

SECTION No.: 86170000
Permit No.: 2021-L-491-00001
COUNTY: Broward
S.R. No.: 811

**DISTRICT FOUR (4) AMENDMENT NUMBER ONE (1) TO
STATE OF FLORIDA DEPARTMENT OF TRANSPORTATION
LANDSCAPE MAINTENANCE MEMORANDUM OF AGREEMENT**

THIS AMENDMENT Number One (1) to the Agreement dated **June 16, 2005**, made and entered into this _____ day of _____ 20____ by and between the State of Florida Department of Transportation hereinafter called the DEPARTMENT and the **CITY OF Fort Lauderdale**, a municipal subdivision of the State of Florida, hereinafter called the AGENCY.

W I T H N E S S E T H

WHEREAS, the DEPARTMENT has jurisdiction over State Road 811 (Dixie Highway / NE 4th Avenue) 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 811 (Dixie Highway / NE 4th Avenue) as described within **Exhibit "B"**; 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 entered into the Landscape Maintenance Memorandum of Agreement dated, **June 16, 2005** for the purpose of maintaining the landscape improvements by the AGENCY on State Road 811 (Dixie Highway / NE 4th Avenue); and,

WHEREAS, the DEPARTMENT and the AGENCY have agreed to add additional landscape to be installed on State Road 811 (Dixie Highway / NE 4th Avenue) in accordance with the above referenced Agreements and Amendments thereto; and,

WHEREAS, the AGENCY by Resolution No. _____ dated _____, attached hereto 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 AGENCY has agreed to allow the adjacent property owner with the AGENCY'S approval to construct additional landscape improvements or to modify an improvement located as indicated in **Exhibit "A"**, State Road 811 (Dixie Highway / NE 4th Avenue) from M.P.0.057 to M.P. 0.124, in accordance with the plans attached as **Exhibit "B"**.
2. The following section shall be added to the Agreement:

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 (I) 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 (l) 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 Standard Plans for Road Construction, 102-XXX series, Maintenance of Traffic*.
- (i) The most current edition of *FDOT Design Manual, Section 212.11 and Exhibits 212.4 through 212.7 regarding clear sight triangles at intersections* must be adhered to.
- (j) Clear Zone Lateral Offset and as specified in the *FDOT Design Manual*, Chapter 215 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, Ft. 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. The following section shall be added to the Agreement:

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.
4. The AGENCY shall agree to maintain the landscape improvements in the Agreement described above and this Amendment according to **Exhibit "C"** Maintenance Plan.

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

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

CITY OF FORT LAUDERDALE

By: _____

Chairperson/Mayor/Manager

Date: _____

By: _____

Christopher J. Lagerbloom, ICMA-CM

Attest: _____(SEAL)

Clerk

Legal Review

Date

**STATE OF FLORIDA
DEPARTMENT OF TRANSPORTATION**

By: _____

Transportation Development Director

Attest: _____(SEAL)

Executive Secretary

Legal Review

Date

Office of the General Counsel

SECTION No.:	86170000
Permit No.:	2021-L-491-00001
COUNTY:	Broward
S.R. No.:	811

EXHIBIT A

LANDSCAPE IMPROVEMENTS MAINTENANCE BOUNDARIES

I. LIMITS OF MAINTENANCE FOR LANDSCAPE IMPROVEMENTS FOR STATE ROAD 811 (Dixie Highway / NE 4th Avenue) UNDER THIS AGREEMENT:

State Road 811 (Dixie Highway / NE 4th Avenue) from State Road 838 (Sunrise Boulevard) M.P. 0.009 to south of the south fork of the Middle River M.P. 0.975

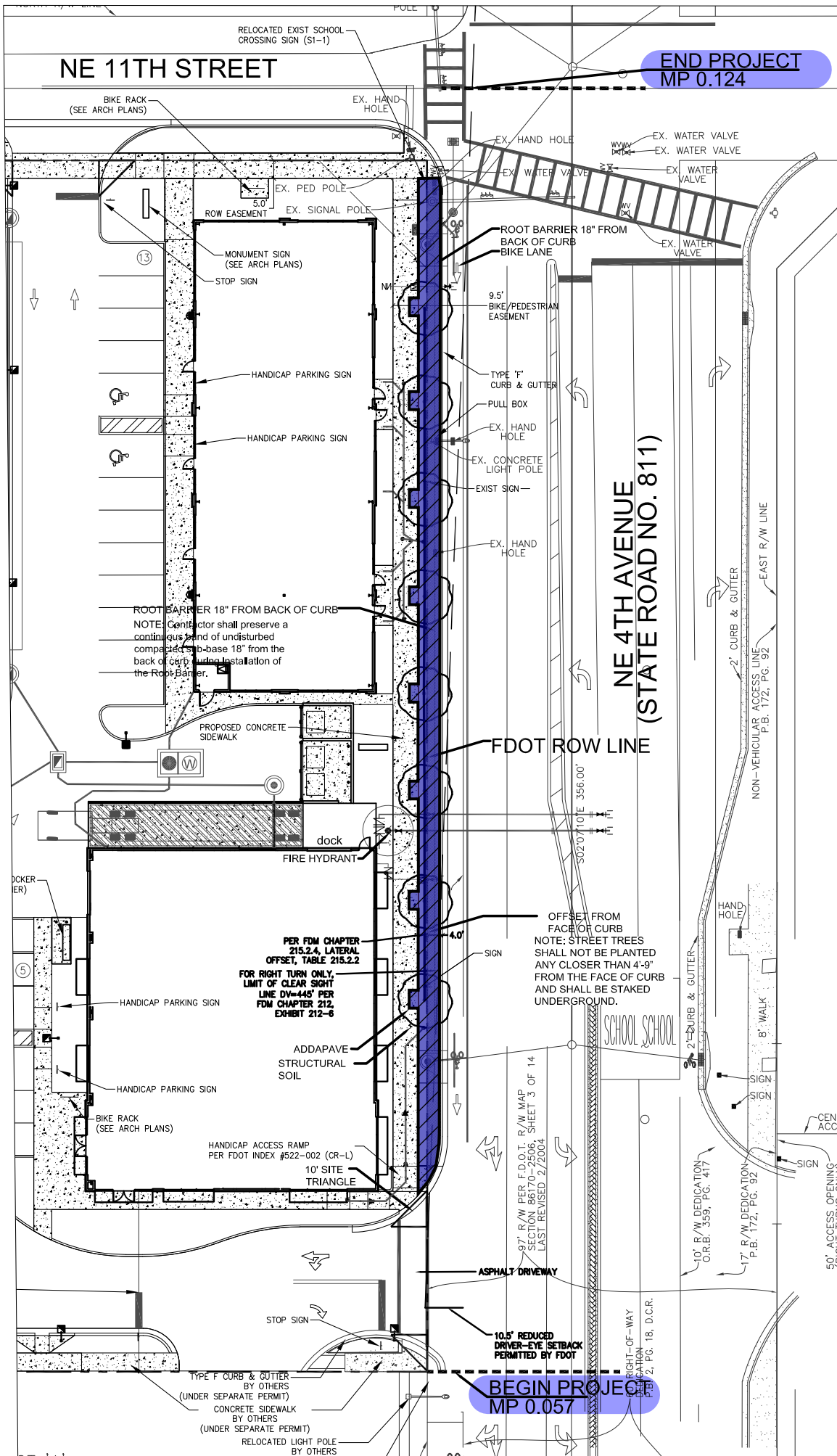
II. LIMITS OF MAINTENANCE FOR LANDSCAPE IMPROVEMENTS FOR THIS PERMIT PROJECT:

State Road 811 (Dixie Highway / NE 4th Avenue) from M.P.0.057 to M.P. 0.124

III. LANDSCAPE IMPROVEMENTS MAINTENANCE RESPONSIBILITIES MAP:

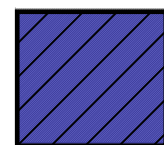
Please See Attached Map

*All limits of the original agreement and amendments shall apply



Landscape Improvements Maintenance Boundary Map

City of Fort Lauderdale
FDOT Permit 2021-L-491-00001



Limits of Maintenance
City of Fort Lauderdale

SECTION No.:	86170000
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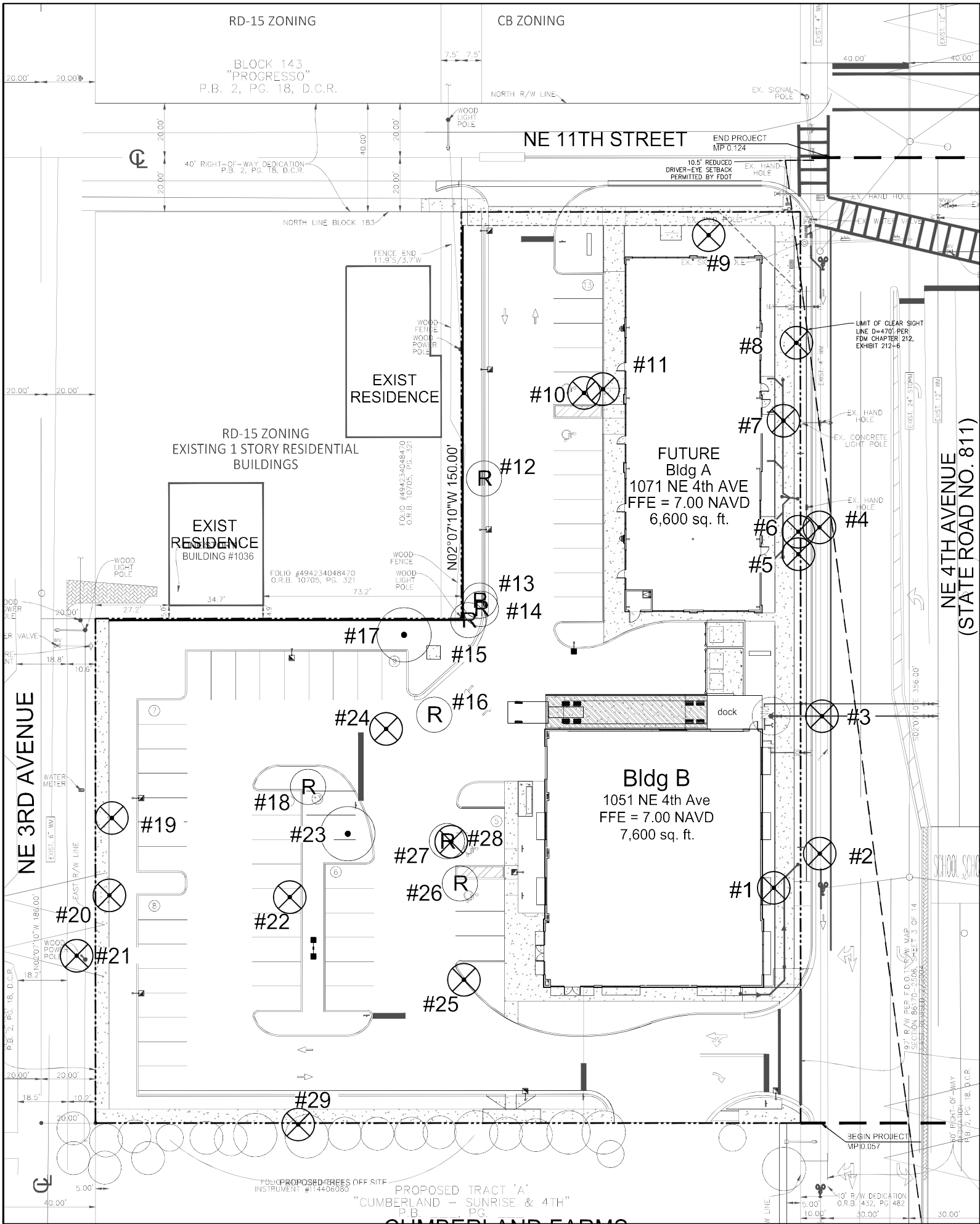
EXHIBIT B

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: John F. Harrigan, RLA
EcoPlan Inc.

Date: June 17, 2021
Sheets: LAPL-0, LAPL-1, & LAPL-2
IR-1 & IR-2



#	SCIENTIFIC NAME	COMMON NAME	HEIGHT (FT) OR CLEAR TRUNK (CT)	CALIPER (IN)	NATIVE	CATEGORY	CONDITION %	COMMENTS	ACTION	DBH TO BE REPLACED
1	TERMINALIA BUCERAS	BLACK OLIVE	20'	15	N	C	50		TO BE REMOVED	5
2	QUERCUS VIRGINIANA	SOUTHERN LIVE OAK	25	16	Y	A	57	AVERAGE	FDOT ROW	9
3	QUERCUS VIRGINIANA	SOUTHERN LIVE OAK	25	16	Y	A	57	AVERAGE	FDOT ROW	9
4	QUERCUS VIRGINIANA	SOUTHERN LIVE OAK	25	16	Y	A	57	AVERAGE	FDOT ROW	9
5	ALBIZIA JULIBRISSIN	MONKEY POD	10	8	N	F	0	INVASIVE	TO BE REMOVED	0
6	SABAL PALMETTO	SABAL PALM	0	10	Y	F	50	NO CT, IN CONCRETE	TO BE REMOVED	0
7	ALBIZIA JULIBRISSIN	MONKEY POD	8	2	N	F	0	INVASIVE	TO BE REMOVED	0
8	CASUARINA EQUITETIFOLIA	AUSTRALIAN PINE	50	36	N	F	0	INVASIVE	TO BE REMOVED	0
9	PINUS ELLIOTTII	SLASH PINE	30	15	Y	A	50		TO BE REMOVED	8
10	ACACIA AURICULIFORMIS	EARLEAF ACACIA	20	10	N	F	0	INVASIVE	TO BE REMOVED	0
11	ACACIA AURICULIFORMIS	EARLEAF ACACIA	20	10	N	F	0	INVASIVE	TO BE REMOVED	0
12	SABAL PALMETTO	SABAL PALM	4	10	Y	F	50		TO BE RELOCATED	0
13	SABAL PALMETTO	SABAL PALM	6	10	Y	F	50		TO BE RELOCATED	0
14	SABAL PALMETTO	SABAL PALM	8	10	Y	F	50		TO BE RELOCATED	0
15	SABAL PALMETTO	SABAL PALM	10	10	Y	F	50		TO BE RELOCATED	0
16	SABAL PALMETTO	SABAL PALM	4	10	Y	F	50		TO BE RELOCATED	0
17	PINUS ELLIOTTII	SLASH PINE	30	16	Y	A	57		TO REMAIN	0
18	SABAL PALMETTO	SABAL PALM	12	10	Y	F	50		TO BE RELOCATED	0
19	COCOS NUCIFERA	COCONUT PALM	20	12	N	F	50		TO BE REMOVED	6
20	TAMARINDUS INDICA	TAMARIND TREE	25	12	N	C	63		TO BE REMOVED	0
21	SABAL PALMETTO	SABAL PALM	30	10	Y	F	50	GROWING INTO POLE	TO BE REMOVED	0
22	MANGIFERA INDICA	MANGO	25	14	N	C	47	UNEVEN CROWN	TO BE REMOVED	4
23	LYSILOMA LATISLIQUUM	FALSE TAMARIND	40	24	Y	A	77	SPECIMEN	TO REMAIN	0
24	PLUMERIA RUBRA	PLUMERIA	12	3	N	C	32		TO BE REMOVED	0
25	FICUS BENJAMINA	FICUS CLUSTER / HEDGE	12	12	N	F	0	INVASIVE	TO BE REMOVED	0
26	SABAL PALMETTO	SABAL PALM	8	10	Y	F	50		TO BE RELOCATED	0
27	SABAL PALMETTO	SABAL PALM	20	10	Y	F	50		TO BE RELOCATED	0
28	CALOPHYLLUM BRASILIENSE	SOLITARY PALM	20	3	N	F	40		TO BE REMOVED	0
29	MANGIFERA INDICA	MANGO	15	8	N	C	25	DAMAGED / DYING	TO BE REMOVED	2

Arborist Report/Tree Evaluation
Prepared by The Tree Team, Inc.
Dan Remy for EcoPlan Inc.
Arborist License FL0721A
September 4, 2021
Sherwin Williams - NE 4th Avenue
FL Lauderdale, FL 33305

Tree 1:
Identification: Black Olive (Bucida Buceras)
Size: 20 foot overall height
20 foot canopy spread
15 inch caliper trunk
Poor branch structure
Condition: Condition rate 50%
1. Roots
Structure 2+ Health 2+ 4
2. Trunk
Structure 2+ Health 2+ 4
3. Scaffold Branches
Structure 2+ Health 2+ 4
4. Small Branches and Twigs
Health 3
5. Foliage and/or Buds
Health 3
Total Points= 16
Replacement Required: 80 x 15 x 5 caliper inches

Tree 2:
Identification: LiveOak (Quercus Virginiana)
Size: 25 foot overall height
15 foot canopy spread
16 inch caliper trunk
Condition: Condition rate 57%
1. Roots
Structure 2+ Health 2+ 4
2. Trunk
Structure 2+ Health 2+ 4
3. Scaffold Branches
Structure 2+ Health 2+ 4
4. Small Branches and Twigs
Health 3
5. Foliage and/or Buds
Health 3
Total Points= 18

Tree 3:
Identification: LiveOak (Quercus Virginiana)
Size: 25 foot overall height
15 foot canopy spread
16 inch caliper trunk
Condition: Condition rate 57%
1. Roots
Structure 2+ Health 2+ 4
2. Trunk
Structure 2+ Health 2+ 4
3. Scaffold Branches
Structure 2+ Health 2+ 4
4. Small Branches and Twigs
Health 3
5. Foliage and/or Buds
Health 3
Total Points= 18

Tree 4:
Identification: LiveOak (Quercus Virginiana)
Size: 25 foot overall height
15 foot canopy spread
16 inch caliper trunk
Condition: Condition rate 57%
1. Roots
Structure 2+ Health 2+ 4
2. Trunk
Structure 2+ Health 2+ 4
3. Scaffold Branches
Structure 2+ Health 2+ 4
4. Small Branches and Twigs
Health 3
5. Foliage and/or Buds
Health 3
Total Points= 18

Tree 5:
Identification: Monkey Pod (Samanea Samana)
Size: 10 foot overall height
8 foot canopy spread
8 inch caliper trunk
Invasive species
Poor condition
50 Replacement Value

Tree 6:
Identification: Sabal Palmetto (Cabbage Palm)
Size:
Condition:
4 foot clear trunk
Condition rate 50%
50 Replacement Value

Tree 7:
Identification: Monkey Pod (Samanea Samana)
Size: 8 foot overall height
3 foot canopy spread
2 inch caliper trunk
Invasive species
Poor condition
50 Replacement Value

Tree 8:
Identification: Australian Pine (Casuarina Equisetifolia)
Size: 50 foot overall height
36 inch caliper trunk
Invasive species
Poor condition
50 Replacement Value

Tree 9:
Identification: Margo Tree (Mangifera Indica)
Size: 25 foot overall height
15 foot canopy spread
12 inch caliper trunk
Condition: Condition rate 47%
1. Roots
Structure 2+ Health 2+ 4
2. Trunk
Structure 2+ Health 2+ 4
3. Scaffold Branches
Structure 2+ Health 2+ 4
4. Small Branches and Twigs
Health 3
5. Foliage and/or Buds
Health 3
Total Points= 20
Replacement Required: 60 x 15 x 8 caliper inches

Tree 10:
Identification: Sabal Palmetto (Cabbage Palm)
Size:
Condition:
25 foot clear trunk
Condition rate 50%
Palm by pole
5180 Replacement Value

Tree 11:
Identification: Margo Tree (Mangifera Indica)
Size: 25 foot overall height
15 foot canopy spread
14 inch caliper trunk
Poor branch structure
Condition: Condition rate 47%
1. Roots
Structure 2+ Health 2+ 4
2. Trunk
Structure 2+ Health 2+ 4
3. Scaffold Branches
Structure 2+ Health 2+ 4
4. Small Branches and Twigs
Health 3
5. Foliage and/or Buds
Health 3
Total Points= 15
Replacement Required: 80 x 14x47 = 4 caliper inches

Tree 12:
Identification: False Tamarind Tree (Lysiloma Latissiquum)
Size: 40 foot overall height
30 foot canopy spread
24 inch caliper trunk

Tree 13:
Identification: Sabal Palmetto (Cabbage Palm)
Size:
Condition:
20 foot clear trunk
Condition rate 50%

Tree 14:
Identification: Slask Pine (Pinus Elliottii)
Size: 30 foot overall height
15 foot canopy spread
15 inch caliper trunk
Tree on decline
Condition: Condition rate 50%
1. Roots
Structure 2+ Health 2+ 4
2. Trunk
Structure 2+ Health 2+ 4
3. Scaffold Branches
Structure 2+ Health 2+ 4
4. Small Branches and Twigs
Health 3
5. Foliage and/or Buds
Health 3
Total Points= 16
Replacement Required: 30 x 15 x 8 caliper inches

Tree 15:
Identification: Sabal Palmetto (Cabbage Palm)
Size:
Condition:
Tree 15:
10 foot clear trunk
Condition rate 50%

Tree 16:
Identification: Sabal Palmetto (Cabbage Palm)
Size:
Condition:
Tree 17:
4 foot clear trunk
Condition rate 50%

Tree 17:
Identification: Slask Pine (Pinus Elliottii)
Size: 30 foot overall height
15 foot canopy spread
16 inch caliper trunk
Condition: Condition rate 57%
1. Roots
Structure 2+ Health 2+ 4
2. Trunk
Structure 2+ Health 2+ 4
3. Scaffold Branches
Structure 2+ Health 2+ 4
4. Small Branches and Twigs
Health 3
5. Foliage and/or Buds
Health 3
Total Points= 18

Tree 18:
Identification: Coconut Palm (Cocos Nucifera)
Size:
Condition:
20 foot clear trunk
Condition rate 50%

Tree 19:
Identification: Solitary Palm (Almstitha Longipes)
Size:
Condition:
18 foot clear trunk
Condition rate 40%
5180 Replacement Value

Tree 20:
Identification: Margo Tree (Mangifera Indica)
Size: 15 foot overall height
10 foot canopy spread
8 inch caliper trunk
Poor branch structure/Tree on decline
Condition: Condition rate 25%
1. Roots
Structure 1+ Health 1+ 2
2. Trunk
Structure 1+ Health 1+ 2
3. Scaffold Branches
Structure 1+ Health 1+ 2
4. Small Branches and Twigs
Health 1
5. Foliage and/or Buds
Total Points= 8
Replacement Required: 80 x 25x2 = 2 caliper inches

Tree 21:
Identification: Sabal Palmetto (Cabbage Palm)
Size:
Condition:
8 foot clear trunk
Condition rate 50%

Tree 22:
Identification: Margo Tree (Mangifera Indica)
Size: 25 foot overall height
15 foot canopy spread
14 inch caliper trunk
Poor branch structure
Condition: Condition rate 47%
1. Roots
Structure 2+ Health 2+ 4
2. Trunk
Structure 2+ Health 2+ 4
3. Scaffold Branches
Structure 2+ Health 2+ 4
4. Small Branches and Twigs
Health 3
5. Foliage and/or Buds
Health 3
Total Points= 15
Replacement Required: 80 x 14x47 = 4 caliper inches

Tree 23:
Identification: False Tamarind Tree (Lysiloma Latissiquum)
Size: 40 foot overall height
30 foot canopy spread
24 inch caliper trunk

Tree 24:
Identification: Sabal Palmetto (Cabbage Palm)
Size:
Condition:
20 foot clear trunk
Condition rate 50%

Tree 25:
Identification: Sabal Palmetto (Cabbage Palm)
Size:
Condition:
20 foot clear trunk
Condition rate 50%

Tree 26:
Identification: Sabal Palmetto (Cabbage Palm)
Size:
Condition:
20 foot clear trunk
Condition rate 50%

Tree 27:
Identification: Sabal Palmetto (Cabbage Palm)
Size:
Condition:
20 foot clear trunk
Condition rate 50%

Tree 28:
Identification: Sabal Palmetto (Cabbage Palm)
Size:
Condition:
20 foot clear trunk
Condition rate 50%

Tree 29:
Identification: Sabal Palmetto (Cabbage Palm)
Size:
Condition:
20 foot clear trunk
Condition rate 50%

Scale: 1" = 20'-00"

North

811 Know what's below. Call before you dig.

FDOT Landscape Permit Number 2021-L491-00001

PREPARED BY:
ECOPLAN
ECOLOGICAL / ENVIRONMENTAL LAND PLANNING
LAND USE ANALYSIS - LANDSCAPE ARCHITECTURE
30 SE 9th STREET
FORT LAUDERDALE, FLORIDA 33316
PHONE (954) 524-3722 FAX (954) 524-3529
www.ecoplan-fl.com

PREPARED FOR:

FDOT SUBMITTAL

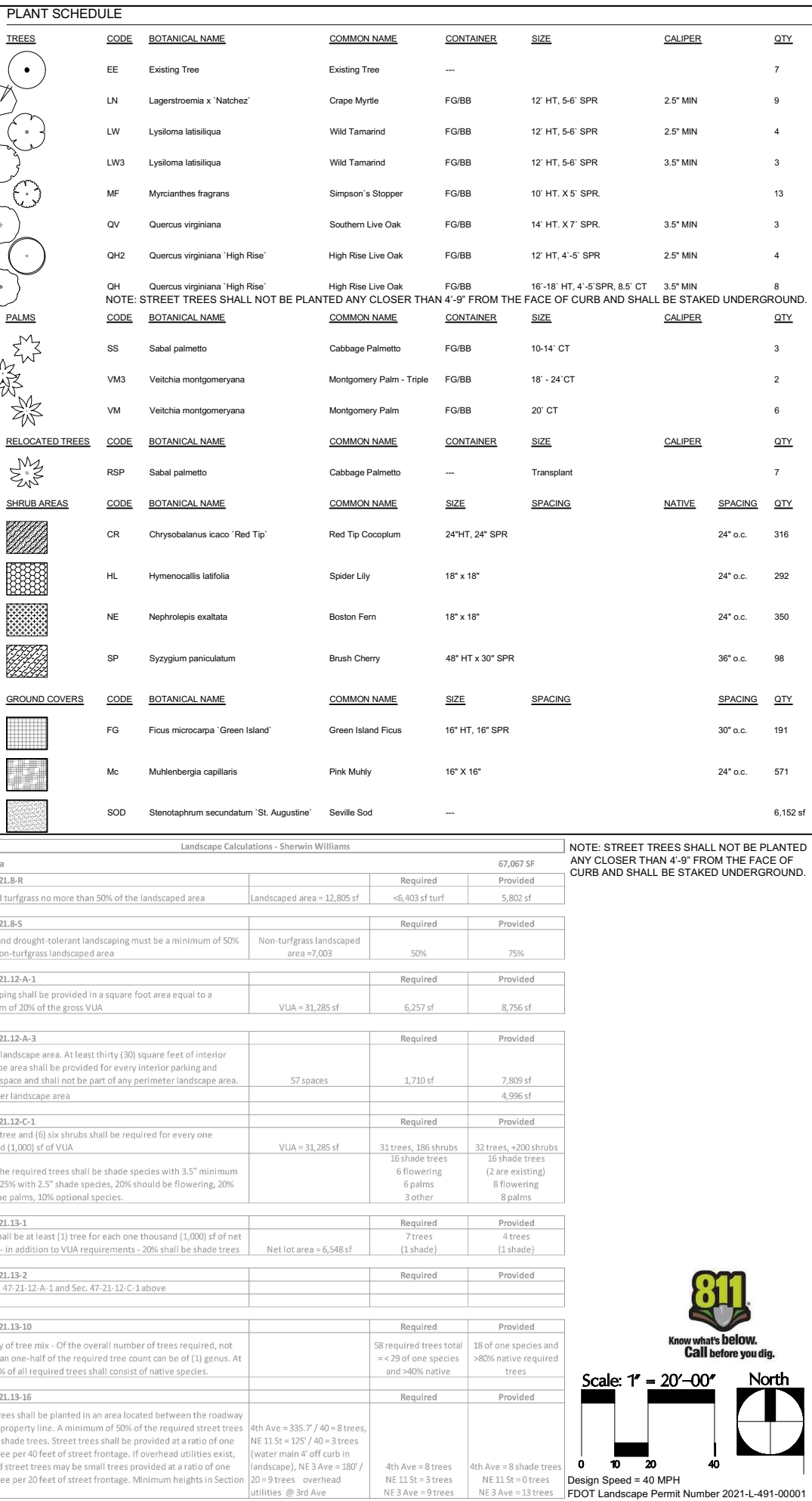
SHERWIN WILLIAMS
FORT LAUDERDALE, FL
NE 4TH AVE


TREE DISPOSITION PLAN

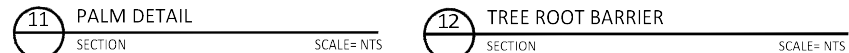
DATE: 6/7/21
PROJECT NUMBER: 1913
DRAWN BY: HAP
CHECKED BY: JH
SCALE: 1" = 20'
REVISION: DATE BY:

SEAL
Digitally signed by John F. Harrigan
DN: c=US,
o=EcoPlan Inc.,
ou=A01410C000001,
cn=John F. Harrigan
6.3
SHEET NUMBER:
LAPL-0

CAM 01-0014
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Page 9 of 18

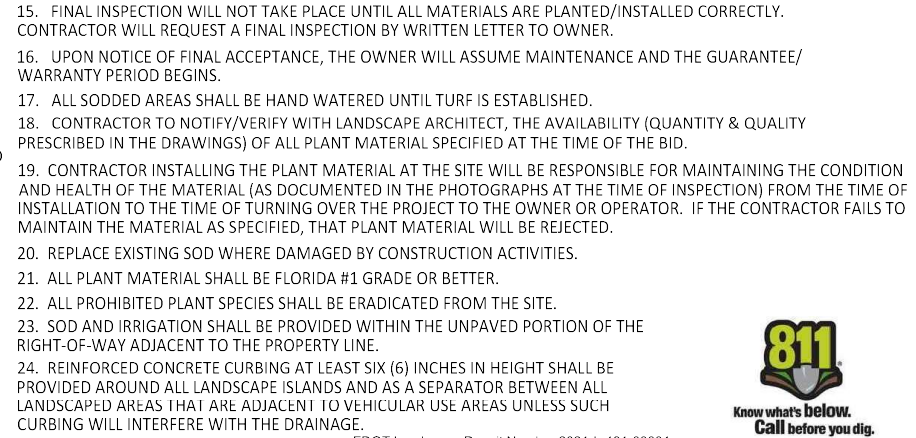


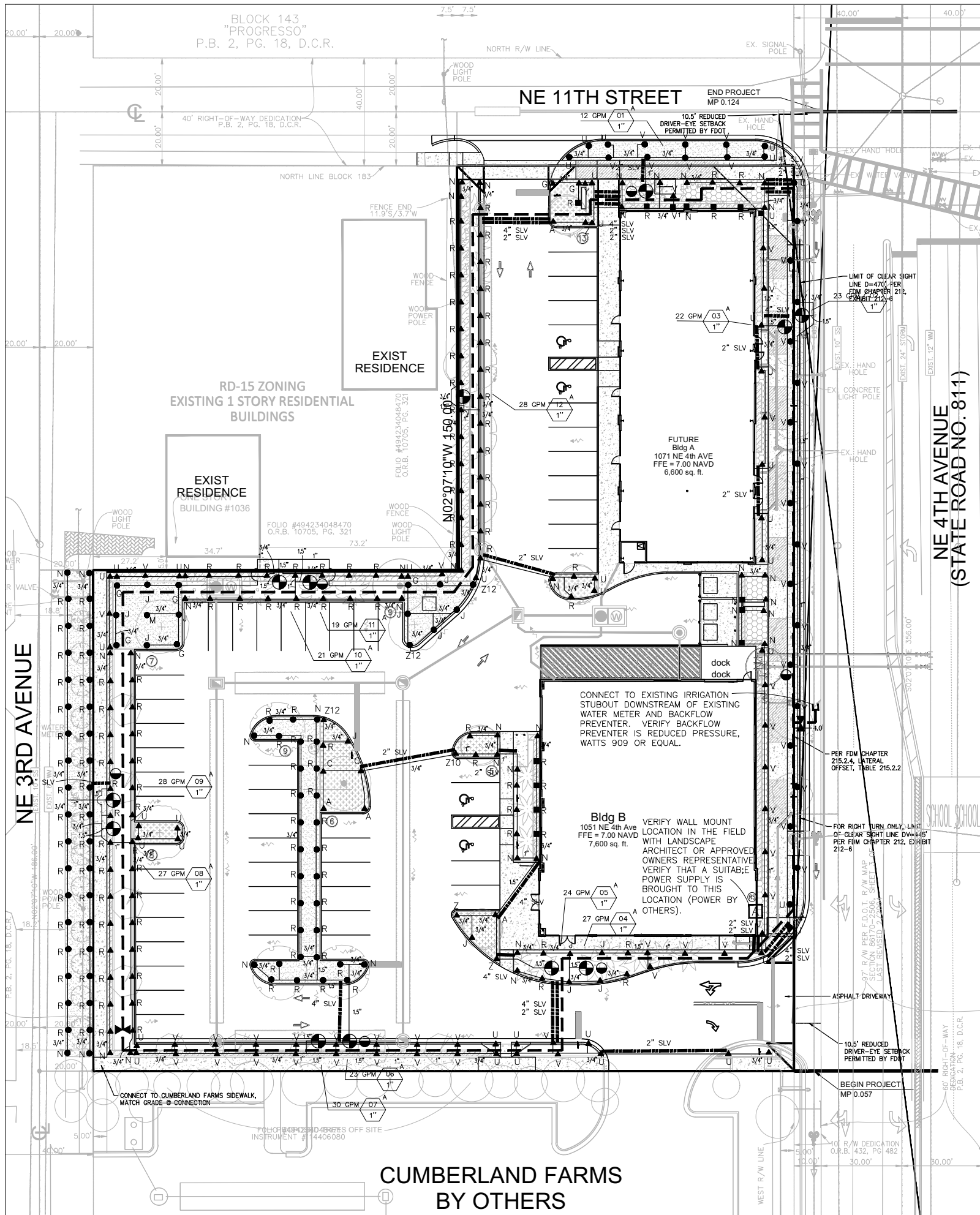
PREPARED BY: EcoPLAN ECOLOGICAL / ENVIRONMENTAL LAND PLANNING LAND USE ANALYSIS - LANDSCAPE ARCHITECTURE 710 SE 9 TH STREET FORT LAUDERDALE, FLORIDA 33316 PHONE (860) 524-3722 FAX (860) 524-3529 www.ecoplan-fl.com		
PREPARED FOR:		
FDOT SUBMITTAL		
SHERWIN WILLIAMS	FORT LAUDERDALE, FL NE 4TH AVE	
PLANTING PLAN		
DATE	6/7/21	
PROJECT NUMBER:	191B	
DRAWN BY:	HAP	
CHECKED BY:	JH	
SCALE	120	
REVISION:	DATE	BY:
SEAL		
Digitally signed by John F Harrigan DN: c=US, o=EcoPlan Inc., ou=A01410C000001 774472E7F6000023 Ez.cn=John F Harrigan Date: 2021.06.18 15:36:53 -0400'		
		
6.3		
SHEET NUMBER: LAPL-1		



1. THE WORK CONSISTS OF THE COMPLETE PLANT MATERIAL INSTALLATION ON THE DRAWINGS AND AS HEREIN SPECIFIED. THIS WORK SHALL INCLUDE, BUT IS NOT LIMITED TO, THE SUPPLYING OF ALL PLANT MATERIAL SPECIFIED, THE FURNISHING OF LABOR, EQUIPMENT, APPLIANCES AND ALL MATERIALS CALLED FOR, AND IN PERFORMING ALL OPERATIONS IN CONNECTION WITH THE LANDSCAPE INSTALLATION ON THESE PLANS. FURTHER, THE WORK SHALL INCLUDE THE MAINTAINING OF ALL PLANTS AND PLANTING AREAS UNTIL ACCEPTANCE BY THE OWNER, AND THE FULFILLING OF ALL GUARANTEE PROVISIONS AS HEREIN SPECIFIED.
2. NO SUBSTITUTIONS SHALL BE MADE WITHOUT WRITTEN PERMISSION OF THE LANDSCAPE ARCHITECT.
3. IN THE EVENT OF VARIATION BETWEEN THE PLANT LIST AND THE ACTUAL NUMBER OF PLANTS SHOWN ON THE PLANS, THE PLANS SHALL CONTROL.
4. PLANT MATERIALS WILL BE INSPECTED BY THE OWNER'S REPRESENTATIVE AT THE JOB SITE PRIOR TO INSTALLATION. WHEN INSPECTION WORK DOES NOT COMPLY WITH THE REQUIREMENTS, REPLACE REJECTED WORK AND CONTINUE SPECIFIED MAINTENANCE UNTIL REINSPECTED AND FOUND TO BE ACCEPTABLE. REMOVE REJECTED PLANTS AND MATERIALS FROM THE PLANTING SITE WITHIN 48 HOURS AND REPLACE WITH ACCEPTABLE MATERIALS.
5. ALL MATERIALS AND EQUIPMENT SHALL BE INSTALLED IN A NEAT AND WORKMANLIKE MANNER. THE OWNER OR HIS REPRESENTATIVE RESERVES THE RIGHT TO DIRECT THE REMOVAL AND REPLACEMENT OF ANY ITEMS WHICH, IN HIS OPINION, DO NOT PRESENT AN ORDERLY AND REASONABLE NEAT OR WORKMANLIKE APPEARANCE, PROVIDED SUCH ITEMS CAN BE PROPERLY INSTALLED IN AN ORDERLY WAY BY TYPICAL INSTALLATION METHODS.
6. ALL PLANTING BEDS WITHIN FOOT RIGHT OF WAYS SHALL BE MULCHED WITH 3" OF RECYCLED MULCH CERTIFIED BY THE MULCH AND SOIL COUNCIL (MSC). SUBMIT PROOF OF CERTIFICATION TO THE FDOT DISTRICT OPERATIONS PERMIT LANDSCAPE INSPECTOR UPON INSPECTION. ALL ON SITE PLANTING BEDS SHALL BE MULCHED WITH 3" OF RECYCLED MULCH. NO RED COLORED MULCH WILL BE ACCEPTED.

15. FINAL INSPECTION WILL NOT TAKE PLACE UNTIL ALL MATERIALS ARE PLANTED/INSTALLED CORRECTLY. CONTRACTOR WILL REQUEST A FINAL INSPECTION BY WRITTEN LETTER TO OWNER.
16. UPON NOTICE OF FINAL ACCEPTANCE, THE OWNER WILL ASSUME MAINTENANCE AND THE GUARANTEE/ WARRANTY PERIOD BEGINS.
17. ALL SODDED AREAS SHALL BE HAND WATERED UNTIL TURF IS ESTABLISHED.
18. CONTRACTOR TO NOTIFY/VERIFY WITH LANDSCAPE ARCHITECT, THE AVAILABILITY (QUANTITY & QUALITY PRESCRIBED IN THE DRAWINGS) OF ALL PLANT MATERIAL SPECIFIED AT THE TIME OF THE BID.
19. CONTRACTOR INSTALLING THE PLANT MATERIAL AT THE SITE WILL BE RESPONSIBLE FOR MAINTAINING THE CONDITION AND HEALTH OF THE MATERIAL (AS DOCUMENTED IN THE PHOTOGRAPHS AT THE TIME OF INSPECTION) FROM THE TIME OF INSTALLATION TO THE TIME OF TURNING OVER THE PROJECT TO THE OWNER OR OPERATOR. IF THE CONTRACTOR FAILS TO MAINTAIN THE MATERIAL AS SPECIFIED, THAT PLANT MATERIAL WILL BE REJECTED.
20. REPLACE EXISTING SOD WHERE DAMAGED BY CONSTRUCTION ACTIVITIES.
21. ALL PLANT MATERIAL SHALL BE FLORIDA #1 GRADE OR BETTER.
22. ALL PROHIBITED PLANT SPECIES SHALL BE ERADICATED FROM THE SITE.
23. SOD AND IRRIGATION SHALL BE PROVIDED WITHIN THE UNPAVED PORTION OF THE RIGHT-OF-WAY ADJACENT TO THE PROPERTY LINE.
24. REINFORCED CONCRETE CURBING AT LEAST SIX (6) INCHES IN HEIGHT SHALL BE PROVIDED AROUND ALL LANDSCAPE ISLANDS AND AS A SEPARATOR BETWEEN ALL LANDSCAPED AREAS THAT ARE ADJACENT TO VEHICULAR USE AREAS UNLESS SUCH CURBING WILL INTERFERE WITH THE DRAINAGE.





IRRIGATION LEGEND

- 12 STATION IRRIGATION CONTROLLER WITH RAIN SWITCH, 120 VOLT, 1 AMP. ELECTRIC CIRCUIT FROM NEAREST ELECTRICAL PANEL, BY THE BUILDING CONTRACTOR. PROVIDE CONTROLLER GROUNDING WITH 15' #6 BARE COPPER WIRE, 5/8" X 6" COPPER CLAD GROUND ROD AND CADWELD GT11610 WELD KIT. TORO TWC-424E-00 WITH TSM 8 EXPANSION MODULE, TFS FLOW SENSOR AND TWRS WIRELESS RAIN SWITCH.
- IRRIGATION CONTROL VALVE. PLASTIC BODY WITH FLOW CONTROL. MOUNT IN 15" RECTANGULAR VALVE BOX. SIZE INDICATED ON PLAN. TORO P220-27 VALVE SERIES WITH EZREG-100, OR EQUAL.
- IRRIGATION CONTROL VALVE TAG. INDICATES VALVE LOCATION, STATION NUMBER, SIZE AND ZONE FLOW RATE.
- IRRIGATION ISOLATION VALVE. SIZE SAME SIZE AS PIPE. MOUNT IN 19" RECTANGULAR VALVE BOX WITH 8" NDS DRAIN PIPE EXTENSION AS NEEDED. 2.5" AND SMALLER - BRONZE THREAD ON TYPE WITH WHEEL HANDLE.
- 2" PVC MAIN LINE PIPE, CLASS 200, PVC. INSTALL 18" DEEP. SOLVENT WELD PVC PIPE AND FITTINGS.
- PVC LATERAL LINE PIPE, INSTALL 12" DEEP. 3/4" AND LARGER, CLASS 200, PVC. 2.5" AND SMALLER, SOLVENT WELD PVC PIPE AND FITTINGS. PIPE IS SIZED ACCORDING TO NEAREST SIZE LABEL UPSTREAM OF THE PIPE. MINIMUM PIPE SIZE IS 3/4".
- PVC SLEEVE PIPE, CLASS 200, PVC. SOLVENT WELD PVC PIPE AND FITTINGS. ALL SLEEVES ARE 2" UNLESS NOTED OTHERWISE.
- 1" BRASS QUICK COUPLER VALVE WITH NON POTABLE LAVENDER CAP. MOUNT ON O-RING TYPE SWING JOINT AND STABILIZE IN 10" ROUND VALVE BOX WITH LAVENDER LID. PROVIDE ONE QCV KEY WITH 3/4" HOSE SWIVEL ADAPTER PER TWO QUICK COUPLER VALVES. RAINBIRD 44LRC VALVE WITH 44K KEY + SH-1.

SPRAY BODIES

TORO 570Z-PS-COM SERIES SPRAY BODIES & ADAPTERS
POLY PIPE AND INSERT FITTING SWING JOINTS
PROVIDE PRECISION SPRAY NOZZLES PER PLAN

- 6" POP-UP TURF SPRAY BODY
- 12" POP-UP SHRUB SPRAY BODY
- X" SHRUB NOZZLE ON PVC RISER

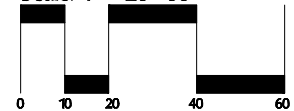
LETTER	GPM AT 30 PSI	RADIUS	PATTERN
A	0.9	15'	QUARTER
B	1.25	15'	ONE THIRD
C	1.85	15'	HALF
D	2.5	15'	TWO THIRD
E	2.8	15'	THREE QTR.
F	3.7	15'	FULL
G	0.65	12'	QUARTER
H	0.9	12'	ONE THIRD
J	1.3	12'	HALF
K	1.75	12'	TWO THIRD
L	1.95	12'	THREE QTR.
M	2.6	12'	FULL
N	0.4	10'	QUARTER
P	0.5	10'	ONE THIRD
R	0.8	10'	HALF
T	1.58	10'	FULL
U	0.6	4' X 15'	END STRIP
UI	0.5	4' X 15'	LEFT CORNER STRIP
Ur	0.5	4' X 15'	RIGHT CORNER STRIP
V	1.2	4' X 30'	SIDE STRIP
W	1.2	4' X 30'	CENTER STRIP
X	1.7	9' X 18'	SIDE STRIP
Z1	VARIES	10'	10' ADJUSTABLE ARC
Z2	VARIES	12'	12' ADJUSTABLE ARC
Z	VARIES	15'	15' ADJUSTABLE ARC
Y	0.5	1'	FLOOD BUBBLER
O	1.0	5'	STREAM BUBBLER
1	0.3	8'	QUARTER
2	0.4	8'	ONE THIRD
3	0.5	8'	HALF
4	1.01	8'	FULL

IRRIGATION NOTES

- SOME PIPE LINES ARE DRAWN OFF SET FOR CLARITY. INSTALL ALL IRRIGATION LINES IN LANDSCAPED AREAS.
- REFER TO THE LANDSCAPE PLANS WHEN TRENCHING TO AVOID TREE ROOT BALLS TO INSTALL HEADS AT APPROPRIATE LOCATIONS.
- ADJUST ALL NOZZLES TO REDUCE OVERTHROW ON PAVING & WALLS. THROTTLE ALL IRRIGATION CONTROL VALVES AS REQUIRED TO PREVENT FOGGING. SET CONTROLLER RUN TIMES TO MATCH PLANT WATER NEEDS AND SOIL CONDITIONS.
- INSTALL RISERS 18" FROM WALLS OR BUILDINGS, AND 24" FROM PAVED SURFACES. PAINT ALL RISERS AND SUPPORTS FLAT BLACK.
- INSTALL POP-UP HEADS 18" FROM WALLS, 6" FROM WALKS, DECKS AND CURBS, 6 FEET FROM CURBLESS ROADS, AND 12" FROM THE END OF PARKING SPACES.
- SET TOP OF POP-UP HEAD CAPS 1" ABOVE FINISHED GRADE PRIOR TO SOO OR MULCH INSTALLATION.
- REFER TO UTILITY PLANS PRIOR TO TRENCHING. THE IRRIGATION INSTALLER SHALL BE RESPONSIBLE FOR THE REPAIR OF ANY DAMAGE TO UTILITIES CAUSED BY THEIR WORK DURING THE PROJECT.
- ALL WORK SHALL BE GUARANTEED FOR ONE YEAR FROM THE DATE OF FINAL ACCEPTANCE AGAINST ALL DEFECTS IN EQUIPMENT AND WORKMANSHIP.
- ELECTRIC POWER SUPPLY FOR THE IRRIGATION CONTROLLER SHALL BE BROUGHT TO A JUNCTION BOX AT THE CONTROLLER LOCATION BY THE BUILDING ELECTRICAL CONTRACTOR. IRRIGATION INSTALLER TO PROVIDE ELECTRICAL PERMITS AND LICENSED ELECTRICIAN TO CONNECT THE IRRIGATION CONTROLLER EQUIPMENT TO THE POWER SUPPLY.
- IRRIGATION WATER CONNECTIONS AND SYSTEM CONSTRUCTION SHALL COMPLY WITH THE REQUIREMENTS OF LOCAL CODES FOR IRRIGATION INSTALLATION AND CONNECTIONS TO THE WATER SUPPLY.
- IRRIGATION INSTALLER TO ACQUIRE ALL PERMITS AND UTILIZE ALL SAFETY PRECAUTIONS REQUIRED TO WORK IN ROW OF ROADWAY.
- SIXTY (60) PSI MINIMUM STATIC WATER PRESSURE IS REQUIRED FOR THE EFFICIENT OPERATION OF THE IRRIGATION SYSTEM AS DESIGNED. VERIFY THE MINIMUM STATIC WATER PRESSURE IS AVAILABLE AT THE PROJECT SITE PRIOR TO BEGINNING THE IRRIGATION INSTALLATION. NOTIFY THE LANDSCAPE ARCHITECT IN WRITING IF THE MINIMUM STATIC WATER PRESSURE OR WATER VOLUME IS NOT AVAILABLE.
- AT THE END OF PARKING SPACES PLACE HEADS IN LINE WITH PARKING STRIPES OR 2.5 FEET FROM BACK OF WHEELSTOP. (TYPICAL)
- PRIOR TO STARTING THE WORKS INSPECT THE SITE AND LOCATE ALL EXISTING IRRIGATION PIPES, WIRES AND EQUIPMENT. PROVIDE LABOR AND MATERIALS TO REPAIR ANY DAMAGED EXISTING IRRIGATION. PROVIDE "LIFELINE" PIPES AND WIRES TO KEEP ADJACENT IRRIGATION ZONES OPERATIONAL THROUGHOUT THE WORKS.
- THE IRRIGATION MAINLINE IS DRAWN OFFSET FOR GRAPHIC CLARITY. DO NOT SCALE THE MAINLINE FROM THE DRAWING FOR INSTALLATION. LAYOUT THE IRRIGATION MAINLINE ROUTE IN THE FIELD TO AVOID PROPOSED AND EXISTING TREE ROOT ZONES AND UTILITIES. ALL PIPE SHALL BE INSTALLED WITHIN LANDSCAPE AREAS UNLESS INDICATED OTHERWISE THROUGH SLEEVES.
- CONTRACTOR SHALL FAMILIARIZE THEMSELVES WITH THE EXISTING IRRIGATION SYSTEM THROUGH AS-BUILTS AND SITE INSPECTION TO ENSURE THAT EXISTING SYSTEM IS RETROFITTED AS PART OF THE NEW DESIGN AND THAT ALL EXISTING IRRIGATION TO REMAIN SHALL REMAIN OPERATIONAL. THE SYSTEM IS DESIGNED SO NO WATER SHALL EXCEED 5 FEET PER SECOND VELOCITY THROUGH PIPE. NOTIFY THE LANDSCAPE ARCHITECT IMMEDIATELY IF EXISTING SYSTEM IS UNDERSIZED TO ACCOMMODATE THE NEW DESIGN CHARACTERISTICS.

- FDOT IRRIGATION NOTES
- 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.
 - FDOT requires 24-hour emergency access to water source.
 - Contractor shall provide FDOT District Operations Manager with a set of "As-Built" irrigation plans.

Scale: 1" = 20'-00"



North



PREPARED BY:
ECOPLAN
ECOLOGICAL / ENVIRONMENTAL LAND PLANNING
LAND USE ANALYSIS / LANDSCAPE ARCHITECTURE

1000 S. 10TH STREET
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PREPARED FOR:

FDOT
SUBMITTAL

SHERVIN WILLIAMS

FORT LAUDERDALE, FL

NE 4TH AVE

IRRIGATION
PLAN

DATE: 6/7/21
PROJECT NUMBER: 19B
DRAWN BY: HAP
CHECKED BY: JH
SCALE: 1"=20'
REVISION: DATE BY:

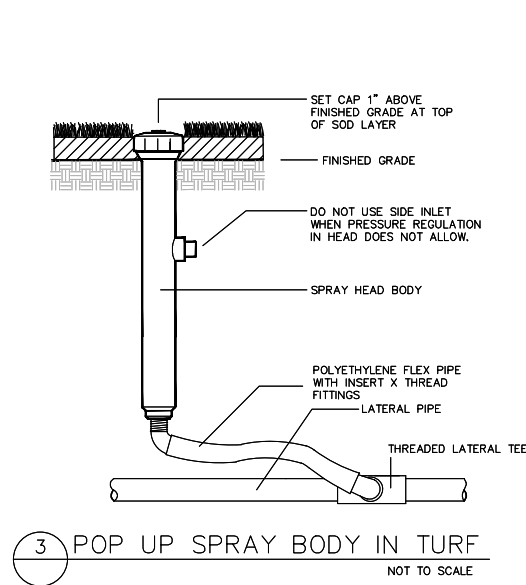
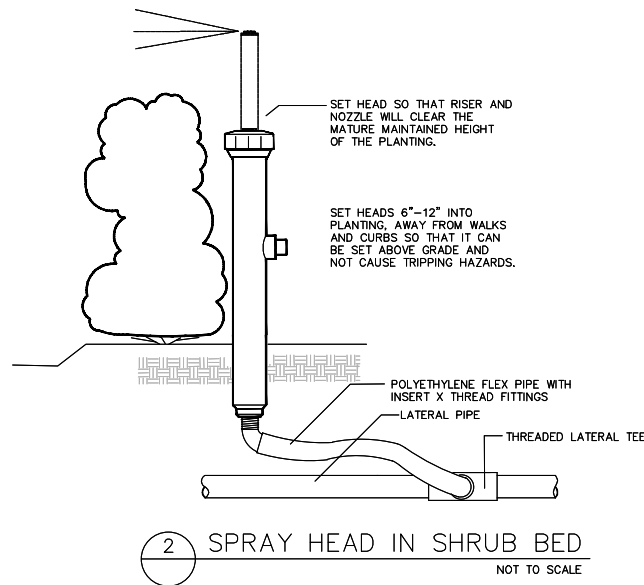
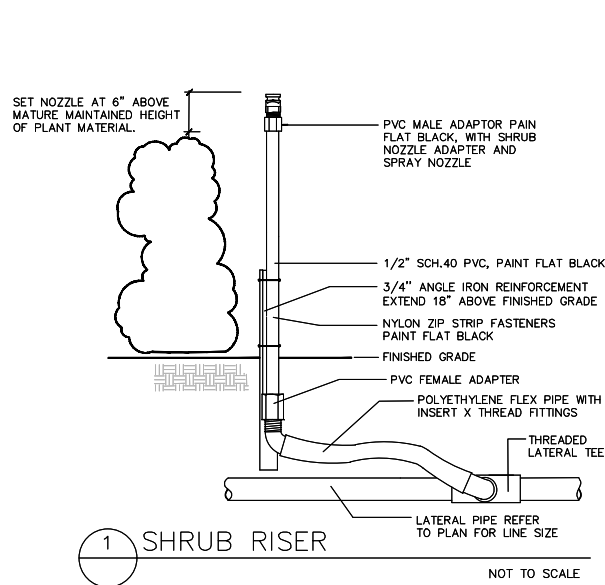
SEAL

Digitally signed by
John F. Harrigan
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cn=John F. Harrigan
Date: 2021.06.18
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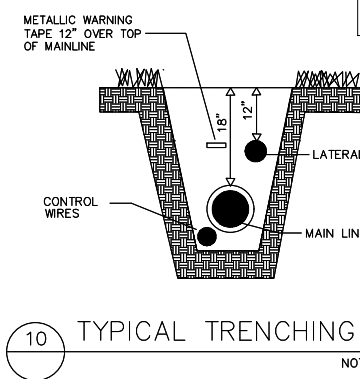
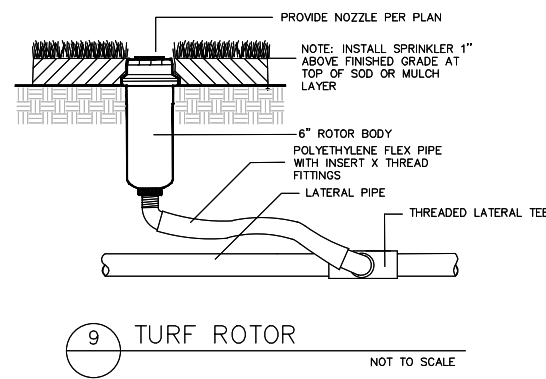
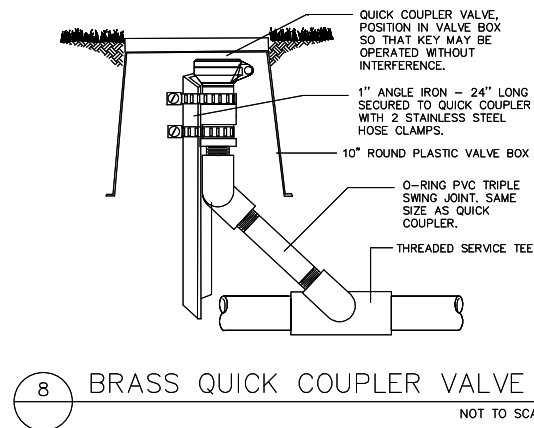
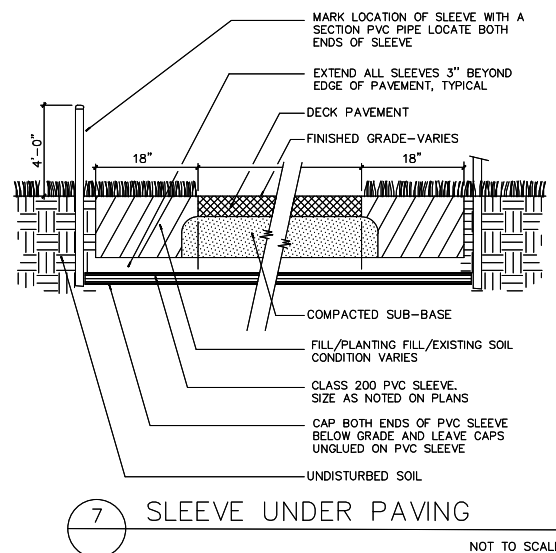
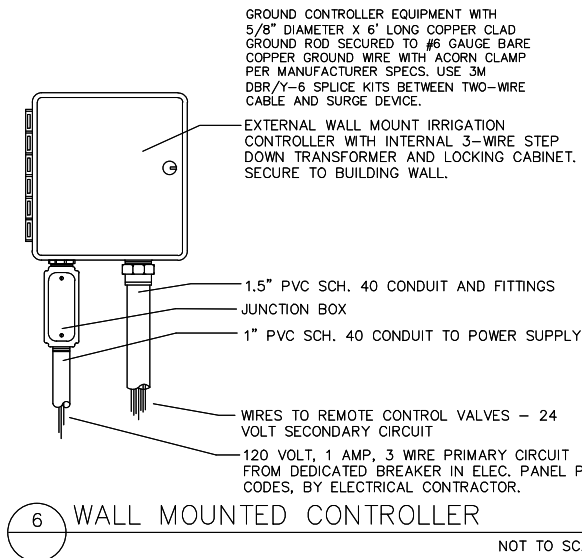
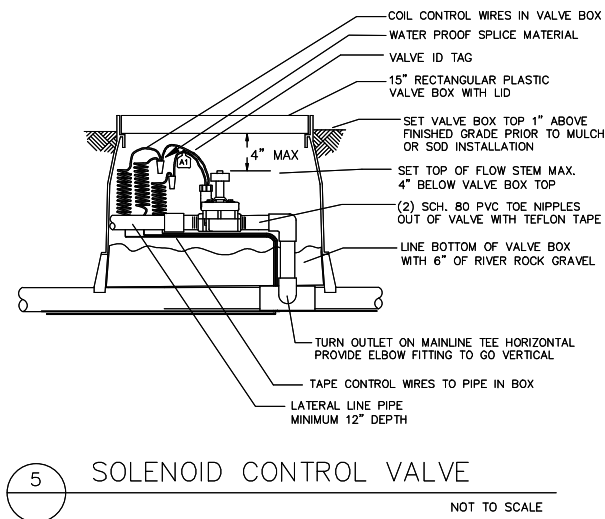
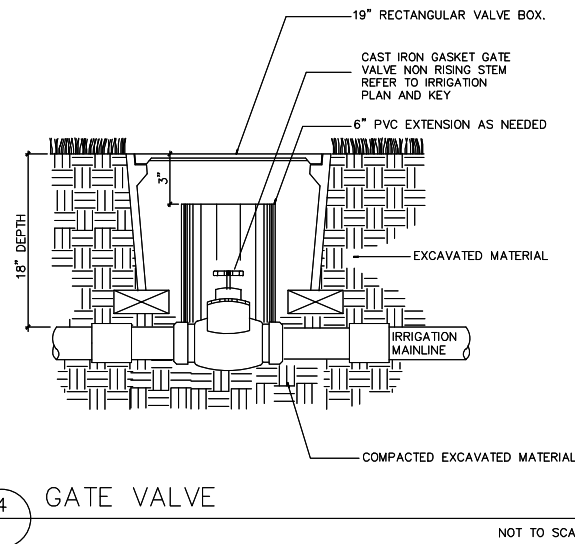


SHEET NUMBER:

IR-1



- FDOT IRRIGATION NOTES**
- 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.
 - FDOT requires 24-hour emergency access to water source.
 - Contractor shall provide FDOT District Operations Manager with a set of "As-Built" irrigation plans.



Design Speed = 40 MPH
FDOT Landscape Permit Number 2021-L-491-00001

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PREPARED FOR:

FDOT
SUBMITTAL

SHERVIN WILLIAMS
FORT LAUDERDALE, FL
NE 4TH AVE

IRRIGATION
DETAILS

DATE: 6/7/21
PROJECT NUMBER: 19D
DRAWN BY: HAP
CHECKED BY: JH
SCALE: 1/20
REVISION: DATE BY:

SEAL
Digitally signed by
John F. Harrigan
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Inc., ou=A01410C0000017
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cn=John F. Harrigan
Date: 2021.06.18
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SHEET NUMBER:
IR-2

SECTION No.:	86170000
Permit No.:	2021-L-491-00001
COUNTY:	Broward
S.R. No.:	811

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(s): SR 811 from M.P. 0.057 to M.P. 0.124
Permit or FM No(s): 2021-L-491-00001
RLA of Record: John Harrigan
Maintaining Agency: City of Fort Lauderdale
Date: May 14, 2021

*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.

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.

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.

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.

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*.

HARDSCAPE (LANDSCAPE ACCENT LIGHTING) (IF APPLICABLE)

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.

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.

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.

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.

PART II: SPECIFIC PROJECT SITE MAINTENANCE REQUIREMENTS AND RECOMMENDATIONS

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.