

SECTION No.: 86020000
Permit No.: 2020-L-491-00016
COUNTY: Broward
S.R. No.: 5

STATE OF FLORIDA DEPARTMENT OF TRANSPORTATION
DISTRICT FOUR
LANDSCAPE MAINTENANCE MEMORANDUM OF AGREEMENT

THIS AGREEMENT, made and entered into this _____ day of _____, 20____, by and between the **STATE OF 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, existing under the Laws of Florida, hereinafter called the **AGENCY**.

WITNESSETH:

WHEREAS, the **DEPARTMENT** has jurisdiction over **State Road 5 (Federal Highway/US 1)** as part of the State Highway System as described in **Exhibit "A"**; and

WHEREAS, the **AGENCY** seeks to have installed by permit and maintain certain landscape improvements within the right of way of **State Road 5 (Federal Highway / US 1)** as described within **Exhibit "B"**; and

WHEREAS, as part of the continual updating of the State of Florida Highway System, the **DEPARTMENT**, for the purpose of safety, protection of the investment and other reasons, has constructed and does maintain the highway facility as described in **Exhibit "A"** attached hereto and incorporated by reference herein, within the corporate limits of the **AGENCY**; and

WHEREAS, the **AGENCY** is agreeable to maintaining those landscape improvements within the **AGENCY'S** limits including plant materials, irrigation system and/or hardscape which may contain specialty surfacing (concrete pavers, color stamped concrete and color stamped asphalt [also known as patterned pavement]) including any other nonstandard hardscape (if applicable), but excluding standard concrete sidewalk, and agree such improvements shall be maintained by periodic mowing, fertilizing, weeding, litter pick-up, pruning, necessary replanting, irrigation repair and/or repair of the median concrete replacements associated with the specialty surfacing (if applicable) as needed; and

WHEREAS, it is the intent of the **AGENCY** and the **DEPARTMENT** that the **AGENCY** shall maintain all right of way within the medians, outside the travelway and improvements made to the travelway that was made at the request of the **AGENCY**; and

WHEREAS, the parties hereto mutually recognize the need for entering into an Agreement designating and setting forth the responsibilities of each party; and

WHEREAS, the **AGENCY** by Resolution No. _____ dated _____, 20____, attached hereto and by this reference made a part hereof, desires to enter into this Agreement and authorizes its officers to do so; and

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

1. The recitals set forth above are true and correct and are deemed incorporated herein.
2. INSTALLATION OF FACILITIES

The **AGENCY** shall install and agrees to maintain the *landscape improvements* described herein as: plant materials, irrigation and/or hardscape on the highway facilities substantially as specified in plans and specifications hereinafter referred to as the Project (s) and incorporated herein as **Exhibit "B"**. *Hardscape* shall mean, but not be limited to any site amenities such as landscape accent lighting, bike racks, fountain, tree grates, decorative free-standing wall, and/or sidewalk, median and/or roadway specialty surfacing such as concrete pavers, stamped colored concrete and/or stamped colored asphalt (also known as patterned pavement).

- (a) All plant materials shall be installed and maintained in strict accordance with sound nursery practice prescribed by the International Society of Arboriculture (ISA). All plant materials installed shall be Florida #1 or better according to the most current edition of Florida Department of Agriculture, *Florida Grades and Standards for Nursery Stock*; and all trees shall meet Florida Power & Light, *Right Tree, Right Place, South Florida*.
- (b) Trees and palms within the right of way shall be installed and pruned to prevent encroachment to roadways, lateral offsets and sidewalks. Definition of these criteria is included in the most current editions of FDOT standards for design, construction, maintenance, and utility operations on the state highway system and **Exhibit "C"**, the Maintenance Plan.
- (c) Tree and palm pruning shall be supervised by properly trained personnel trained in tree pruning techniques and shall meet the most current standards set forth by the International Society of Arboriculture (ISA) and the American National Standard Institute (ANSI), Part A-300.
- (d) Irrigation installation and maintenance activities shall conform to the standards set forth by the Florida Irrigation Society (FIS) latest edition of FIS, *Standards and Specifications for Turf and Landscape Irrigation Systems*.
- (e) The **AGENCY** shall provide the FDOT Local Operation Center accurate as-built plans of the irrigation system so if in the future there is a need for the **DEPARTMENT** to perform work in the area, the system can be accommodated as much as possible. (See paragraph (1) for contact information)
- (f) If it becomes necessary to provide utilities (water/electricity) to the median or side areas, it shall be the **AGENCY'S** responsibility to obtain a permit for such work through the local Operations Center (see paragraph (1) below) and the AGENCY shall be responsible for all associated fees for the installation and maintenance of these utilities.

- (g) All specialty surfacing shall be installed and maintained in strict accordance with the most current edition of the *Florida Accessibility Code for Building Construction* and the *Interlocking Concrete Pavement Institute (ICPI)*.
- (h) All activities, including landscape improvements installation and future maintenance operations performed on State highway right of way, must be in conformity with the most current edition of the *Manual on Uniform Traffic Control (MUTCD)* and *FDOT Design Standards, Index 600 Series, Traffic Control through Work Zones*.
- (i) The most current edition of *FDOT Design Standards, Index 546 (Sight Distance at Intersections)* must be adhered to.
- (j) Lateral Offsets as specified in the *FDOT Plans Preparation Manual, Volume 1, Chapters 2 and 4* must be adhered to.
- (k) Landscape improvements shall not obstruct roadside signs or permitted outdoor advertising signs, (see Florida Administrative Code [F.A.C.] Rule Chapter 14-10.)
- (l) The **AGENCY** shall provide the local FDOT Operation Center located at Broward Operations, 5548 NW 9th Avenue, Fort Lauderdale, FL 33309, (954)776-4300, a twenty-four (24) hour telephone number and the name of a responsible person that the **DEPARTMENT** may contact. The AGENCY shall notify the local maintenance office forty-eight (48) hours prior to the start of the landscape improvements.
- (m) If there is a need to restrict the normal flow of traffic, it shall be done on non-holiday, weekday off-peak hours (9 AM to 3 PM), and the party performing such work shall give notice to the local law enforcement agency within whose jurisdiction such road is located prior to commencing work on the landscape improvements. The **DEPARTMENT'S** Operation Center Public Information Officer (see telephone number in Paragraph (l) shall also be notified.
- (n) The **AGENCY** shall be responsible to clear all utilities within the landscape improvement limits before construction commences.
- (o) The **AGENCY** shall follow the minimum level of maintenance guidelines as set forth in FDOT'S Rule Chapter 14-40 *Highway Beautification and Landscape Management*, in the *FDOT Guide to Roadside Mowing and Maintenance Management System*, and **Exhibit "C"**, the *Maintenance Plan* for maintenance activities for landscape improvements.

3. MAINTENANCE OF FACILITIES

- A. The **AGENCY** agrees to maintain the landscape improvements, as existing and those to be installed, within the physical limits described in **Exhibit "A"** and as further described in **Exhibit "B"**. The non-standard improvements within and outside the travelway shall be maintained by the AGENCY regardless if the said improvement was made by the DEPARTMENT, the AGENCY, or others authorized pursuant to Section 7, by periodic mowing, pruning, fertilizing, weeding, curb and sidewalk edging, litter pickup, necessary replanting, irrigation system repair and/ or repair of any median

concrete replacement associated with specialty surfacing (if applicable) following the **DEPARTMENT'S** landscape safety and maintenance guidelines, **Exhibit "C"**, the Maintenance Plan. The AGENCY'S responsibility for maintenance shall include all landscaped, turfed and hardscape areas on the sidewalk or within the medians and areas outside the travelway to the right of way and/or areas within the travelway containing specialty surfacing. It shall be the responsibility of the AGENCY to restore an unacceptable ride condition of the roadway caused by the differential characteristics of non-standard travelway surfacing (if applicable) on DEPARTMENT right of way within the limits of this Agreement.

- B. Such maintenance to be provided by the **AGENCY** is specifically set out as follows: to maintain, which means to properly water and fertilize all plant materials; to keep them as free as practicable from disease and harmful insects; to properly mulch the planting beds; to keep the premises free of weeds; to mow the turf to the proper height; to properly prune all plants which at a minimum includes: (1) removing dead or diseased parts of plants, (2) pruning such parts thereof to provide clear visibility to signage, permitted outdoor advertising signs per Florida Statute 479.106 and for those using the roadway and/or sidewalk; (3) preventing any other potential roadway hazards. *Plant materials* shall be those items which would be scientifically classified as plants and including trees, palms, shrubs, groundcover and turf. To maintain also means to remove or replace dead or diseased plant materials in their entirety, or to remove or replace those that fall below original project standards. Palms shall be kept fruit free year-round. To maintain also means to keep the header curbs that contain the specialty surfacing treatment in optimum condition. To maintain also means to keep the nonstandard hardscape areas clean, free from weeds and to repair said hardscape as is necessary to prevent a safety hazard. To maintain also means to keep litter removed from the median and areas outside the travel way to the right of way line. All plants removed for whatever reason shall be replaced by plants of the same species type, size, and grade as specified in the original plans and specifications. Any changes to the original plans shall be submitted by permit application to the **DEPARTMENT** for review and approval.
- C. If it becomes necessary to provide utilities (water/electricity) to the medians or areas outside the travelway to maintain these improvements, all costs associated with the utilities associated for the landscape improvements including any impact and/or connection fees, and the on-going cost of utility usage for water and electrical, are the maintaining AGENCY'S responsibility.

The **AGENCY** shall be directly responsible for impact and connection fees.

- D. The maintenance functions to be performed by the **AGENCY** may be subject to periodic inspections by the **DEPARTMENT** at the discretion of the **DEPARTMENT**. Such inspection findings will be shared with the **AGENCY** and shall be the basis of all decisions regarding, repayment, reworking or agreement termination. The AGENCY shall not change or deviate from said plans without written approval of the DEPARTMENT.

4. NOTICE OF MAINTENANCE DEFICIENCIES

A. If at any time after the **AGENCY** has undertaken the landscape improvements installation and/or maintenance responsibility for the landscape improvements it shall come to the attention of the **DEPARTMENT'S** District Secretary that the limits, or a part thereof, are not properly maintained pursuant to the terms of this Agreement, said District Secretary, may at his/her option, issue a written notice that a deficiency or deficiencies exist(s), by sending a certified letter to the **AGENCY**, to place said **AGENCY** on notice thereof. Thereafter, the **AGENCY** shall have a period of thirty (30) calendar days within which to correct the cited deficiencies. If said deficiencies are not corrected within this time period, the **DEPARTMENT** may, at its option, proceed as follows:

- (1) Maintain the landscape improvements or any part thereof, with the **DEPARTMENT** or Contractor's personnel and invoice the **AGENCY** for expenses incurred, and/or
- (2) At the discretion of the **DEPARTMENT**, terminate the Agreement in accordance with Paragraph 9 of this Agreement and remove, by the **DEPARTMENT** or Contractor's personnel, all of the landscape improvements installed under this Agreement or any preceding Agreements, except as to trees and palms, and charge the **AGENCY** the reasonable cost of such removal.

5. FUTURE DEPARTMENT IMPROVEMENTS

It is understood between the parties hereto that the landscape improvements covered by this Agreement may be removed, relocated, or adjusted at any time in the future, as determined to be necessary by the **DEPARTMENT** in order that the adjacent state road be widened, altered, or otherwise changed to meet future criteria or planning needs of the **DEPARTMENT**.

The **AGENCY** shall be given sixty (60) calendar day notice to remove said landscape improvements at the **AGENCY's** expense after which time the **DEPARTMENT** may remove same. All permits (including tree permits), fees, and any mitigation associated with the removal, relocation or adjustments of these improvements are the maintaining **AGENCY'S** responsibility.

6. FUTURE AGENCY IMPROVEMENTS

The **AGENCY** may construct additional landscape improvements within the limits of the landscape improvements rights of ways identified as a result of this document, subject to the following conditions:

- (a) Plans for any new landscape improvements shall be subject to approval by the **DEPARTMENT**. The **AGENCY** shall not change or deviate from said plans without written approval by the **DEPARTMENT**.
- (b) All landscape improvements shall be developed and implemented in accordance with appropriate state safety and roadway design standards.

- (c) The **AGENCY** agrees to comply with the requirements of this Agreement with regard to any additional landscape improvements it chooses to have installed and there will be no cost to the **DEPARTMENT**.

7. ADJACENT PROPERTY OWNER IMPROVEMENTS

The **DEPARTMENT** may allow an adjacent property owner to construct additional landscape improvements within the limits of the right of way identified in **Exhibit "A"** of this Agreement that the **AGENCY** shall be responsible for maintaining under this Agreement, subject to the following conditions:

- (a) Plans for any new landscape improvements shall be subject to approval by the **DEPARTMENT** and shall require a valid permit attached with a letter of consent to said plans by the **AGENCY**. The plans shall not be changed or deviated from without written approval by the **DEPARTMENT** and the **AGENCY**.
- (b) All landscape improvements shall be developed and implemented in accordance with appropriate state safety and roadway design standards.
- (c) The **AGENCY** agrees to comply with the requirements of this Agreement with regard to any additional landscape improvements installed by an adjacent owner.

8. AGREEMENT TERM

The term of this Agreement commences upon execution by all parties. The term of this Agreement shall remain in effect for twenty-five (25) years.

9. AGREEMENT TERMINATION

In addition to those conditions otherwise contained herein, this Agreement may be terminated under anyone (1) of the following conditions:

- (a) By the **DEPARTMENT**, if the **AGENCY** fails to perform its duties under this Agreement, following ten (10) days written notice.
- (b) At the discretion of the **DEPARTMENT** with 60 days' notice.

10. LIABILITY AND INSURANCE REQUIREMENTS

- A. With respect to any of the **AGENCY'S** agents, consultants, sub-consultants, contractors and/or sub-contractors, such party in any contract for the landscape improvements shall agree to indemnify, defend, save and hold harmless the **DEPARTMENT** from all claims, demands, liabilities, and suits of any nature arising out of, because of or due to any intentional and/or negligent act or occurrence, omission or commission of such agents, consultants, subconsultants, contractors and/or subcontractors. The **AGENCY** shall provide to the **DEPARTMENT** written evidence of the foregoing upon the request of the **DEPARTMENT**. It is specifically understood and agreed that this indemnification clause does not cover or indemnify the **DEPARTMENT** for its own negligence.

B. In the event that **AGENCY** contracts with a third party to provide the services set forth herein, any contract with such third party shall include the following provisions:

- (1) **AGENCY'S** contractor shall at all times during the term of this Agreement keep and maintain in full force and effect, at contractor'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 than the latest edition of the Comprehensive General Liability and Worker's Compensation policy without restrictive endorsements, as filed by the Insurance Services Office. The **AGENCY** and **DEPARTMENT** shall be named as additional insured on such policies.
- (2) **AGENCY'S** contractor shall furnish **AGENCY** with Certificates of Insurance of Endorsements evidencing the insurance coverage specified herein prior to the beginning performance of work under this Agreement.
- (3) Coverage is not to cease and is to remain in full force and effect (subject to cancellation notice) until all performance required of **AGENCY'S** contractor is completed. All policies must be endorsed to provide the **DEPARTMENT** with at least thirty (30) day 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.

11. E-VERIFY REQUIREMENTS

The **AGENCY** shall:

- (a) Utilize the U.S. Department of Homeland Security's E-Verify system to verify the employment eligibility of all new employees hired by the **AGENCY** during the term of the contract; and
- (b) Expressly require any subcontractors performing work or providing services pursuant to the state contract to likewise utilize the U.S. Department of Homeland Security's E-Verify system to verify the employment eligibility of all new employees hired by the subcontractor during the contract term.

12. SUPERSEDED AGREEMENTS

This writing embodies the entire Agreement and understanding between the parties hereto and there are no other Agreements and understanding, oral or written, with reference to the subject matter hereof that are not merged herein and superseded hereby (except the associated landscape permit).

13. FISCAL TERMS

The **DEPARTMENT**, during any fiscal year, shall not expend money, incur any liability, or enter into any contract which, by its terms, involves the expenditure of money in excess of the

amounts budgeted as available for expenditure during such fiscal year. Any contract, verbal or written, made in violation of this subsection is null and void, and no money will/may be paid on such contract. The **DEPARTMENT** shall require a statement from the Comptroller of the **DEPARTMENT** that funds are available prior to entering into any such contract or other binding commitment of funds. Nothing herein contained shall prevent the making of contracts for periods exceeding one (1) year, but any contract so made shall be executory only for the value of the services to be rendered or agreed to be paid for in succeeding fiscal years; and this paragraph shall be incorporated verbatim in all contracts of the **DEPARTMENT** which are for an amount in excess of TWENTY-FIVE THOUSAND DOLLARS (\$25,000.00) and which have a term for a period of more than one year.

14. DISPUTES

The **DEPARTMENT'S** District Secretary shall decide questions, difficulties, and disputes of any nature whatsoever that may arise under or by reason of this Agreement, the prosecution or fulfillment of the service hereunder and the character, quality, amount and value thereof. Should the **AGENCY** disagree with the **DEPARTMENT's** District Secretary's decision, the **AGENCY** may pursue any and all legal and equitable remedies available under this Agreement.

15. ASSIGNMENT

This Agreement may not be assigned or transferred by the **AGENCY**, in whole or in part, without the prior written consent of the **DEPARTMENT**.

16. LAWS GOVERNING

This Agreement shall be governed by and construed in accordance with the laws of the State of Florida. In the event of a conflict between any portion of the contract and Florida law, the laws of Florida shall prevail. Venue with respect to judicial proceedings arising out of this Agreement shall be in Broward County, Florida.

17. NOTICES

Any and all notices given or required under this Agreement shall be in writing and either personally delivered with receipt acknowledgement or sent by certified mail, return receipt requested. All notices shall be sent to the following addresses:

If to the DEPARTMENT:

State of Florida Department of Transportation
3400 West Commercial Blvd.
Ft. Lauderdale, FL 33309-3421
Attn: FDOT District 4 Landscape Architect

If to the AGENCY:

City of Fort Lauderdale
100 N. Andrews Avenue
Fort Lauderdale, FL 33301
Attn: City Manager

18. LIST OF EXHIBITS

- Exhibit A: Landscape Improvements Maintenance Boundaries
- Exhibit B: Landscape Improvement Plans
- Exhibit C: Maintenance Plan for Landscape Improvements

IN WITNESS WHEREOF, the parties hereto have executed this Agreement effective the day and year first above written.

CITY OF FORT LAUDERDALE, through its
CITY COMMISSIONERS

By: _____
Dean J. Trantalis, Mayor

_____ day of _____, 2022

Greg Chavarria
City Manager

Approved as to form:
Alain Boileau, City Attorney

Kimberly Cunningham Mosley
Assistant City Attorney

ATTEST:

David R. Soloman, City Clerk

(SEAL)

**STATE OF FLORIDA
DEPARTMENT OF TRANSPORTATION**

By: _____
Transportation Development Director

Attest: _____
Executive Secretary

Legal Review

Date

Office of the General Counsel

SECTION No.:	86020000
Permit No.:	2020-L-491-00016
COUNTY:	Broward
S.R. No.:	5

EXHIBIT A

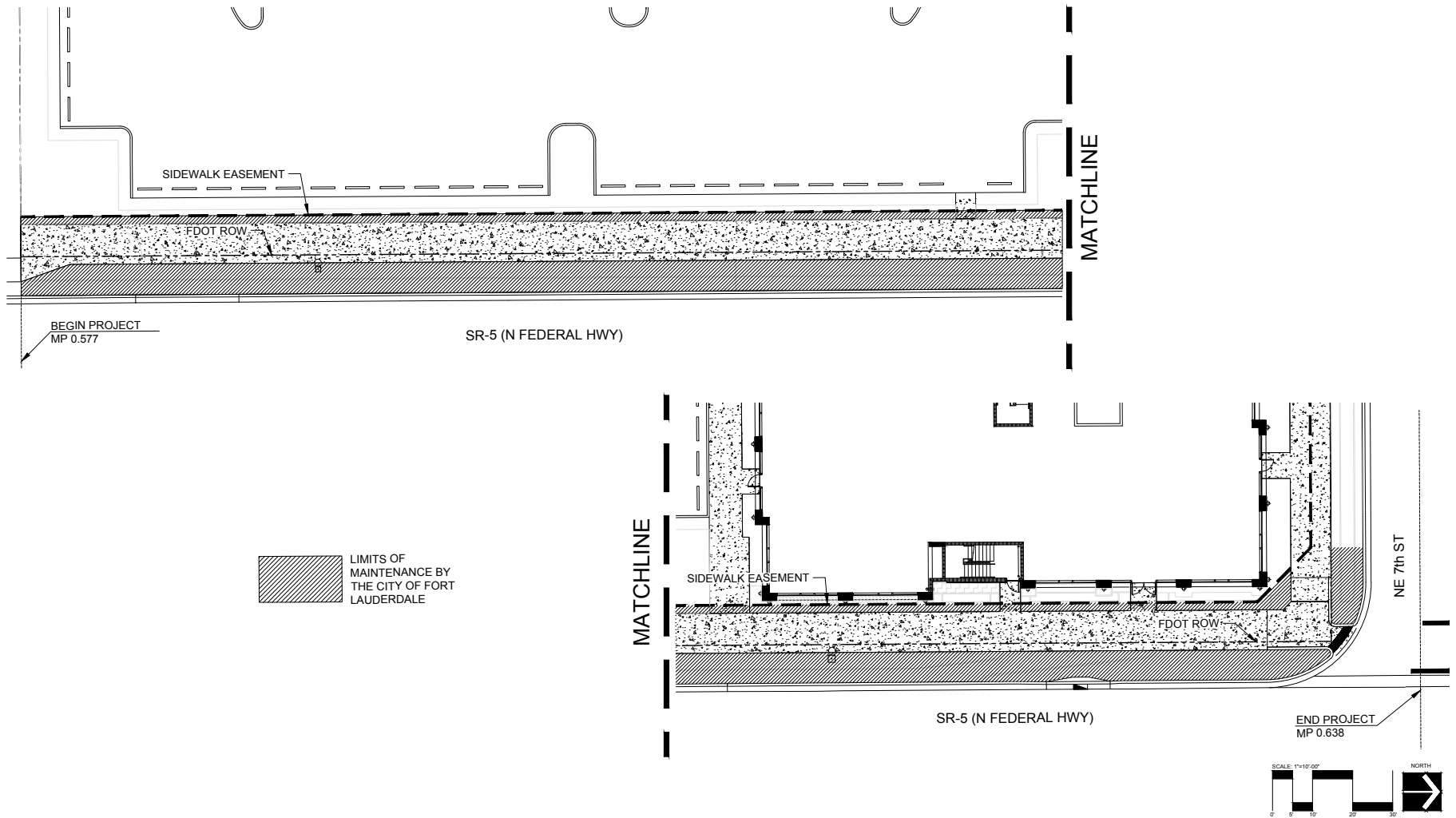
LANDSCAPE IMPROVEMENTS MAINTENANCE BOUNDARIES

I. LIMITS OF MAINTENANCE FOR LANDSCAPE IMPROVEMENTS

State Road 5 (Federal Highway / US 1) from M.P. 0.577 to M.P. 0.638 (N.E. 7th Street)

II. LANDSCAPE IMPROVEMENTS MAINTENANCE RESPONSIBILITIES MAP:

Please see attached map



LANDSCAPE IMPROVEMENT
 MAINTENANCE BOUNDARY MAP
 CITY OF FORT LAUDERDALE
 FDOT PERMIT # 2020-L-491-00016
 SR 5
 MP 0.577 TO MP 0.638
 APRIL 12, 2022

SECTION No.:	86020000
Permit No.:	2020-L-491-00016
COUNTY:	Broward
S.R. No.:	5

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: **Hugh F. Johnson, RLA**
Architectural Alliance Landscape

Date: May 10, 2022



LOCATION MAP



699 N FEDERAL HIGHWAY

SCOPE OF WORK

STATE ROAD NO: 5 (N Federal Hwy)
MILE POST: 0.577 TO 0.638

FDOT SPECIFICATIONS AND DESIGN STANDARDS

Geometric Standard Plans: Florida Department of Transportation, FY 2021-22 Standard Plans for Road and Bridge Construction and Maintenance (IR)

Geometric Standard Specifications: Florida Department of Transportation, 2022 Standard Specifications for Road and Bridge Construction
ROADWAY DESIGN SPEED FOR SR-5 = 35 MPH

INDEX OF SHEETS

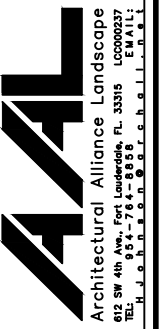
SHEET NO.	TITLE
CS-1	COVER SHEET

LANDSCAPE ARCHITECTURE

LP-1	LANDSCAPE PLAN
LP-2	PLANTING NOTES & DETAILS

IRRIGATION

IR-1	IRRIGATION PLAN
IR-2	IRRIGATION DETAILS



HUGH JOHNSON
FLA #855

2/28/22
3/25/22

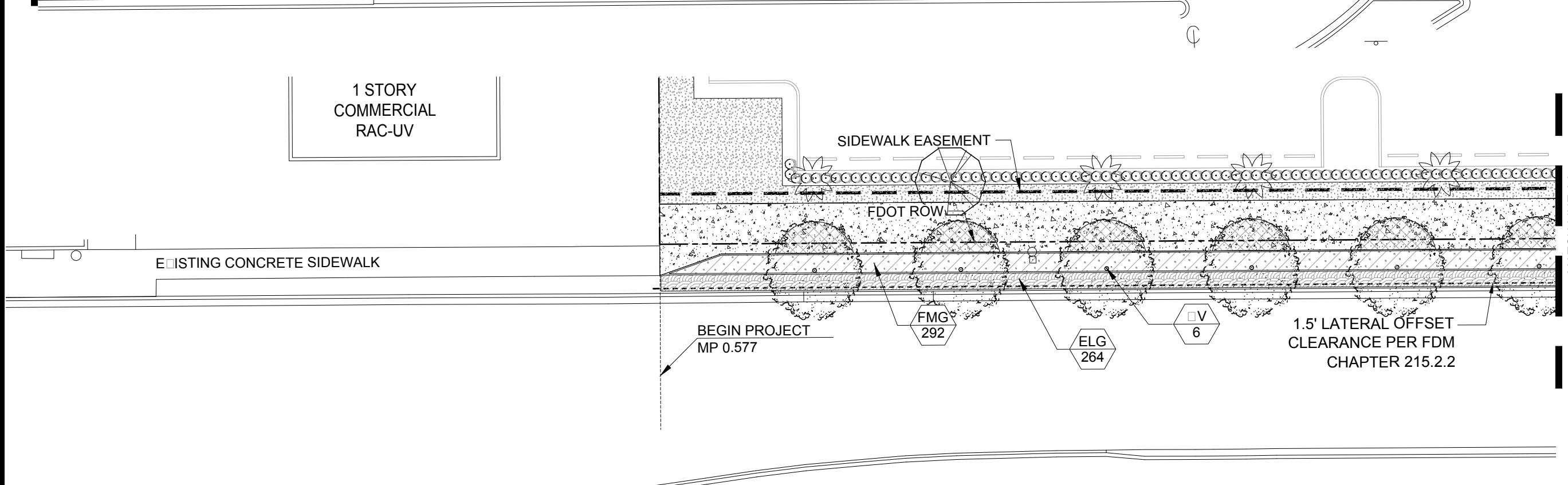
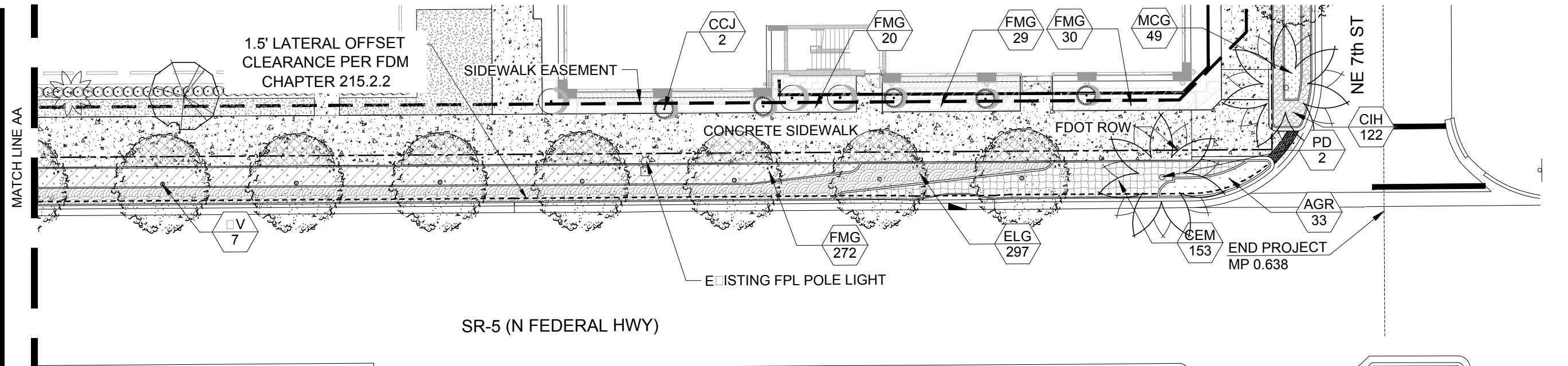
FDOT SUBMITTAL
699 N FEDERAL HIGHWAY
 FLAGLER SMITH, LLC
 FORT LAUDERDALE, FL

Sheet Title
COVER SHEET

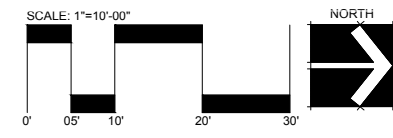
Revised Date
10-20-20

Project Number
1829B

Drawn Number
CS-1



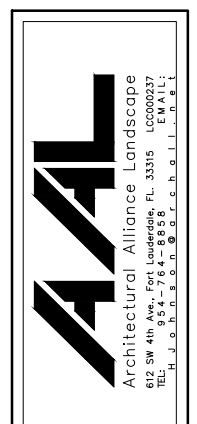
PLANT SCHEDULE FDOT ROW								
TREES	TY	BOTANICAL NAME	COMMON NAME	CAL.	SIZE	NATIVE	DROUGHT	
PD	2	PHOENIX DACTYLIFERA 'MEDJOL'	MEDJOL DATE PALM		22" OA HT., 14" CT MIN	NO	HIGH	
V	9	QUERCUS VIRGINIANA 'HIGHRISE'	HIGHRISE LIVE OAK	4" DBH	16" HT. x 8" SPR., 8.5" CT	YES	HIGH	
SHRUBS	TY	BOTANICAL NAME	COMMON NAME	CAL.	SIZE	NATIVE	DROUGHT	
CCJ	2	CAPPARIS CYNOPHALLPHORA	JAMAICAN CAPER		24" HT x 24" SPR	YES	HIGH	
GROUND COVERS	TY	BOTANICAL NAME	COMMON NAME	CAL.	SIZE	NATIVE	DROUGHT	SPACING
AGR	33	ARACHIS GLABRATA	PERENNIAL PEANUT 'LARGE LEAF'		6" HT x 12" SPR	NO	HIGH	18" x 18"
CEM	153	CARISSA MACROCARPA 'EMERALD BLANKET'	EMERALD BLANKET CARISSA		12" HT x 12" SPR	NO	HIGH	18" x 18"
CIH	122	CHRYSOBALANUS ICACO 'HORIZONTALIS'	HORIZONTAL COCOPLUM		12" HT x 12" SPR	YES	HIGH	18" x 18"
ELG	367	ERNODEA LITTORALIS	GOLDEN CREEPER		6" HT. x 12" SPR.	YES	HIGH	18" x 18"
FMG	643	FICUS MICROCARPA 'GREEN ISLAND'	GREEN ISLAND FICUS		14" HT x 16" SPR	NO	HIGH	18" x 18"
MCG	49	MUHLBERGIA CAPILLARIS	PINK MUHLY GRASS		18" HT. x 18" SPR.	YES	HIGH	24" x 24"



MINIMUM PLANTING VERTICAL CLEARANCE, as required by the FDOT Minimum Right-of-Way Profile:

- Side Slopes = 8.5' Vertical Clearance
- Roadway = 14.5' Vertical Clearance

Existing and proposed trees and plants must meet the Minimum Vertical Clearance of 8.5' Clear Trees should be removed or topped in order to meet the minimum clearance, if not considered a certified tree.



HUGH JOHNSON
RLA #855

2/28/22
3/25/22

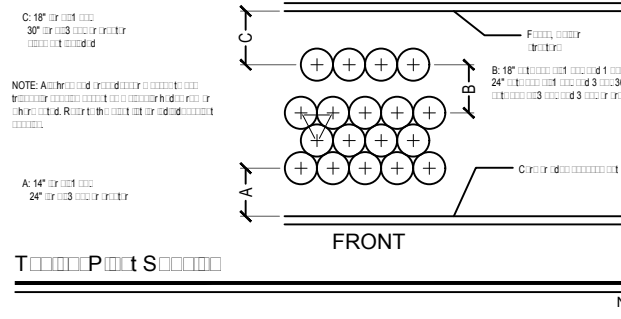
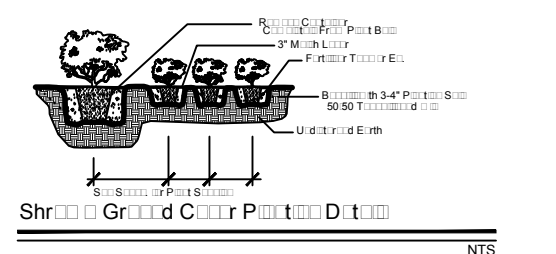
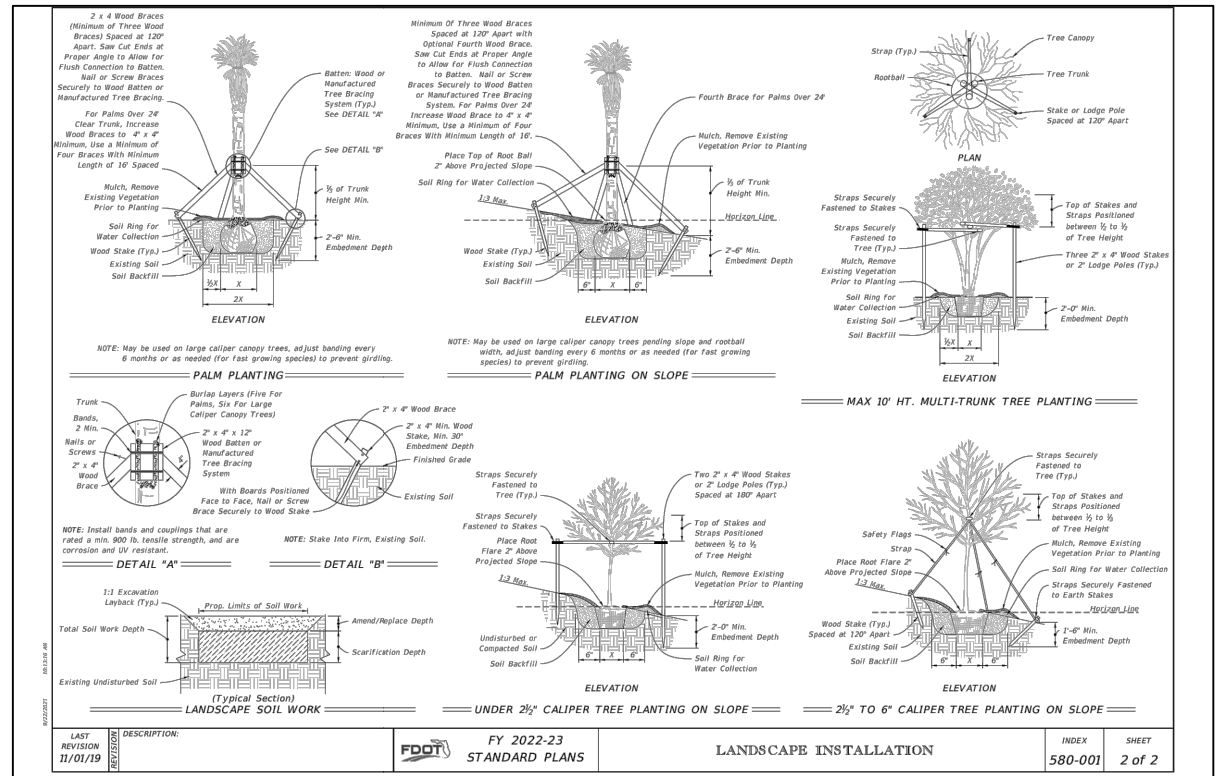
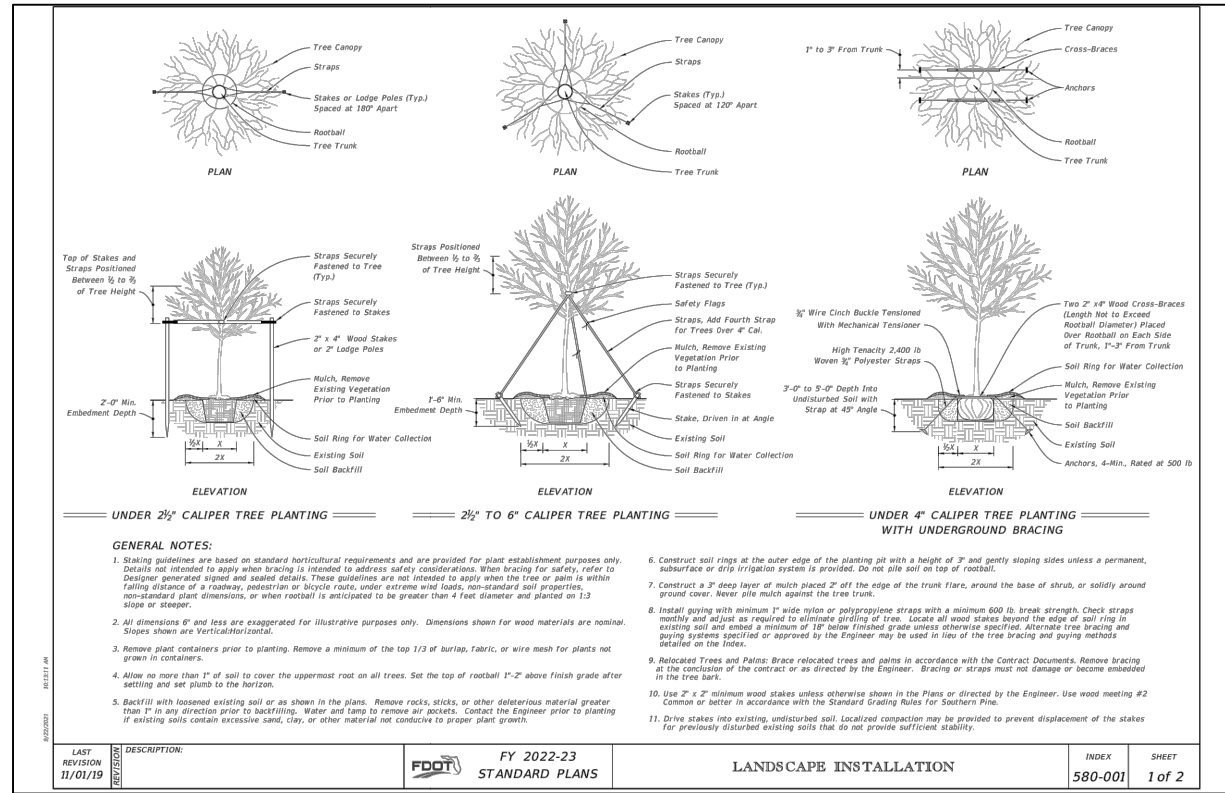
LANDSCAPE PLAN
699 N FEDERAL HIGHWAY
FLAGLER SOUTH, LLC
FORT LAUDERDALE, FL

Sheet Title: LANDSCAPE PLAN
Revision: 10-20-20
Project Number: 1829B
Drawing Number: LP-1

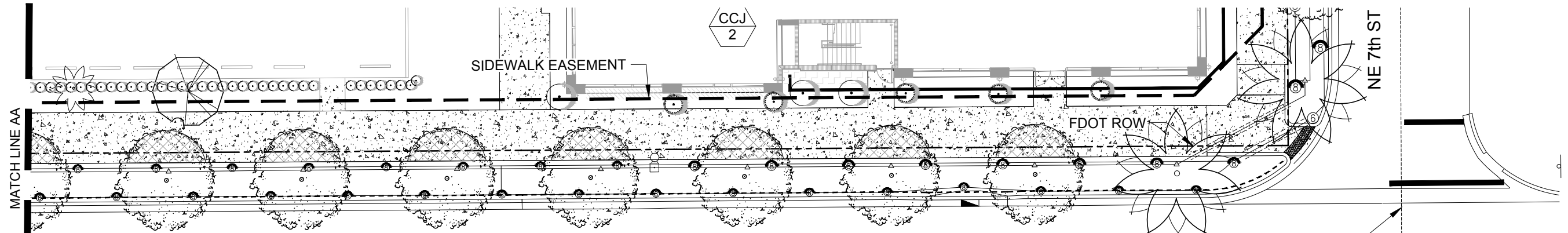
- GOVERNING STANDARD PLANS: FDOT Standard Plans for Road and Bridge Construction, FY 2021-22 Standard Plans for Road and Bridge Construction and Standard Plans for Road and Bridge Construction (IRV).
website: <https://www.fdot.gov/design/standardplans>
GOVERNING STANDARD SPECIFICATIONS: FDOT Standard Specifications for Road and Bridge Construction, 2022 Standard Specifications for Road and Bridge Construction
<https://www.fdot.gov/programmanagement/implemented/specbooks>
- Contractor shall refer to the FDOT Standard Specifications for Road and Bridge Construction, 2022 Standard Specifications for Road and Bridge Construction, and the FDOT Standard Specifications for Road and Bridge Construction, 2022 Standard Specifications for Road and Bridge Construction.
- All dimensions shall be as shown on the FDOT Right of Way plan or as shown on the FDOT Right of Way plan or as shown on the FDOT Right of Way plan.
- Contractor shall refer to the FDOT Standard Specifications for Road and Bridge Construction, 2022 Standard Specifications for Road and Bridge Construction, and the FDOT Standard Specifications for Road and Bridge Construction, 2022 Standard Specifications for Road and Bridge Construction.
- Minimum of three wood braces (MOT) or three wood stakes with FDOT Standard Plan 102-010 (102-010) and the FDOT Standard Plan 102-005, 102-010, 102-045, and 102-075.
- Permittees shall refer to the Right-of-Way plan, to the Standard Specifications for Road and Bridge Construction, and the Right-of-Way plan.
- Retained height shall be maintained from 9:00 a.m. to 3:30 p.m., (Monday-Friday), unless otherwise indicated on the contract.
- Permittees shall refer to the FDOT Standard Plan 102-005, 102-010, 102-045, and 102-075.
- Permittees shall refer to the FDOT Standard Plan 102-005, 102-010, 102-045, and 102-075.

FDOT PLANTING NOTES

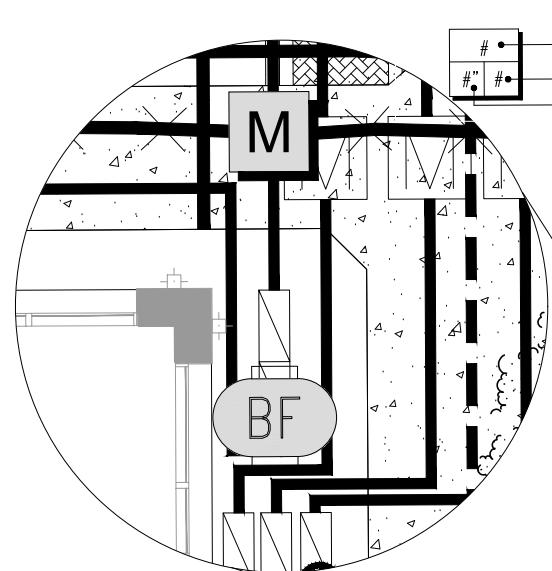
- For the FDOT Right of Way plan, refer to the FDOT Right of Way plan, to the FDOT Standard Plan 102-005, 102-010, 102-045, and 102-075.
- For the FDOT Right of Way plan, refer to the FDOT Standard Plan 102-005, 102-010, 102-045, and 102-075.
- Contractor shall refer to the FDOT Standard Plan 102-005, 102-010, 102-045, and 102-075.



AAAL
 Architectural Alliance Landscape
 616 SW 4th Ave., Fort Lauderdale, FL 33315
 TEL: 954.366.6666 FAX: 954.366.6666
 HUGH JOHNSON
 RLA #655
 2/28/22
 3/25/22
 PLANTING NOTES - DETAILS
699 N FEDERAL HIGHWAY
 FLAGLER SOUTH, LLC
 FORT LAUDERDALE, FL
 PLANTING NOTES - DETAILS
 RLA #655
 10-20-20
 PROJECT NUMBER
 1829B
 DRAWN BY
LP-2
 Exhibit 1
 Page 16 of 25

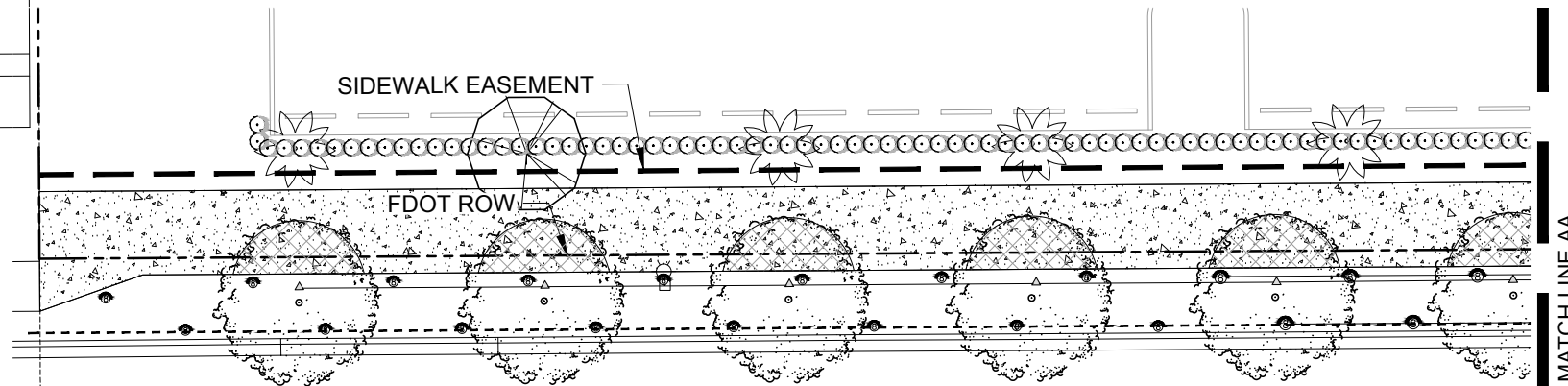


IRRIGATION SCHEDULE FDOT ROW		
SYMBOL	MANUFACTURER MODEL DESCRIPTION	QTY
	RAIN BIRD 1812-SAM-PRS 8 SERIES MPR SHRUB SPRAY 12.0" POP-UP LOW-TRAJECTORY SPRINKLER WITH CO-MOLDED WIPER SEAL, 1.2" NPT FEMALE THREADED INLET, WITH SEAL-A-MATIC CHECK VALVE, AND PRESSURE REGULATING DEVICE.	38
	RAIN BIRD 1812-SAM-PRS ADJ SHRUB SPRAY 12.0" POP-UP LOW-TRAJECTORY SPRINKLER WITH CO-MOLDED WIPER SEAL, 1.2" NPT FEMALE THREADED INLET, WITH SEAL-A-MATIC CHECK VALVE, AND PRESSURE REGULATING DEVICE.	1
	RAIN BIRD 1800-1400 FLOOD 1401 FIXED FLOW RATE (0.25-2.0GPM), FULL CIRCLE BUBBLER, 1.2" FIPT.	9
SYMBOL	MANUFACTURER MODEL DESCRIPTION	QTY
	IRRIGATION LATERAL LINE: PVC CLASS 200 SDR 21	810.8 L.F.



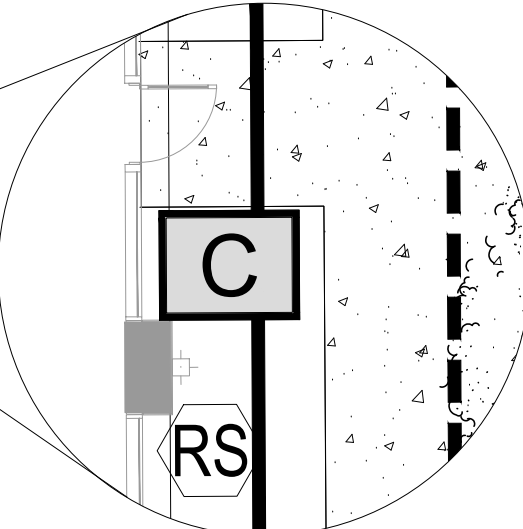
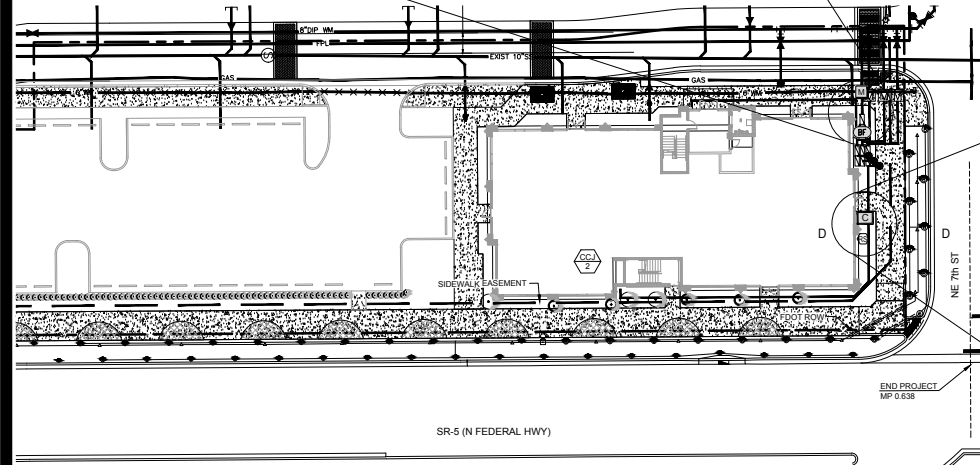
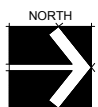
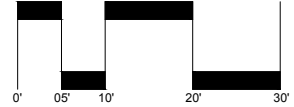
Valve Callout

- # Valve Number
- #/# Valve Flow
- # Valve Size

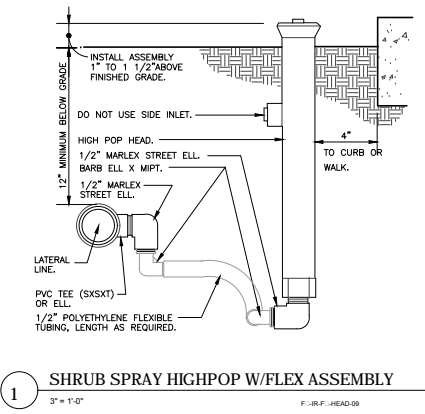


POC AND BFPD LOCATION

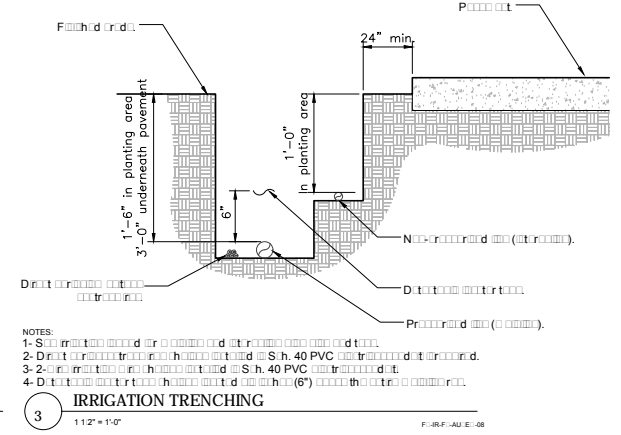
SCALE: 1"=10'-00"



CONTROLLER RAIN SENSOR LOCATION

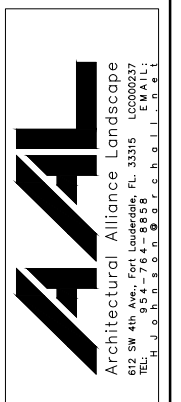


1 SHRUB SPRAY HIGHPOP W/FLEX ASSEMBLY 3" x 1'-0"



3 IRRIGATION TRENCHING 1 1/2\"/>

- NOTES:
- 1-5' ...
 - 2- ...
 - 3-2- ...
 - 4- ...



HUGH JOHNSON
RLA #685

2/28/22
3/25/22

IRRIGATION PLAN
699 N FEDERAL HIGHWAY
FLAGLER SOUTH, LLC
FORT LAUDERDALE, FL

Sheet No. 10-20-20
Project No. 1829B

IR-1

FDOT LANDSCAPE PERMIT NO: 2020-L-491-0006 AM # 22-0679

WIRING

Irrigation controllers shall be three phase and shall be mounted on a three phase controller rack, outdoor or indoor depending on location. It shall be installed as follows:

Trench and conduit shall be a minimum of 10' and run parallel to the roadway. At a minimum distance, a 2" x 2" conduit. At a minimum depth, conduit shall be 3" and PVC shall be a minimum of 30" below the surface. Main controller shall be installed with 3MDFYR conduit.

Non-air conditioning, outdoor controllers shall be installed to the south. Non-air conditioning units, weather proofed and at the controller.

- Wire size, see schedule and schedule as follows:
- #14 wire for control
 - #14 wire for power
 - #14 wire for power and hot line
 - #14 wire for hot line

Score lines
 Lay out each controller, run the cable and the distance (not over 500 feet). Lay out 1" x 1" x 2" (2" tall) and 3" hit lines (6" tall). Lay out the cable into each RCV area then run the cable into the main controller area. The cable shall be 1/2" thick and shall be installed in the trench. Contractor to ensure that the trench is 10" deep and the controller is 10" deep. The trench shall be 10" deep and the controller shall be 10" deep. The trench shall be 10" deep and the controller shall be 10" deep.

Contractor and submittal Control Panel - Contractor to provide 4" x 8" x 5/8" stainless steel, 5/8" x 10" stainless steel, 1/2" x 10" stainless steel, 1/2" x 10" stainless steel, 1/2" x 10" stainless steel, #6 stainless steel wire, and earth ground of electrical system and other required. See schedule as detailed in the data. Contractor to ensure that the trench is 10" deep and the controller is 10" deep. The trench shall be 10" deep and the controller shall be 10" deep. The trench shall be 10" deep and the controller shall be 10" deep.

LAYOUT

Lay out irrigation system a minimum of 10' from the roadway. Main the controller and the controller to the main controller. Main the controller and the controller to the main controller.

Stake controller head locations. Add the location and a minimum of 10' from the roadway. Stake the location and a minimum of 10' from the roadway. Stake the location and a minimum of 10' from the roadway.

Shrub heads shall be 4" into the ground or 4" into the ground. 12" into the ground. 12" into the ground. 12" into the ground. 12" into the ground. 12" into the ground. 12" into the ground. 12" into the ground.

Shrub heads shall be 2" x 4" SCH 40 PVC pipe. The pipe shall be 2" x 4" x 18" stainless steel, 2" x 4" x 18" stainless steel, 2" x 4" x 18" stainless steel, 2" x 4" x 18" stainless steel, 2" x 4" x 18" stainless steel, 2" x 4" x 18" stainless steel, 2" x 4" x 18" stainless steel, 2" x 4" x 18" stainless steel.

Lay out controller to controller. Ensure that the controller is 10' from the roadway. Lay out the controller to controller. Ensure that the controller is 10' from the roadway. Lay out the controller to controller. Ensure that the controller is 10' from the roadway.

VALVES

Specify schedule as to that the valve is the POC. Specify schedule as to that the valve is the POC. Specify schedule as to that the valve is the POC.

Add the main controller with RCV to ensure that 10' from the roadway. Add the main controller with RCV to ensure that 10' from the roadway. Add the main controller with RCV to ensure that 10' from the roadway.

Under the controller head, add the controller to the controller. Under the controller head, add the controller to the controller. Under the controller head, add the controller to the controller.

EQUIPMENT

Under the head and three main heads, add the controller. Under the head and three main heads, add the controller. Under the head and three main heads, add the controller.

Under the head, add the controller to the controller. Under the head, add the controller to the controller. Under the head, add the controller to the controller.

TRENCHING

Excavate trench and install trench. Trench width and depth shall be 10" and 30" respectively. Excavate trench and install trench. Trench width and depth shall be 10" and 30" respectively.

Protect existing underground lines. Run the cable and the controller to the controller. Protect existing underground lines. Run the cable and the controller to the controller.

INSTALLATION

Specify Wire Size: 1/2" x 10" stainless steel wire. 1/2" x 10" stainless steel wire. 1/2" x 10" stainless steel wire. 1/2" x 10" stainless steel wire. 1/2" x 10" stainless steel wire. 1/2" x 10" stainless steel wire. 1/2" x 10" stainless steel wire. 1/2" x 10" stainless steel wire.

BACK FILL

The trench shall be 6" deep, 6" wide, and gravel shall be 2" deep and 6" wide. The trench shall be 6" deep, 6" wide, and gravel shall be 2" deep and 6" wide.

- Minimum trench width shall be a minimum of the following:
- 24" x 30" x 3" - 2" PVC with 30" x 30" x 3" at the bottom
 - 30" x 30" x 3" - 4" PVC with 36" x 36" x 3" at the bottom

LATERALS

- 18" x 30" x 3" - 3" PVC with 30" x 30" x 3" at the bottom
- 24" x 30" x 3" - 4" PVC with 30" x 30" x 3" at the bottom

Contractor shall ensure that the lateral is 10' from the roadway. Contractor shall ensure that the lateral is 10' from the roadway. Contractor shall ensure that the lateral is 10' from the roadway.

FLUSHING

Prior to the start of irrigation, flush the system for a minimum of 10' from the roadway. Prior to the start of irrigation, flush the system for a minimum of 10' from the roadway.

Prior to the start of irrigation, flush the system for a minimum of 10' from the roadway. Prior to the start of irrigation, flush the system for a minimum of 10' from the roadway.

Under the head and add the head for the controller. Under the head and add the head for the controller.

TESTING

Shrub heads shall be 2" x 4" x 18" stainless steel. Shrub heads shall be 2" x 4" x 18" stainless steel.

Minimum: Run the cable to the controller and the controller to the controller. Minimum: Run the cable to the controller and the controller to the controller.

Under the head and add the head for the controller. Under the head and add the head for the controller.

Laterals: The laterals shall be 10' from the roadway. Laterals: The laterals shall be 10' from the roadway.

Contractor to ensure that the controller is 10' from the roadway. Contractor to ensure that the controller is 10' from the roadway. Contractor to ensure that the controller is 10' from the roadway.

Under the head and add the head for the controller. Under the head and add the head for the controller.

SUBMITTALS

Pre-Construction: Drawings (5) shall be submitted to the engineer. Pre-Construction: Drawings (5) shall be submitted to the engineer.

After final inspection:

After final inspection, the contractor shall provide the controller.

1. Irrigation As-built - Contractor shall provide as-built drawings for the controller.
2. Contractor's - Under the head and add the head for the controller.
3. Groundwater - Provide groundwater report for each controller.

INSPECTIONS AND COORDINATION MEETINGS REQUIRED - Contractor to provide to the engineer, orders, and attend the meetings, and also contribute to the controller.

1. Pre-Construction - Drawings and contractor shall provide drawings to the engineer.
2. Minimum trench width shall be a minimum of the following.
3. Minimum trench width shall be a minimum of the following.
4. FDOT or contractor shall provide drawings to the engineer.
5. Contractor shall provide drawings to the engineer.
6. FDOT or contractor shall provide drawings to the engineer.
7. FDOT or contractor shall provide drawings to the engineer.

FINAL ACCEPTANCE

Final acceptance shall be provided to the engineer. Final acceptance shall be provided to the engineer.

1. As-built drawings shall be provided to the engineer.
2. Contractor shall provide drawings to the engineer.
3. Contractor shall provide drawings to the engineer.
4. As-built drawings shall be provided to the engineer.

GUARANTEE: The contractor shall provide a warranty for the controller.

MINIMUM RECOMMENDED IRRIGATION MAINTENANCE PROCEDURES

1. Ensure that the controller is 10' from the roadway. Ensure that the controller is 10' from the roadway.

A. Trench and conduit shall be a minimum of 10' from the roadway. Trench and conduit shall be a minimum of 10' from the roadway.

B. Controller shall be 10' from the roadway. Controller shall be 10' from the roadway.

C. Controller shall be 10' from the roadway. Controller shall be 10' from the roadway.

D. Controller shall be 10' from the roadway. Controller shall be 10' from the roadway.

E. Controller shall be 10' from the roadway. Controller shall be 10' from the roadway.

1. Provide a minimum of 10' from the roadway.
2. Provide a minimum of 10' from the roadway.
3. Provide a minimum of 10' from the roadway.
4. Provide a minimum of 10' from the roadway.
5. Provide a minimum of 10' from the roadway.
6. Provide a minimum of 10' from the roadway.
7. Provide a minimum of 10' from the roadway.

H. Controller shall be 10' from the roadway. Controller shall be 10' from the roadway.

I. Controller shall be 10' from the roadway. Controller shall be 10' from the roadway.

J. Controller shall be 10' from the roadway. Controller shall be 10' from the roadway.

K. Controller shall be 10' from the roadway. Controller shall be 10' from the roadway.

L. Controller shall be 10' from the roadway. Controller shall be 10' from the roadway.

M. Controller shall be 10' from the roadway. Controller shall be 10' from the roadway.

N. Controller shall be 10' from the roadway. Controller shall be 10' from the roadway.

O. Controller shall be 10' from the roadway. Controller shall be 10' from the roadway.

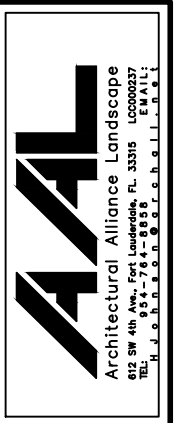
P. Controller shall be 10' from the roadway. Controller shall be 10' from the roadway.

SOIL MOISTURE SENSOR (When applicable)

1. Provide a minimum of 10' from the roadway.
2. Provide a minimum of 10' from the roadway.
3. Provide a minimum of 10' from the roadway.

FDOT IRRIGATION NOTES

1. The irrigation system shall be installed to the controller.
2. FDOT requires 24-hour protection for the controller.
3. Contractor shall provide FDOT District Office with a set of "As-Built" irrigation plans.



HUGH JOHNSON
 PLA#655
 S.I.T.O.

2/28/22
 3/25/22
 R.I.T.O.D.I.T.O.

IRRIGATION NOTES
699 N FEDERAL HIGHWAY
 FLAGLER SOUTH, LLC
 FORT LAUDERDALE, FL

Sheet Number
 IRRIGATION NOTES

Revision
 10-20-20

Project Number
 1829B

Drawn By
IR-2

SECTION No.: 86020000
Permit No.: 2020-L-491-00016
COUNTY: Broward
S.R. No.: 5

EXHIBIT C

MAINTENANCE PLAN FOR LANDSCAPE IMPROVEMENTS

This Exhibit forms an integral part of the DISTRICT FOUR (4) LANDSCAPE MAINTENANCE MEMORANDUM OF AGREEMENT between the State of Florida, Department of Transportation and the **AGENCY**.

Please see attached

MAINTENANCE PLAN

Landscape Improvements

Project State Road No: State Road 5 (Federal Hwy / US 1) from
M.P. 0.577 to M.P. 0.638 (N.E. 7th Street)
Permit: 2020-L-491-000016
Maintaining Agency: City of Fort Lauderdale
RLA of Record: Hugh F. Johnson, RLA
Date: April 12, 2022

The purpose of a plan for the landscape improvements maintenance practices is to allow the plant material on your project to thrive in a safe and vigorous manner while fulfilling their intended purpose and conserving our natural resources. Plantings and all other landscape improvements within FDOT right of way shall be maintained to avoid potential roadway hazards and to provide required clear visibility, accessibility, clearance, and setbacks as set forth by Florida Department of Transportation (FDOT) governing standards and specifications: FDOT Standard Plans, FDOT Plans Design Manual and FDOT Standard Specifications for Road and Bridge Construction, as amended by contract documents, and all other requirements set forth by the District 4 Operations Maintenance Engineer.

The initial portion of the Maintenance Plan (Part I) describes general maintenance requirements and recommendations. The concluding section (Part II) provides recommendations prepared by the Registered Landscape Architect of Record specific to the attached approved plans.

PART I. GENERAL MAINTENANCE REQUIREMENTS AND RECOMMENDATIONS:

WATERING REQUIREMENTS

Watering is a critical concern for not only the maintenance of healthy plant material but also for observing water conservation practices. The amount of water to apply at any one time varies with the weather, drainage conditions and water holding capacity of the soil. For plant materials that have been established, it is imperative that any mandated water restrictions be fully conformed to on FDOT roadways.

Proper watering techniques should provide even and thorough water dispersal to wet the entire root zone, but not saturate the soil or over-spray onto travel lanes.

IRRIGATION SYSTEM

The Agency shall ensure there are no roadway overspray or irrigation activities during daytime hours (most notably "rush hour" traffic periods). It is imperative the irrigation controller is properly set to run early enough that the watering process will be entirely completed before high traffic periods, while adhering to mandated water restrictions. To ensure water conservation, the Agency shall monitor the system for water leaks and the rain sensors to ensure they are functioning properly so that the system shuts down when there is sufficient rainfall.

MULCHING

Mulch planting beds to prevent weed growth, retain moisture to the plants, protect against soil erosion and nutrient loss, maintain a more uniform soil temperature, and improve the appearance of the planting beds. Do not mound mulch against the trunks of trees, palms, and the base of shrubs to allow air movement which aids in lowering disease susceptibility. Cypress mulch is prohibited on state right of way.

INTEGRATED PLANT MANAGEMENT

An assessment of each planting area's soil is recommended to periodically determine the nutrient levels needed to sustain healthy, vigorous plant growth.

Palms, shrubs, trees, and turf areas shall be fertilized in such a manner and frequency to ensure that the plant material remains healthy and vigorously growing. Please be alert to changes in fertilization types per University of Florida, Institute of Food and Agricultural Services (I.F.A.S.) recommendations. Establishment of an integrated pest management program is encouraged to ensure healthy plants, which are free of disease and pests.

PRUNING

All pruning, and the associated safety criteria, shall be performed according to American National Standard Institute (ANSI) A300 standards and shall be supervised by an International Society of Arboriculture (ISA) Certified Arborist. Pruning shall be carried out with the health and natural growth of plant materials in mind, to achieve the FDOT requirements for maintaining clear visibility for motorists, and provide vertical clearance for pedestrian, bicyclist, and truck traffic where applicable. Visibility windows must be maintained free of view obstructions, and all trees and palms must be maintained to prevent potential roadway and pedestrian hazards. All palms are to be kept fruit free. The understory plant materials selected for use within the restricted planting areas (Limits of Clear Sight) are to be mature height in compliance with the *FDM Window Detail*. Vertical clear zones for vegetation heights over roadways and sidewalks must meet the requirements of the *FDOT Maintenance Rating Program* (MRP) standards. See Reference pages. The R.L.A. of Record will provide the specific pruning heights for mature or maintained height and spread of all plant material to achieve the design intent shall be noted in Part II., Specific Project Site Maintenance Requirements and Recommendations.

STAKING AND GUYING

All staking materials are to be removed after one year or as directed by the RLA of Record.). Any subsequent staking and guying activities by the Agency must adhere to *FDOT Standard Plans* guidelines (See Index 580-001). The Agency shall closely monitor staking and guying attachment materials so that they are securely fastened to avoid potential roadway hazards.

TURF MOWING

All grassed areas are to be mowed and trimmed with sufficient frequency to maintain a deep, healthy root system while providing a neat and clean appearance to the urban landscape. All turf efforts, mowing, curb/sidewalk edging and turf condition, must at a minimum, meet *FDOT Maintenance Rating Program* (MRP).

LITTER CONTROL

The project site shall remain as litter free as practicable. It is recommended to recycle this litter to avoid unnecessary waste by its reuse. Litter removal efforts must meet *FDOT Maintenance Rating Program* (MRP) standards.

WEEDING/HERBICIDE

All planting areas shall be maintained as weed free as practicable by enlisting integrated pest management practices in areas specified on the plans and maintaining proper mulch levels. Extreme care is recommended when using a chemical herbicide to avoid overspray onto plant materials. It is the applicator's responsibility to restore any damage resulting from overspray to the plantings, per the approved plans.

PLANT REPLACEMENT

Plant replacement shall be the same species and specification as the approved plan. Move and replace all plant materials that may conflict with utility relocations and service. Only plants graded Florida #1 or better, per the *Florida Department of Agriculture and Consumer Services, Grades and Standards for Nursery Plants* are permitted on FDOT roadways. Should it become necessary to change the species, a permit is required from FDOT for approval by the FDOT District Landscape Architect.

TREE CELL STRUCTURES

Underground tree cells shall be maintained in such a manner as to prolong the life of the structure and prevent potential safety hazards. If the structures fail or become damaged, they shall be replaced with the same type and specification as the approved plan.

SITE FURNISHINGS

Site furnishing such as Trash Receptacles, Benches, Bollards and Bicycle Racks shall be maintained in such a manner as to prolong the life of the fixture and prevent potential safety hazards. If the fixtures and their overall function and mounting systems become damaged, they shall be replaced with the same type and specification as the approved plan.

LANDSCAPE ACCENT LIGHTING

Landscape accent lighting shall be maintained in such a manner as to prolong the life of the lighting fixture and prevent potential safety hazards. If the lighting fixtures and their system become damaged, they shall be replaced with the same type and specification as the approved plan. Landscape lighting shall meet requirements for the sea turtle nesting and hatching.

HARDSCAPE (SPECIALTY SURFACING)

All tree grates and specialty surfacing (if applicable) shall be maintained in such a manner as to prevent any potential tripping hazards and protect damage to the surfacing and tree grates. Final surface tolerance from grade elevations shall, at a minimum, meet the most current FDOT Maintenance Rating Program Handbook for a sidewalk; ADA accessible sidewalk; and FDOT Design Standards for Design, Construction, Maintenance and Utility Operations on The State Highway System. If the specialty surfacing or tree grates become damaged, they shall be replaced with the same type and specification as the approved plan.

HARDSCAPE (CONCRETE PAVERS)

All concrete pavers (if applicable) shall be maintained in such a manner as to prevent any potential tripping hazards and protect damage to the pavers. Final surface tolerance from grade elevations shall, at a minimum, meet the most current *Interlocking Concrete Pavement Institute (ICPI), Guide Specifications for Pavers on an Aggregate Base, Section 23 14 13 Interlocking Concrete Pavers, Part 3.05*. If the concrete pavers become damaged, they shall be replaced with the same type and specification as the approved plan.

It shall be the responsibility of the AGENCY to maintain all signs located within a non-standard surfacing area. Such maintenance to be provided by the AGENCY shall include repair and replacement of the sign panel, post, and base.

HARDSCAPE (NON-STANDARD TRAVELWAY SURFACING)

It shall be the responsibility of the AGENCY to restore an unacceptable ride condition of the roadway, including asphalt pavement (if applicable), caused, or contributed by the installation or failure of non-standard surfacing, and/or the header curb, on the Department of Transportation right of way within the limits of this Agreement. Pavement restoration areas or “patches” will have a minimum length of 10-ft, measured from the edge of the header curb, and a width to cover full lanes for each lane affected by the restoration.

Pavement restoration will be performed in accordance with the most current edition of the *FDOT Standard Specifications for Road and Bridge Construction*, and the *FDOT Design Standards for Design, Construction, Maintenance and Utility Operations on the State Highway System*.

MAINTENANCE OF TRAFFIC CONTROL

Reference the FDOT website regarding the selection of the proper traffic control requirements to be provided during routine maintenance and / or new installations of this DOT roadway.

VEGETATION MANAGEMENT AT OUTDOOR ADVERTISING (ODA) (IF APPLICABLE)

To avoid conflicts with permitted outdoor advertising, please reference the State of Florida website regarding the vegetation management of outdoor advertising. This website provides a portal to search the FDOT Outdoor Advertising Inventory Management System Database. The database contains an inventory of outdoor advertising structures, permits and other related information maintained by the Department.

Also, reference the *Florida Highway Beautification Program* website link for *Vegetation Management at ODA signs* Florida Statutes and Florida Administrative Code related to vegetation management at outdoor advertising sign, permit applications for vegetation management and determining mitigation value of roadside vegetation.

II. SPECIFIC PROJECT SITE MAINTENANCE REQUIREMENTS AND RECOMMENDATIONS

'Highrise' Live Oak Trees:

1. Prune from the base of the trunk upward to maintain a clear trunk of 8.5' minimum and provide a separation between canopy and underplantings.
2. Remove suckering growth from base and clear trunk areas on a quarterly basis.
3. Maintain canopy in its natural form with only minor structural pruning to encourage a single dominant leader.

Medjool Date Palms:

1. Pruned to maintain a clear trunk of 8.5' and provide a separation between canopy and pedestrian traffic of at least 8.5'.
2. Maintain canopy with fronds kept as close to 9 and 3 o'clock as possible.
3. Remove any fronds that are over 50% brown.
4. Under no circumstance should fronds ever be cut any higher than 10 and 2 o'clock.

Groundcover and Shrubs:

1. Maintain lateral growth to prevent foliage from growing beyond the limits of the planting areas shown on the plan.
2. Maintain a 2" setback from the foliage to the back of curb, pavement, and/or sidewalk.
3. Inspect on a bi-monthly basis for maintaining full ground coverage.
4. Maintain the vertical height of:
 - Jamaica caper at 4', full to ground
 - Horizontal cocoplum between 18" and 24", full to ground
 - Muhly grass at its natural height, cut down to 10" only once per year in winter
 - Green island ficus between 24" and 30", full to ground
 - Golden creeper between 18" and 24, full to ground
 - Dwarf carissa between 12" and 18", full to ground
 - Ornamental peanut at mature height of 6"-8"

On a bi-monthly basis, inspect:

1. Joints and cracks in concrete, concrete pavers, concrete curbs, expansion joints, catch basins, gutter areas, etc. to keep those areas free of weeds.
2. Irrigation system performance to ensure the system's pressure is providing adequate coverage. Clean or replace any irrigation nozzles that are not properly functioning.
3. Pant material to evaluate for pests and diseases. If required, follow the integrated pest management program established by the Agency to ensure healthy plants.

REFERENCES (4-27-20)

This reference list is provided as a courtesy. The list may not contain the most current websites. The most current references must be accessed for up-to-date information.

Accessible Sidewalk (ADA) <http://www.access-board.gov/guidelines-and-standards/streets-sidewalks>

Americans with Disabilities Act (ADA) (ADAAG) http://www.ada.gov/2010ADASTandards_index.htm

American National Standard Institute, *ANSI A300, (Part 1) for Tree Care Operations – Trees, Shrub, and Other Woody Plant Maintenance – Standard Practices (Pruning)*, available for purchase <http://webstore.ansi.org>

Florida Department of Agriculture and Consumer Services, Division of Plant Industry, *Florida Grades and Standards for Nursery Plants 2015* <http://www.freshfromflorida.com/Divisions-Offices/Plant-Industry/Bureaus-and-Services/Bureau-of-Plant-and-Apiary-Inspection>

Florida Department of Community Affairs (DCA), *Florida Board of Building Codes & Standards, 2017 Florida Building Code, Chapter 11 Florida Accessibility Code for Building Construction Part A* http://www.floridabuilding.org/fbc/workgroups/Accessibility_Code_Workgroup/Documentation/CHAPTER_11_w_florida_specifics.htm

Florida Department of Transportation, *Program Management, Maintenance Specifications Workbook Supplemental Specifications, Section 580 Landscape Installation* <http://www.fdot.gov/programmanagement/Maintenance/2019Jan/default.shtm>

Florida Department of Transportation, *FDOT Standard Plans for Design, Construction, Maintenance and Utility Operations on the State Highway System, Index 580-001 Landscape Installation* <http://www.fdot.gov/design/standardplans/current/IDX/580-001.pdf>

Florida Department of Transportation, *FDOT Design Manual for Design, Construction, Maintenance and Utility Operations on the State Highway System, Chapter 212.11 Clear Sight Triangles* <http://www.fdot.gov/roadway/FDM/current/2018FDM212Intersections.pdf>

Florida Department of Transportation, *FDOT Design Manual for Design, Construction, Maintenance and Utility Operations on the State Highway System, Chapter 215.2.3 Clear Zone Criteria and 215.2.4 Lateral Offset, Table 215.2.1 Clear Zone Width Requirements, Table 215.2.2 Lateral Offset Criteria (for Trees)* <http://www.fdot.gov/roadway/FDM/current/2018FDM215RoadsideSafety.pdf>

Florida Department of Transportation, *FDOT Standard Plans for Design, Construction, Maintenance and Utility Operations on the State Highway System, Index Series 102-600 Traffic Control through Work Zones* <http://www.fdot.gov/design/standardplans/current/IDX/102-600.pdf>

Department of Transportation, Landscape Architecture Website www.MyFloridaBeautiful.com

Florida Department of Transportation, *Maintenance Rating Program Handbook* <http://www.dot.state.fl.us/statemaintenanceoffice/MaintRatingProgram.shtm>

Florida Department of Transportation Outdoor Advertising Database <http://www2.dot.state.fl.us/rightofway/>

Florida Exotic Pest Plant Council Invasive Plant Lists <http://www.fleppc.org/list/list.htm>

Florida Irrigation Society <http://www.fisstate.org>

Florida Power and Light (FPL), *Plant the Right Tree in the Right Place* http://www.fpl.com/residential/trees/right_tree_right_place.shtml