT RIGHT OF WAY REFER TO THE FDOT STANDARD PLANS INDEX 580-001 LANDSCAPE INSTALLATION. ONLINE REFERENCE:
   https://fdotwww.blob.core.windows.net/sitefinity/docs/default-source/design/standardplans/2023/ntx/580-001.pdf?
3. IT IS RECOMMENDED TO VERIFY THE EXISTING SOIL CONDITIONS FOR THE MEDIANS TO BE PLANTED PRIOR TO FINALIZING THE CONSTRUCTION DOCUMENTS. IF THE EXISTING SUB-GRADE IS COMPACTED ROAD BASE, IT IS RECOMMENDED TO SPECIFY REPLACING WITH PLANTING SOIL, AS FOLLOWS:
   a. CONTRACTOR SHALL PRESERVE A CONTINUOUS BAND OF UNDISTURBED COMPACTED SUB-BASE 18" FROM THE BACK OF CURB (SEE DETAIL BELOW).
   b. CONTRACTOR SHALL INSURE THAT ALL UNSUITABLE SOIL INCLUDING CONCRETE, PAVEMENT, ROAD BASE, STONES OVER 3" DIAMETER AND ALL CONSTRUCTION DEBRIS, IS REMOVED FROM MEDIAN AREA TO BE PLANTED AND REPLACED WITH SPECIFIED PLANTING SOIL, E.G., 60% SAND AND 40% MUCK.
   c. AREAS TO BE PLANTED WITH SHRUBS AND/OR GROUND COVERS: REMOVE COMPACTED SOIL TO A DEPTH OF 12" AND REPLACE WITH SPECIFIED PLANTING SOIL. PLANTING SOIL SHALL COME UP TO 4" FROM TOP OF CURB, RESERVING SPACE FOR 3" COMPACTED MULCH AND 1" COLLAR FROM TOP OF CURB.
   d. PLANTING PITS FOR TREES AND PALMS: REMOVE COMPACTED SOIL WITHIN THE AREA OF EACH PLANTING PIT TO A DEPTH OF 24" FROM THE TOP OF CURB. PLANTING SOIL SHALL COME UP TO 4" FROM TOP OF CURB, RESERVING SPACE FOR 3" COMPACTED MULCH, AND 1" CLEAR FROM TOP OF CURB.



4. CYPRESS MULCH IS NOT PERMITTED ON FDOT RIGHT OF WAY. MULCH PERMITTED TO BE USED ARE HARDWOOD MULCH (CONTAINING NO CYPRESS PRODUCTS), RECYCLED MULCH OR APPROVED EQUAL, CERTIFIED BY THE MULCH AND SOIL COUNCIL (MSC). SUBMIT PROOF OF CERTIFICATION TO THE FDOT DISTRICT OPERATIONS PERMIT LANDSCAPE INSPECTOR UPON INSPECTION.



LOCATION MAP
N.T.S.

FDOT IRRIGATION NOTES

1. THE IRRIGATION SYSTEM SHALL USE THE LOWEST QUALITY WATER AVAILABLE WHICH ADEQUATELY AND SAFELY MEETS THE WATER NEEDS OF THE SYSTEM. STORM WATER, RECLAIM WATER, OR GREY WATER IRRIGATION SHALL BE USED WHENEVER POSSIBLE.
2. FDOT REQUIRES 24-HOUR EMERGENCY ACCESS TO WATER SOURCE.
3. CONTRACTOR SHALL PROVIDE FDOT DISTRICT OPERATIONS MANAGER WITH A SET OF "AS-BUILT" IRRIGATION PLANS.

INDEX OF DRAWINGS

FDOT Landscape Permit Number 2022-L-491-00010

GRAEF
9400 South Dadeland Boulevard
Suite 601
Miami, FL 33156
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305 / 279 4553 fax
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CERTIFICATE OF AUTHORIZATION NO. 4278

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FOR THE FIRM: PAOLO FERRERA LA 6667216

PROJECT TITLE:

FT. LAUDERDALE BEACH PUBLIX

2985 NORTH OCEAN BOULEVARD
FT. LAUDERDALE BEACH, FLORIDA 33308

MR. RANDY J. HOLIHAN
BRANDON STRUCTURES
750 Pasadena Place
Orlando, Florida 32803
(407) 839-9400 Fax (407) 839-9405

FDOT 07/22/2022

ISSUE:

NO.	DATE	REVISIONS	BY
	7/22/22	FDOT COMMENTS	

PROJECT INFORMATION:

PROJECT NUMBER:	20197040
DATE:	07-10-19
DRAWN BY:	P.F.
CHECKED BY:	N.H.O.
APPROVED BY:	P.F.
SCALE:	AS SHOWN

SHEET TITLE:

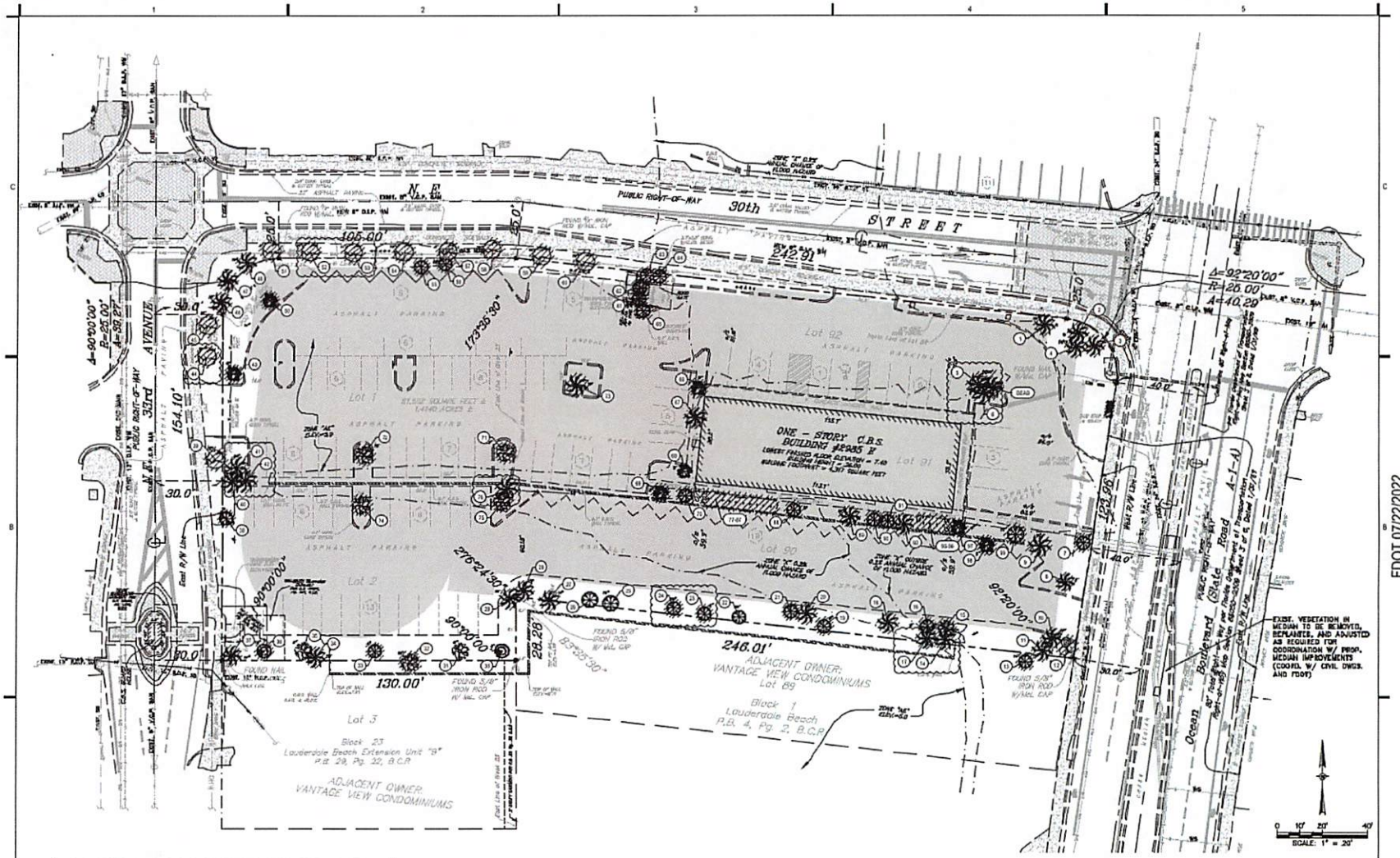
LOCATION MAP AND NOTES

SHEET NUMBER:

L-0

M # 24-0668

X:\MIA\2019\20197040\Design\Drawings\LA-0 COVER
7/12/2024 12:55 PM



TREE DISPOSITION LEGEND

- EXISTING TREE/PALM TO BE PROTECTED AND PRUNED AS REQUIRED FOR INSTALLATION OF PROPOSED IMPROVEMENTS. SEE LANDSCAPE DETAILS.
- EXISTING TREE/PALM TO BE REMOVED AND MITIGATED AS APPLICABLE.
- EXISTING TREE/PALM TO BE RELOCATED. SEE PLANTING PLAN.
- SHADED AREA INDICATES EXTENT OF PROP. PUBLIX STORE

TREE DISPOSITION PLAN

SCALE: 1" = 20'

Sunshine 811

Call 811 or www.sunshine811.com two full business days before digging to have utilities located and marked.

Check positive response codes before you dig!

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FOR THE FIRM: PAOLO FERRERA LA 6667210

PROJECT TITLE:

FT. LAUDERDALE BEACH PUBLIX

2985 NORTH OCEAN BOULEVARD
FT. LAUDERDALE BEACH, FLORIDA 33308

MR. RANDY J. HOLIHAN
BRANDON STRUCTURES
150 Fountainhead Road
Orlando, Florida 32803
(407) 628-9600 Fax (407) 628-9800

FDOT 07/22/2022

ISSUE:

NO.	DATE	REVISIONS	BY
	4/14/22	FDOT COMMENTS	
	7/22/22	FDOT COMMENTS	
	1/4/23	FIELD REVISION	

PROJECT INFORMATION:

PROJECT NUMBER:	20197040
DATE:	07-10-19
DRAWN BY:	P.F.
CHECKED BY:	N.H.O.
APPROVED BY:	P.F.
SCALE:	AS SHOWN

SHEET TITLE:

TREE DISPOSITION PLAN

SHEET NUMBER:

L-1.0

X:\MIA\2019\20197040\Design\Drawings\LA-1 TREE DISPOSITION
7/12/2024 12:56 PM

FIELD REV NOTES 01-04-2023

1. GREEN BUTTONWOOD TREES NUMBERS 33 AND 34 ARE MISSING FROM THE PROJECT SITE, AND ARE PRESUMED TO HAVE BEEN DAMAGED AND REMOVED DURING THE 2023 STORM SEASON. REPLACEMENT TREES ARE PROPOSED ON PLANTING PLAN.
2. REMOVAL AND MITIGATION FOR LIVE OAK TREES NUMBERS 44, 45 AND 52; AND PALMS NUMBERS 5, 6, 14, 17, 41 AND 42 IS PROPOSED. THE CONTRACTOR HAS ADVISED THAT ANY RELOCATED PLANT MATERIAL WILL NEED TO BE STORED AT AN OFF-SITE LOCATION DURING THE CONSTRUCTION PERIOD, INCREASING THE LIKELIHOOD OF TREE DAMAGE, RISK OF FAILURE AND COST.

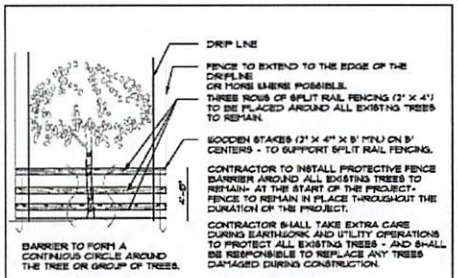
TREE DISPOSITION NOTES

1. ALL TREE REMOVAL, TREE PRUNING, TREE RELOCATION AND PLANTING WORK WORK SHALL BE PERFORMED IN COMPLIANCE WITH APPLICABLE REQUIREMENTS OF GOVERNING AUTHORITIES HAVING JURISDICTION, INCLUDING CITY OF FT. LAUDERDALE, BROWARD COUNTY, AND LATEST ANSI A300 STANDARDS.
2. SEE SURVEY FOR ADDITIONAL SITE INFORMATION.
3. CONTRACTOR SHALL PROTECT ALL EXISTING PAVEMENTS, FENCING, VEGETATION, SOD, UTILITIES, IRRIGATION EQUIPMENT, AND OTHER SITE INFRASTRUCTURE INDICATED TO REMAIN WITHIN WORK AREAS FROM DAMAGE DURING PROGRESS OF WORK; AND SHALL RESTORE OR REPLACE ALL SUCH ITEMS DAMAGED DURING PROGRESS OF WORK TO MATCH EXISTING.
4. PROTECTIVE VEGETATION BARRIERS SHALL BE PROVIDED IN COMPLIANCE WITH ALL CITY OF CORAL SPRINGS REQUIREMENTS. PROTECTIVE BARRIERS SHALL BE PLACED AROUND EACH TREE OR PALM TO INCLUDE THE ENTIRE AREA WITHIN THE OUTER EDGE OF DRIPLINE OF THE TREE. PROTECTIVE BARRIERS SHALL BE A MINIMUM OF FOUR FEET ABOVE GROUND LEVEL AND SHALL BE CONSTRUCTED AS PER CITY OF FT. LAUDERDALE REQUIREMENTS (SEE DETAIL THIS SHEET), AND SHALL REMAIN IN PLACE UNTIL DEVELOPMENT IS COMPLETED. PROTECTIVE BARRIERS SHALL BE IN PLACE PRIOR TO THE START OF ANY CONSTRUCTION/SITE CLEARING, AND SHALL BE SUBJECT TO INSPECTION BY THE CITY AS A CONDITION OF PERMIT APPROVAL. SEE LANDSCAPE DETAILS.
5. ONLY CLEARING BY HAND IS PERMISSIBLE WITHIN THE DRIPLINE OF TREES DESIGNATED FOR PRESERVATION. THE ROOT SYSTEMS OF TREES SHALL BE PROTECTED AT ALL TIMES. IF ROOTS ARE EXPOSED, THE CONTRACTOR SHALL PROVIDE TEMPORARY EARTH COVER MIXED WITH PEAT MOSS AND WRAPPED WITH BURLAP TO PREVENT EXPOSED ROOTS FROM DRYING OUT BEFORE PERMANENT BACKFILL IS PLACED. THE CONTRACTOR SHALL ALSO WATER, MAINTAIN IN MOIST CONDITION, AND OTHERWISE TEMPORARILY SUPPORT AND PROTECT THE TREE OR ROOT FROM DAMAGE UNTIL THE TREE OR ROOT IS PERMANENTLY COVERED WITH EARTH.
6. NO EXCESS CUT, FILL, EQUIPMENT, BUILDING MATERIALS OR BUILDING DEBRIS SHALL BE PLACED WITHIN THE AREAS SURROUNDED BY PROTECTIVE BARRIERS, NOR SHALL THERE BE DISPOSAL OF ANY WASTE MATERIAL SUCH AS PAINTS, OILS, SOLVENTS, ASPHALT, CONCRETE, MORTAR OR ANY OTHER MATERIAL HARMFUL TO TREES OR UNDERSTORY PLANTS WITHIN THE AREAS SURROUNDED BY PROTECTIVE BARRIERS.
7. ALL LANDSCAPE WORK SHALL BE COORDINATED WITH OTHER DISCIPLINES AS REQUIRED THROUGHOUT DURATION OF WORK.
8. CONTRACTOR SHALL PROTECT AND MAINTAIN RELOCATED TREES IN A HEALTHY GROWING CONDITION FOR A PERIOD OF AT LEAST ONE (1) YEAR. CONTRACTOR SHALL PROVIDE MAINTENANCE AS MAY BE REQUIRED, INCLUDING STAKING, WATERING, AND PRUNING TO ENSURE OVERALL HEALTH OF TREES.
9. ANY TREE THAT SHOULD DIE, OR IS OTHERWISE FOUND TO BE UNACCEPTABLE TO THE LANDSCAPE ARCHITECT/ OWNER WITHIN THE REQUIRED MAINTENANCE PERIOD AFTER FINAL INSTALLATION, SHALL BE REMOVED AND REPLACED BY THE CONTRACTOR WITH EQUAL OR BETTER PLANT MATERIALS AND THE SITE SHALL BE RESTORED AT NO ADDITIONAL COST TO OWNER.

DEPARTMENT OF SUSTAINABLE DEVELOPMENT – UDEP

TREE PROTECTION DETAIL

Rev. 1 | Revision Date: 4/13/2018 | I.D. Number: 170



TREE PROTECTION DETAIL

N.T.S.

Tree Inventory

Tree Number	Botanical Name	Common Name	DBH (inches)	Canopy (feet)	Height/ Clear Trunk (feet)	Condition Rating	Disposition	Class Rating	Mitigation	Caliper Replacement Required (inches)
1	[illegible]	[illegible]	1	10	15	0%	REMOVE			
2	[illegible]	[illegible]	10	15	40	0%	REMOVE			
3	[illegible]	[illegible]	11	15	40	0%	REMOVE			
4	[illegible]	[illegible]	11	15	40	0%	REMOVE			
5	[illegible]	[illegible]	11	15	5	0%	REMOVE			
6	[illegible]	[illegible]	11	15	5	0%	REMOVE			
7	[illegible]	[illegible]	11	70	23	0-5%	REMOVE	F	10 x 1	9
8	[illegible]	[illegible]	10	20	22	0%	REMOVE			
9	[illegible]	[illegible]	1	12	23	0%	REMOVE			
10	[illegible]	[illegible]	1	12	23	0%	REMOVE			
11	[illegible]	[illegible]	1	12	20	0%	REMOVE			
12	[illegible]	[illegible]	20	30	30	0%	REMOVE			
13	[illegible]	[illegible]	28	30	18	0-5%	REMOVE	F	18 x 28	9
14	[illegible]	[illegible]	22	10	7	70%	REMOVE			
15	[illegible]	[illegible]	1	12	12	0%	REMOVE	C	20 x 10 x 10	4
16	[illegible]	[illegible]	10	10	22	0%	REMOVE	A	100 x 10 x 10	10
17	[illegible]	[illegible]	20	12	5	0%	REMOVE			
18	[illegible]	[illegible]	10	12	22	0%	REMOVE			
19	[illegible]	[illegible]	12	20	40	0%	REMOVE	C	40 x 12 x 10	5
20	[illegible]	[illegible]	10	12	20	0%	REMOVE			
21	[illegible]	[illegible]	12	70	20	0%	REMOVE	A	100 x 12 x 10	12
22	[illegible]	[illegible]	7	10	22	0%	PROTECT	A		
23	[illegible]	[illegible]	8	12	22	0%	REMOVE	A	110 x 8 x 10	8
24	[illegible]	[illegible]	10	70	16	0%	REMOVE	A	110 x 10 x 10	8
25	[illegible]	[illegible]	12	70	22	0%	PROTECT	A		
26	[illegible]	[illegible]	11	10	5	0%	REMOVE			
27	[illegible]	[illegible]	10	10	5	0%	REMOVE			
28	[illegible]	[illegible]	11	10	12	0%	REMOVE			
29	[illegible]	[illegible]	11	10	12	0%	REMOVE			
30	[illegible]	[illegible]	21	10	16	0%	PROTECT	A		
31	[illegible]	[illegible]	14	12	27	0%	PROTECT	A		
32	[illegible]	[illegible]	10	10	10	0%	REMOVE	C	10 x 10 x 10	5
33	[illegible]	[illegible]	1	10	10	0%	CAN REMOVE	B	10 x 10 x 10	5

Tree Inventory

Tree Number	Botanical Name	Common Name	DBH (inches)	Canopy (feet)	Height/ Clear Trunk (feet)	Condition Rating	Disposition	Class Rating	Mitigation	Caliper Replacement Required (inches)
34	[illegible]	[illegible]	11	12	10	0%	REMOVE			
35	[illegible]	[illegible]	25	45	40	0%	PROTECT	A		
36	[illegible]	[illegible]	15	25	22	0%	REMOVE	A	150 x 20 x 10	12
37	[illegible]	[illegible]	7	12	8	0%	REMOVE			
38	[illegible]	[illegible]	8	12	8	0%	CAN REMOVE	C	100 x 8 x 10	2
39	[illegible]	[illegible]	12	25	18	0%	REMOVE	A	150 x 10 x 10	9
40	[illegible]	[illegible]	10	12	12	50%	REMOVE			
41	[illegible]	[illegible]	22	12	7	50%	REMOVE			
42	[illegible]	[illegible]	22	12	8	50%	REMOVE			
43	[illegible]	[illegible]	9	15	12	80%	REMOVE	B	10 x 10 x 10	5
44	[illegible]	[illegible]	11	25	22	50%	REMOVE	A	110 x 10 x 10	10
45	[illegible]	[illegible]	11	25	22	70%	REMOVE	A	110 x 10 x 10	9
46	[illegible]	[illegible]	6	15	22	60%	REMOVE			
47	[illegible]	[illegible]	6	15	25	70%	REMOVE			
48	[illegible]	[illegible]	9	15	22	70%	REMOVE			
49	[illegible]	[illegible]	6	6	12	60%	CAN REMOVE	B	10 x 10 x 10	5
50	[illegible]	[illegible]	9	7	5	60%	CAN REMOVE	B	10 x 10 x 10	5
51	[illegible]	[illegible]	9	15	8	60%	REMOVE	A	100 x 10 x 10	8
52	[illegible]	[illegible]	9	23	25	60%	REMOVE	A	110 x 10 x 10	9
53	[illegible]	[illegible]	9	23	22	60%	REMOVE	A	110 x 10 x 10	9
54	[illegible]	[illegible]	10.5	22	22	50%	REMOVE	A	110 x 10 x 10	9
55	[illegible]	[illegible]	4	12	9	60%	CAN REMOVE	B	20 x 10	4
56	[illegible]	[illegible]	15	22	13	50%	CAN REMOVE	B	30 x 10 x 10	11
57	[illegible]	[illegible]	8	12	12	50%	CAN REMOVE	A	100 x 10 x 10	8
58	[illegible]	[illegible]	7	12	12	50%	CAN REMOVE	A	100 x 10 x 10	8
59	[illegible]	[illegible]	7	12	12	50%	CAN REMOVE	A	100 x 10 x 10	8
60	[illegible]	[illegible]	12	12	12	50%	CAN REMOVE	A	100 x 10 x 10	8
61	[illegible]	[illegible]	4	6	6	20%	CAN REMOVE	C	20 x 10 x 10	2
62	[illegible]	[illegible]	3	6	8	25%	CAN REMOVE	C	20 x 10 x 10	1
63	[illegible]	[illegible]	7.5	6	9	75%	CAN REMOVE	C	20 x 10 x 10	1
64	[illegible]	[illegible]	6	6	7	20%	CAN REMOVE	C	10 x 10 x 10	1
65	[illegible]	[illegible]	4	15	9	50%	CAN REMOVE	C	10 x 10 x 10	1
66	[illegible]	[illegible]	12.5	35	25	85%	REMOVE	B	100 x 10 x 10	9

Tree Inventory

Tree Number	Botanical Name	Common Name	DBH (inches)	Canopy (feet)	Height/ Clear Trunk (feet)	Condition Rating	Disposition	Class Rating	Mitigation	Caliper Replacement Required (inches)
67	[illegible]	[illegible]	12	15	8	50%	REMOVE			
68	[illegible]	[illegible]	12	12	12	60%	CAN REMOVE	B	10 x 10 x 10	5
69	[illegible]	[illegible]	7	10	12	50%	REMOVE	B	20 x 10 x 10	4
70	[illegible]	[illegible]	8	25	20	70%	CAN REMOVE	C	100 x 8 x 10	2
71	[illegible]	[illegible]	16	40	30	75%	REMOVE	A	100 x 16 x 10	8
72	[illegible]	[illegible]	20	40	40	75%	REMOVE	A	100 x 20 x 10	20
73	[illegible]	[illegible]	11	11	10	80%	REMOVE			
74	[illegible]	[illegible]	10	15	10	80%	CAN REMOVE	B	10 x 10 x 10	5
75	[illegible]	[illegible]	11	20	10	80%	CAN REMOVE	B	10 x 10 x 10	5
76	[illegible]	[illegible]	10	8	6	90%	REMOVE			
77	[illegible]	[illegible]	2	6	5	60%	CAN REMOVE	C	10 x 2 x 10	1
78	[illegible]	[illegible]	2	6	5	60%	CAN REMOVE	C	10 x 2 x 10	1
79	[illegible]	[illegible]	2	6	5	60%	CAN REMOVE	C	10 x 2 x 10	1
80	[illegible]	[illegible]	2	6	5	60%	CAN REMOVE	C	10 x 2 x 10	1
81	[illegible]	[illegible]	2	6	5	60%	CAN REMOVE	C	10 x 2 x 10	1
82	[illegible]	[illegible]	2	6	5	60%	CAN REMOVE	C	10 x 2 x 10	1
83	[illegible]	[illegible]	2	6	5	60%	CAN REMOVE	C	10 x 2 x 10	1
84	[illegible]	[illegible]	2	6	5	60%	CAN REMOVE	C	10 x 2 x 10	1
85	[illegible]	[illegible]	2	6	5	60%	CAN REMOVE	C	10 x 2 x 10	1
86	[illegible]	[illegible]	2	6	5	60%	CAN REMOVE	C	10 x 2 x 10	1
87	[illegible]	[illegible]	6	12	11	80%	CAN REMOVE	C	10 x 2 x 10	1
88	[illegible]	[illegible]	11	35	22	75%	REMOVE	A	100 x 11 x 10	8
89	[illegible]	[illegible]	8	8	6	50%	REMOVE			
90	[illegible]	[illegible]	7	6	7	60%	CAN REMOVE	C	10 x 7 x 10	1
91	[illegible]	[illegible]	6	6	7	50%	REMOVE	C	10 x 7 x 10	1
92	[illegible]	[illegible]	8	12	4	50%	REMOVE			
93	[illegible]	[illegible]	5	4	8	50%	CAN REMOVE	C	10 x 5 x 10	1
94	[illegible]	[illegible]	4	6	8	50%	REMOVE	C	10 x 5 x 10	1
95	[illegible]	[illegible]	3	4	7	40%	CAN REMOVE	C	10 x 3 x 10	1
96	[illegible]	[illegible]	3	5	4	50%	CAN REMOVE	C	10 x 3 x 10	1
97	[illegible]	[illegible]	20	42	40	90%	REMOVE	A	100 x 20 x 10	10
98	[illegible]	[illegible]	12	15	16	50%	CAN REMOVE	B	10 x 10 x 10	5
99	[illegible]	[illegible]	21	18	11	50%	CAN REMOVE	C	12 x 20 x 10	1

Note: * Indicates a cluster form tree or palm, with Diameter at Breast Height (DBH) by measured approximation; 1 to 3 stems approximately 4 inches or less in diameter, 4 stems and more or clusters.

TOTAL MITIGATION CALIPER INCHES REQUIRED: [illegible]

FDOT Landscape Permit Number 2022-L-491-00010

GRAEF

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FOR THE FIRM: PAOLO FERRERA LA 0667216

PROJECT TITLE:

FT. LAUDERDALE BEACH PUBLIX

2965 NORTH OCEAN BOULEVARD
FT. LAUDERDALE BEACH, FLORIDA 33308

MR. RANDY J. KOLMAN
BRANDON STRUCTURES
[illegible]

FDOT 07/22/2022

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	1/4/23	FIELD REVISION	

PROJECT INFORMATION:

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DATE: 07-10-19
DRAWN BY: P.F.
CHECKED BY: N.H.O.
APPROVED BY: P.F.
SCALE: AS SHOWN

SHEET TITLE:

SITE STOCK SCHEDULE, NOTES AND DETAIL

SHEET NUMBER:

L-1.1

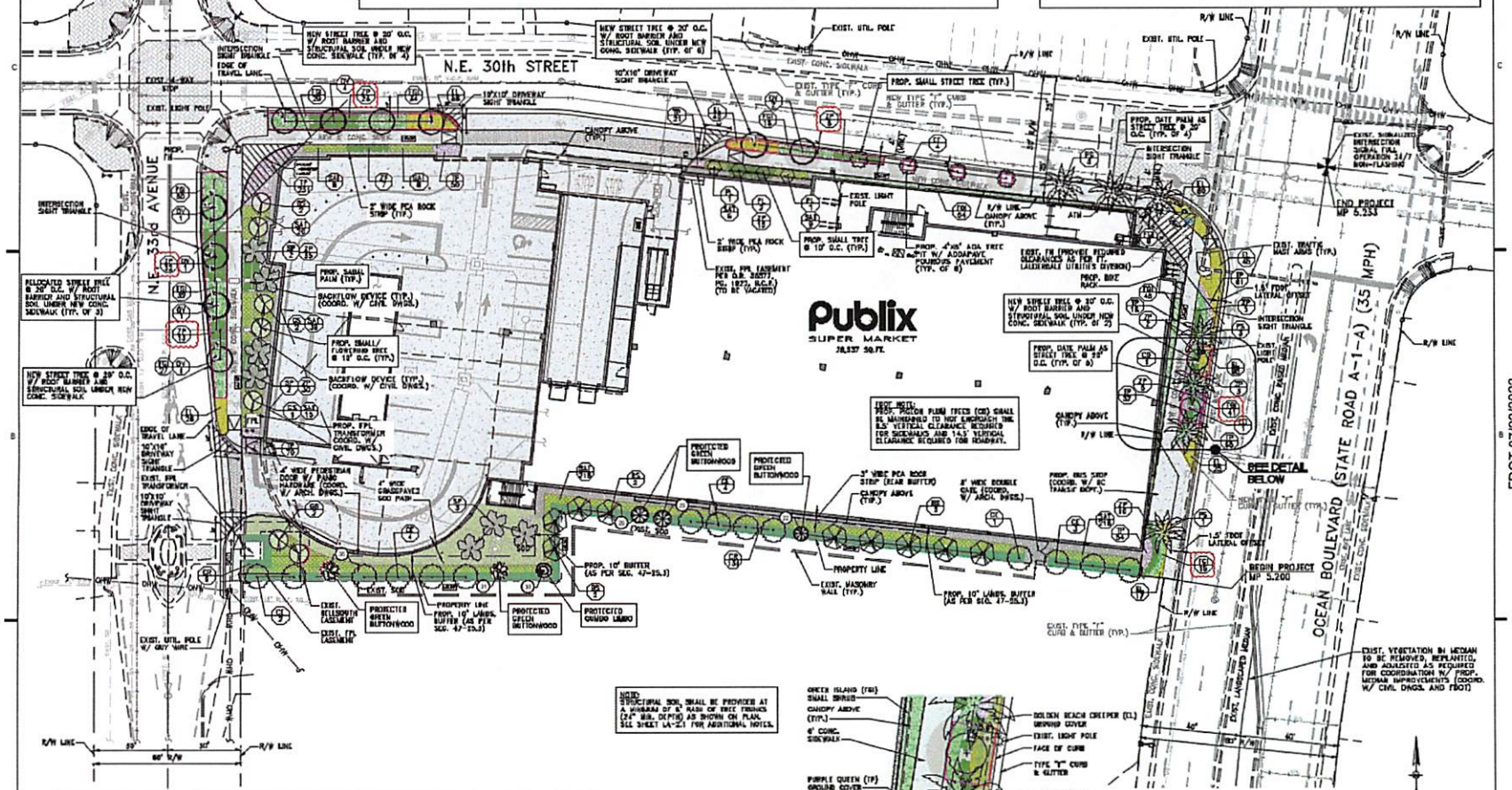
X:\MIA\2019\20197040\Design\Drawings\L-1 TREE DISPOSITION
7/12/2024 12:56 PM

PLANTING LAYOUT NOTES:

1. SEE SHEET SP-1 FOR EXTENT OF PROPOSED RIGHT-OF-WAY DEDICATION.
2. PROVIDE 5' (MIN.) VERTICAL SEPARATION FROM UNDERGROUND UTILITIES FOR ALL NEW TREES/PALMS.
3. ALL STREET TREES/PALMS WITH THEIR CANOPY LOCATED WITHIN THE PUBLIC REALM (CITY ROW) TO BE PROVIDED WITH A CANOPY HEIGHT CLEARANCE OF 8 FEET (MIN.).
4. PROVIDE 4' (MIN.) HORIZONTAL SEPARATION FROM TRAVEL LANE FOR ALL NEW STREET TREES/PALMS WITHIN CITY ROW (N.E. 30TH ST/ N.E. 33RD AVE).
5. MAINTAIN 6' (MIN.) CLEAR CANOPY/HORIZONTAL SEPARATION FROM ALL STREET TREES TO BUILDING.
6. NO TRUNCK OF TREES OR PALMS SHALL BE INSTALLED WITHIN FDOT CLEAR SIGHT TRIANGLE.
7. ALL STREET TREES/PALMS WITH THEIR CANOPY ENCROACHING INTO FDOT CLEAR SIGHT TRIANGLE TO BE PROVIDED WITH A CANOPY HEIGHT CLEARANCE OF 8.5 FEET (MIN.).
8. PROVIDE 4' (MIN.) HORIZONTAL SEPARATION FROM FACE OF CURB FOR ALL NEW STREET TREES/PALMS WITHIN FDOT ROW (N.E. A-1-A).
9. ALL GROUND COVERS LOCATED WITHIN FDOT CLEAR SIGHT TRIANGLE SHALL BE MAINTAINED AT HEIGHT OF 18 INCHES OR LESS.

NEIGHBORHOOD COMPATIBILITY NOTES:

1. IT IS THE INTENT OF THESE DRAWINGS TO COMPLY WITH ALL APPLICABLE NEIGHBORHOOD REQUIREMENTS FOR LANDSCAPE PLANNING AS FOLLOWS:
   1.1. PROPOSED PLANTINGS ARE CONSISTENT WITH THE PROPOSED USE, ADJACENT DEVELOPMENT, AND AS REQUIRED UNDER SECTION 47-12 OF THE ULDR.
   1.2. EXISTING TREES ARE PRESERVED OR OTHERWISE MITIGATED AS OUTLINED IN THE ORDINANCE. PLANT MATERIAL IS USED IN A CONTEMPORARY URBAN CONTEXT, ACKNOWLEDGES THE LIMITATIONS OF THE BEACH ENVIRONMENT, AND CREATES A LUSH TROPICAL ENVIRONMENT IN KEEPING WITH THE VISUAL QUALITY OF THE BEACH AND ADJOINING PUBLIC CORRIDORS. PLANT MASSINGS ARE RICH IN MATERIAL, WITH EMPHASIS ON THE GROUND PLANE TREATMENT. COLOR IS USED IN BOLD, MASSIVE STATEMENTS WHERE APPROPRIATE.



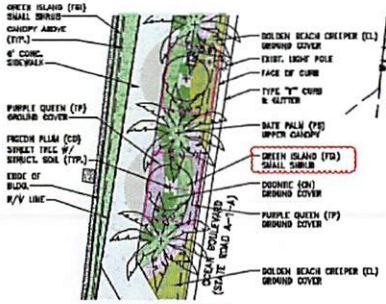
NOTE:
STRUCTURAL SOIL SHALL BE PROVIDED AT A MINIMUM OF 6' MAIN OF TREE TRENCH (24" MIN. DEPTH) AS SHOWN ON PLAN. SEE SHEET LA-2.1 FOR ADDITIONAL NOTES.

PLANTING LEGEND

- EXISTING TREE/PALM TO BE PROTECTED AND PRUNED AS REQUIRED FOR INSTALLATION OF PROPOSED IMPROVEMENTS. SEE SITE STOCK SCHEDULE.
- RELOCATED TREE/PALM. SEE TREE DISPOSITION PLAN. SEE SITE STOCK SCHEDULE.
- PROPOSED SMALL/FLOWERING TREE SEE LANDSCAPE SCHEDULE
- PROPOSED SHADE TREE SEE LANDSCAPE SCHEDULE
- PROPOSED PALM SEE LANDSCAPE SCHEDULE
- PROPOSED ROOT BARRIER
- PROPOSED SHRUBS AND GROUND COVERS
- LANDSCAPE SCHEDULE KEY & QUANTITY
- HATCH AREA INDICATES EXTENT OF STRUCTURAL SOIL. SEE CIVIL DWGS.

LANDSCAPE PLAN

SCALE: 1" = 20'



PLANTING DETAIL

SCALE: 1" = 10'

0 10' 20' 40'
SCALE: 1" = 20'

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FDOT Landscape Permit Number 2022-L-491-00010

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SEAL / SIGNATURE:

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FOR THE FIRM: PAOLO FERRERA LA 6667210

PROJECT TITLE:

FT. LAUDERDALE BEACH PUBLIX

2985 NORTH OCEAN BOULEVARD
FT. LAUDERDALE BEACH, FLORIDA 33308

MR. RANDY J. KOLMAN
BRANCH STRUCTURES
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FDOT 07/22/2022

ISSUE:

NO.	DATE	REVISIONS	BY
1	1/13/22	BD COMMENTS	
	4/14/22	FDOT COMMENTS	
	4/29/22	BD COMMENTS	
	5/9/22	BCTD COMMENTS	
	6/6/22	ADDRESS COMMENTS	
	7/22/22	FDOT COMMENTS	
	9/6/22	BD COMMENTS	
	1/4/23	FIELD REVISION	
	3/21/23	FIELD REVISION	
	5/10/24	FDOT MMOA	

PROJECT INFORMATION:

PROJECT NUMBER:	20197040
DATE:	07-10-19
DRAWN BY:	P.F.
CHECKED BY:	N.H.O.
APPROVED BY:	P.F.
SCALE:	AS SHOWN

SHEET TITLE:

LANDSCAPE PLAN

SHEET NUMBER:

L-2.0

X:\MIA\2019\20197040\Design\Drawings\L-A-2 PLANTING
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LANDSCAPE REQUIREMENTS (AS PER SECTION 47-21)

CATEGORY	DESCRIPTION	REQUIRED	PROVIDED
ZONING DISTRICT	CB (CONÑAMBY BUSINESS) ABD	LANDSCAPE REQUIREMENTS: 1, 2, 7, 8, 10, 16	
SITE AREA	GROSS LOT AREA LESS ROW DEDICATION	GROSS LOT AREA (81,942 SF) - ROW DEDICATION (1,500 SF)	80,442 SF (NET SITE AREA)
NET LOT AREA	THE TOTAL SQUARE FOOTAGE OF A PARCEL OF LAND AFTER SUBTRACTING THE SQUARE FOOTAGE AREA OF ANY VEHICULAR USE AREA INCLUDING THE VUA REQUIRED LANDSCAPING, BUILDING FOOTPRINT, MALLS, WALKS AND SIMILARLY PAVED OR ANY OTHER IMPERVIOUS AREA		80,942 SF (NET SITE AREA) -72,314 SF (IMPERVIOUS) - 540 SF (VUA LANDSCAPE) = 7,628 SF (NET LOT AREA)
VEHICULAR USE AREA (VUA)	AS PER DRC REVIEW COMMENTS (PLA-SITE-191100042) VEHICLE USE AREA CALCULATION IS BASED AT GROUND LEVEL EXPOSED TO THE SKY. PARKING THAT IS ELEVATED ABOVE GROUND IS NOT CALCULATED.	LANDSCAPING SHALL BE PROVIDED IN A SQUARE FOOTAGE AREA EQUAL TO A MINIMUM OF TWENTY PERCENT (20%) OF THE GROSS VUA. THIS SQUARE FOOTAGE SHALL ADJOIN AND EXTEND NO FURTHER THAN TEN (10) FEET AWAY FROM A VUA. THE LANDSCAPE AREA REQUIRED FROM A VUA SHALL CONSIST OF PERIMETER, PERIMEILAR AND INTERIOR LANDSCAPE.	GROSS VUA AREA = 8132 SF REQUIRED / PROVIDED VUA LANDS. = 1627 SF / 540 SF (20% GROSS VUA)
VEHICULAR USE PLANTING	THE LANDSCAPE AREA DIRECTLY ADJOINING THE PERIMETER OF A VUA AND WITHIN TWENTY-EIGHT (28) FEET OF THE PROPERTY LINE.	ONE (1) TREE AND SIX (6) SHRUBS SHALL BE REQUIRED FOR EVERY ONE THOUSAND (1,000) SQUARE FEET, OR FRACTION THEREOF, OF VUA.	GROSS VUA AREA = 8132 SF REQUIRED / PROVIDED TREES = 1 / 1 SHRUBS = 6 / 6
TOTAL PARKING SPACES			118
PERIMETER LANDSCAPE AREA	THAT LANDSCAPE AREA LOCATED WITHIN A VEHICULAR USE AREA, FURTHER THAN TWENTY-EIGHT (28) FEET FROM THE PERIMETER AND NOT ATTACHED TO THE PERIMETER LANDSCAPE AREA.	ALONG THE PERIMETER OF A PARCEL OF LAND WHICH ABUTS A STREET, EXCLUSIVE OF VEHICULAR ACCESS POINTS, A PERIMETER LANDSCAPE AREA SHALL BE PROVIDED. THE DEPTH OF THE PERIMETER LANDSCAPE AREA SHALL BE A MINIMUM OF FIVE (5) FEET. A MAXIMUM OF TWENTY-FOUR (24) FEET, AND AN AVERAGE OF TEN (10) FEET. THE TEN (10) FEET OF PERIMETER LANDSCAPE AREA CLOSEST TO THE VUA MAY BE COUNTED AS PART OF THE TWENTY PERCENT (20%) MINIMUM VUA LANDSCAPE REQUIREMENT.	PERIMETER LANDSCAPE = 7,778 SF AVG. DEPTH = 9 FT MAX. DEPTH = 20 FT
INTERIOR LANDSCAPE AREA		AT LEAST THIRTY (30) SQUARE FEET OF INTERIOR LANDSCAPE AREA SHALL BE PROVIDED FOR EVERY INTERIOR PARKING AND LOADING SPACE AND SHALL NOT BE PART OF ANY PERIMETER LANDSCAPE AREA.	NOT APPLICABLE
PENINSULAR AND ISLAND LANDSCAPE AREAS			NOT APPLICABLE
LANDSCAPE REQUIREMENTS FOR CB ZONED DISTRICTS	LANDSCAPE REQUIREMENT: 1	THERE SHALL BE AT LEAST ONE (1) TREE FOR EACH ONE THOUSAND (1,000) SQUARE FEET OF NET LOT AREA OR PORTION THEREOF. THIS TREE PLANTING REQUIREMENT IS IN ADDITION TO THE VUA LANDSCAPING REQUIREMENTS. TWENTY (20) PERCENT OF THE TREES SHALL BE SHADE TREES.	NET LOT AREA = 80,942 SF REQUIRED / PROVIDED TREES = 8 / 8 (1) TREE X (8) (CB, SITE SIZE) SHADE TREES = 2 / 8 (20% TREES)
	LANDSCAPE REQUIREMENT: 2	WHEN THE PARCEL OF LAND INCLUDES OUTSTREET PARKING FOR OTHER THAN A ONE FAMILY DWELLING, VUA LANDSCAPING SHALL BE REQUIRED IN ACCORDANCE WITH THIS SECTION.	VUA LANDSCAPING IS PROVIDED
	LANDSCAPE REQUIREMENT: 7 AND 8	NOT APPLICABLE	
	LANDSCAPE REQUIREMENT: 10	AT LEAST FORTY PERCENT (40%) OF ALL REQUIRED TREES SHALL CONSIST OF NATIVE SPECIES. IN NONRESIDENTIAL ZONING DISTRICTS LYING EAST OF THE INTRACOASTAL WATERWAY, IF ANY PORTION OF A DEVELOPMENT SITE IS ACROSS A RIGHT-OF-WAY FROM A DEVELOPMENT SITE WITH RESIDENTIAL ZONING OR A RESIDENTIAL USE, SHADE TREES SHALL BE REQUIRED ALONG THE RIGHT-OF-WAY ADJOINING THE SIDE OF THE DEVELOPMENT SITE ACROSS FROM THE RESIDENTIAL ZONED OR USED SITE.	TOTAL TREES/PALMS ON-SITE = 47 REQUIRED / PROVIDED NATIVE TREES/ = 18 / 47 PALMS SHADE TREES ALONG ROW ACROSS FROM RESIDENTIAL DEVELOPMENT ARE PROVIDED.
	LANDSCAPE REQUIREMENT: 16	STREET TREES. IN ORDER TO PROVIDE FOR ADEQUATE LANDSCAPING ALONG STREETS WITHIN THE CITY, STREET TREES SHALL BE REQUIRED ALONG THE LENGTH OF THE PROPERTY ABUTTING A STREET. REQUIRED STREET TREES SHALL BE PLANTED IN AN AREA LOCATED BETWEEN THE ROADWAY AND THE PROPERTY LINE. WHERE SUCH A PLANTING STRIP DOES NOT EXIST OR IS IMPRACTICAL TO PROVIDE, STREET TREES MAY BE LOCATED ON A PROPERTY PLANTING AREA WHERE THIS PERIMETER LANDSCAPING AREA ADJOINS THE STREET RIGHT-OF-WAY. A MINIMUM OF FIFTY PERCENT (50%) OF THE REQUIRED STREET TREES SHALL BE SHADE TREES, AND THE REMAINING STREET TREES MAY BE PROVIDED AS FLOWERING OR PALM TREES. STREET TREES SHALL BE PROVIDED AT A RATIO OF ONE STREET TREE PER FORTY (40) FEET OF STREET FRONTAGE, OR GREATER THEREOF, OR SUCH OTHER REASONABLE HARMONY AND CURBS DIMENSIONS. WHERE OVERHEAD UTILITIES EXIST, REQUIRED STREET TREES MAY BE SMALL TREES PROVIDED AT A RATIO OF ONE STREET TREE FOR TWENTY (20) FEET OF STREET FRONTAGE.	STREET FRONTAGE = 668.67 LF REQUIRED / PROVIDED STREET TREES = 16 / 25 (668.67 LF/40) SHADE TREES = 9/ 17 (50% MIN.) PALMS AS STREET TREES = 8 8 LARGE PALMS (MAX)
ADDITIONAL LANDSCAPE REQUIREMENTS FOR SPECIAL USES AND DISTRICTS	PARKING GARAGES	A. STRUCTURES WHICH ENCLOSE PARKING SHALL PROVIDE A LANDSCAPE AREA BETWEEN THE STREET AND THAT PORTION OF STRUCTURE ENCLOSING THE PARKING UTILIZING TREES AND GROUND COVER. THE MINIMUM SQUARE FOOTAGE OF THE LANDSCAPE AREA TO BE PROVIDED SHALL BE DETERMINED BY MULTIPLYING BY FIVE (5) THE LINEAL STREET FRONTAGE OF THE PARCEL OF LAND UPON WHICH THE PARKING GARAGE IS LOCATED, AND ADDING FOUR HUNDRED (400) SQUARE FEET FOR EACH CORNER OF THE PARCELS ADJACENT TO A STREET.	GARAGE STREET FRONTAGE = 155 LF (EXCLUDES DRIVEWAYS) REQUIRED / PROVIDED LANDS. AREA = 1,375 SF / 1,600 SF (155 SF X 5 + 400 SF)
	BUFFERYARD	THE TREE REQUIREMENTS FOR THE BUFFERYARD ARE IN ADDITION TO TREES REQUIRED TO BE INSTALLED TO COMPLY WITH GENERAL TREE PLANTING REQUIREMENTS AND TREES REQUIRED FOR A VUA AND INCLUDE A MINIMUM OF ONE (1) TREE FOR EVERY THREE HUNDRED (300) SQUARE FEET OR FRACTION THEREOF OF BUFFERYARD AREA. TREES SHALL BE EIGHT TYPES OBTAINING A FIFTEEN-FOOT MINIMUM HEIGHT AT MATURITY AS LISTED IN THE TABLE OF TREE EVALUATION AND DEMOCOTS OBTAINING A TWELVE-FOOT MINIMUM HEIGHT AT MATURITY. THE SPECIES MIX SHALL BE AT LEAST TWO-THIRDS (2/3) EVERTS. LANDSCAPE STRIP REQUIREMENTS: A TEN (10) FOOT LANDSCAPE STRIP SHALL BE REQUIRED TO BE LOCATED ALONG ALL PROPERTY LINES WHICH ARE ADJACENT TO RESIDENTIAL PROPERTY. SUCH LANDSCAPE STRIP SHALL INCLUDE TREES, SHRUBS AND GROUND COVER. THE WIDTH OF THE LANDSCAPE AREA SHALL EXTEND TO THE PROPERTY LINE.	BUFFERYARD IS PROVIDED ALONG SOUTHERN SITE PERIMETER BUFFERYARD LANDS. AREA = 3,967 SF ADDITIONAL TREES REQUIRED = 14 ADDITIONAL TREES PROVIDED = 39 *TREES THERE COUNTED AS LANDSCAPE REQUIREMENT # (4 TREES)

LANDSCAPE SCHEDULE

KEY	DESCRIPTION	CATEGORY	TREE CLASS	NATIVE	SALT TOLERANCE	WATER USE	DESIGNATION	QUANTITY	TOTAL DBH	NOTE
BS	BURSERA SIMARUBA GUMBO LIMBO 18'HT/ 6"SPRD/ 4"DBH	LARGE SHADE TREE	A	YES	HIGH	LOW	REAR BUFFER	9 MATCH	36"	MAINTAIN 8' CLEAR CANOPY TO ELEV.
CD	DODECOLOBA DIVERSIFOLIA PIGEON PLUM 18'HT/ 6"SPRD/ 4"DBH STANDARD 8.5' (MIN.) CLEAR CANOPY HEIGHT	MEDIUM SHADE TREE		YES	HIGH	LOW	STREET TREE (ULR. A1A)	2 MATCH	8"	MAINTAIN 8' CLEAR CANOPY TO ELEV.
CE	CONOCARPUS ERECTUS GREEN BUTTONWOOD 18'HT/ 6"SPRD/ 4"DBH	LARGE SHADE TREE	A	YES	HIGH	LOW	REAR BUFFER	14 MATCH	56"	MAINTAIN 8' CLEAR CANOPY TO ELEV.
CES	CONOCARPUS ERECTUS "SERICEUS" SILVER BUTTONWOOD 14'HT/ 24"SPRD/ 36"OC			YES	HIGH	LOW	NOT USED	N/A		N/A
CR	CLUSIA ROSEA PITCH APPLE 30"HT/ 30"SPRD/ 7G/ FULL/ 36"OC	SHRUB		YES	HIGH	LOW	PERIMETER	148		MAINTAIN 4'-5' HT FULL SHRUB
EP	EUGENIA PORTOLA BRAZILIAN CHERRY 16'HT/ 5"SPRD/ 3"CLPR STANDARD 8' (MIN.) CLEAR TRUNK	SMALL SHADE TREE		YES	HIGH	LOW	STREET TREE (ULR. 30TH ST.)	4 MATCH	12"	MAINTAIN 8' CLEAR CANOPY TO ELEV.
EL	ENNODEA LITTORALIS GOLDEN BEACH CREEPER 12"HT/ 18"SPRD/ 3G/ 18"OC	GROUND COVER		YES	HIGH	LOW	VUA/PERIMETER NON DEDICATION	265		MAINTAIN BELOW 18" HT
FEE	FICUS MICROCARPA CV GREEN ISLAND GREEN ISLAND FICUS 18"HT/ 18"SPRD/ 24"OC	SMALL SHRUB		NO	HIGH	LOW	NON/PERIMETER	265		MAINTAIN 24" HT
GS	GUAIACUM SANCTUM LIGNUM VITAE 10"HT/ 2"SPRD/ 3"CLPR	SMALL SHADE TREE/ FLOWERING TREE		YES	HIGH	LOW	PERIMETER	5 MATCH	12"	
PL	POLYALTHIA LONGIFOLIA PENDULA MAST TREE 16"HT/ 5" SPRD/ 3"DBH SINGLE	SMALL SHADE TREE	A	NO	MED	LOW	VUA/PERIMETER	4 MATCH	12"	
PS	PHOENIX SYLVESTRIS SYLVESTER DATE PALM 10' CLEAR STRAIGHT TRUNK 8.5' (MIN) CLEAR CANOPY HEIGHT	LARGE PALM		NO	HIGH	LOW	STREET TREE NON DEDICATION	7 MATCH		MAINTAIN FDOT CLEAR SIGHT
QV	QUERCUS VIRGINIANA LIVE OAK 18'HT/ 6"SPRD/ 4"DBH 9' (MIN.) CLEAR TRUNK	LARGE SHADE TREE	A	YES	HIGH	LOW	STREET TREE	10 MATCH	40"	MAINTAIN 8' CLEAR CANOPY TO ELEV.
SAT	SCHEFFLERA ARBORICOLA CV TRINETTE VARIEGATED ARBORICOLA 24"HT/ 24"SPRD/ 36"OC	SHRUB		NO	HIGH	LOW	NON/PERIMETER	323		MAINTAIN 36" HT
SOD	STENOTAPHRUM SECUNDATUM PALMETTO SAINT AUGUSTINE GRASS SOD FLATS AND PLUGS	SOD		NO	MED	HIGH	NON/PERIMETER	ON-SITE: 1,250 SF		REPLACE ALL SOD DAMAGED IN SOD
SP	SABAL PALMETTO DARBONE PALM 14'HT/ STRAIGHT/ BOOTED	PALM		YES	HIGH	LOW	PERIMETER	7 MATCH		
TP	TRADESCANTIA PALLIDA "PURPUREA" PURPLE QUEEN 12"HT/ 12"SPRD/ 12"OC	GROUND COVER		NO	MED	LOW	PERIMETER	528		MAINTAIN BELOW 18" HT
ZP	ZAMIA PUMILA COCONTIE 24"HT/ 24"SPRD/ 30"OC	GROUND COVER		YES	HIGH	LOW	NON/PERIMETER	191		

NOTES:
1. ALL STREET TREES/PALMS WITH THEIR CANOPY LOCATED WITHIN THE PUBLIC REALM (CITY ROW) TO BE PROVIDED WITH A CANOPY HEIGHT CLEARANCE OF 6 FEET (MIN.).
2. ALL STREET TREES/PALMS WITH THEIR CANOPY ENCROACHING INTO FDOT CLEAR SIGHT TRIANGLE TO BE PROVIDED WITH A CANOPY HEIGHT CLEARANCE OF 8.5 FEET (MIN.).
3. ALL GROUND COVERS LOCATED WITHIN FDOT CLEAR SIGHT TRIANGLE SHALL BE MAINTAINED AT HEIGHT OF 18 INCHES OR LESS.
4. ALL SHRUB AND GROUNDCOVER QUANTITIES ARE APPROXIMATE. CONTRACTOR SHALL FILL ENTIRE PLANTING AREAS AS INDICATED ON PLAN.

LANDSCAPE NOTES

1. ALL TREE SCHOOLS, TREE PRUNING, TREE RELOCATION AND PLANTING WORK WORK SHALL BE PERFORMED IN COMPLIANCE WITH APPLICABLE REQUIREMENTS OF CONFORMING ORDINANCES OF CONFORMING JURISDICTIONS, INCLUDING CITY OF FT. LAUDERDALE, BROWARD COUNTY, FPL, AND LATEST ANSI A300 STANDARDS. ALL TREE SERVICES WORKING WITHIN FORT LAUDERDALE SHALL HAVE A CURRENT BROWARD TREE TRIMMER LICENSE AND COMPLY WITH ALL APPLICABLE BROWARD TREE TRIMMER LICENSE REGULATIONS.
2. ALL NEW TREES AND PALMS SHALL BE FLORIDA GRADE No. 1 OR BETTER.
3. SEE SURVEY FOR ADDITIONAL SITE INFORMATION. SEE SHEET SP-1 FOR EXTENT OF PROP. RIGHT-OF-WAY DEDICATION.
4. CONTRACTOR SHALL PROTECT ALL EXISTING PAVEMENTS, FENCING, VEGETATION, SOD, IRRIGATION, IRRIGATION EQUIPMENT, AND OTHER SITE INFRASTRUCTURE INDICATED TO REMAIN WITHIN WORK AREAS. FROM DAMAGE DURING PROGRESS OF WORK, AND SHALL REPAIR OR REPLACE ALL SUCH ITEMS DAMAGED DURING PROGRESS OF WORK TO MATCH EXISTING. CONTRACTOR SHALL PROVIDE NEW SOD, GROUND COVERS OR SHRUBS TO MATCH EXISTING DURING THE ALL AREAS AFFECTED BY TREE REMOVAL AND RELOCATION WORK.
5. TREES RETAINED ON A SITE SHALL BE PROTECTIVELY BARRICADED BEFORE AND DURING CONSTRUCTION ACTIVITIES AS APPROVED BY THE CITY OF FT. LAUDERDALE DEPARTMENT OF SUSTAINABLE DEVELOPMENT'S BUILDING SERVICES. A SURETY PERFORMANCE ASSURANCE INSTEAD OF OR IN ADDITION TO A PROTECTIVE BARRICADE, MAY BE REQUIRED TO ENSURE PROTECTION OF A TREE OR TREES OR TO GUARANTEE RESTORATION OF AN EQUIVALENCY. THE AMOUNT OF SAID ASSURANCE SHALL BE BASED UPON THE EQUIVALENT VALUE OF THE TREE OR TREES SPECIFICALLY COVERED. ANY ASSURANCE REQUIRED FOR A "PROTECTED TREE" SHALL BE FOUR (4) TIMES THE EQUIVALENT VALUE FOR THAT TREE.
6. ALL LANDSCAPE WORK SHALL BE COORDINATED WITH OTHER DISCIPLINES AS REQUIRED THROUGHOUT DURATION OF WORK.
7. CONTRACTOR SHALL GUARANTEE RELOCATED TREES IN PUBLIC RIGHT-OF-WAY FOR A PERIOD OF AT LEAST TWO (2) YEARS. CONTRACTOR SHALL PROVIDE MAINTENANCE AS MAY BE REQUIRED; INCLUDING STAKING, WATERING, AND PRUNING TO ENSURE OVERALL HEALTH OF TREES.
8. CONTRACTOR SHALL GUARANTEE NEWLY INSTALLED TREES FOR A PERIOD OF AT LEAST ONE (1) YEAR. CONTRACTOR SHALL PROVIDE MAINTENANCE AS MAY BE REQUIRED; INCLUDING STAKING, WATERING, AND PRUNING TO ENSURE OVERALL HEALTH OF TREES.
9. ANY TREE THAT DIES OR IS OTHERWISE FOUND TO BE UNACCEPTABLE TO THE LANDSCAPE ARCHITECT/ OWNER WITHIN THE REQUIRED MAINTENANCE PERIOD AFTER FINAL INSTALLATION, SHALL BE REMOVED AND REPLACED BY THE CONTRACTOR WITH EQUAL OR BETTER PLANT MATERIAL, AND THE SITE SHALL BE RESTORED AT NO ADDITIONAL COST TO OWNER.
10. PROVIDE DYE-FREE MULCH FROM MELALEUCA, EUCALYPTUS, AUSTRALIAN PINE, OR OTHER NON-ELIE GROWTH HARDWOOD FOR ALL PLANTED AREAS UNLESS NOTED OTHERWISE. A LAYER OF CREAMY MULCH TWO (2) INCHES DEEP IS REQUIRED IN PLANT BEDS, EXCEPT ANNUAL BEDS, AND INDIVIDUAL TREES IN IMPERVIOUS AREAS. MULCH RING SHALL EXTEND AT LEAST THREE (3) FEET AROUND UNDERGROUND TREES AND SHRUBS. MULCH SHALL BE AT LEAST SIX (6) INCHES AWAY FROM ANY PORTION OF A BUILDING OR STRUCTURE, OR THE TRUNKS OF TREES, AND AT LEAST THREE (3) INCHES AWAY FROM THE BASE OF SHRUBS.
11. NO STRUCTURE OR PLANTING SHALL EXCEED 30 INCHES IN HEIGHT WITHIN SAFETY SIGHT TRIANGLES.
12. LANDSCAPE MATERIALS PLANTED ADJACENT TO TRAVEL LANE SHALL BE PLANTED WITH A MINIMUM 4 FEET (MIN.) SEPARATION BETWEEN CURB AND GUTTER ARE PRESENT.
13. SHADE TREES INSTALLED WITHIN 8 FEET OF PUBLIC INFRASTRUCTURE SHALL UTILIZE A ROOT BARRIER SYSTEM. ALL SHADE TREES INSTALLED WITHIN 8 FEET FROM FACE OF CURBS SHALL UTILIZE A ROOT BARRIER SYSTEM.
14. ALL PLANT BEDS SHALL BE EXCAVATED TO A MINIMUM DEPTH OF TWENTY-FOUR (24) INCHES AND BACK-FILLED WITH A SUITABLE MIX CONSISTING OF FIFTY PERCENT (50%) COMPOSTED ORGANIC MATTER, WELL-MIXED WITH NATIVE SOIL. BACKFILL MATERIAL SHALL BE FREE FROM ROCK, CONSTRUCTION DEBRIS, OR OTHER EXTRANEOUS MATERIAL. PLANTING BEDS SHALL BE FREE FROM CONSTRUCTION DEBRIS.

STRUCTURAL SOIL NOTES

1. CONTRACTOR SHALL PROVIDE CU-STRUCTURAL SOIL WHERE INDICATED ON PLAN AND SHALL CONFORM WITH CU-SOIL AS PATENTED BY CORNELL UNIVERSITY, PATENT #5,466,645. CU-SOIL IS A MIXTURE OF CRUSHED STONE, CLAY LOAM AND HYDROGEL WHICH IS A POLYMERIC PROPRIETARY-PREPARATION COMPOUNDER.
2. THE THREE COMPONENTS OF THE STRUCTURAL SOIL ARE MIXED IN THE FOLLOWING PROPORTIONS BY WEIGHT, CRUSHED STONE 80%; CLAY LOAM 20%; HYDROGEL 0.6%. TOTAL MOISTURE AT MIXING SHOULD BE 10% (ASTM D-698 OPTIMUM MOISTURE).
   2.1. CRUSHED LIMESTONE SHALL BE RAPHOLY GRADED FROM 3/4 - 1 1/2 INCH, HIGHLY ANGULAR WITH NO FINES. THE CLAY LOAM SHALL CONFORM TO THE USDA SOIL CLASSIFICATION SYSTEM (GRAVEL <5%, SAND 20-52%, SILT 30-40%, CLAY 20-35%). ORGANIC MATTER SHALL RANGE BETWEEN 2% AND 5%.

FDOT Landscape Permit Number 2022-L-491-00010

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CERTIFICATE OF AUTHORIZATION NO. 4278

SEAL / SIGNATURE:

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FOR THE FIRM: PAOLO FERRERA LA 0667219

PROJECT TITLE:

FT. LAUDERDALE BEACH PUBLIX

2985 NORTH OCEAN BOULEVARD
FT. LAUDERDALE BEACH, FLORIDA 33308

MR. RANDY J. KOLMAN
BRANDON STRUCTURES
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Ocoee, Florida 32832
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FDOT 07/22/2022

ISSUE:

NO.	DATE	REVISIONS	BY
1	1/13/22	BD COMMENTS	
	4/14/22	FDOT COMMENTS	
	4/29/22	BD COMMENTS	
	5/9/22	BCTD COMMENTS	
	7/22/22	FDOT COMMENTS	
	1/4/23	FIELD REVISION	
	5/10/24	FDOT MMOA	

PROJECT INFORMATION:

PROJECT NUMBER: 20197040
DATE: 07-10-19
DRAWN BY: P.F.
CHECKED BY: N.H.O.
APPROVED BY: P.F.
SCALE: AS SHOWN

SHEET TITLE:

LANDSCAPE REQUIREMENTS, SCHEDULE AND NOTES

SHEET NUMBER:

L-2.1

Exhibit 2
Page 29 of 37

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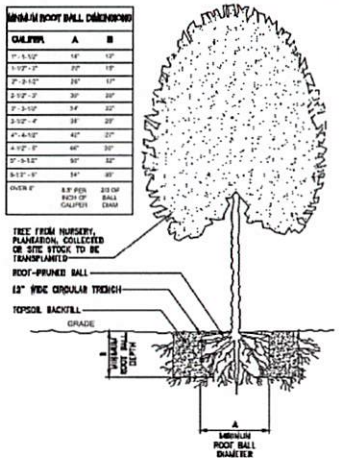
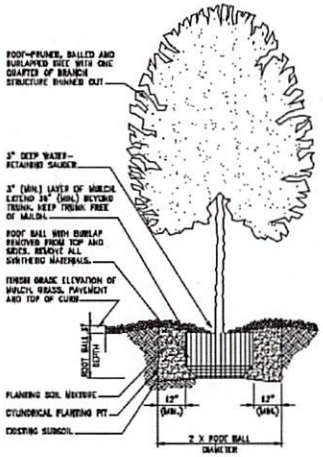


MINIMUM ROOT BALL DIMENSIONS		
CALIPER	A	B
1"-1-1/2"	14"	12"
1-1/2"-2"	20"	18"
2"-2-1/2"	26"	22"
2-1/2"-3"	30"	26"
3"-3-1/2"	34"	32"
3-1/2"-4"	38"	32"
4"-4-1/2"	42"	32"
4-1/2"-5"	46"	32"
5"-5-1/2"	50"	32"
5-1/2"-6"	54"	32"
OVER 6"	8.3" PER INCH OF CALIPER	2/3 OF BALL DIAM

TREE DIGGING DETAIL
N.T.S.



TREE PLANTING DETAIL
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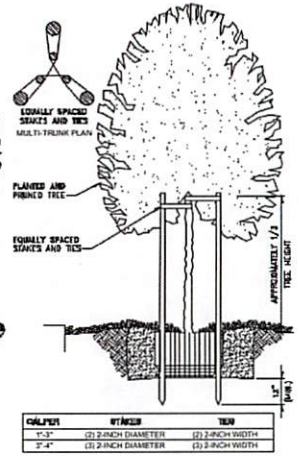
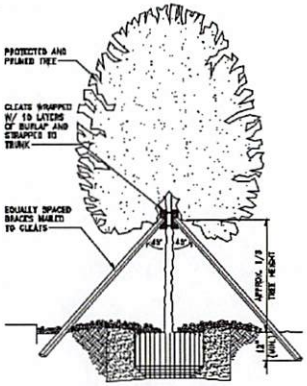


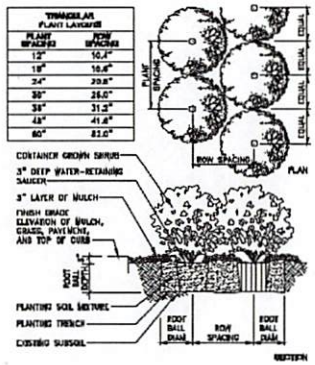
CALIPER	STAKES	TIES
1"-3"	(2) 2-INCH DIAMETER	(2) 2-INCH WIDTH
3"-4"	(3) 2-INCH DIAMETER	(3) 2-INCH WIDTH

TREE STAKING DETAIL
N.T.S.



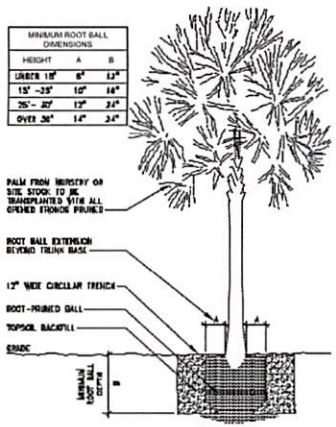
CALIPER	CLEATS	STRAPS	BRACES	NAILS
4"-8"	3"x4"x28"	(2) 1/2"x0.30"	(6) 3"x4"	(3) 16d
8"-12"	3"x4"x33"	(3) 1/2" x 0.30"	(4) 3"x6"	(3) 16d
12"-24"	3"x4"x36"	(3) 1/2" x 0.30"	(3) 3"x6"	(3) 16d

TREE BRACING DETAIL
N.T.S.



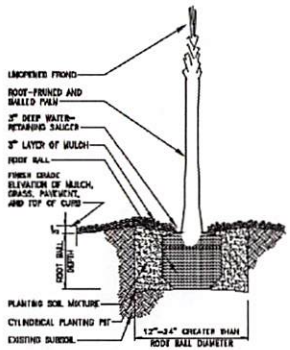
TRIANGULAR PLANT LAYOUTS	
PLANT SPACING	ROW SPACING
12"	10.4"
18"	15.6"
24"	20.8"
30"	26.0"
36"	31.2"
48"	41.6"
60"	52.0"

SHRUB PLANTING DETAIL
N.T.S.

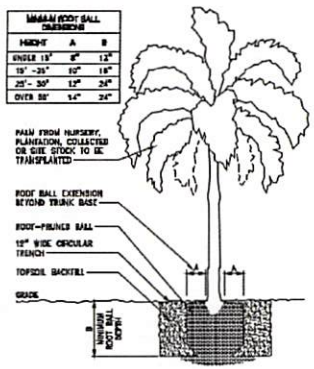


MINIMUM ROOT BALL DIMENSIONS		
HEIGHT	A	B
UNDER 15'	8"	12"
15' -25'	10"	18"
25'- 30'	12"	24"
OVER 30'	14"	24"

SABAL PALM DIGGING DETAIL
N.T.S.

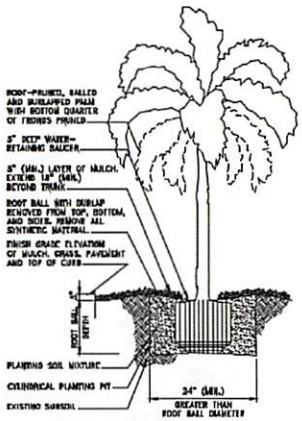


SABAL PALM PLANTING DETAIL
N.T.S.

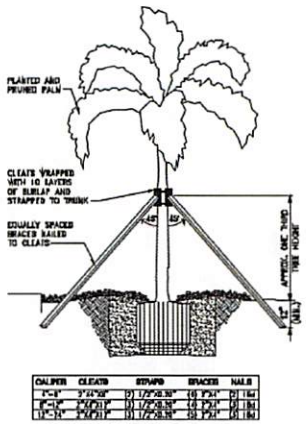


MINIMUM ROOT BALL DIMENSIONS		
HEIGHT	A	B
UNDER 15'	8"	12"
15' -25'	10"	18"
25'- 30'	12"	24"
OVER 30'	14"	24"

PALM DIGGING DETAIL
N.T.S.



PALM PLANTING DETAIL
N.T.S.



CALIPER	CLEATS	STRAPS	BRACES	NAILS
4"-8"	3"x4"x28"	(2) 1/2"x0.30"	(6) 3"x4"	(3) 16d
8"-12"	3"x4"x33"	(3) 1/2"x0.30"	(4) 3"x6"	(3) 16d
12"-24"	3"x4"x36"	(3) 1/2"x0.30"	(3) 3"x6"	(3) 16d

PALM BRACING DETAIL
N.T.S.

FDOT Landscape Permit Number 2022-L-491-00010

GRAEF
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CERTIFICATE OF AUTHORIZATION NO. 4270

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FOR THE FIRM: PAOLO FERRERA LA 6667210

PROJECT TITLE:

FT. LAUDERDALE BEACH PUBLIX

2985 NORTH OCEAN BOULEVARD
FT. LAUDERDALE BEACH, FLORIDA 33308

MR. RANDY J. HOLIHAN
BRANDON STRUCTURES

FDOT 07/22/2022

ISSUE:

NO.	DATE	REVISIONS	BY
	7/22/22	FDOT COMMENTS	

PROJECT INFORMATION:

PROJECT NUMBER:	20197040
DATE:	07-10-19
DRAWN BY:	P.F.
CHECKED BY:	N.H.O.
APPROVED BY:	P.F.
SCALE:	AS SHOWN

SHEET TITLE:

LANDSCAPE DETAILS

SHEET NUMBER:

L-2.2

X:\MIA\2019\20197040\Design\Drawings\L4-2-1 LANDS DETAILS
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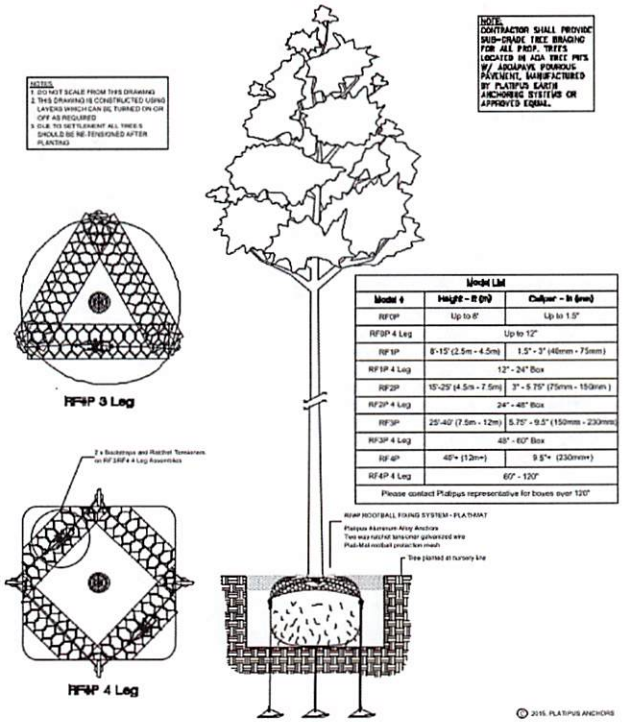
NOTES:
1. DO NOT SCALE FROM THIS DRAWING
2. THIS DRAWING IS CONSTRUCTED USING LAYERS WHICH CAN BE TURNED ON OR OFF AS REQUIRED
3. DUE TO SETTLEMENT ALL TREES SHOULD BE RE-TENSIONED AFTER PLANTING

NOTE:
CONTRACTOR SHALL PROVIDE SUB-GRADE TREE BRACING FOR ALL PROP. TREES LOCATED IN ADA TREE PITS W/ ADDAPAVE POROUS PAVEMENT, MANUFACTURED BY PLATIPUS EARTH ANCHORING SYSTEMS OR APPROVED EQUAL.



Model List		
Model #	Height - ft (m)	Caliper - in (mm)
RF0P	Up to 8'	Up to 1.5"
RF3P 4 Leg	Up to 12'	
RF1P	8-15' (2.5m - 4.5m)	1.5" - 3" (40mm - 75mm)
RF1P 4 Leg	12' - 24' Box	
RF2P	15'-25' (4.5m - 7.5m)	3" - 5.75" (75mm - 150mm)
RF2P 4 Leg	24' - 48' Box	
RF3P	25'-40' (7.5m - 12m)	5.75" - 9.5" (150mm - 230mm)
RF3P 4 Leg	48' - 60' Box	
RF4P	40'+ (12m+)	9.5"+ (230mm+)
RF4P 4 Leg	60' - 120'	
Please contact Platipus representative for boxes over 120'		

SUB-GRADE TREE BRACING DETAIL
N.T.S.

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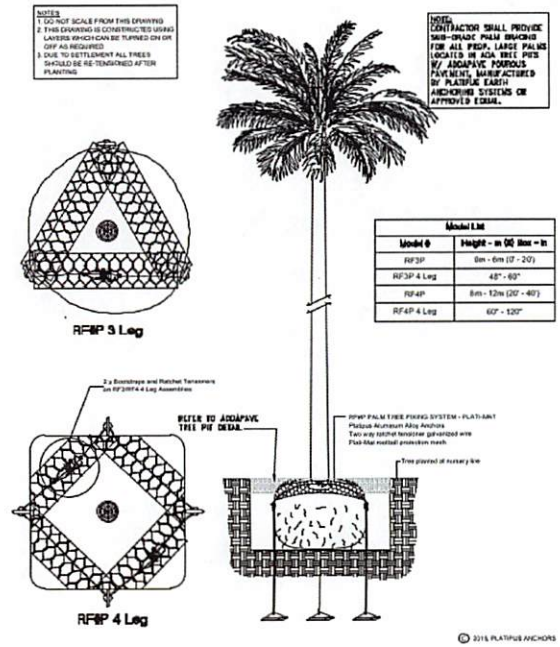
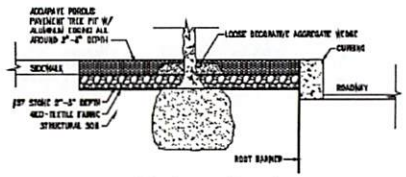
3. DUE TO SETTLEMENT ALL TREES SHOULD BE RE-TENSIONED AFTER PLANTING

NOTE:
CONTRACTOR SHALL PROVIDE SUB-GRADE PALM BRACING FOR ALL PROP. LARGE PALMS LOCATED IN ADA TREE PITS W/ ADDAPAVE POROUS PAVEMENT, MANUFACTURED BY PLATIPUS EARTH ANCHORING SYSTEMS OR APPROVED EQUAL.

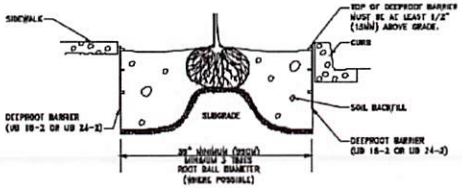


Model List	
Model #	Height - m (ft) Box - in
RF3P	6m - 6m (7' - 20')
RF3P 4 Leg	48" - 60"
RF4P	8m - 12m (20' - 40')
RF4P 4 Leg	60' - 120"

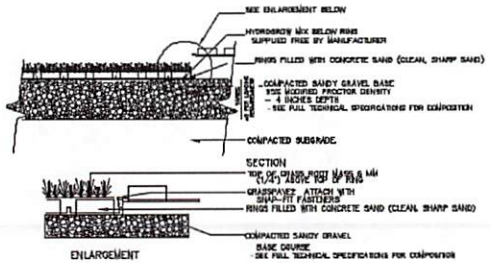
SUB-GRADE PALM BRACING DETAIL
N.T.S.



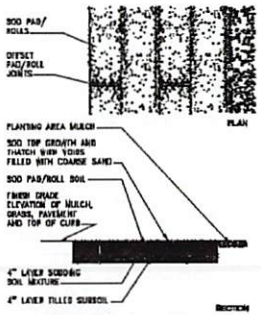
ADDAPAVE TREE PIT
N.T.S.



ROOT BARRIER DETAIL
N.T.S.



GRASSPAVE2 DETAIL
N.T.S.



SODDING DETAIL
N.T.S.

FDOT Landscape Permit Number 2022-L-491-00010

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FOR THE FIRM: PAOLO FERRERA LA 6667216

PROJECT TITLE:

FT. LAUDERDALE BEACH PUBLIX

2985 NORTH OCEAN BOULEVARD
FT. LAUDERDALE BEACH, FLORIDA 33308

MR. RANDY J. KOLMAN
BRANDON STRUCTURES

FDOT 07/22/2022

ISSUE:

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CHECKED BY:	N.H.O.
APPROVED BY:	P.F.
SCALE:	AS SHOWN

SHEET TITLE:

LANDSCAPE DETAILS

SHEET NUMBER:

L-2.3

X:\MIA\2019\20197040\Design\Drawings\L-2-1 LANDS DETAILS
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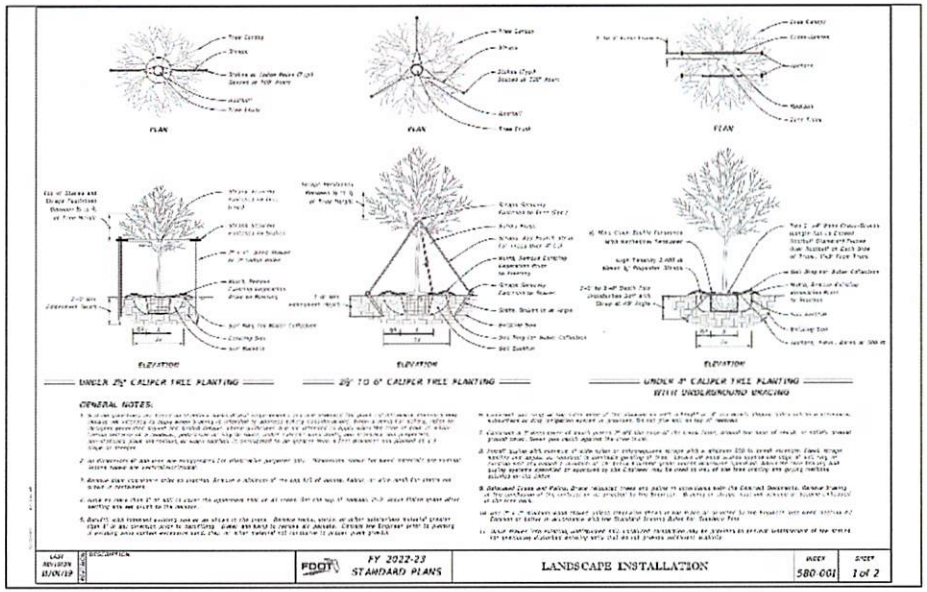

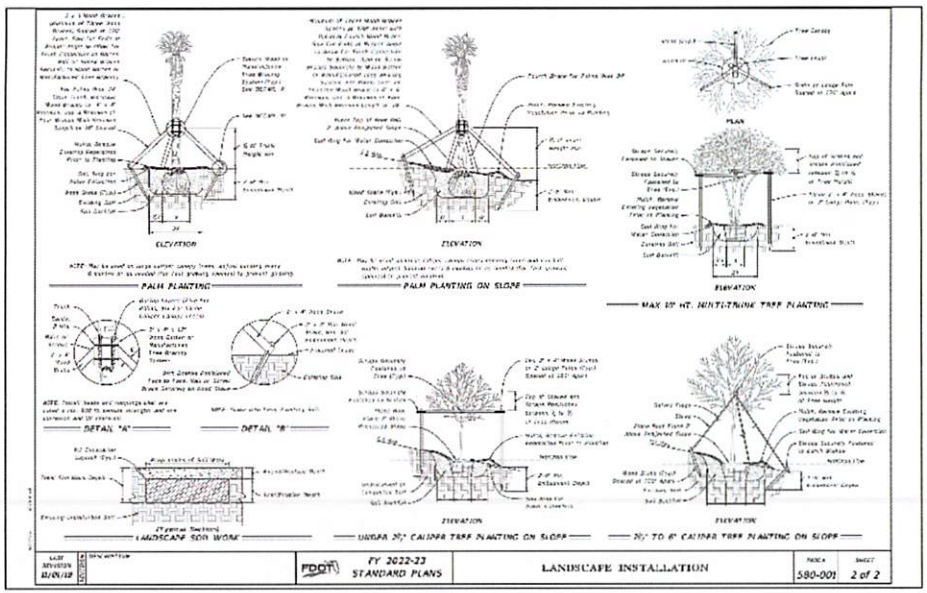

NOTE:
CONTRACTOR SHALL REFER TO THE FDOT STANDARD PLANS INDEX 580-001 LANDSCAPE INSTALLATION FOR ALL PLANT MATERIAL INSTALLED WITHIN THE FDOT RIGHT OF WAY.

FDOT Landscape Permit Number 2022-L-491-00010

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9400 South Dadeland Boulevard
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305 / 279 4553 fax

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FOR THE FIRM: PAOLO FERRERA LA 6667210

PROJECT TITLE:

FT. LAUDERDALE BEACH PUBLIX

2985 NORTH OCEAN BOULEVARD
FT. LAUDERDALE BEACH, FLORIDA 33308

MR. RANDY J. HOLIHAN
BRANDON STRUCTURES

FDOT 07/22/2022

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APPROVED BY:	P.F.
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SHEET TITLE:

FDOT LANDSCAPE DETAILS

SHEET NUMBER:

L-2.4

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SECTION 32 93 00 PLANTS

PART 1 GENERAL

1.01 SECTION INCLUDES

A. PREPARATION OF SUBSOIL AND TOPSOIL.

B. NEW TREES, SHRUBS, AND GROUND COVER.

C. MULCH AND FERTILIZER.

D. TREE PRUNING.

1.02 SUBMITTALS

A. SUBMIT LIST OF PLANT LIFE SOURCES WITH ACCOMPANYING RECENT PHOTOGRAPH OF TYPICAL SAMPLE FOR EACH SCHEDULED PLANT SPECIES.

B. SUBMIT CERTIFICATES OF INSPECTION AS REQUIRED BY GOVERNING AUTHORITIES HAVING JURISDICTION. SUBMIT PLANT SAMPLES AND CULTIVAR CERTIFICATE ISSUED BY NURSERY.

C. SUBMIT CERTIFIED ANALYSES FOR TOPSOIL, SAND, AND FERTILIZERS. SUBMIT LABORATORY ANALYSIS RESULTS FOR PH AND CATIONS EXCHANGE PART TESTS FOR TOPSOIL AND SAND. PROVIDE TESTS AND ANALYSES CONDUCTED BY RECOGNIZED LABORATORY OR MANUFACTURER IN ACCORDANCE WITH METHODS ESTABLISHED BY THE ASSOCIATION OF OFFICIAL AGRICULTURE CHEMISTS.

D. SUBMIT MANUFACTURERS' PUBLISHED TECHNICAL DATA, AND INSTALLATION AND MAINTENANCE INSTRUCTIONS FOR MATERIALS AND PRODUCTS.

E. SUBMIT PROPOSED SCHEDULE WITH DATES FOR EACH TYPE OF PLANTING DURING FAVORABLE WEATHER FOR EACH WORK. COORDINATE SCHEDULE WITH SPECIFIED MAINTENANCE PERIOD TO PROVIDE MAINTENANCE FROM DATE OF SUBSTANTIAL COMPLETION FOR PLANTING. ONCE SCHEDULE IS REVIEWED, REVISE DATES ONLY AS ACCEPTED IN WRITING, AFTER DOCUMENTATION OF REASONS FOR DELAYS.

F. SUBMIT INTERWRITTEN INSTRUCTIONS RECOMMENDING MAINTENANCE PROCEDURES TO BE ESTABLISHED BY OWNER FOR MAINTENANCE OF PLANTS FOR ONE FULL YEAR. SUBMIT INSTRUCTIONS PRIOR TO EXPIRATION OF REQUIRED MAINTENANCE PERIOD.

1.03 QUALITY ASSURANCE

A. COMPLY WITH APPLICABLE REQUIREMENTS OF GOVERNING AUTHORITIES HAVING JURISDICTION, INCLUDING ANIMAL AND PLANT HEALTH INSPECTION SERVICES OF THE US DEPARTMENT OF AGRICULTURE, FLORIDA DEPARTMENT OF AGRICULTURE AND CONSUMER SERVICES, SOUTH FLORIDA WATER MANAGEMENT DISTRICT, BROWARD COUNTY, AND CITY OF FT. LAUDERDALE.

B. COMPLY WITH APPLICABLE REQUIREMENTS OF FLORIDA POWER & LIGHT COMPANY, INCLUDING LINE CLEARANCE CERTIFICATION.

C. PROVIDE PLANTS THAT COMPLY WITH APPLICABLE PROVISIONS OF FLORIDA DEPARTMENT OF AGRICULTURE AND CONSUMER SERVICES GRADES AND STANDARDS FOR NURSERY PLANTS FOR GRADE NUMBER 1 OR BETTER.

D. PROVIDE PLANTS THAT COMPLY WITH APPLICABLE PROVISIONS OF ANSI Z60.1.

E. PROVIDE PLANTS THAT HAVE A HABIT OF GROWTH THAT IS NORMAL FOR SPECIES AND CULTIVARS, AND THAT ARE SOUND, HEALTHY, VIGOROUS, WELL ROOTED, AND FREE OF DEFECT PESTS, PLANT DISEASES, WEEDS, AND INJURIES.

F. PROVIDE PLANTS GROWN IN RECOGNIZED NURSERY IN ACCORDANCE WITH GOOD HORTICULTURAL PRACTICE, UNLESS SITE, COLLECTED, OR PLANTAGRON STOCK IS INDICATED. PROVIDE PLANTS GROWN IN CLIMATE, SOIL, AND WATER CONDITIONS SIMILAR TO PROJECT SITE CONDITIONS.

G. PROVIDE PLANTS WITH UNIFORM HEIGHT, SPREAD, AND CALIPER WHERE MATCHED QUANTITIES ARE INDICATED.

H. SHIP PLANTS WITH CERTIFICATES OF INSPECTION REQUIRED BY GOVERNING AUTHORITIES HAVING JURISDICTION. LABEL AT LEAST ONE SAMPLE OF EACH PLANT TYPE WITH A SECURELY ATTACHED WATERPROOF TAG BEARING LEGIBLE DESIGNATION OF COMMON NAME AND BOTANICAL NAME, INCLUDING CULTIVAR.

I. LANDSCAPE ARCHITECT MAY REVIEW PLANTS AT NURSERY OR AT PROJECT SITE BEFORE PLANTING FOR COMPLIANCE WITH REQUIREMENTS.

J. LANDSCAPE ARCHITECT RESERVES RIGHT TO FURTHER REVIEW PLANTS FOR QUALITY, PESTS, DAMAGE, AND LATENT DEFECTS, AND TO REJECT UNSATISFACTORY OR DEFECTIVE MATERIAL AT ANY TIME DURING PROGRESS OF WORK. REMOVE REJECTED PLANTS PROMPTLY FROM PROJECT SITE.

1.04 SITE VISITS

A. SCHEDULE SITE VISITS BY LANDSCAPE ARCHITECT FOR REVIEW OF PLANTS AND PLANTING SOIL MIXTURES, AND FIELD OBSERVATION OF PLANTING LAYOUT, SUBSOIL CONDITIONS, SOIL MIXTURES, FINISH AND FINISH GRADES, PLANTING, AND PLANTED VEGETATION.

1.05 DELIVERY, STORAGE, AND HANDLING

A. DELIVER FERTILIZER IN WATERPROOF BAGS SHOWING WEIGHT, CHEMICAL ANALYSIS, AND NAME OF MANUFACTURER.

B. PROTECT AND MAINTAIN PLANT LIFE UNTIL PLANTED.

C. PROVIDE FREELY ROOT-PRUNED, FREEDLY DUG FIELD-GROWN PLANTS. DO NOT PRUNE PLANTS PRIOR TO DELIVERY UNLESS OTHERWISE INDICATED. DO NOT TIE, BIND, OR LIFT PLANTS IN SUCH MANNER AS TO DISTORT NATURAL SHAPE, BREAK BRANCHES, OR DAMAGE BARK OR ROOTBALL. PROVIDE PROTECTIVE COVERING DURING DELIVERY. DO NOT DROP PLANTS DURING DELIVERY.

D. DELIVER FIELD-GROWN PLANTS AFTER PREPARATIONS FOR PLANTING HAVE BEEN COMPLETED. PLANT IMMEDIATELY. IF PLANTING IS DELAYED MORE THAN 6 HOURS AFTER DELIVERY, SET PLANTS IN SHADE, PROTECT FROM WEATHER, PREVENT MECHANICAL DAMAGE, AND KEEP ROOTS MOIST WITH MULCH OR BURLAP. DO NOT REMOVE CONTAINER-GROWN STOCK FROM CONTAINERS UNTIL PLANTING TIME.

1.06 FIELD CONDITIONS

A. PROCEED WITH AND COMPLETE PLANTING AS RAPIDLY AS PORTIONS OF PROJECT SITE BECOME AVAILABLE, WORK WITHIN WEATHER LIMITATIONS FOR EACH TYPE OF WORK REQUIRED.

B. WHEN CONDITIONS DETRIMENTAL TO PLANT GROWTH ARE ENCOUNTERED, SUCH AS FILL, DEBRIS, CONTAMINATION, ADVERSE DRAINAGE CONDITIONS, OR OBSTRUCTIONS, NOTIFY ARCHITECT BEFORE GRADING AND PLANTING.

C. PLANT VEGETATION AND INSTALL MATERIALS DURING WEATHER FAVORABLE FOR SUCH WORK. COORDINATE PLANTING AND INSTALLATION WITH SPECIFIED MAINTENANCE PERIOD TO PROVIDE MAINTENANCE FROM DATE OF SUBSTANTIAL COMPLETION FOR PLANTING.

D. INSTALL PLANTS AFTER FINAL GRADES ARE ESTABLISHED AND PRIOR TO SODDING OF LAWNS, UNLESS OTHERWISE ACCEPTABLE TO ARCHITECT. IF PLANTING OCCURS AFTER SODDING, PROTECT LAWN AREAS AND PROMPTLY REPAIR DAMAGE TO LAWNS RESULTING FROM PLANTING OPERATIONS.

1.07 WARRANTY

A. PROVIDE ONE YEAR WARRANTY.

B. WARRANTY: INCLUDE COVERAGE FOR ONE CONTINUOUS GROWING SEASON; REPLACE DEAD OR UNHEALTHY PLANTS.

C. REPLACEMENTS: PLANTS OF SAME SIZE AND SPECIES AS SPECIFIED, PLANTED IN THE NEXT GROWING SEASON, WITH A NEW WARRANTY COMMENCING ON DATE OF REPLACEMENT.

PART 2 PRODUCTS

2.01 PLANTS

A. PLANTS: SPECIES AND SIZE INDICATED IN PLANT SCHEDULE, GROWN IN CLIMATIC CONDITIONS SIMILAR TO THOSE IN LOCALITY OF THE WORK.

2.02 SOIL AMENDMENT MATERIALS

A. FERTILIZER: SUBJECT TO COMPLIANCE WITH APPLICABLE REQUIREMENTS, PROVIDE FERTILIZERS MANUFACTURED BY ATLANTIC FLORIDA EAST COAST FERTILIZER AND CHEMICAL (AFEC) AS SCHEDULED BELOW:

VEGETATION	MEDIUM	MANUFACTURER	MIX	ANALYSIS
PALMS	GROUND	AFEC	0070	08-04-12
TREES, SHRUBS	GROUND	AFEC	9631	04-04-04
ACRONS	GROUND	SCOTT'S OSMOCOTE	14-14-14	

B. PEAT HUMUS: BROWN, FRIABLE, DECAYED, CHARCOAL, NON-TOXIC, DECOMPOSED CANADIAN SPHAGNUM MOSS, WITH PH RANGE 3.5 TO 7.5, OR AS OTHERWISE SUITABLE FOR INTENDED USE, AND WITH MINIMUM ORGANIC MATTER CONTENT OF 65% BY WEIGHT AS DETERMINED BY ASTM D2974, METHOD D.

1. PROVIDE PEAT THAT IS FREE OF NEMATODES, REASONABLY FREE OF SUBSOIL, WEEDS, STICKS, AND OTHER LITTER, AND FREE OF ROOTS, STUMPS, STONES LARGER THAN 1 INCH IN ANY DIMENSION, AND OTHER EXTRANEOUS OR TOXIC MATTER HARMFUL TO GRASS GROWTH.

C. SAND: CLEANED, WASHED, NUMBER 70 SILICA SAND, FREE OF SILT, CLAYEY, AND ORGANIC MATERIALS, WITH 100 PERCENT OF SAND PASSING A NUMBER 16 SIEVE AND NOT MORE THAN 15 PERCENT PASSING A NUMBER 100 SIEVE.

D. WATER: CLEAN, FRESH, AND FREE OF SUBSTANCES OR MATTER THAT COULD INHIBIT VIGOROUS GROWTH OF PLANTS.

2.03 MULCH MATERIALS

A. MULCHING MATERIAL: SUBJECT TO COMPLIANCE WITH APPLICABLE REQUIREMENTS, PROVIDE HARDWOOD PRODUCED BY FORESTRY RESOURCES INCORPORATED.

2.04 ACCESSORIES

A. FILTRATION/SEPARATION FABRIC: PROVIDE WATER PERMEABLE FILTRATION MATERIAL OF FIBERGLASS OR POLYPROPYLENE FABRIC.

B. WRAPPING MATERIALS: BURLAP.

C. STAKES, BRACES, AND GUYS: PROVIDE STAKES, BRACES, AND GUYS OF SOUND, NEW TREATED SOFTWOOD, FREE OF KNOTHOLES AND OTHER DEFECTS. PROVIDE STEEL REPAIR AND NOT-HP GALVANIZED NAILS.

D. TIES: SUBJECT TO COMPLIANCE WITH APPLICABLE REQUIREMENTS, PROVIDE DUNE GREEN AT ARBORTIES MANUFACTURED BY DEERFOOT.

E. BED DIVIDER: SUBJECT TO COMPLIANCE WITH APPLICABLE REQUIREMENTS, PROVIDE BLACK BRANDING BD-20 BED DIVIDER MANUFACTURED BY VALLEY VIEW INDUSTRIES.

F. POROUS FLEXIBLE PAVING: SUBJECT TO COMPLIANCE WITH APPLICABLE REQUIREMENTS, PROVIDE UNDERGRADE POROUS PAVEMENT SYSTEM FROM INVISIBLE STRUCTURES. THE SYSTEM PROVIDES VEHICULAR AND HEAVY LOAD SUPPORT OVER GRASS AREAS WHILE PROTECTING GRASS ROOTS FROM HARMFUL EFFECTS OF TRAFFIC.

2.05 SOURCE QUALITY CONTROL

A. PROVIDE TESTING AND ANALYSIS OF IMPORTED TOPSOIL.

B. TESTING IS NOT REQUIRED IF RECENT TESTS ARE AVAILABLE FOR IMPORTED TOPSOIL. SUBMIT THESE TEST RESULTS TO THE TESTING LABORATORY FOR APPROVAL. INDICATE, BY TEST RESULTS, INFORMATION NECESSARY TO DETERMINE SUITABILITY.

PART 3 EXECUTION

3.01 EXAMINATION

A. VERIFY THAT PREPARED SUBSOIL IS READY TO RECEIVE WORK.

B. EXAMINE SOIL WHICH WORKER TO BE USED DRAINAGE.

C. VERIFY THAT REQUIRED UNDERGROUND UTILITIES ARE AVAILABLE, IN PROPER LOCATION, AND READY FOR USE.

3.02 PREPARATION OF SUBSOIL

A. PREPARE SUBSOIL TO ELIMINATE UNEVEN AREAS, MAINTAIN PROFILES AND DIMENSIONS, MAKE CHANGES IN GRADE GRADUAL, BLEND SLOPES INTO LEVEL AREAS.

B. REMOVE FOREIGN MATERIALS, WEEDS AND UNDESIRABLE PLANTS AND THEIR ROOTS. REMOVE CONTAMINATED SUBSOIL.

C. SCARIFY SUBSOIL TO A DEPTH OF 3 INCHES (75 MM) WHERE PLANTS ARE TO BE PLACED. REPEAT CULTIVATION IN AREAS WHERE EQUIPMENT USED FOR HAULING AND SPREADING TOPSOIL, HAS COMPACTED SUBSOIL.

D. DIG PITS, TRENCHES, AND HOLES OF SIZES INDICATED ON DRAWINGS WITH VERTICAL SIDES AND SLIGHTLY RAISED BOTTOM AT CENTER TO PROVIDE PROPER DRAINAGE. LOOSEN HARD SUBSOIL AT BOTTOM OF EXCAVATION. FILL EXCAVATION WITH WATER AND ALLOW PERCOLATING BEFORE PLANTING.

3.03 TRANSPLANTING

A. TRENCH AROUND FIELD-GROWN PLANTS TO BE TRANSPLANTED, WHETHER NURSERY OR SITE STOCK, TO FORM ROOTBALLS OF SIZES INDICATED ON DRAWINGS. BACKFILL WITH NATIVE GROWING TOPSOIL OR WITH PLANTING SOIL MIXTURE IF GROWING MEDIUM IS LIMESTONE.

B. RELOCATE PLANTS WITH SUFFICIENT, BUT NOT EXCESSIVE, NEW ROOT GROWTH TO ESTABLISHED TO ASSURE FULL RECOVERY. REPEAT ROOT-PRUNING AS REQUIRED TO CHECK EXCESSIVE ROOT GROWTH.

3.04 LAYOUT

A. STAKE INDIVIDUAL PLANTING LOCATIONS AND OUTLINE MULTIPLE PLANTING AREAS. SECURE LANDSCAPE ARCHITECT'S ACCEPTANCE BEFORE START OF PLANTING WORK. MAKE ADJUSTMENTS AS MAY BE REQUESTED.

3.05 INSTALLATION

A. SUBJECT TO COMPLIANCE WITH APPLICABLE REQUIREMENTS, INSTALL MATERIALS AND PRODUCTS IN ACCORDANCE WITH MANUFACTURERS' RECOMMENDATIONS.

3.06 PLANTING SOIL MIXTURES

A. PROVIDE PLANTING SOIL MIXES COMPOSED BY VOLUME AS SCHEDULED BELOW:

VEGETATION	PEAT HUMUS	SAND
PALMS	30%	70%
TREES, SHRUBS, HEDGES	50%	50%

B. REMOVE WOODS, SCREEN PEAT HUMUS TO A FRIABLE CONDITION FREE OF ROOTS, PLANTS, WOOD, STONES, CLAY LUMPS, AND OTHER EXTRANEOUS MATERIALS HARMFUL OR TOXIC TO PLANT GROWTH. THOROUGHLY MIX TOPSOIL AND AMENDMENTS.

3.07 FERTILIZING

A. APPLY FERTILIZER IN ACCORDANCE WITH MANUFACTURER'S INSTRUCTIONS.

B. DELAY MIXING OF FERTILIZER IF PLANTING WILL NOT FOLLOW MIXING WITHIN 3 DAYS.

3.08 PLANTING

A. SET PLANTS PLUMB AND SEASONED ON RAISED EXCAVATION BOTTOMS WITH TOP OF ROOTBALLS FLUSH WITH ADJACENT TOPSOIL. REMOVE BURLAP FROM SIDES, BUT NOT FROM BOTTOM, OF ROOTBALLS OF FIELD-GROWN STOCK.

B. BACKFILL WITH PLANTING SOIL MIXTURE. PLACE MIXTURE IN LOOSELY COMPACTED LAYERS. WORK AND WATER EACH LAYER TO SETTLE BACKFILL, ELIMINATE VOIDS, AND SATURATE PLANTING SOIL MIXTURE. BACKFILL EXCAVATIONS FLUSH WITH ADJACENT TOPSOIL, ALLOWING FOR NATURAL SETTLEMENT. SIDE TOP OF BACKFILL TO RETAIN WATER AND ACCOMMODATE MULCH AROUND PLANTS.

C. STAKE AND BRACE PALMS AND TREES IMMEDIATELY AFTER PLANTING, AS INDICATED ON DRAWINGS. DO NOT NAIL THROUGH BRACES AND CLEARS OVER PALM TRUNCS.

D. PROVIDE SUB-GRADE TREE AND PALM BRACING AS INDICATED ON DRAWINGS IN ACCORDANCE WITH MANUFACTURER'S INSTALLATION RECOMMENDATIONS.

3.09 MULCHING

A. MULCH ENTIRE SURFACE OF PITS, TRENCHES, AND BEDS. PROVIDE MULCH THICKNESS INDICATED ON DRAWINGS. DO NOT APPLY MULCH AGAINST TRUNKS OF STEMS. FINISH MULCH LEVEL WITH ADJACENT FINISH GRADES.

3.10 BED DIVIDER

A. INSTALL BED DIVIDER IN ACCORDANCE WITH RECOMMENDATIONS OF MANUFACTURER.

3.11 POROUS FLEXIBLE PAVING

A. INSTALL POROUS FLEXIBLE PAVING FOR USE WITH STABILIZED SOD AREAS IN ACCORDANCE WITH RECOMMENDATIONS OF MANUFACTURER.

3.12 TREE PRUNING

A. PERFORM PRUNING OF TREES AS RECOMMENDED IN ANSI A300 PART 1.

B. PRUNE, THIN OUT, AND SHAPE PLANTS AS INDICATED ON DRAWINGS TO RETAIN NATURAL CHARACTER AND PROVIDE REQUIRED HEIGHT, SPREAD, AND CLEAR TRUNK IMMEDIATELY AFTER PLANTING, UNLESS OTHERWISE INDICATED. DO NOT CUT FULL TERMINAL LEADERS OR SHEARED PALM FRONDS. REMOVE ONLY DEAD OR INJURED BRANCHES FROM FLOWERING TREES. REMOVE AND REPLACE EXCESSIVELY PRUNED OR MALTREATED PLANTS RESULTING FROM IMPROPER PRUNING.

3.13 ANTIDESICCANT

A. APPLY ANTIDESICCANT TO TREES AND PALMS USING POWER SPRAY TO PROVIDE AN ADEQUATE FILM OVER BARKS, BRANCHES, STEMS, TRUNK, AND FOLIAGE. IF DECIDUOUS TREES ARE MOVED IN FULL LEAF, SPRAY WITH ANTIDESICCANT AT NURSERY BEFORE MOVING AND AGAIN AFTER 2 WEEKS AFTER PLANTING.

3.14 FIELD QUALITY CONTROL

A. PLANTS WILL BE REJECTED IF A BALL OF EARTH SURROUNDING ROOTS HAS BEEN DISTURBED OR BROKEN PRIOR TO OR DURING PLANTING.

3.15 MAINTENANCE

A. BEGIN MAINTENANCE IMMEDIATELY AFTER PLANTING. MAINTAIN PLANTS UNTIL FINAL ACCEPTANCE, BUT FOR NOT LESS THAN 180 DAYS AFTER SUBSTANTIAL COMPLETION OF PLANTING.

B. MAINTAIN PLANTS BY WATERING, FERTILIZING, WEEDING, TRIMMING, AND OTHER OPERATIONS SUCH AS REPAIRING AND REPLANTING, AS REQUIRED TO ESTABLISH ACCEPTABLE PLANTS. SPRAY AS REQUIRED TO KEEP PLANTS FREE OF INSECT PESTS AND PLANT DISEASES.

C. WATER FIELD-GROWN PLANTS DAILY FOR 30 DAYS, EVERY OTHER DAY FOR 180 DAYS, AND WEEKLY THEREAFTER. APPLY 5 GALLONS OF WATER PER CALIPER INCH. DO NOT WATER IF FOOTBALL IS WET ON MORNING DAY.

D. REPLACE MULCH WHEN DETERIORATED.

E. MAINTAIN WRAPPINGS, GUYS, STAKES AND TIES. REPAIR OR REPLACE ACCESSORIES WHEN REQUIRED.

3.16 DISPOSAL OF WASTE

A. REMOVE AND LEGALLY DISPOSE OF SURPLUS SOIL AND WASTE MATERIAL, INCLUDING EXCESS SUBSOIL, UNSUITABLE SOIL, TRASH, DEBRIS, AND CONTAMINATED MATERIALS OFF PROJECT SITE. DO NOT USE WASTE MATERIAL AS BACKFILL OR IN PLANTING SOIL MIXTURES. BURNING IS NOT PERMITTED ON PROJECT SITE.

B. REMOVE TEMPORARY SUPPORTS, SUCH AS STAKES, BRACES, GUYS, WRAPS, AND BAGS, ONCE PLANTS BECOME ESTABLISHED AND SELF-SUPPORTING, BUT NOT SOONER THAN 90 DAYS PER INCH OF TRUNK CALIPER AFTER PLANTING, WHICHEVER OCCURRING DURING OR AFTER SPECIFIED MAINTENANCE PERIOD.

3.17 CLEANUP AND PROTECTION

A. KEEP PAVEMENTS CLEAN AND WORK AREA IN AN ORDERLY CONDITION. PROTECT WORK AGAINST DAMAGE DUE TO PLANTING OPERATIONS, OPERATIONS BY OTHERS, AND ACTIONS OF TRESPASSERS. MAINTAIN PROTECTION DURING INSTALLATION AND MAINTENANCE PERIODS. REMOVE, REPAIR, AND REPLACE DAMAGED WORK AS DIRECTED.

3.18 ACCEPTANCE

A. WHEN PLANTING, INCLUDING MAINTENANCE, IS COMPLETED, SCHEDULE SITE VISIT BY LANDSCAPE ARCHITECT FOR FIELD OBSERVATION TO DETERMINE ACCEPTABILITY.

B. WHEN OBSERVED WORK DOES NOT COMPLY WITH REQUIREMENTS, REPLACE REJECTED WORK AND CONTINUE SPECIFIED MAINTENANCE UNTIL OBSERVED AGAIN BY LANDSCAPE ARCHITECT AND FOUND TO BE ACCEPTABLE. REMOVE REJECTED PLANTS AND MATERIALS PROMPTLY FROM PROJECT SITE.

FDOT Landscape Permit Number 2022-L-491-00010

GRAEF

9400 South Dadeland Boulevard
Suite 601
Miami, FL 33156
305 / 378 5555
305 / 279 4553 fax

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CERTIFICATE OF AUTHORIZATION NO. 4270

SEAL / SIGNATURE:

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FOR THE FIRM: PAOLO FERRERA LA 6667219

PROJECT TITLE:

FT. LAUDERDALE BEACH PUBLIX

2985 NORTH OCEAN BOULEVARD
FT. LAUDERDALE BEACH, FLORIDA 33308

MR. RANDY J. KOLMAN
BRANDON STRUCTURES

FDOT 07/22/2022

ISSUE:

NO.	DATE	REVISIONS	BY
	7/22/22	FDOT COMMENTS	

PROJECT INFORMATION:

PROJECT NUMBER: 20197040
DATE: 07-10-19
DRAWN BY: P.F.
CHECKED BY: N.H.O.
APPROVED BY: P.F.
SCALE: AS SHOWN

SHEET TITLE:

LANDSCAPE SPECIFICATIONS

SHEET NUMBER:

L-2.5

X:\MIA\2019\20197040\Design\Drawings\LA-2.1 LANDS DETAILS
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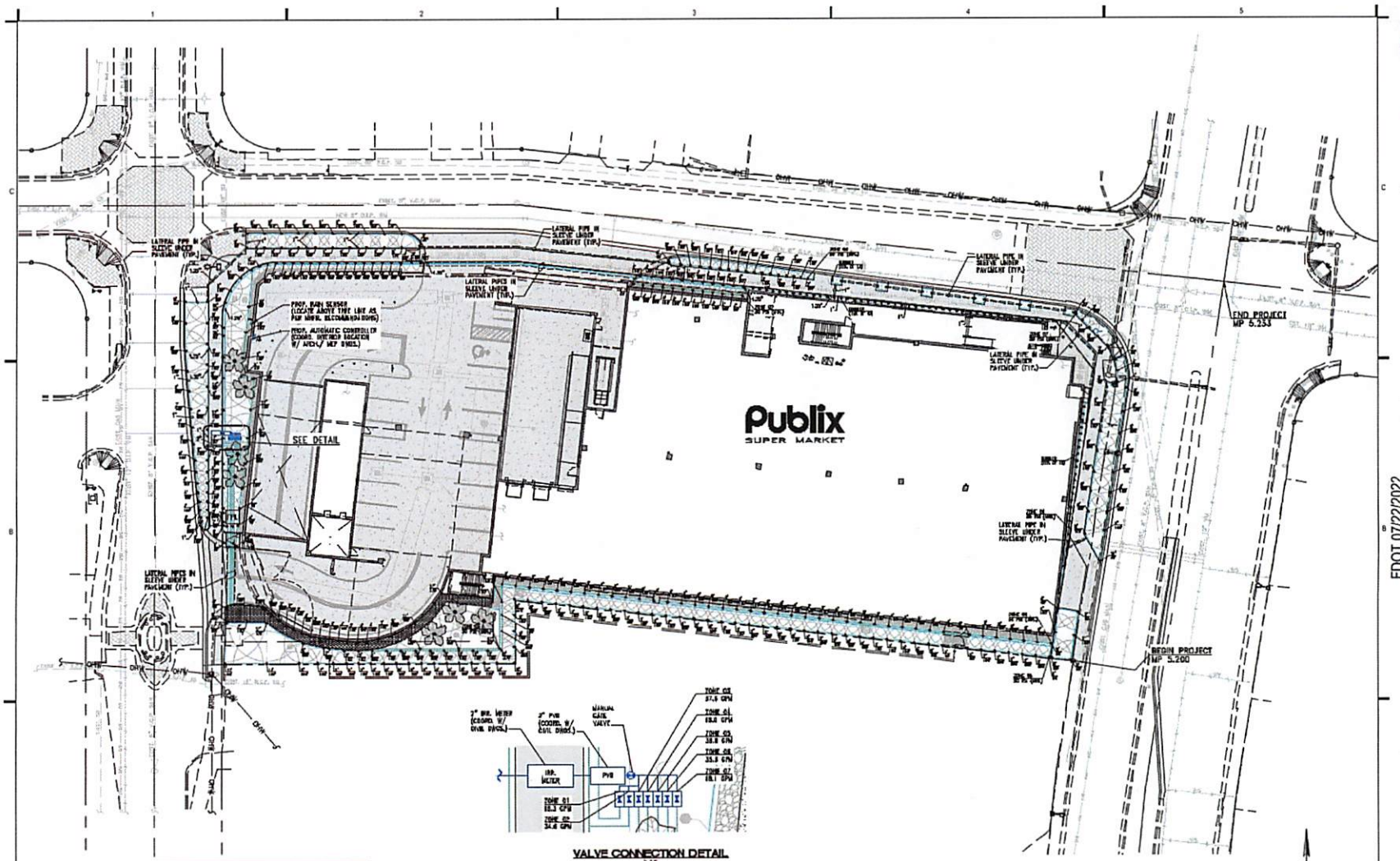

LEGEND

SYMBOL	DESCRIPTION
	APPROXIMATE ROOT ZONE SEE PLANTING PLAN
A	KEY: SPRINKLER AND WATER PATTERN REFER TO SPRINKLER SCHEDULE
	IRRIGATION LATERAL PIPING
	IRRIGATION MAIN PIPING
	IRRIGATION LATERAL PIPING IN SLEEVE
	IRRIGATION MAIN PIPING IN SLEEVE
	IRRIGATION DRIP LINE
EV	AUTOMATIC ELECTRIC VALVE(S) IN VALVE BOX REFER TO STATION AND EQUIPMENT SCHEDULES
GV	GATE VALVE IN VALVE BOX REFER TO EQUIPMENT SCHEDULE
1 / 0.0	STATION NUMBER AND FLOW IN GPM REFER TO IRRIGATION SYSTEM DIAGRAM AND STATION SCHEDULE
AC	AUTOMATIC CONTROLLER REFER TO EQUIPMENT SCHEDULE
RS	RAIN SENSOR SWITCH REFER TO EQUIPMENT SCHEDULE

Sunshine 811

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Check positive response on the ticket before you dig!

FDOT Landscape Permit Number 2022-L-491-00010

GRAEF

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CERTIFICATE OF AUTHORIZATION NO. 4270

SEAL / SIGNATURE:

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FOR THE FIRM: PAOLO FERRERA LA 6667210

PROJECT TITLE:

FT. LAUDERDALE BEACH PUBLIX

2985 NORTH OCEAN BOULEVARD
FT. LAUDERDALE BEACH, FLORIDA 33308

MR. RANDY J. HOLIHAN
BRANDON STRUCTURES
[illegible]

FDOT 07/22/2022

ISSUE:

NO.	DATE	REVISIONS	BY
1	1/13/22	BD COMMENTS	
	4/29/22	BD COMMENTS	
	5/9/22	BCTD COMMENTS	
	7/22/22	FDOT COMMENTS	

PROJECT INFORMATION:

PROJECT NUMBER:	20197040
DATE:	07-10-19
DRAWN BY:	P.F.
CHECKED BY:	N.H.O.
APPROVED BY:	P.F.
SCALE:	AS SHOWN

SHEET TITLE:

IRRIGATION PLAN

SHEET NUMBER:

IR-1

PAN # 24-0668
Exhibit 2
Page 34 of 37

X:\MIA\2019\20197040\Design\Drawings\IR-1 IRRIGATION
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EQUIPMENT SCHEDULE

EQUIPMENT	MANUFACTURER	MODEL	SIZE
AUTOMATIC CONTROLLER	RAIN BIRD	MODEL NUMBER	8 STATION
RAIN SENSOR	RAINBIRD	RAIN-CLIK-C	
GATE VALVE	NIBCO	T-113-K	2 INCH
AUTOMATIC ELECTRIC VALVE	RAIN BIRD	100-PEB-PRS-D 150-PEB-PRS-D 200-PEB-PRS-D	1 INCH 1-1/2 INCH 2 INCH
STATION VALVE BOX & COVER SPLICE BOX & COVER	NAGLEAN HIGHLINE NAGLEAN HIGHLINE	170106 W/SNAP LOCK 181133 W/LOCKING SCREW	12 INCH STANDARD 10 INCH ROUND

PIPING SCHEDULE

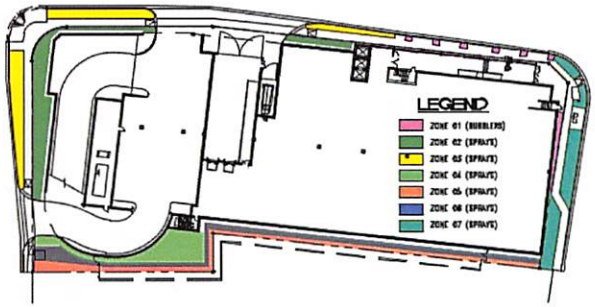
PIPING	MATERIAL	PIPE	FITTINGS	JOINT
IRRIGATION MAIN	POLYVINYL CHLORIDE (PVC) PLASTIC PIPE & FITTINGS	ASTM D 1785 SCHEDULE 40	ASTM D 2466 SCH 40, SOCKET	ASTM D 2564 SOLVENT CEMENT
IRRIGATION SEASON	POLYVINYL CHLORIDE (PVC) PLASTIC PIPE & FITTINGS	ASTM D 1785 SCHEDULE 40	ASTM D 2466 SCH 40, SOCKET	ASTM D 2564 SOLVENT CEMENT
IRRIGATION SLEEVE	POLYVINYL CHLORIDE (PVC) PLASTIC PIPE & FITTINGS	ASTM D 1785 SCHEDULE 40	ASTM D 2466 SCH 40, SOCKET	ASTM D 2564 SOLVENT CEMENT
SPRINKLER HEAD FLEXIBLE JOINT	POLYETHELENE PLASTIC TUBING & FITTINGS	ASTM D 2737	THREAD / BARB	SCREWED / INSERTED
IRRIGATION DRIP LINE	N/A	N/A	N/A	N/A

SPRINKLER SCHEDULE

NAME	PATTERN	DEPT	MFR	BODY	NOZZLE	NAME	PSI	GPM
BUBBLER	TWIRLY	HEAD	HUNTER	PROS-04-PRS30	PCN-36	1/2" MPT	30	0.31
4"	90°	HEAD	HUNTER	PROS-04-PRS30	PCN	1/2" MPT	30	0.41
5"	180°	HEAD	HUNTER	PROS-04-PRS30	PCN	1/2" MPT	30	0.16
6'-4"	42°	HEAD	HUNTER	PROS-04-PRS30	LA	1/2" MPT	30	0.33
6'-4"	90°	HEAD	HUNTER	PROS-04-PRS30	LA	1/2" MPT	30	0.58
6'-4"	120°	HEAD	HUNTER	PROS-04-PRS30	LA	1/2" MPT	30	0.34
6'-4"	180°	HEAD	HUNTER	PROS-04-PRS30	LA	1/2" MPT	30	0.45
6'-4"	240°	HEAD	HUNTER	PROS-04-PRS30	LA	1/2" MPT	30	0.68
6'-4"	270°	HEAD	HUNTER	PROS-04-PRS30	LA	1/2" MPT	30	0.79
6'-4"	360°	HEAD	HUNTER	PROS-04-PRS30	LA	1/2" MPT	30	0.92
4.0'-8"	42°	HEAD	HUNTER	PROS-04-PRS30	MA	1/2" MPT	30	0.13
4.0'-8"	90°	HEAD	HUNTER	PROS-04-PRS30	MA	1/2" MPT	30	0.37
4.0'-8"	120°	HEAD	HUNTER	PROS-04-PRS30	MA	1/2" MPT	30	0.44
4.0'-8"	180°	HEAD	HUNTER	PROS-04-PRS30	MA	1/2" MPT	30	0.66
4.0'-8"	240°	HEAD	HUNTER	PROS-04-PRS30	MA	1/2" MPT	30	0.88
4.0'-8"	270°	HEAD	HUNTER	PROS-04-PRS30	MA	1/2" MPT	30	1.02
4.0'-8"	360°	HEAD	HUNTER	PROS-04-PRS30	MA	1/2" MPT	30	1.28
8'-8"	42°	HEAD	HUNTER	PROS-04-PRS30	MA	1/2" MPT	30	0.13
8'-8"	90°	HEAD	HUNTER	PROS-04-PRS30	MA	1/2" MPT	30	0.39
8'-8"	120°	HEAD	HUNTER	PROS-04-PRS30	MA	1/2" MPT	30	0.58
8'-8"	180°	HEAD	HUNTER	PROS-04-PRS30	MA	1/2" MPT	30	0.58
8'-8"	240°	HEAD	HUNTER	PROS-04-PRS30	MA	1/2" MPT	30	0.78
8'-8"	270°	HEAD	HUNTER	PROS-04-PRS30	MA	1/2" MPT	30	0.87
8'-8"	360°	HEAD	HUNTER	PROS-04-PRS30	MA	1/2" MPT	30	1.16
7.0'-10"	42°	HEAD	HUNTER	PROS-04-PRS30	MA	1/2" MPT	30	0.23
7.0'-10"	90°	HEAD	HUNTER	PROS-04-PRS30	MA	1/2" MPT	30	0.46
7.0'-10"	120°	HEAD	HUNTER	PROS-04-PRS30	MA	1/2" MPT	30	0.65
7.0'-10"	180°	HEAD	HUNTER	PROS-04-PRS30	MA	1/2" MPT	30	0.93
7.0'-10"	240°	HEAD	HUNTER	PROS-04-PRS30	MA	1/2" MPT	30	1.21
7.0'-10"	270°	HEAD	HUNTER	PROS-04-PRS30	MA	1/2" MPT	30	1.37
7.0'-10"	360°	HEAD	HUNTER	PROS-04-PRS30	MA	1/2" MPT	30	1.98
9'-11"	42°	HEAD	HUNTER	PROS-04-PRS30	LA	1/2" MPT	30	0.32
9'-11"	90°	HEAD	HUNTER	PROS-04-PRS30	LA	1/2" MPT	30	0.65
9'-11"	120°	HEAD	HUNTER	PROS-04-PRS30	LA	1/2" MPT	30	0.94
9'-11"	180°	HEAD	HUNTER	PROS-04-PRS30	LA	1/2" MPT	30	1.36
9'-11"	240°	HEAD	HUNTER	PROS-04-PRS30	LA	1/2" MPT	30	1.85
9'-11"	270°	HEAD	HUNTER	PROS-04-PRS30	LA	1/2" MPT	30	1.89
9'-11"	360°	HEAD	HUNTER	PROS-04-PRS30	LA	1/2" MPT	30	2.52
11.0'-15"	42°	HEAD	HUNTER	PROS-04-PRS30	LA	1/2" MPT	30	0.47
11.0'-15"	90°	HEAD	HUNTER	PROS-04-PRS30	LA	1/2" MPT	30	0.93
11.0'-15"	120°	HEAD	HUNTER	PROS-04-PRS30	LA	1/2" MPT	30	1.34
11.0'-15"	180°	HEAD	HUNTER	PROS-04-PRS30	LA	1/2" MPT	30	1.86
11.0'-15"	240°	HEAD	HUNTER	PROS-04-PRS30	LA	1/2" MPT	30	2.48
11.0'-15"	270°	HEAD	HUNTER	PROS-04-PRS30	LA	1/2" MPT	30	2.75
11.0'-15"	360°	HEAD	HUNTER	PROS-04-PRS30	LA	1/2" MPT	30	3.77
13.0'-17"	42°	HEAD	HUNTER	PROS-04-PRS30	LA	1/2" MPT	30	0.60
13.0'-17"	90°	HEAD	HUNTER	PROS-04-PRS30	LA	1/2" MPT	30	1.20
13.0'-17"	120°	HEAD	HUNTER	PROS-04-PRS30	LA	1/2" MPT	30	1.70
13.0'-17"	180°	HEAD	HUNTER	PROS-04-PRS30	LA	1/2" MPT	30	2.40
13.0'-17"	240°	HEAD	HUNTER	PROS-04-PRS30	LA	1/2" MPT	30	3.20
13.0'-17"	270°	HEAD	HUNTER	PROS-04-PRS30	LA	1/2" MPT	30	3.60
13.0'-17"	360°	HEAD	HUNTER	PROS-04-PRS30	LA	1/2" MPT	30	4.80
8' x 15'	RECTANGLE	HEAD	HUNTER	PROS-04-PRS30	15-515	1/2" MPT	30	0.66
8' x 15'	RECTANGLE	HEAD	HUNTER	PROS-04-PRS30	25-515	1/2" MPT	30	0.95
8' x 15'	RECTANGLE	HEAD	HUNTER	PROS-04-PRS30	35-515	1/2" MPT	30	1.32
8' x 15'	RECTANGLE	HEAD	HUNTER	PROS-04-PRS30	35-515	1/2" MPT	30	1.72
8' x 30'	RECTANGLE	HEAD	HUNTER	PROS-04-PRS30	50-530	1/2" MPT	30	1.40
8' x 30'	RECTANGLE	HEAD	HUNTER	PROS-04-PRS30	50-530	1/2" MPT	30	1.80

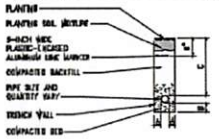
IRRIGATION NOTES

1. ALL IRRIGATION EQUIPMENT SHALL BE INSTALLED IN COMPLIANCE WITH LOCAL, COUNTY, AND STATE CODES AND REQUIREMENTS.
2. IRRIGATION PLANS ARE DIAGRAMMATIC ONLY. ALL MAIN LINES, LATERAL LINES, AND WIRING SHALL BE INSTALLED IN THE SAME TRENCH AND INSIDE PLANTING AREAS WHENEVER POSSIBLE. ALL NEW IRRIGATION EQUIPMENT INSTALLATIONS MUST BE COORDINATED IN FIELD WITH EXISTING IRRIGATION EQUIPMENT, PLANTING, ELECTRICAL, AND CIVIL WORK. CONTRACTOR SHALL IMMEDIATELY NOTIFY LANDSCAPE ARCHITECT OF CONFLICTS WITH PROPOSED IRRIGATION EQUIPMENT LOCATIONS.
3. THE CONTRACTOR SHALL BE DEEMED TO HAVE VISITED THE SITE PRIOR TO BIDDING AND SHALL VERIFY ALL EXISTING CONDITIONS IN THE FIELD. DISCREPANCIES FOUND WHICH MAY ALTER THE WORK SHALL BE BROUGHT TO THE ATTENTION OF THE ARCHITECT IN WRITING FOR APPROVAL OF MODIFICATION. ALL EXISTING CONDITIONS INCLUDING BUT NOT LIMITED TO SUBSURFACE CONDITIONS, EXTENT OF TRASH, DEBRIS AND CONTAMINATION, LOCATION OF UNDERGROUND AND ABOVEGROUND UTILITIES, VEGETATION, AND PAVEMENTS SHOWN ON THE DRAWINGS MUST BE FIELD VERIFIED BY THE CONTRACTOR BEFORE SUBMITTAL OF BID.
4. PIPING WITH NO SIZE INDICATION IS 3/4-INCH MINIMUM SIZE. PIPE SIZES FOR SIMILAR SIZED PIPE SEGMENTS MAY BE SHOWN ONLY AT BEGINNING AND END OF SEGMENT FOR CLARITY. CONTRACTOR SHALL ADJUST PIPE SIZES AS MAY BE REQUIRED TO ENSURE MINIMUM AVAILABLE DESIGN PRESSURE (30 PSI) AT FARTHEST HEAD FOR EACH STATION.
5. LOCATE PART-CIRCLE SPRINKLER HEADS TO MAINTAIN A MINIMUM OF 6-INCHES FROM CURBING AND PAVEMENT, AND 12-INCHES FROM STRUCTURES. ADJUST SPRINKLER HEADS AS NEEDED TO ENSURE NO OVERSPRAY ONTO WALKWAYS, STRUCTURES, CURBING, OR PAVEMENT.
6. USE PIPE SLEEVES AT LEAST TWO PIPE SIZES LARGER THAN THE CARRIER PIPE OR TWICE THE DIAMETER OF THE WIRE BUNDLE TO BE PLACED UNDER ALL PAVING/SIDEWALKS.
7. CONNECT NEW STATION VALVES TO PROPOSED AUTOMATIC CONTROLLER. MULTIPLE STATION VALVES MAY BE HOUSED WITHIN SINGLE VALVE BOX AS APPROVED BY LANDSCAPE ARCHITECT DURING SHOP DRAWING SUBMITTAL. REFER TO EQUIPMENT SCHEDULE.
8. MAINTAIN SPRINKLERS AND BUBBLERS IN SEPARATE STATIONS. DO NOT COMBINE SPRINKLERS AND BUBBLERS TO SAME AUTOMATIC VALVE.
9. CONTRACTOR SHALL PROVIDE SEPARATION OF HYDROZONES. DISTINCT IRRIGATION STATIONS SHALL BE PROVIDED FOR TURF AND NON-TURF AREAS AS INDICATED ON PLAN. DO NOT COMBINE TURF/SOD AREA HYDROZONES WITH ANY OTHER PLANTING TYPE HYDROZONES.
10. INSTALLER IS REQUIRED TO CONDUCT FINAL TESTING AND ADJUSTMENT TO ACHIEVE DESIGN SPECIFICATIONS PRIOR TO COMPLETION OF THE SYSTEM AND ACCEPTANCE BY THE OWNER OR OWNERS REPRESENTATIVE.
11. INSTALLER SHALL PROVIDE OWNER WITH THE FOLLOWING POST-CONSTRUCTION DOCUMENTATION:
    A. AS-CONSTRUCTED DRAWINGS
    B. RECOMMENDED MAINTENANCE ACTIVITIES AND SCHEDULES
    C. OPERATIONAL SCHEDULE
    D. DESIGN PRECIPITATION RATES
    E. INSTRUCTIONS ON ADJUSTING THE SYSTEM TO APPLY LESS WATER AFTER THE LANDSCAPE IS ESTABLISHED
    F. MAINTENANCE SCHEDULE
    G. WATER SOURCE
    H. WATER SHUT-OFF METHOD
    I. MANUFACTURER'S OPERATIONAL GUIDE FOR IRRIGATION CONTROLLER
12. INSTALLER SHALL WATER SOD AREAS AND LANDSCAPE PLANTS DAILY FOR 90 DAYS, EVERY OTHER DAY FOR 150 DAYS, AND WEEKLY THEREAFTER. APPLY 3 GALLONS OF WATER PER SQUARE INCH. DO NOT WATER IF ROOTBALL IS WET ON WATERING DAY. WATER SOD AREAS FOR APPROXIMATELY 15 MINUTES PER ZONE. ALL IRRIGATION STATION RUN TIMES SHALL BE COORDINATED WITH OBSERVED FIELD CONDITIONS.
14. REFER TO IRRIGATION DETAILS AND SPECIFICATIONS.



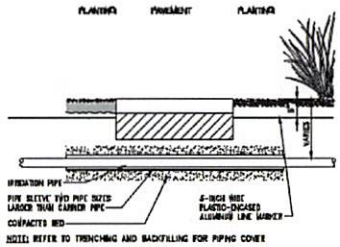
IRRIGATION ZONE DIAGRAM
N.T.S.

PIPING COVERAGE						
PIPE SIZE:	VEHICULAR AREA			PEDESTRIAN AREA		
	A	B	C	A	B	C
1/2"-2"	3"	4"	12"	2"	3"	10"
2 1/2"-4"	3"	4"	12"	2"	4"	12"
5"-6"	4"	5"	12"	4"	5"	12"



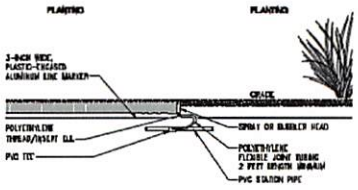
NOTE: ALL PIPES SHALL PASS PRESSURE TEST PRIOR TO BACKFILLING.

TRENCHING AND BACKFILLING
N.T.S.



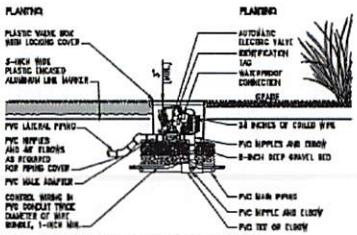
NOTE: REFER TO TRENCHING AND BACKFILLING FOR PIPING COVER

PIPE SLEEVING DETAIL
N.T.S.



NOTE: REFER TO TRENCHING AND BACKFILLING FOR PIPING COVER

SPRINKLER HEAD DETAIL
N.T.S.



NOTE: REFER TO TRENCHING AND BACKFILLING FOR PIPING COVER

AUTOMATIC VALVE DETAIL
N.T.S.

FDOT Landscape Permit Number 2022-L-491-00010

GRAEF
9400 South Dadeland Boulevard
Suite 601
Miami, FL 33156
305 / 378 5555
305 / 279 4553 fax
www.graef-usa.com
CERTIFICATE OF AUTHORIZATION NO. 4270

SEAL / SIGNATURE:

THIS ITEM HAS BEEN DIGITALLY SIGNED AND SEALED BY PAOLO FERRERA, PLA ON THE DATE ADJACENT TO THE SEAL. PRINTED COPIES OF THIS DOCUMENT ARE NOT CONSIDERED SIGNED AND SEALED AND THE SIGNATURE MUST BE VERIFIED ON ANY ELECTRONIC COPIES.

FOR THE FIRM: PAOLO FERRERA LA 6667216

PROJECT TITLE:

FT. LAUDERDALE BEACH PUBLIX

2985 NORTH OCEAN BOULEVARD
FT. LAUDERDALE BEACH, FLORIDA 33308

MR. RANDY J. HOLIHAN
BRANDON STRUCTURES
1767 Fountain Plaza
Orlando, Florida 32803
(407) 839-9400 Fax (407) 839-9401

FDOT 07/22/2022

NO.	DATE	REVISIONS	BY
	7/22/22	FDOT COMMENTS	

ISSUE:

PROJECT INFORMATION:

PROJECT NUMBER: 20197040
DATE: 07-10-19
DRAWN BY: P.F.
CHECKED BY: N.H.O.
APPROVED BY: P.F.
SCALE: AS SHOWN

SHEET TITLE:

IRRIGATION NOTES AND DETAILS

SHEET NUMBER:

IR-2

24-0668
Exhibit 2
Page 35 of 37

X:\MIA\2019\20197040\Design\Drawings\IR-1 IRRIGATION
7/12/2024 1:04 PM

SECTION 32 84 00 IRRIGATION

PART 1 GENERAL

1.01 SECTION INCLUDES

A. FULLY AUTOMATIC IRRIGATION SYSTEM.

B. PIPE AND FITTINGS, VALVES, SPRINKLER HEADS AND ACCESSORIES.

C. CONTROL SYSTEM.

1.02 ADMINISTRATIVE REQUIREMENTS

A. COORDINATION: COORDINATE THE WORK WITH SITE BACKFILLING, LANDSCAPE GRADING AND DELIVERY OF PLANT LIFE.

1.03 SUBMITTALS

A. SHOP DRAWINGS: INDICATE PIPING LAYOUT TO WATER SOURCE, LOCATION OF SLEEVES UNDER PAVEMENT, LOCATION AND COVERAGE OF SPRINKLER HEADS, COMPONENTS, PLANT AND LANDSCAPING FEATURES, SITE STRUCTURES, SCHEDULE OF FITTINGS TO BE USED.

B. PRODUCT DATA: SUBMIT COMPLETE PACKAGE FOR MANUFACTURERS' TECHNICAL DATA, AND INSTALLATION AND MAINTENANCE INSTRUCTIONS FOR MATERIALS, PRODUCTS, AND EQUIPMENT INCLUDING, BUT NOT LIMITED TO:

1. INCLUDE COMPONENT AND CONTROL SYSTEM AND WIRING DIAGRAMS.
2. IRRIGATION LOW VOLTAGE CONTROL WIRE.
3. CONNECTORS, SEALANTS, AND GANG-SPLICING (IF APPLICABLE) MATERIALS FOR UNDERGROUND WIRE CONNECTIONS.
4. AUTOMATIC CONTROL VALVES.
5. VALVE BOXES AND COVERS.
6. SPRINKLER HEADS, NOZZLES, AND ACCESSORIES.
7. INNER-WALLED POLY PIPE AND BARBED FITTINGS (FOR MOUNTING SPRINKLER HEADS).
8. PVC AND GALVANIZED STEEL PIPE, FITTINGS, AND NIPPLES.
9. PVC SOLVENTS (FOR SOLVENT-WELD JOINTS).
10. MICRO AND SUB-SURFACE IRRIGATION PIPE, MANUAL VALVES, ACCESSORIES, AND FITTINGS.
11. VIRGIN TEFLON TAPE AND/OR OTHER SEALANTS (FOR THREADED JOINTS).
12. BACKFLOW PREVENTER.
13. RAIN SENSOR.
14. TEST CERTIFICATES OF PVC PIPE.
15. DETECTABLE UNDERGROUND TAPE

C. RECORD DOCUMENTS: RECORD ACTUAL LOCATIONS OF ALL CONCEALED COMPONENTS OF PIPING SYSTEM.

D. OPERATION AND MAINTENANCE DATA:

1. PROVIDE INSTRUCTIONS FOR OPERATION AND MAINTENANCE OF SYSTEM AND CONTROLS, SEASONAL ACTIVATION AND SHUTDOWN, AND MANUFACTURER'S PARTS CATALOG.
2. PROVIDE SCHEDULE INDICATING LENGTH OF TIME EACH VALVE IS REQUIRED TO BE OPEN TO PROVIDE A DETERMINED AMOUNT OF WATER.

E. MAINTENANCE MATERIALS: PROVIDE THE FOLLOWING FOR OWNER'S USE IN MAINTENANCE OF PROJECT.

1. EXTRA SPRINKLER HEADS: ONE OF EACH TYPE AND SIZE.
2. EXTRA VALVE KEYS FOR MANUAL VALVES: ONE.
3. EXTRA VALVE BOX KEYS: ONE.
4. EXTRA VALVE MARKER KEYS: ONE.
5. WRENCHES: ONE FOR EACH TYPE HEAD CORE AND FOR REMOVING AND INSTALLING EACH TYPE HEAD.

1.04 QUALITY ASSURANCE

A. COMPLY WITH APPLICABLE REQUIREMENTS OF GOVERNING AUTHORITIES HAVING JURISDICTION, INCLUDING SOUTH FLORIDA WATER MANAGEMENT DISTRICT, BROWARD COUNTY AND CITY OF FT. LAUDERDALE.

B. COMPLY WITH APPLICABLE PROVISIONS OF NATIONAL ELECTRICAL CODE (NEC) AND NATIONAL ELECTRICAL MANUFACTURERS ASSOCIATION (NEMA) STANDARDS. PROVIDE ELECTRICAL COMPONENTS THAT ARE LISTED AND LABELED BY UNDERWRITER'S LABORATORIES (UL).

C. MANUFACTURER QUALIFICATIONS: COMPANY SPECIALIZING IN MANUFACTURING PRODUCTS SPECIFIED IN THIS SECTION, WITH NOT LESS THAN THREE (3) YEARS OF DOCUMENTED EXPERIENCE.

D. INSTALLER QUALIFICATIONS: COMPANY SPECIALIZING IN PERFORMING THE WORK OF THIS SECTION WITH MINIMUM FIVE (5) YEARS OF EXPERIENCE.

1. IRRIGATION SUBCONTRACTOR'S SUPERINTENDENT SHALL BE WELL-VERSED IN FLORIDA IRRIGATION SOCIETY STANDARD PLUMBING PROCEDURES, PVC ASSEMBLY PROCEDURES, PLANS READING AND COORDINATION WITH OTHER PERFORMING CONTRACTS OR SERVICES IN THE PROJECT AREA.
2. ALL EMPLOYEES SHALL BE COMPETENT AND HIGHLY SKILLED IN THEIR PARTICULAR JOB IN ORDER TO PROPERLY PERFORM THE WORK ASSIGNED TO THEM.

E. ALL WORK AND MATERIALS SHALL MEET OR EXCEED THE SPECIFICATIONS AND STANDARDS OF THE FLORIDA IRRIGATION SOCIETY (FIS).

F. BACKFLOW PREVENTION DEVICES SHALL BE INSPECTED AND CERTIFIED BEFORE BEING ACTIVATED FOR TEMPORARY USE IN CONSTRUCTION OR FOR USE IN FULL OPERATION.

G. MAINS SHALL BE CONSTRUCTED AND PRESSURE CHECKED FOR FINAL ACCEPTANCE.

1.05 SITE VISITS

A. SCHEDULE SITE VISITS BY LANDSCAPE ARCHITECT FOR FIELD OBSERVATION OF TRENCHING AND BACKFILLING, HYDROSTATIC TESTING, AND OPERATIONAL TESTING.

PART 2 PRODUCTS

2.01 IRRIGATION SYSTEM

A. FULLY AUTOMATIC UNDERGROUND IRRIGATION SYSTEM, WITH ELECTRIC VALVES OPERATED BY CONTROLLER.

2.02 PIPING AND TUBING MATERIALS

A. GENERAL:

1. POLYVINYL CHLORIDE (PVC) PIPE: ALL PIPES SHALL BE PVC UNLESS OTHERWISE INDICATED ON THE DRAWINGS OR CALLED FOR IN THESE SPECIFICATIONS.
   a. ALL PIPES SHALL BE NEW AND FREE FROM DEFECTS, AND SHALL BE CONTINUOUSLY MARKED INDICATING SIZE, SCHEDULE TYPE, AND DEPARTMENT OF COMMERCE STANDARD REFERENCE.
2. GALVANIZED STEEL PIPE: ALL MAINS WHICH ARE EXPOSED TO POSSIBLE DAMAGE (E.G., ABOVE GROUND) SHALL BE THREADED END, STANDARD WEIGHT, SCHEDULE 40 GALVANIZED STEEL PIPE WITH 150 POUND GALVANIZED MALLEABLE FITTINGS.
3. ALL FLANGED FITTINGS REQUIRED SHALL BE MATED STEEL FITTINGS WITH NEW GASKETS.

B. IRRIGATION MAINS:

1. PIPE: ASTM D1785 POLYVINYL CHLORIDE (PVC) PLASTIC PIPE, SCHEDULE 40.
   a. EXCEPTION: MAINS WHICH ARE EXPOSED TO POSSIBLE DAMAGE (E.G., ABOVE GROUND) SHALL BE THREADED END, STANDARD WEIGHT, SCHEDULE 40 GALVANIZED STEEL PIPE.
2. FITTINGS: ASTM D2466 POLYVINYL CHLORIDE (PVC) PLASTIC FITTINGS, SCHEDULE 40, SOCKET.
   a. EXCEPTION: WHERE GALVANIZED STEEL PIPE IS USED, FITTINGS SHALL BE 150 POUND GALVANIZED MALLEABLE FITTINGS.
3. JOINT (PVC PIPE): ASTM D2564, SOLVENT CEMENT.

C. IRRIGATION SLEEVES:

1. PIPE: ASTM D1785 POLYVINYL CHLORIDE (PVC) PLASTIC PIPE, SCHEDULE 40.
2. FITTINGS: ASTM D2466 POLYVINYL CHLORIDE (PVC) PLASTIC FITTINGS, SCHEDULE 40, SOCKET.
3. JOINT (PVC PIPE): ASTM D2564, SOLVENT CEMENT.

D. IRRIGATION STATIONS:

1. PIPE: ASTM D1785 POLYVINYL CHLORIDE (PVC) PLASTIC PIPE, SCHEDULE 40.
2. FITTINGS: ASTM D2466 POLYVINYL CHLORIDE (PVC) PLASTIC FITTINGS, SCHEDULE 40, SOCKET.
3. JOINT: ASTM D2564, SOLVENT CEMENT.

E. SPRINKLER HEAD FLEXIBLE JOINT:

1. PIPE: ASTM D2737 POLYETHYLENE (PE) PLASTIC TUBING.
2. FITTINGS: THREAD / BARB.
3. JOINT: SCREW / BARBED.
4. PRODUCT:
   a. RAINBIRD "SWING PIPE".
   b. TORO "POLY PIPE".

F. ELECTRICAL CONDUIT PIPE: PROVIDE GRAY POLYVINYL CHLORIDE (PVC) CONDUIT AND FITTINGS UNDERGROUND. COMPLY WITH NEMA TC-2, NEMA TC-3, AND UL 651. CONVERT TO MOT-DIP GALVANIZED RIGID STEEL CONDUIT BEFORE RISING ABOVE GROUND.

1. SIZE: AS REQUIRED BY GOVERNING BUILDING CODE OR AS INDICATED ON DRAWINGS, WHICHEVER IS LARGEST. MINIMUM SIZE 1 INCH (27 MM).
2. CONDUIT INCLUDED UNDER THIS SECTION IS LIMITED TO LOW VOLTAGE WIRING BETWEEN TIME CLOCK CONTROLLER AND AUTOMATIC VALVE LOCATIONS.

2.03 OUTLETS

A. EQUIPMENT SHALL BE AS INDICATED ON DRAWINGS.

2.04 VALVES AND CONTROLS

A. GATE VALVE: REFER TO EQUIPMENT SCHEDULE ON DRAWINGS.

B. AUTOMATIC TIME CONTROLLER: REFER TO EQUIPMENT SCHEDULE ON DRAWINGS.

C. AUTOMATIC CONTROL VALVES: REFER TO EQUIPMENT SCHEDULE ON DRAWINGS 24-VOLT, AUTOMATIC.

D. VALVE BOX: REFER TO EQUIPMENT SCHEDULE ON DRAWINGS.

E. MOISTURE SENSOR: REFER TO EQUIPMENT SCHEDULE ON DRAWINGS.

2.05 SAND

A. CLEANED, WASHED COARSE SAND, FREE OF SILT, MUDDY, AND TOXIC MATERIALS, WITH 100 PERCENT OF THE SAND PASSING A NUMBER 8 SIEVE AND NOT MORE THAN 4 PERCENT PASSING A NUMBER 100 SIEVE.

2.06 WIRES

A. PROVIDE MINIMUM 18 AWG WIRES. PROVIDE SOLID COPPER CONDUCTORS FOR SIZES 10 AWG AND SMALLER, STRANDED COPPER CONDUCTORS FOR SIZES 8 AWG AND LARGER. PROVIDE COPPER CONDUCTORS WITH CONDUCTIVITY OF 98 PERCENT AT 68 F (20 C). PROVIDE WIRES WITH THHN/THWN THERMOPLASTIC INSULATION.

2.07 SPLICES

A. SUBJECT TO COMPLIANCE WITH APPLICATION REQUIREMENTS, PROVIDE 3M DBY AND DBR DIRECT BURIAL SPLICE KITS MANUFACTURED FOR 3M.

2.08 PIPING AND WIRING MARKERS

A. SUBJECT TO COMPLIANCE WITH APPLICABLE REQUIREMENTS, PROVIDE PLASTIC-ENCASED ALUMINUM FOIL DETECTABLE UNDERGROUND TAPE LABELED BURIED UNDERGROUND IRRIGATION LINE BELOW.

PART 3 EXECUTION

3.01 EXAMINATION

A. VERIFY LOCATION OF EXISTING UTILITIES.

B. VERIFY THAT REQUIRED UTILITIES ARE AVAILABLE, IN PROPER LOCATION, AND READY FOR USE.

3.02 DESIGN

A. DESIGN PRESSURED ARE INDICATED ON DRAWINGS AT CONNECTION TO WATER SUPPLY AND AT FARTHEST STATION POINTS. VERIFY THAT PRESSURE AT WATER SUPPLY IS MAINTAINED ABOVE INDICATED PRESSURE AT TIME OF DAY WHEN IRRIGATION IS PROGRAMMED TO OPERATE.

3.03 PREPARATION

A. PIPING LAYOUT INDICATED IS DIAGRAMMATIC ONLY. ROUTE PIPING TO AVOID PLANTS, GROUND COVER, AND STRUCTURES.

B. DO NOT DECREASE SYSTEM COMPONENT QUANTITIES INDICATED UNLESS OTHERWISE ACCEPTABLE TO ARCHITECT.

C. LAYOUT AND STAKE LOCATIONS OF SYSTEM COMPONENTS.

D. REVIEW LAYOUT REQUIREMENTS WITH OTHER AFFECTED WORK. COORDINATE LOCATIONS OF SLEEVES UNDER PAVING TO ACCOMMODATE SYSTEM.

3.04 TRENCHING

A. EXCAVATE STRAIGHT AND TRUE WITH BOTTOM UNIFORMLY SLOPED TO LOW POINTS. EXCAVATE TRENCHES TO A DEPTH OF 3 INCHES BELOW INVERT OF PIPE. PROVIDE MINIMUM COVER OVER TOP OF PIPING AS SCHEDULED ON DRAWINGS.

B. TRENCH TO ACCOMMODATE GRADE CHANGES AND SLOPE TO DRAIN.

C. MAINTAIN TRENCHES FREE OF DEBRIS, MATERIAL, OR OBSTRUCTIONS THAT MAY DAMAGE PIPE.

D. PROTECT EXISTING VEGETATION. DO NOT EXCAVATE WITHIN DRIP-LINE OF VEGETATION. JACK PIPING SLEEVES UNDER ROOT SYSTEM IF POSSIBLE. REMOVE AND REPAIR VEGETATION AS NECESSARY TO COMPLETE INSTALLATION. REPLACE DAMAGED VEGETATION WITH NEW TO MATCH EXISTING.

E. AT EACH LOCATION WHERE IRRIGATION PIPE IS INDICATED TO CROSS BENEATH PAVING, IT SHALL BE PLACED IN A PVC IRRIGATION SLEEVE TWICE WATER PIPE SIZE, AT DEPTH BELOW GRADE INDICATED ON DRAWINGS.

3.05 INSTALLATION

A. INSTALL PIPE, VALVES, CONTROLS, AND OUTLETS IN ACCORDANCE WITH MANUFACTURER'S INSTRUCTIONS.

B. INSTALL AUTOMATIC VALVES IN VALVE BOXES, ARRANGED FOR EASY ADJUSTMENT AND REMOVAL. PROVIDE PIPE ADAPTERS AND VALVE PLUGS AS REQUIRED. ADJUST AUTOMATIC VALVES TO PROVIDE FLOW RATE OF MATED OPERATING PRESSURE REQUIRED FOR EACH IRRIGATION STATION.

C. INSTALL CONDUITS AND WIRES TO CONNECT AUTOMATIC CONTROLLER TO AUTOMATIC ELECTRIC VALVES AND RAIN SENSOR SWITCH. PROVIDE 24 INCH (610 MM) EXPANSION COIL AT EACH VALVE TO WHICH CONTROLS ARE CONNECTED, AND AT 120 FT (36 M) INTERVALS. WATERPROOF WIRING SPLICES WITH DIRECT BURIAL SPLICE KITS IN STATION VALVE BOXES.

D. PROVIDE SLEEVES TWICE WATER PIPE SIZE UNDER PAVEMENTS AND THROUGH PLANTER WALLS.

E. LAY PIPE ON SOLID SUBBASE, UNIFORMLY SLOPED WITHOUT HUMPS OR DEPRESSIONS.

F. INSTALL PVC PIPE IN DRY WEATHER WHEN TEMPERATURE IS ABOVE 40 F (4 C) IN STRICT ACCORDANCE WITH MANUFACTURER'S INSTRUCTIONS. ALLOW JOINTS TO CURE AT LEAST 24 HOURS AT TEMPERATURES ABOVE 40 F (4 C) BEFORE TESTING, UNLESS OTHERWISE RECOMMENDED BY MANUFACTURER.

G. CONNECT TO UTILITIES.

H. SET OUTLETS AND BOX COVERS AT FINISH GRADE ELEVATIONS.

I. PROVIDE FOR THERMAL MOVEMENT OF COMPONENTS IN SYSTEM.

J. USE THREADED NIPPLES FOR RISERS TO EACH OUTLET.

K. PROVIDE CONTINUOUS UNDERGROUND LINE MARKERS, LOCATED DIRECTLY OVER BURIED PIPING AND WIRING LINES AT 8 INCHES BELOW FINISH GRADE.

L. AFTER PIPING IS INSTALLED, BUT BEFORE OUTLETS ARE INSTALLED AND BACKFILLING COMMENCES, OPEN VALVES AND FLUSH SYSTEM WITH FULL HEAD OF WATER.

M. INSTALL SPRINKLER HEADS AFTER HYDROSTATIC TEST IS COMPLETED. INSTALL HEADS AT MANUFACTURER'S RECOMMENDED HEIGHTS. LOCATE PART-CIRCLE HEADS TO MAINTAIN MINIMUM OF 12 INCHES FROM BUILDING WALLS, AND 4 INCHES FROM PAVEMENTS AND OTHER BOUNDARIES, UNLESS OTHERWISE INDICATED. ADJUST PATTERN ARCS AND RADIUSES TO AVOID WATER SPILLAGE ONTO PAVEMENTS.

3.06 FIELD QUALITY CONTROL

A. HYDROSTATIC TESTING:

1. CONDUCT TEST IN PRESENCE OF LANDSCAPE ARCHITECT. TEST WATER PIPING AND VALVES. BEFORE BACKFILLING TRENCHES, TO A HYDROSTATIC PRESSURE OF NOT LESS THAN 150 PSI (690 KPA) FOR ONE HOUR. REMOVE AND REPAIR PIPING, CONNECTIONS, AND VALVES THAT DO NOT PASS HYDROSTATIC TESTING.
2. SYSTEM IS ACCEPTABLE IF NO LEAKAGE OR LOSS OF PRESSURE OCCURS AND SYSTEM SELF DRAINS DURING TEST PERIOD.

B. OPERATIONAL TESTING:

1. CONDUCT TEST IN PRESENCE OF LANDSCAPE ARCHITECT. PERFORM OPERATIONAL TESTING AFTER HYDROSTATIC TESTING IS COMPLETED. BACKFILL IS IN PLACE, AND SYSTEM COMPONENTS ADJUSTED TO FINAL POSITION. DEMONSTRATE TO ARCHITECT THAT SYSTEM MEETS COVERAGE REQUIREMENTS AND THAT AUTOMATIC CONTROLS FUNCTION PROPERLY.

3.07 BACKFILLING

A. BACKFILL WITH SATISFACTORY MATERIAL FROM EXCAVATION. REMOVE ORGANIC MATERIAL AS WELL AS ROCKS AND DEBRIS LARGER THAN 1 INCH IN DIAMETER. BACKFILL WITH CLEAN SAND IF EXCAVATED MATERIAL IS NOT ACCEPTABLE TO ARCHITECT. PLACE AND COMPACT SATISFACTORY SOIL MATERIAL IN 6-INCH LAYERS TO DENSITY OF SURROUNDING ORIGINAL GROUND.

B. BACKFILL TRENCH TO SPECIFIED SUBGRADE ELEVATION. PROTECT PIPING FROM DISPLACEMENT.

3.08 EXISTING PAVEMENTS

A. WHERE EXISTING PAVEMENTS MUST BE CUT TO INSTALL LANDSCAPE IRRIGATION SYSTEM. CUT SMOOTHLY TO STRAIGHT LINES 6 INCHES WIDER THAN TRENCH. JACK PIPING SLEEVES UNDER PAVING MATERIAL AT WALKS IF POSSIBLE.

B. EXCAVATE TRENCH TO REQUIRED DEPTH AND WIDTH. BACKFILL WITH DRY SAND, PLACED AND COMPACTED IN 6-INCH LAYERS. REPAIR OR REPLACE PAVEMENT CUTS WITH EQUIVALENT MATERIALS AND FINISHES.

3.09 DISPOSAL OF WASTE

A. REMOVE AND LEGALLY DISPOSE OF SURPLUS SOIL AND WASTE MATERIAL, INCLUDING EXCESS SUBSOIL, UNSUITABLE SOIL, TRASH, DEBRIS, AND CONTAMINATED MATERIALS, OFF PROJECT SITE. DO NOT USE WASTE MATERIAL AS BACKFILL, OR IN SODDING AND PLANTING SOIL MIXTURE. BURNING IS NOT PERMITTED ON PROJECT SITE.

3.10 SYSTEM STARTUP

A. PREPARE AND START SYSTEM IN ACCORDANCE WITH MANUFACTURER'S INSTRUCTIONS.

B. BEGIN SYSTEM OPERATION AND MAINTENANCE IMMEDIATELY AFTER PLANTING AND SODDING.

C. ADJUST CONTROL SYSTEM TO ACHIEVE TIME CYCLES REQUIRED.

D. ADJUST HEAD TYPES FOR FULL WATER COVERAGE AS DIRECTED.

E. MAINTAIN UNDERGROUND IRRIGATION SYSTEM UNTIL FINAL ACCEPTANCE OF LANDSCAPE WORK.

3.11 CLOSEOUT ACTIVITIES

A. INSTRUCT OWNER'S PERSONNEL IN OPERATION AND MAINTENANCE OF SYSTEM, INCLUDING ADJUSTING OF SPRINKLER HEADS. USE OPERATION AND MAINTENANCE DATA AS BASIS FOR DEMONSTRATION.

FDOT Landscape Permit Number 2022-L-491-00010

GRAEF

9400 South Dadeland Boulevard
Suite 601
Miami, FL 33156
305 / 378 5555
305 / 279 4553 fax

www.graef-usa.com

CERTIFICATE OF AUTHORIZATION NO. 4270

SEAL / SIGNATURE:

THIS ITEM HAS BEEN DIGITALLY SIGNED AND SEALED BY PAOLO FERRERA PLA ON THE DATE ADJACENT TO THE SEAL. PRINTED COPIES OF THIS DOCUMENT ARE NOT CONSIDERED SIGNED AND SEALED AND THE SIGNATURE MUST BE VERIFIED ON ANY ELECTRONIC COPIES.

FOR THE FIRM: PAOLO FERRERA LA 6667216

PROJECT TITLE:

FT. LAUDERDALE BEACH PUBLIX

2965 NORTH OCEAN BOULEVARD
FT. LAUDERDALE BEACH, FLORIDA 33308

MR. RANDY J. HOLIHAN
BRANDON STRUCTURES
1167 Pasadena Place
Orlando, Florida 32803
(407) 898-9466 Fax (407) 896-9610

FDOT 07/22/2022

ISSUE:

NO.	DATE	REVISIONS	BY
	7/22/22	FDOT COMMENTS	

PROJECT INFORMATION:

PROJECT NUMBER:	20197040
DATE:	07-10-19
DRAWN BY:	P.F.
CHECKED BY:	N.H.O.
APPROVED BY:	P.F.
SCALE:	AS SHOWN

SHEET TITLE:

IRRIGATION SPECIFICATIONS

SHEET NUMBER:

IR-3

X:\MIA\20\19\20197040\Design\Drawings\IR-1 IRRIGATION
7/12/2024 1:13 PM

COUNTY:	**BROWARD**
SECTION:	**86050000**
STATE ROAD:	**A1A**
PERMIT:	**2022-L-491-00010**

EXHIBIT C

RESOLUTION

This Exhibit forms an integral part of the LANDSCAPE MAINTENANCE MEMORANDUM OF AGREEMENT between the FLORIDA DEPARTMENT OF TRANSPORTATION and the AGENCY.

Please see attached

COMMISSION AGENDA ITEM
DOCUMENT ROUTING FORM

2L

Today's Date: 10/7/2024

DOCUMENT TITLE: PUBLIX SUPER MARKETS, INC. – ASSUMPTION OF LIABILITY AND HOLD HARMLESS AGREEMENT

COMM. MTG. DATE: 10/1/2024 **CAM #:** 24-0668 **ITEM #:** CR-3 **CAM attached:** ☒YES ☐NO

Routing Origin: CAO **Router Name/Ext:** J. Larregui/5106 **Action Summary attached:** ☒YES ☐NO

CIP FUNDED: ☐ YES ☒ NO

Capital Investment / Community Improvement Projects defined as having a life of at least 10 years and a cost of at least $50,000 and shall mean improvements to real property (land, buildings, or fixtures) that add value and/or extend useful life, including major repairs such as roof replacement, etc. Term "Real Property" include: land, real estate, realty, or real.

---

1) Dept: TAM **Router Name/Ext:** G. Rizzuti-Smith/3764 **# of originals routed:** 2 **Date to CAO:** 10/4/24

---

2) City Attorney's Office: Documents to be signed/routed? ☒YES ☐NO # of originals attached: 2

Is attached Granicus document Final? ☒YES ☐NO Approved as to Form: ☒YES ☐NO

Date to CCO: 10/8/24 T. Ansbro ~~Shari C. Wallen~~ Attorney's Name ~~TA~~/JL Initials

---

3) City Clerk's Office: # of originals: 2 **Routed to:** Donna V./Amber C./CMO **Date:** 10/08/24

---

4) City Manager's Office: CMO LOG #:_____ Document received from: _____

Assigned to: SUSAN GRANT ☐ (Acting City Manager) ANTHONY FAJARDO ☐ (Assistant City Manager)
LAURA REECE ☐ (Acting Assistant City Manager) BEN ROGERS ☐ (Acting Assistant City Manager)

SUSAN GRANT as Acting CRA Executive Director ☐

☐ APPROVED FOR S. GRANT'S SIGNATURE ☐ N/A FOR S. GRANT TO SIGN

PER ACM: **Anthony Fajardo** _____ (Initial/Date)
PER AACM: **Laura Reece** _____ (Initial/Date) **Ben Rogers** _____ (Initial/Date)

☐ **PENDING APPROVAL** *(See comments below)*
Comments/Questions:_____

Forward ___ originals to ☐ Mayor ☐ CCO **Date:** _____

---

5) Mayor/CRA Chairman: Please sign as indicated.
Forward ___ originals to CCO for attestation/City seal (as applicable) **Date:** _____

---

6) City Clerk: Scan original and forwards 2 originals to: **G. Rizzuti-Smith/TAM/ Ext. 3764**

Attach ____ certified Reso # _____ ☐YES ☒NO **Original Route form to J. Larregui/CAO**

Rev. 5/14/2024