

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 1st day of December 2021 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. 21-252 dated Nov. 16, 2021, 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

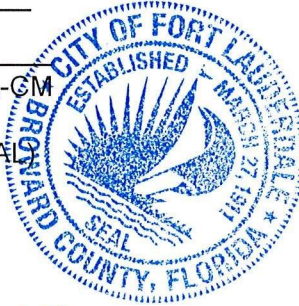
By: [Signature]

Chairperson/Mayor/Manager

Date: 11/22/21

By: [Signature]
Christopher J. Lagerbloom, ICMA-CM

Attest: [Signature] (SEAL)
Clerk



Legal Review Date
[Signature] 11/18/2021
Kimberly Cunningham Mosley
Assistant City Attorney

STATE OF FLORIDA
DEPARTMENT OF TRANSPORTATION

DocuSigned by:
By: [Signature]
Steven Braun
Transportation Development Director

DocuSigned by:
Attest: [Signature] (SEAL)
Executive Secretary

Legal Review Date
DocuSigned by:
[Signature] 12/1/2021 | 11:50 AM EST
Office of the General Counsel

SECTION No.:	86170000
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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:

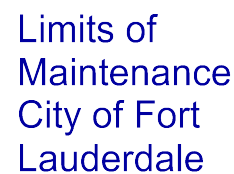
State Road 811 (Dixie Highway / NE 4th Avenue) from M.P.0.057 to M.P. 0.124

III. LANDSCAPE IMPROVEMENTS MAINTENANCE RESPONSIBILITIES MAP:

Please See Attached Map

*All limits of the original agreement and amendments shall apply

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



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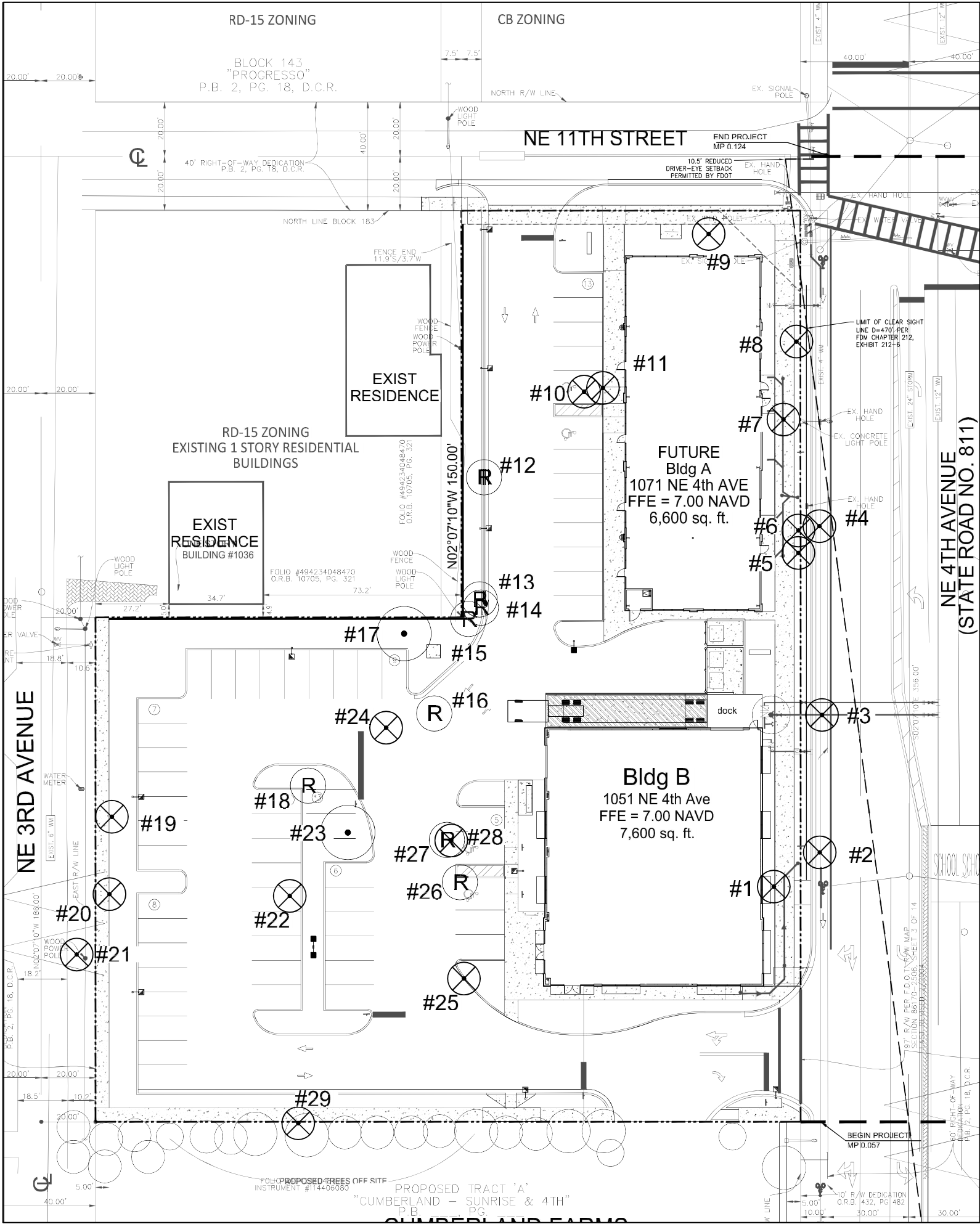
EXHIBIT B

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	TO BE REMOVED	9
3	QUERCUS VIRGINIANA	SOUTHERN LIVE OAK	25	16	Y	A	57	AVERAGE	FDOT ROW	TO BE REMOVED	9
4	QUERCUS VIRGINIANA	SOUTHERN LIVE OAK	25	16	Y	A	57	AVERAGE	FDOT ROW	TO BE REMOVED	9
5	ALBIZIA JULIBRISSIN	MONKEY POD	10	8	N	F	0		INVASIVE	TO BE REMOVED	0
6	SABAL PALMETTO	SABAL PALM	0	10	Y	A	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	A	50			TO BE RELOCATED	0
13	SABAL PALMETTO	SABAL PALM	6	10	Y	A	50			TO BE RELOCATED	0
14	SABAL PALMETTO	SABAL PALM	8	10	Y	A	50			TO BE RELOCATED	0
15	SABAL PALMETTO	SABAL PALM	10	10	Y	A	50			TO BE RELOCATED	0
16	SABAL PALMETTO	SABAL PALM	4	10	Y	A	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	A	50			TO BE RELOCATED	0
19	COCOS NUCIFERA	COCONUT PALM	20	12	N	A	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	A	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	A	50			TO BE RELOCATED	0
27	SABAL PALMETTO	SABAL PALM	20	10	Y	A	50			TO BE RELOCATED	0
28	CALOPHYLLUM BRASILIENSE	SOLITARY PALM	20	3	N	A	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, 2015
Sherwin Williams - NE 4th Avenue
FL, Lauderdale, FL 33305

Tree 1:
Identification: Black Olive (Bucida Buceras)
Size: 25 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: 60 x 15 = 9 caliper inches

Tree 2:
Identification: Live Oak (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: Live Oak (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: Live Oak (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 Saman)
Size: 20 foot overall height
12 foot canopy spread
8 inch caliper trunk
Invasive species
Poor condition
50 Replacement Value

Tree 6:
Identification: Sabal Palmetto (Cabbage Palm)
Size:
Condition:
3 foot of clear trunk
Condition rate 0%
0 Replacement Value

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

Tree 8:
Identification: Live Oak (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 9:
Identification: Live Oak (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 10:
Identification: Live Oak (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 11:
Identification: Live Oak (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 12:
Identification: Live Oak (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 13:
Identification: Live Oak (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 14:
Identification: Live Oak (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 15:
Identification: Live Oak (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 16:
Identification: Live Oak (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 17:
Identification: Live Oak (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 18:
Identification: Live Oak (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 19:
Identification: Live Oak (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 20:
Identification: Live Oak (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 21:
Identification: Live Oak (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 22:
Identification: Live Oak (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 23:
Identification: Live Oak (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 24:
Identification: Live Oak (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 25:
Identification: Live Oak (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 26:
Identification: Live Oak (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 27:
Identification: Live Oak (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 28:
Identification: Live Oak (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 29:
Identification: Live Oak (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 14:
Identification: Sabal Palmetto (Cabbage Palm)
Size:
Condition:
8 foot clear trunk
Condition rate 50%
\$180 Replacement Value

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

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

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

Tree 18:
Identification: Sabal Palmetto (Cabbage Palm)
Size:
Condition:
16 foot clear trunk
Condition rate 50%

Tree 19:
Identification: Sabal Palmetto (Cabbage Palm)
Size:
Condition:
18 foot clear trunk
Condition rate 50%

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

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

Tree 22:
Identification: Sabal Palmetto (Cabbage Palm)
Size:
Condition:
24 foot clear trunk
Condition rate 50%

Tree 23:
Identification: Sabal Palmetto (Cabbage Palm)
Size:
Condition:
26 foot clear trunk
Condition rate 50%

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

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

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

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

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

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

Tree 14:
Identification: Sabal Palmetto (Cabbage Palm)
Size:
Condition:
8 foot clear trunk
Condition rate 50%
\$180 Replacement Value

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

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

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

Tree 18:
Identification: Sabal Palmetto (Cabbage Palm)
Size:
Condition:
16 foot clear trunk
Condition rate 50%

Tree 19:
Identification: Sabal Palmetto (Cabbage Palm)
Size:
Condition:
18 foot clear trunk
Condition rate 50%

Tree 20:
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Size:
Condition:
38 foot clear trunk
Condition rate 50%

Dan Remy
Certified Arborist FL-0721A
482 W Prospect Road
Oakland Park, FL 33309
Phone (854) 523-3900 - Fax (854) 523-9914
remytree@aol.com

Dan Remy
Certified Arborist FL-0721A

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 16 STREET
FORT LAUDERDALE, FLORIDA 33316
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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:

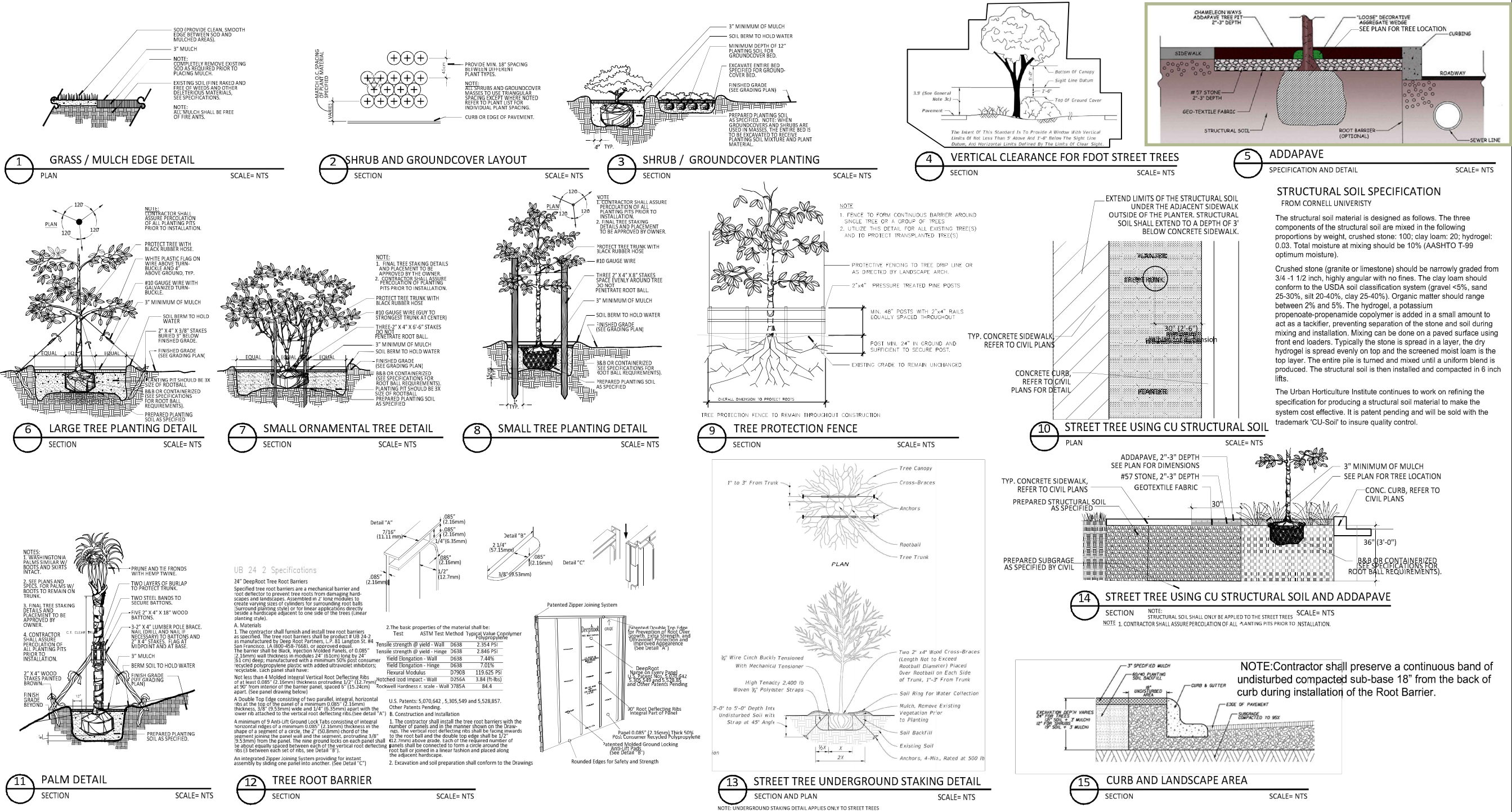
SEAL
Digitally signed by
John F. Harrigan
DN: c=US,
o=EcoPlan Inc.,
ou=A01410C000001
90-A01410C0000023
7144727F76000023
E2, cn=John F.
Harrigan
Date: 2021.06.18
15:35:52 -0400

6
SHEET NUMBER:
LAPL-0

PLANT SCHEDULE								
TREES	CODE	BOTANICAL NAME	COMMON NAME	CONTAINER	SIZE	CALIPER	QTY	
	EE	Existing Tree	Existing Tree	---			7	
	LN	Lagerstroemia x 'Natchez'	Crape Myrtle	FG/BB	12' HT, 5-6' SPR	2.5" MIN	9	
	LW	Lysiloma latisiliqua	Wild Tamarind	FG/BB	12' HT, 5-6' SPR	2.5" MIN	4	
	LW3	Lysiloma latisiliqua	Wild Tamarind	FG/BB	12' HT, 5-6' SPR	3.5" MIN	3	
	MF	Myrcianthes fragrans	Simpson's Stopper	FG/BB	10' HT, X 5' SPR		13	
	QV	Quercus virginiana	Southern Live Oak	FG/BB	14' HT, X 7' SPR	3.5" MIN	3	
	QH2	Quercus virginiana 'High Rise'	High Rise Live Oak	FG/BB	12' HT, 4'-5' SPR	2.5" MIN	4	
	QH	Quercus virginiana 'High Rise'	High Rise Live Oak	FG/BB	16'-18' HT, 4'-5'SPR, 8.5' CT	3.5" MIN	8	
NOTE: STREET TREES SHALL NOT BE PLANTED ANY CLOSER THAN 4'-9" FROM THE FACE OF CURB AND SHALL BE STAKED UNDERGROUND.								
PALMS	CODE	BOTANICAL NAME	COMMON NAME	CONTAINER	SIZE	CALIPER	QTY	
	SS	Sabal palmetto	Cabbage Palmetto	FG/BB	10-14' CT		3	
	VM3	Veitchia montgomeryana	Montgomery Palm - Triple	FG/BB	18' - 24' CT		2	
	VM	Veitchia montgomeryana	Montgomery Palm	FG/BB	20' CT		6	
RELOCATED TREES	CODE	BOTANICAL NAME	COMMON NAME	CONTAINER	SIZE	CALIPER	QTY	
	RSP	Sabal palmetto	Cabbage Palmetto	---	Transplant		7	
SHRUB AREAS	CODE	BOTANICAL NAME	COMMON NAME	SIZE	SPACING	NATIVE	SPACING	QTY
	CR	Chrysobalanus icaco 'Red Tip'	Red Tip Cocoplum	24"HT, 24" SPR			24" o.c.	316
	HL	Hymenocallis latifolia	Spider Lily	18" x 18"			24" o.c.	292
	NE	Nephrolepis exaltata	Boston Fern	18" x 18"			24" o.c.	350
	SP	Syzygium paniculatum	Brush Cherry	48" HT x 30" SPR			36" o.c.	98
GROUND COVERS	CODE	BOTANICAL NAME	COMMON NAME	SIZE	SPACING	SPACING	QTY	
	FG	Ficus microcarpa 'Green Island'	Green Island Ficus	16" HT, 16" SPR			30" o.c.	191
	Mc	Muhlenbergia capillaris	Pink Muhly	16" X 16"			24" o.c.	571
	SOD	Stenotaphrum secundatum 'St. Augustine'	Seville Sod	---				6,152 sf

Landscape Calculations - Sherwin Williams			
Site Area			67,067 SF
Sec. 47-21.8-R		Required	Provided
Irrigated turfgrass no more than 50% of the landscaped area	Landscaped area = 12,805 sf	<6,403 sf turf	5,802 sf
Sec. 47-21.8-S		Required	Provided
Native and drought-tolerant landscaping must be a minimum of 50% of the non-turfgrass landscaped area	Non-turfgrass landscaped area = 7,003	50%	75%
Sec. 47-21.12-A-1		Required	Provided
Landscaping shall be provided in a square foot area equal to a minimum of 20% of the gross VUA	VUA = 31,285 sf	6,257 sf	8,756 sf
Sec. 47-21.12-A-3		Required	Provided
Interior landscape area. At least thirty (30) square feet of interior landscape area shall be provided for every interior parking and loading space and shall not be part of any perimeter landscape area.	57 spaces	1,710 sf	7,809 sf
Perimeter landscape area			4,996 sf
Sec. 47-21.12-C-1		Required	Provided
One (1) tree and (6) six shrubs shall be required for every one thousand (1,000) sf of VUA	VUA = 31,285 sf	31 trees, 186 shrubs	32 trees, +200 shrubs
25% of the required trees shall be shade species with 3.5" minimum caliper. 25% with 2.5" shade species, 20% should be flowering, 20% should be palms, 10% optional species.		16 shade trees 6 flowering 6 palms 3 other	16 shade trees (2 are existing) 8 flowering 8 palms
Sec. 47-21.13-1		Required	Provided
There shall be at least (1) tree for each one thousand (1,000) sf of net lot area - in addition to VUA requirements - 20% shall be shade trees	Net lot area = 6,548 sf	7 trees (1 shade)	4 trees (1 shade)
Sec. 47-21.13-2		Required	Provided
See Sec. 47-21.12-A-1 and Sec. 47-21.12-C-1 above			
Sec. 47-21.13-10		Required	Provided
Diversity of tree mix - Of the overall number of trees required, not more than one-half of the required tree count can be of (1) genus. At least 40% of all required trees shall consist of native species.		58 required trees total = < 29 of one species and >40% native	18 of one species and >80% native required trees
Sec. 47-21.13-16		Required	Provided
Street trees shall be planted in an area located between the roadway and the property line. A minimum of 50% of the required street trees shall be shade trees. Street trees shall be provided at a ratio of one street tree per 40 feet of street frontage. If overhead utilities exist, required street trees may be small trees provided at a ratio of one street tree per 20 feet of street frontage. Minimum heights in Section 47-21.	4th Ave = 335.7' / 40 = 8 trees, NE 11 St = 125' / 40 = 3 trees (water main 4' off curb in landscape), NE 3 Ave = 180' / 20 = 9 trees overhead utilities @ 3rd Ave	4th Ave = 8 trees NE 11 St = 3 trees NE 3 Ave = 9 trees	4th Ave = 8 shade trees NE 11 St = 0 trees NE 3 Ave = 13 trees

PREPARED BY: EcoPLAN <small>ECOLOGICAL / ENVIRONMENTAL LAND PLANNING LAND USE ANALYSIS - LANDSCAPE ARCHITECTURE</small> <div style="text-align: center; font-size: small;"> 303 W. 9TH STREET FORT LAUDERDALE, FLORIDA 33316 PHONE (813) 824-9722 FAX (813) 824-9289 www.ecoplan-fl.com </div>																							
PREPARED FOR:																							
<h1 style="margin: 0;">FDOT SUBMITTAL</h1>																							
<h2 style="margin: 0;">SHERWIN WILLIAMS</h2>	<p style="font-weight: bold; margin: 0;">NE 4TH AVE</p> <hr style="width: 50%; margin: auto;"/> <p style="font-weight: bold; margin: 0;">FORT LAUDERDALE, FL</p>																						
<h1 style="margin: 0;">PLANTING PLAN</h1>																							
<table style="width: 100%;"> <tr> <td style="width: 50%;">DATE</td> <td style="width: 50%;">6/7/21</td> </tr> <tr> <td>PROJECT NUMBER:</td> <td>191B</td> </tr> <tr> <td>DRAWN BY:</td> <td>HAP</td> </tr> <tr> <td>CHECKED BY:</td> <td>JH</td> </tr> <tr> <td>SCALE</td> <td>120</td> </tr> <tr> <td>REVISION:</td> <td>DATE BY:</td> </tr> <tr><td> </td><td> </td></tr> <tr><td> </td><td> </td></tr> <tr><td> </td><td> </td></tr> <tr><td> </td><td> </td></tr> <tr><td> </td><td> </td></tr> </table>		DATE	6/7/21	PROJECT NUMBER:	191B	DRAWN BY:	HAP	CHECKED BY:	JH	SCALE	120	REVISION:	DATE BY:										
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SHEET NUMBER: <h1 style="margin: 0;">LAPL-1</h1>																							



LANDSCAPE NOTES

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 FDOT 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.

7. ALL TREES 6' TALL OR LARGER SHALL BE STAKED AND GUYED WITH VERTICAL 2" X 2" PINE STAKES OR 4" DIAMETER POST IN DETAILS. NO DEVIATIONS UNLESS APPROVED IN WRITING.
8. PLANTING SOIL FOR ALL PLANT MATERIALS SHALL CONSIST OF TWO (2) PARTS OF TOPSOIL WITH ONE (1) PART PEAT MOSS AND .9 kg FERTILIZER PER CUBIC METER, WELL MIXED.
9. ALL PLANT MATERIALS SHALL BE WATERED BY THE CONTRACTOR THOROUGHLY WHEN PLANTED AND DURING THE PLANTING TIME PERIOD UP TO FINAL ACCEPTANCE BY OWNER.
10. PROVIDE NEW TOPSOIL FOR TURF IN ALL SODDED AND SEEDDED AREAS. TOPSOIL SHALL BE FERTILE, BLACK IN COLOR, FRIABLE, NATURAL LOAM, SURFACE SOIL, REASONABLY FREE OF SUBSOIL, CLAY LUMPS, BRUSH, WEEDS AND OTHER LITTER, AND FREE OF ROOTS, STUMPS, STONES LARGER THAN 3 cm in ANY DIMENSION, AND OTHER EXTRANEOUS OR TOXIC MATTER HARMFUL TO SOD GROWTH. OBTAIN TOPSOIL ONLY FROM NATURALLY, WELL DRAINED SITES WHERE TOPSOIL OCCURS IN A DEPTH OF NOT LESS THAN 10 cm. DO NOT OBTAIN FROM BOGS OR MARSHES. THE CONTRACTOR SHALL PROVIDE A SOILS TEST REPORT SHOWING pH AND NUTRIENTS; - pH SHALL BE 5.5 TO 6.0. IF NOT THEN USE THE APPROPRIATE SOIL AMENDMENTS TO REACH 5.5 TO 6.0.
11. CONTRACTOR TO VERIFY ALL EXISTING UNDERGROUND UTILITIES PRIOR TO ANY DIGGING.
12. THE CONTRACTOR SHALL NOTIFY THE LANDSCAPE ARCHITECT OF ANY CONFLICT OR DISCREPANCY IN PLANS PRIOR TO PERFORMING ANY WORK IN THE AFFECTED AREA.
13. CONTRACTOR SHALL CLEAN UP AND REMOVE FROM THE PREMISES ALL SURPLUS AND DISCARDED MATERIALS AND RUBBISH FROM HIS CONSTRUCTION.
14. ALL SHRUBS, GROUNDCOVERS, AND SOD SHALL BE GUARANTEED FROM NINETY (90) DAYS AFTER FINAL ACCEPTANCE BY OWNER. ALL TREES SHALL BE GUARANTEED FOR ONE (1) YEAR AFTER FINAL ACCEPTANCE BY OWNER.

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.

FDOT Landscape Permit Number 2021-L-491-00001

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PREPARED FOR:

FDOT
SUBMITTAL

SHERWIN WILLIAMS

FORT LAUDERDALE, FL

NE 4TH AVE

PLANTING
DETAILS

DATE: 6/7/21
PROJECT NUMBER: 19B
DRAWN BY: HAP
CHECKED BY: JH
SCALE: 120
REVISION: DATE: BY:

SEAL

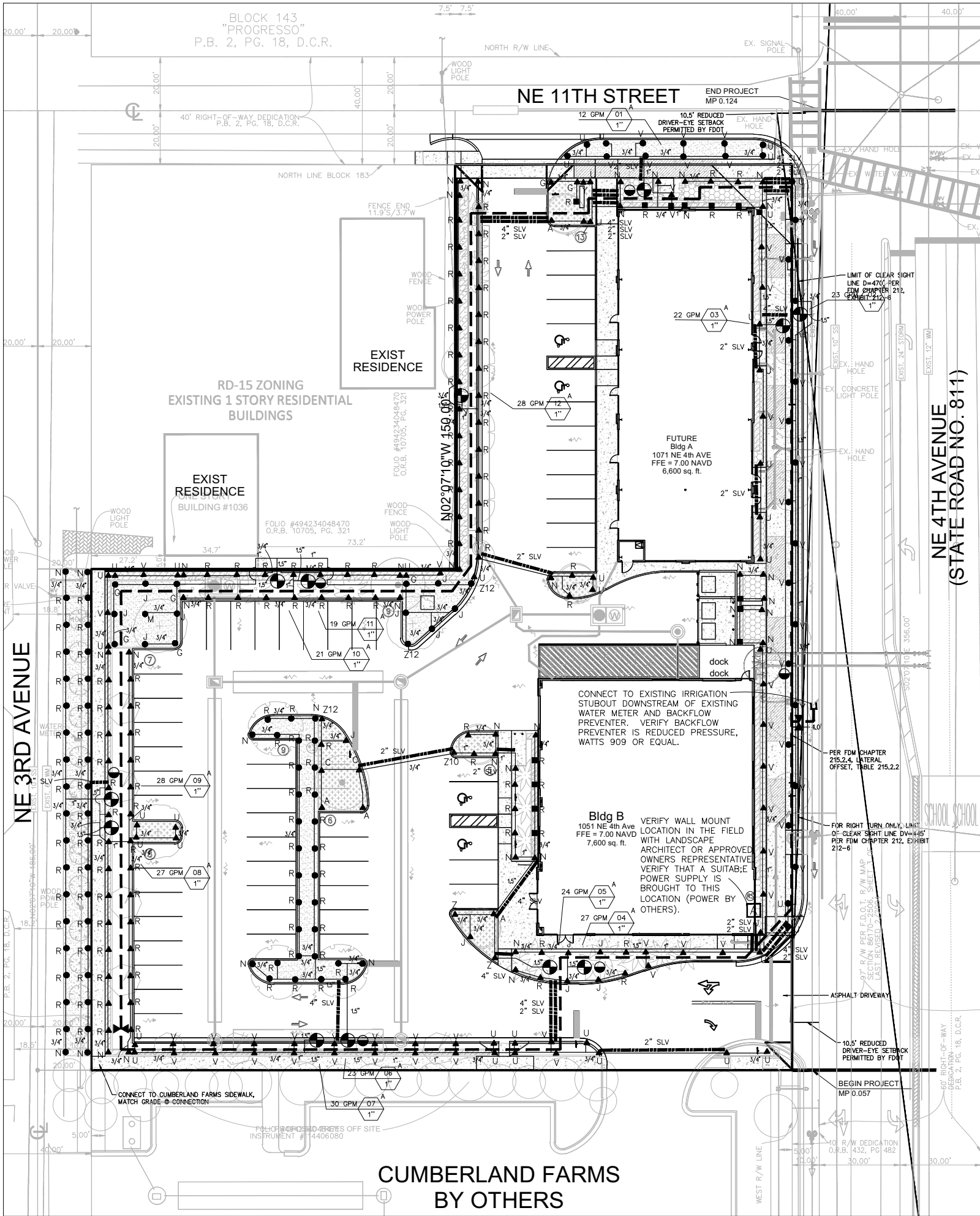
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John F. Harrigan
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Harrigan
Date: 2021.06.18
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SHEET NUMBER:

LAPL-2





- 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.
 - 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 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 44RC VALVE WITH 44K KEY + SH-1.

- 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.

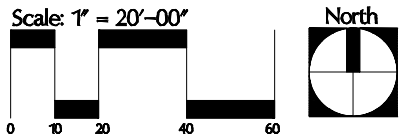
SPRAY BODIES

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

S ● 6" POP-UP TURF SPRAY BODY
T ▲ 12" POP-UP SHRUB SPRAY BODY
R ■ 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

- 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.



PREPARED BY:
ECOPLAN
ECOLOGICAL / ENVIRONMENTAL LAND PLANNING
LAND USE ANALYSIS • LANDSCAPE ARCHITECTURE
1015 S. 10TH STREET
FORT LAUDERDALE, FL 33304
PHONE 954-684-2729 FAX 954-684-2740
www.ecoplan.com

PREPARED FOR:

**FDOT
SUBMITTAL**

SHERVIN WILLIAMS
FORT LAUDERDALE, FL
NE 4TH AVE

**IRRIGATION
PLAN**

DATE	6/7/21
PROJECT NUMBER	199
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=A01410C0000017
74472F76000023E2,
cn=John F Harrigan
Date: 2021.06.18
15:38:39 -0400



SHEET NUMBER:

IR-1

FDOT
SUBMITTAL

SHERWIN WILLIAMS

FORT LAUDERDALE, FL

NE 4TH AVE

IRRIGATION DETAILS

DATE	6/7/21	
PROJECT NUMBER:	1973	
DRAWN BY:	HAP	
CHECKED BY:	JH	
SCALE	120	
REVISION:	DATE	BY:

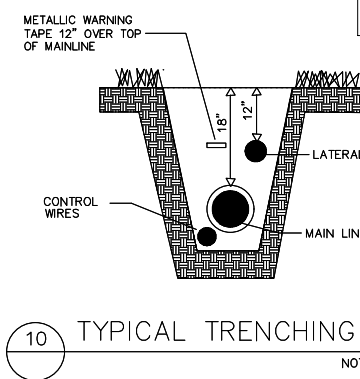
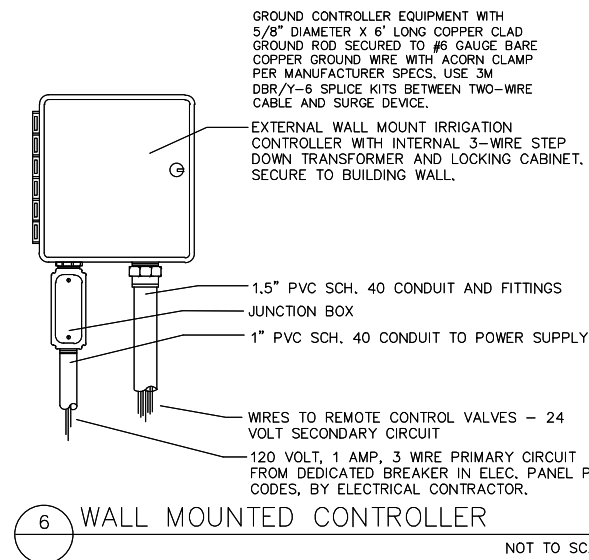
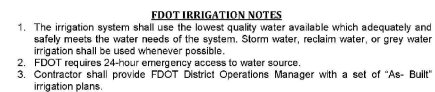
SEAL

Digitally signed by
John F Harrigan
DN: c=US, o=EcoPlan
Inc,
ou=A01410C0000017
74472F7F600023E2,
cn=John F Harrigan
Date: 2021.06.18
15:39:28 -04'00'



SHEET NUMBER:

IR-2



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

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.

CERTIFICATION
I CERTIFY THIS TO BE A TRUE AND CORRECT
COPY OF THE RECORD OF THE City of
Fort Lauderdale, Florida
WITNESSETH my hand and official seal of
the City of Fort Lauderdale, Florida, this
the 22nd day of November, 20 21
[Signature] City Clerk

RESOLUTION NO. 21-251

A RESOLUTION OF THE CITY COMMISSION OF THE CITY OF FORT LAUDERDALE, FLORIDA, APPROVING AND AUTHORIZING EXECUTION OF THE DISTRICT FOUR AMENDMENT NUMBER ONE TO THE STATE OF FLORIDA DEPARTMENT OF TRANSPORTATION LANDSCAPE MAINTENANCE MEMORANDUM OF AGREEMENT FOR INSTALLATION AND MAINTENANCE OF LANDSCAPE AND STREETSCAPE IMPROVEMENTS WITHIN THE RIGHT-OF-WAY OF STATE ROAD 811, AND AN ASSUMPTION OF LIABILITY AND HOLD HARMLESS AGREEMENT WITH PLAZA STREET FUND 90, LLC, AND PROVIDING FOR AN EFFECTIVE DATE.

WHEREAS, the City of Fort Lauderdale, Florida ("City") and the Florida Department of Transportation ("FDOT") entered into a District Four (4) Maintenance Memorandum of Agreement ("MMOA") on June 16, 2005; and

WHEREAS, the City wishes to enter into Amendment Number One to the Landscape Maintenance Memorandum of Agreement ("Amendment Number One") with FDOT for installation and maintenance of landscape and streetscape improvements ("improvements") within the right-of-way on State Road 811 (Dixie Highway/NE 4th Avenue), between Mile Post 0.057 to Mile Post 0.124; and

WHEREAS, the landscape and streetscape improvements will be installed in accordance with the plans and specifications of the MMOA and Amendment Number One; and

WHEREAS, because State Road 811 is an FDOT right-of-way, authorization for the improvements must be permitted by FDOT; and

WHEREAS, FDOT requires municipalities to enter into a Landscape Maintenance Memorandum of Agreement for the maintenance of landscape, streetscape and hardscape improvements; and

WHEREAS, the City and the current owner of the properties, Plaza Street Fund 90, LLC, have agreed to enter into an Assumption of Liability and Hold Harmless Agreement, which passes the maintenance responsibility and costs associated with the MMOA and Amendment Number One, to Plaza Street Fund 90, LLC; and

WHEREAS, Plaza Street Fund 90, LLC, agrees to assume and hold the City harmless from any obligations under the MMOA and Amendment Number One, pertaining to any improvements installed in the right-of-way by Plaza Street Fund 90, LLC;

21-251



RESOLUTION NO. 21-251

PAGE 2

NOW, THEREFORE, BE IT RESOLVED BY THE CITY COMMISSION OF THE CITY OF FORT LAUDERDALE, FLORIDA:

SECTION 1. That the City Commission of the City of Fort Lauderdale, Florida hereby approves and authorizes the execution of the District Four (4) Amendment Number One (1) to the State of Florida Department of Transportation Landscape Maintenance Memorandum of Agreement for the installation and maintenance of landscape and streetscape improvements within the right-of-way on State Road 811.

SECTION 2. That the Assumption of Liability and Hold Harmless Agreement between the City and Plaza Street Fund 90, LLC, is hereby approved and the City Commission authorizes execution of the Assumption of Liability and Hold Harmless Agreement.

SECTION 3. The Office of the City Attorney shall review and approve as to form all documents prior to their execution by the parties.

SECTION 4. That this Resolution shall be in full force and effect upon final adoption.

ADOPTED this 16th day of November, 2021.



Mayor
DEAN J. TRANTALIS

ATTEST:



City Clerk
JEFFREY A. MODARELLI