SECTION NO(S): 86130000 S.R. NO.(S): 849 COUNTY: Broward

PERMIT NO.: 2022-L-491-00005

DISTRICT FOUR (4) AMENDMENT NUMBER TWENTY-THREE (23) TO STATE OF FLORIDA DEPARTMENT OF TRANSPORTATION INCLUSIVE LANDSCAPE MAINTENANCE MEMORANDUM OF AGREEMENT

This is Amendment Number	Twenty-Three (23) to the Agree	ment dated December 5
2007, made and entered into this	day of	20 by and
between the State of Florida		
"DEPARTMENT" and the CITY (OF POMPANO BEACH, a mun	icipal corporation of the
State of Florida, hereinafter called	the "AGENCY".	•

WHEREAS, the parties entered into the Inclusive Landscape Maintenance Memorandum of Agreement dated December 5, 2007 for the purpose of maintaining the landscape improvements by the AGENCY on various State Road(s) including State Road 849 (NW 31st Avenue / Atlantic Blvd. Extension); and

WHEREAS, the DEPARTMENT and the AGENCY have agreed to add additional landscape improvements to be installed on State Road 849 (NW 31st Avenue) in accordance with the above referenced Agreement; and

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

- 1. Pursuant to paragraph 1, page 1 of the Amendment Number Six (6) Landscape Inclusive Maintenance Memorandum of Agreement dated August 9, 2013, the DEPARTMENT will allow an adjacent property owner to construct additional landscape improvements or to modify an improvement located as indicated in **Exhibit "A"**, in accordance with the plans attached as **Exhibit "B"**.
- 2. The AGENCY shall agree to maintain the additional landscape improvements according to **Exhibit "F"** Maintenance Plan of the original agreement, Amendment #21, and as follows:

PART II. SPECIFIC PROJECT SITE MAINTENANCE REQUIREMENTS AND RECOMMENDATIONS

Project includes city required street trees, relocated palms, sod and irrigation.

Existing trees shall continue to be maintained to allow for visibility under the canopy and to keep the sidewalk and roadway clear of overhead obstructions. The proposed Oaks shall be likewise maintained as they mature, to allow for visibility into the site and to the price sign. Routine pruning and trimming may be required and regular intervals to maintain these conditions.

Except as modified by this Amendment, all terms and conditions of the original AGREEMENT shall remain in full force and effect.

LIST OF EXHIBITS

Exhibit A – Landscape Improvements Maintenance Boundaries

Exhibit B – Landscape Improvement Plan

In Witness whereof, the parties hereto have executed this Amendment effective the day and year first above written.

CITY OF POMPANO BEACH	
By:Chairperson/Mayor/Ma	nager
Attest:Clerk	(SEAL)
Legal Review	Date
STATE OF FLORIDA DEPARTMENT OF TRANSPO	<u>DRTATION</u>
By:Transportation Developm	nent Director
Attest:Executive Secretary	
Legal Review	Date
Office of the General Counsel	

SECTION NO(S): 86130000 S.R. NO.(S): 849

COUNTY: Broward

PERMIT NO.: 2022-L-491-00005

EXHIBIT A

LANDSCAPE IMPROVEMENTS MAINTENANCE BOUNDARIES

I. PERMIT PROJECT LANDSCAPE IMPROVEMENTS MAINTENANCE LIMITS:

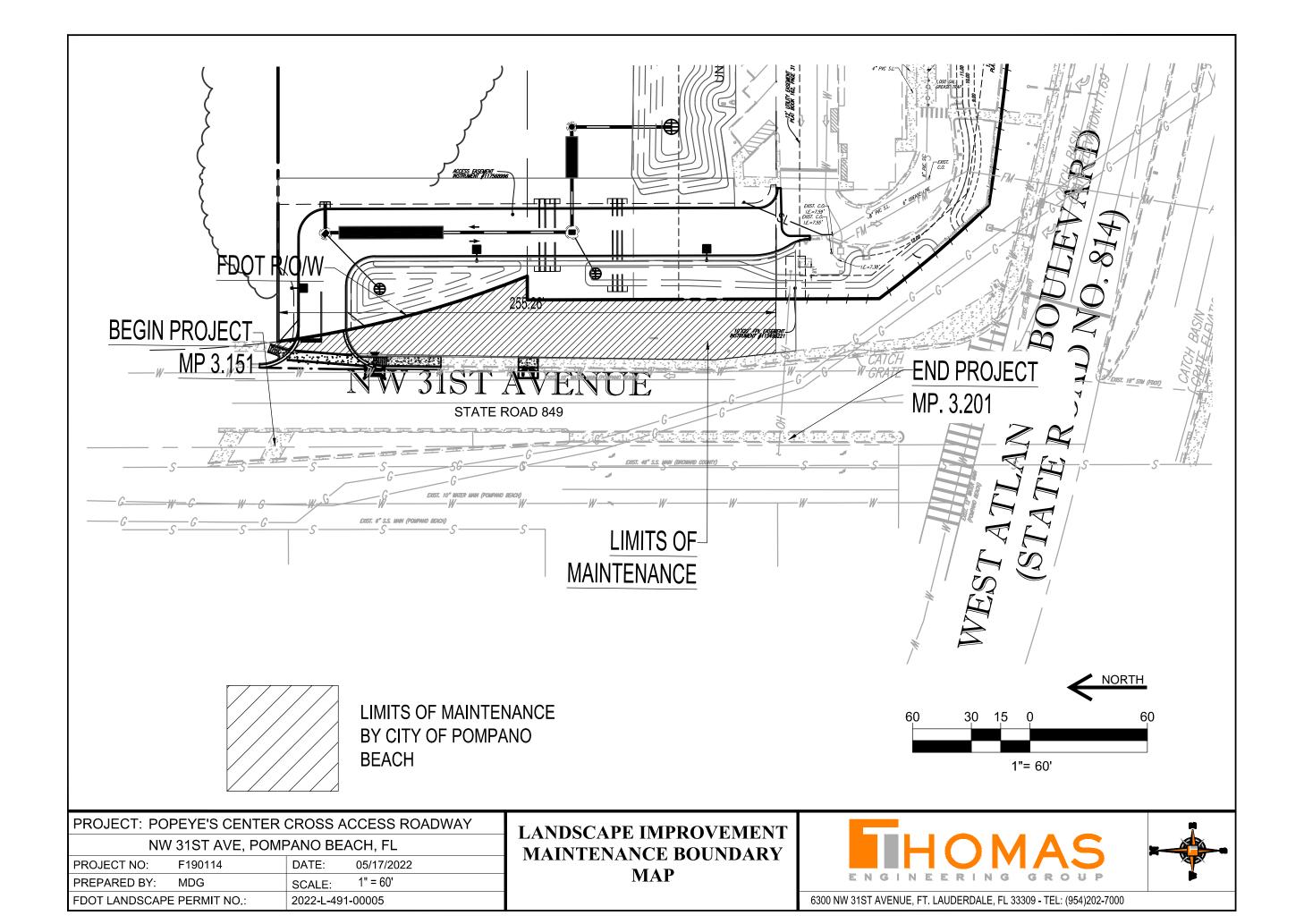
State Road 849 (NW 31st Avenue) from M.P. 3.151 to M.P. 3.201

II. ORIGINAL INCLUSIVE LANDSCAPE MAINTENANCE AGREEMENT LIMITS FOR STATE ROAD 849 (NW 31st Avenue):

State Road 849 (NW 31st Avenue) from M.P. 2.271 (Coconut Creek Road) to M.P. 3.228 (Atlantic Blvd.)

III. LANDSCAPE IMPROVEMENTS MAINTENANCE BOUNDARY MAP:

Please See Attached



SECTION NO(S): 86130000 S.R. NO.(S): 849

COUNTY: Broward

PERMIT NO.: 2022-L-491-00005

EXHIBIT B

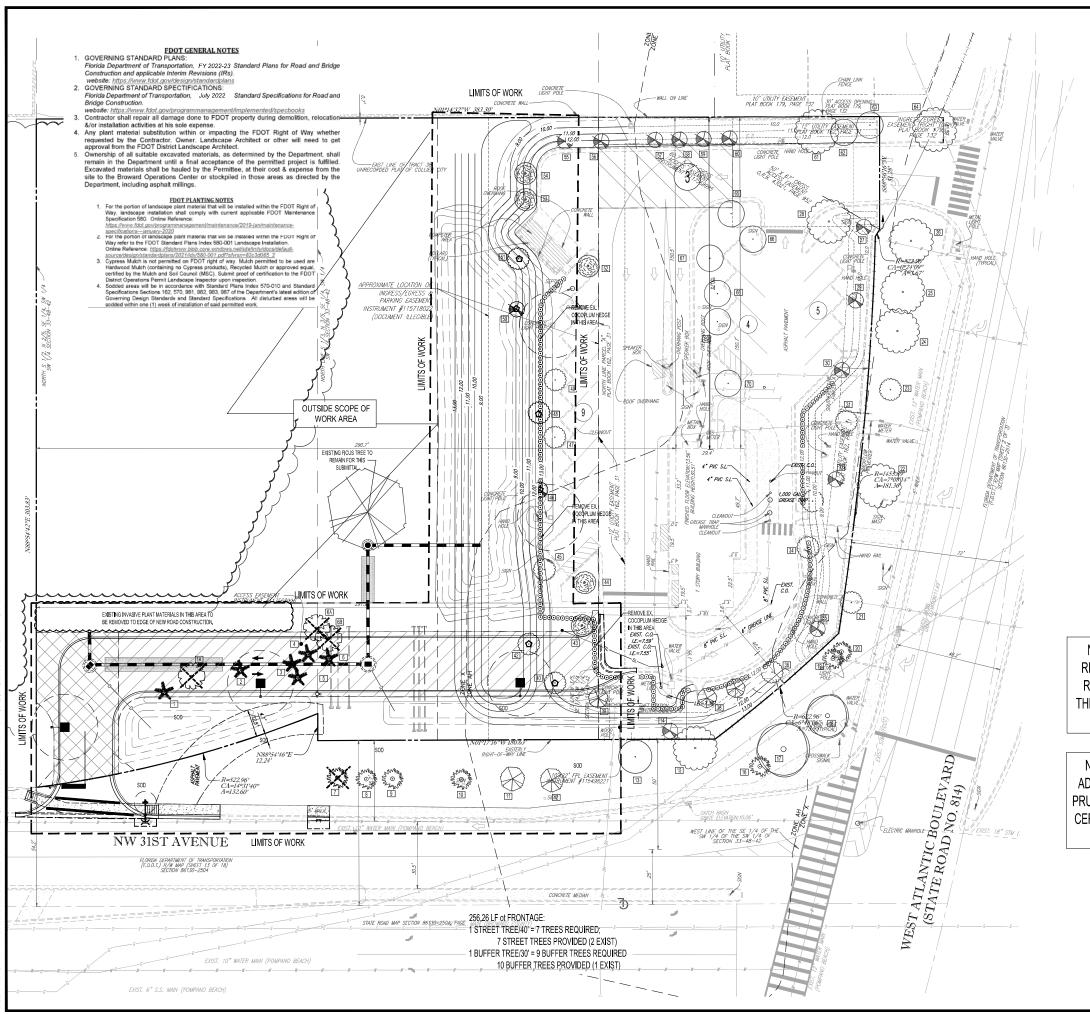
LANDSCAPE IMPROVEMENT PLANS

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: Michael Grosswirth, RLA

Thomas Engineering Group

Date: July 18, 2022



Michael D Digitallysis Grosswirth DN: c=US, ENGINEER OU=A0141 1F0000EFA Grosswirth Date: 2022

Digitally signed by Michael L Grosswirth DN: c=US, o=THOMAS ENGINEERING GROUP LLC, ou=A01410C000001720E318 1F0000EFAC, cn=Michael D Grosswirth Date: 2022.07.18 13:32:26

TREES TO BE REMOVED SHALL BE CUT DOWN TO THE STUMP 12-16" ABOVE GRADE). APPLY POTASSIUM NITRATE BASED PRODUCT (TBD) TO REMAINING STUMP TO INITIATE ROTTING OF THE STUMP FOR REMOVAL. SUBMIT PRODUCT SPECIFICATION TO LANDSCAPE ARCHITECT FOR REVIEW AND APPROVAL BY THE CITY OF POMPANO BEACH URBAN FORESTER.

ALL TREE WORK TO BE PERFORMED BY A BROWARD COUNTY REGISTERED TREE TRIMMER.

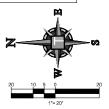
PLEASE SEE SHEET L-1.1 FOR TREE DISPOSITION CHART

UNLESS OTHERWISE SPECIFIED, ALL EXISTING HEDGES, SHRUBS AND GROUND COVERS OUTSIDE THE SCOPE OF WORK AREA AREA SHALL REMAIN AND BE PROTECTED.

IT IS REQUIRED TO HAVE A
PRE-CONSTRUCTION MEETING WITH THE
URBAN FORESTRY STAFF PRIOR TO
COMMENCEMENT OF ANY LANDSCAPE
WORK OR SITE WORK AFFECTING EXISTING
TREES. CONTACT WADE COLLUM AT
954-545-7766 or wade.collum@copbfl.com

NOTE: SEVERAL TREES SCHEDULED TO REMAIN MAY REQUIRE STRUCTURAL BRACING, CABLING AND CROWN REDUCTION TO IMPROVE STABILITY AND INTEGRITY OF THE TREE. WORK SHALL BE PERFORMED, IF NECESSARY, BY AN BOARD CERTIFIED MASTER ARBORIST.

NOTE: TREES SCHEDULED TO REMAIN WHICH EXIST ADJACENT TO INTERIOR DRIVE AISLES, SHALL BE ROOT PRUNED AS NEEDED UNDER THE SUPERVISION OF AN ISA CERTIFIED ARBORIST AND IN ACCORDANCE WITH DETAIL ON SHEET L-1,1



FDOT PERMIT NUMBER: 2022-L-491-00005

	REVISIONS:						
REV:	DATE:	COMMENT:	BY:				
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KNOW WHAT'S BELOW ALWAYS CALL 811 BEFORE YOU DIG Its fast, Its free, It's the law. www.callsunshine.com	

PROJECT No.:	F190114
DRAWN BY:	CAD
CHECKED BY:	ROT
DATE:	02/14/2020
CAD I.D.: F190114-TREE	
	ROAD - FOOL PLAN

PROJECT:

POPEYE'S CENTER
CROSS-ACCESS
ROADWAY

NW 31ST AVE LLC

3051 W. ATLANTIC BLVD. CITY OF POMPANO BEACH FLORIDA



6300 NW 31ST AVENUE FORT LAUDERDALE, FL 33309 PH: (954) 202-7000 FX: (954) 202-7070 ww.ThomasEngineeringGroup.com



TREE DISPOSITION

L-1.0

PLAN

	S MARKET - ATLANTIC BLVD A	ND NW 31ST AVE - Pompa	no Beac	h, FL						
NO.	BOTANICAL NAME	COMMON NAME	HT (ft)	SPR (ft)	DBH (ins)	CONDITION	COMMENTS	DISPOSITION	匸	VALUE
1	Veitchia merillii	Adonidia Palm	25	12	5	Good	15' gw	Relocate	\$	296.77
1A 2	Brassia actinophylla	Queensland Umbrella	25	44	_	cull	Cat I Invasive	remove	\$	
3	Veitchia merillii Veitchia merillii	Adonidia Palm double Adonidia Palm	30	14 20	9 6 @ 4"	Good Good	15' & 4' gw 6 trunks	Relocate Relocate	\$	579.35 3,633.04
i i	Veitchia merillii	Adonidia Palm	25	14	4@4"	Good	Quad	Relocate	\$	1,582.27
	Veitchia merillii	Adonidia Palm	20	12	3 @ 6"	Good	Triple	Relocate	\$	1,397.74
5	Veitchia merillii	Adonidia Palm	25	14	4 @ 4"	Good	Quad	Relocate	\$	1,582.27
4	Brassia actinophylla	Queensland Umbrella				cull	Cat I Invasive	remove	\$	
B	Brassia actinophylla Sabal palmetto	Queensland Umbrella Cabbage Palm	_			cull dead	Cat I Invasive	remove	\$	
3	Sabal palmetto	Cabbage Palm	25	10	12	Fair		REMAIN	\$	456.19
	Sabal palmetto	Cabbage Palm	25	10	12	Fair		REMAIN	\$	456.19
)	Sabal palmetto	Cabbage Palm	22	10	12	Fair		REMAIN	\$	456.19
	Swietenia mahogany	West Indies Mahogany	14	4	3	Good		REMAIN	\$	1,392.28
-	Swietenia mahogany Conocarpus e sericeus	West Indies Mahogany Silver Buttonwood	12 18	6 15	3 10	Good Good	Outside Project Scope	REMAIN REMAIN	\$	1,392.28
,	Taxodium distichium	Bald Cypress	12	6	3	Good	Outside Project Scope	REMAIN	\vdash	
	Quercus virginiana	Live Oak	28	22	12	Good	Outside Project Scope	REMAIN	_	
6	Sabal palmetto	Cabbage Palm	22	10	12	Good	Outside Project Scope	REMAIN		
7	Bucidas buceras	Black Olive	25	25	12	Good	Outside Project Scope	REMAIN		
3	Bucidas buceras	Black Olive	25	20	10	Good	Outside Project Scope	REMAIN	\vdash	
)	Sabal palmetto Sabal palmetto	Cabbage Palm Cabbage Palm	22	10 10	12 12	Good Good	Outside Project Scope Outside Project Scope	REMAIN REMAIN	\vdash	
, <u> </u>	Quercus virginiana	Live Oak	12	4	2.5	Good	Outside Project Scope	REMAIN	-	
2	Quercus virginiana	Live Oak	30	25	10	Good	Outside Project Scope	REMAIN	†	
3	Quercus virginiana	Live Oak	12	5	2.5	Good	Outside Project Scope	REMAIN		
4	Quercus virginiana	Live Oak	25	20	10	Good	Outside Project Scope	REMAIN	_	
5 6	Quercus virginiana	Live Oak Live Oak	25 20	20	12 10	Good Good	Outside Project Scope Outside Project Scope	REMAIN REMAIN	—	
,	Quercus virginiana Taxodium distichium	Bald Cypress	12	6	3	Good	Outside Project Scope	REMAIN	_	
3	Quercus virginiana	Live Oak	20	20	10	Good	Outside Project Scope	REMAIN	-	
	Taxodium distichium	Bald Cypress	15	15	2 @ 4"	Good	Outside Project Scope	REMAIN		
)	Taxodium distichium	Bald Cypress	12	4	2.5	Good	Outside Project Scope	REMAIN		
:	Quercus virginiana	Live Oak	10	4	2.5	Good	Outside Project Scope	REMAIN	ـــــ	
:	Taxodium distichium Quercus virginiana	Bald Cypress Live Oak	10 12	6	2.5 2.5	Good Good	Outside Project Scope Outside Project Scope	REMAIN REMAIN	-	
	Quercus virginiana Quercus virginiana	Live Oak	12	4	2.5	Good	Outside Project Scope	REMAIN	+	
	Taxodium distichium	Bald Cypress	10	4	2.5	Good	Outside Project Scope	REMAIN	-	
	Quercus virginiana	Live Oak	10	4	2	Good	Outside Project Scope	REMAIN		
	Swietenia mahogany	West Indies Mahogany	15	6	3	Good	Outside Project Scope	REMAIN		
<u> </u>	Swietenia mahogany	West Indies Mahogany	15	6	3	Good	Outside Project Scope	REMAIN	 	4 000 00
	Swietenia mahogany Quercus virginiana	West Indies Mahogany Live Oak	15 12	6	3 2.5	Good Good		REMAIN Relocate	\$	1,392.28 1,666.12
)	Bursera simaruba	Gumbo Limbo	10	6	2	na	destroyed by storm	Relocate	-	1,000.12
2	Quercus virginiana	Live Oak	12	4	2.5	Good		Relocate	\$	1,666.12
	Bursera simaruba	Gumbo Limbo	12	5	2.5	Good		REMAIN	\$	555.63
5	Bursera simaruba	Gumbo Limbo	12	4	2.5	Good	Outside Project Scope	REMAIN	ـــــ	
	Quercus virginiana	Live Oak	12	5 4	2.5	Good Good	Outside Project Scope	REMAIN	\$	413.35
	Taxodium distichium Quercus virginiana	Bald Cypress Live Oak	12	5	3 2.5	Good	Outside Project Scope	Relocate REMAIN	Ф	413.33
3	Quercus virginiana	Live Oak	12	5	3	Good	Cutsiae i roject deopt	Relocate	\$	1,743.67
)	Quercus virginiana	Live Oak	10	4	2	Good	Outside Project Scope	REMAIN		
0	Taxodium distichium	Bald Cypress	12	6	3	Good		Relocate	\$	413.35
1	Quercus virginiana	Live Oak	12	4	2.5	Good	0.1-11- 0-1-12	Relocate	\$	1,666.12
2 3	Bursera simaruba Bursera simaruba	Gumbo Limbo Gumbo Limbo	10	5	2.5 2.5	Good Good	Outside Project Scope Outside Project Scope	REMAIN REMAIN	-	
4	Bursera simaruba	Gumbo Limbo	10	5	2.5	Good	Outside Project Scope	REMAIN	\vdash	
5	Taxodium distichium	Bald Cypress	12	6	3	Good	Outside Project Scope	REMAIN	-	
;	Taxodium distichium	Bald Cypress	12	6	3	Good	Outside Project Scope	REMAIN		
7	Taxodium distichium	Bald Cypress	12	6	3	Good	Outside Project Scope	REMAIN		
)	Taxodium distichium	Bald Cypress	12	6	3	Good	Outside Project Scope	REMAIN	-	
)	Taxodium distichium Taxodium distichium	Bald Cypress Bald Cypress	12 12	6	3	Good Good	Outside Project Scope Outside Project Scope	REMAIN REMAIN	-	
í	Quercus virginiana	Live Oak	25	20	10	Good	Outside Project Scope	REMAIN	\vdash	
2	Lagaerstromia indica "pink"	Pink Crepe Myrtle	15	10	multi	Good	Outside Project Scope	REMAIN	\Box	
,	Lagaerstromia indica "pink"	Pink Crepe Myrtle	15	10	multi	Good	Outside Project Scope	REMAIN		
	Quercus virginiana	Live Oak	25	20	8	Good	Outside Project Scope	REMAIN	\vdash	
	Lagaerstromia indica "pink"	Pink Crepe Myrtle	10	10	multi	Good	Outside Project Scope	REMAIN	₩	
,			10	10	multi	Good	Outside Project Scope	REMAIN	_	
5 5	Lagaerstromia indica "pink"	Pink Crepe Myrtle			multi	Good	Outside Project Coons	DEMAIN		
\$ 5 7 3	Lagaerstromia indica "pink" Lagaerstromia indica "pink"	Pink Crepe Myrtle	15	15	multi multi	Good	Outside Project Scope Outside Project Scope	REMAIN REMAIN	\vdash	
,	Lagaerstromia indica "pink"				multi multi multi	Good Good Good	Outside Project Scope Outside Project Scope Outside Project Scope	REMAIN REMAIN REMAIN	<u> </u>	

PRICES FROM BETROCK'S PLANT FINDER, FEBRUARY, 2020 EDITION

Michael D Michael D Grosswirth DN: c=US, o=THOMAS ENGINEERING GROUP LLC, ou=A01410C000001720E 31831F0000EFAC, cn=Michael D Grosswirth Date: 2022.07.18 13:32:54 -04'00'

VALUE OF REMOVED TREES

6 101 04

TREE RELOCATION PROCEDURAL SPECIFICATION

Tree, Palm, Shrub and other Plant Transplanting/Relocating Detail — Recommended Notes:

The American National Standard for Tree Care Operations — Tree, Shrub, and Other Woody Plant Maintenance — Standard Practices (Transplanting) ANSI A300(Part 6)—2005 must be adhered to in its entirety for all relocating/transplanting of trees and shrubs. ANSI A300 (Part 6)—2005 includes the following:

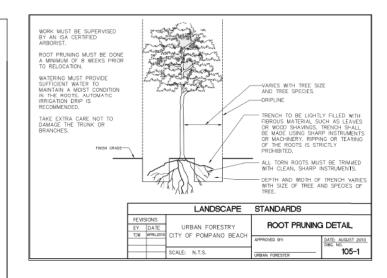
60- Transplanting Standards 61 - Normative References

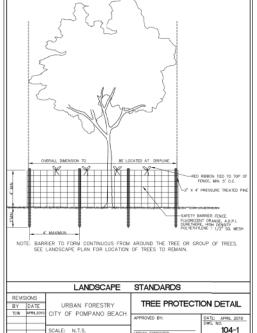
62 - Definitions

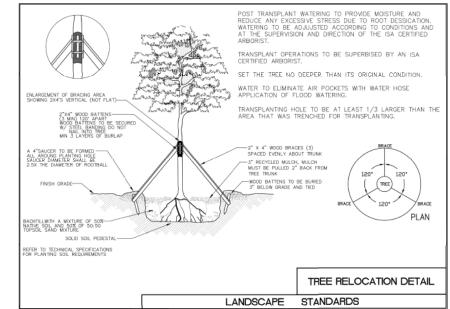
63 - Transplanting Practices

The transplanting objectives shall be established prior to beginning the operation. These objectives may be presented in a report format for permitting purposes.

A feasibility and suitability assessment shall be conducted prior to recommending transplanting. Specifications for transplanting should be based on the assessment. See the Checklist in Annex A of ANSI A300 (Part6)—2005. This assessment may be presented in a report format for permitting purposes.







GENERAL NOTES:

1. PLANT MATERIAL: All plant material shall be Florida 4 or better as established by "Grades and Standards for Nursery Plants" of the state of Florida, Department of Agriculture.

2. All trees, shrubs and groundcovers shall be of the sizes as specified in the Plant List.

3. Quantities listed on the the Plant List are for estimating purposes. Contractor shall verify all quantities. Mulch, topsoil, fertilizer, etc. shall be included in the unit cost of the plants.

4. Where there is a discrepancy either in quantities, plant names, sizes or specifications between the plan or plant list, the plan takes precedence.

5. All planting beds and water basine for trees shall be covered with a 3" minimum depth of shredded excatyptus or florimulch grade '5' or better.

6. The Planting Plan shall be installed in compliance with all existing codes and applicable deed restrictions.
7. 90D: All areas not used for buildings, vehicular use areas, walks or planting beds shall be grassed.
Grassing shall extend to any abutting street pavement edge and to the mean waterline of any abutting canal, lake or waternaty.

8. PLANTNG 50IL. All trees and shrubs shall be planted with a minimum of 12" topsoil around and beneath the rootball. Minimum topsoil shall be 6" for groundcover areas and 2" for sodded grass areas.

9. Planting soil to be a weed-free mixture of 50% sand, 40% muck, and 10% Canadian peat. All plant material to receive planting soil as per details.

© Contractor is responsible for determining all utility locations and installing facilities so as to not conflict. All damage to existing utilities or improvements caused by Contractor shall be repaired at no additional cost to the Outer.

ll. Contractor to notify "Surshine State One Call of Florida, Inc." at 1-800-432-4770 Two Full Business Days prior to digging for underground utility locations.

12. Contractor shall be responsible for providing final grading of all associated planting areas.

13. After final grade, area to be raked to 6" depth and all rock and foreign inorganic materials removed and disposed of properly off-site.

14. All planting holes to be hand dug except where machine dug holes will not adversely affect or damage utilities or improvements (see note 8).

15. No plunging of any tree or paim will be accepted. All plants to be planted at the nursery grade or slightly higher.

6. Contractor shall stake 4 guy all trees and palms at time of planting as per the appropriate detail. Contractor is responsible for the maintenance and/or repair of all staking and guying during warranty period and removal 4 disposal of staking after establishment period.

refullizer for grass areas shall be NFK 16-4-5 = 125 1061 1000 s.t. or 545 1061 acre. Nitrogen 50% siou ease form 4 fertilizer to include secondary micronutrients.

18. SUBSTITUTIONS AND CHANGES. All substitutions and changes shall be approved in writing prior to installation. Any discrepancies between plans, site and specifications shall be brought to the immediate attention of the Landscape Architect, the course and governing municipality. 19. WATERING: All plant material shall be watered in at time of planting in accordance with standard nursery practices. In addition, Contractor will continue watering of plant material until substantial completion and as needed threafter for a period of 2 norths.

20. All new plant material shall be guaranteed for 1 year from time of final acceptance of project. Any plant material not in a healthy growing condition will be replaced by the Contractor at no additional cost to the Ower within 60 days of notification. For all replacement plant material, the warranty period shall be extended an additional 45 days beyond the original warranty period. All trees that lean or are blown over, caused by which less than 15 mph will be re-lest and braced by the Contractor at no additional cast to the Owner.

21. The successful blodder shall furnish to the Owner a unit price breakdown for all materials. The Owner may, at its discretion, add or delete from the materials utilizing the unit price breakdown submitted.

22. No plant material will be accepted showing evidence of cable, chain marks, equipment scars, or otherwise damaged.

23. Plant material will not be accepted when the ball of earth surrounding its roots has been cracked, broken or otherwise damaged.

4. Root-prune all trees a minimum of (8) weeks prior to planting

25. All landscaped areas will be irrigated by an underground, automatic, rust-free irrigation system providing 180% coverage and 180% spray overlap. The system shall be maintained in good working order and dealgract on inimitize uster on impervious services and not overpray usualized. A rais name or device shall be installed to override the irrigation cycle of the system when adequate rainfall has occurred.

26. All plant material planted within the eight distance triangle areas (see plan) shall provide unobstructed cross-visibility at a horizontal level between 30 inches and 8 feet above adjacent strest grade.

21. No canopy trees shall be planted within 12 feet of a light pole. No palm species shall be planted within 6 feet of a light pole.

28. Ground cover plantings shall provide not less than $5\emptyset$ percent coverage immediately upon planting and $1\emptyset\emptyset$ percent coverage within 6 months after planting.

29. Tree protection barricades shall be provided by Landscape Contractor around existing trees that may be impacted by the proposed construction. Prior to any construction a tree protection barricade inspection shall be conducted by the landscape architect, owner or governing minicipality. Rafer to landscape detail for tree preservation barricade fencing.

30. In all pedestrian areas, all trees and paims shall be maintained to allow for clear passage at an 8 foot clear trunk.

31. All landscape material shall be setback a minimum of 10° from any Fire Hydrant.

FDOT PERMIT NUMBER: 2022-L-491-00005



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REV:	DATE:	COMMENT:	BY:
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ROJECT No.:	F190114
RAWN BY:	CAD
HECKED BY:	ROT
ATE:	02/14/2020
AD I.D.: F190114-TREE	DISPOSITION PLAN

DJECT:

POPEYE'S CENTER CROSS-ACCESS ROADWAY

NW 31ST AVE LLC

3051 W. ATLANTIC BLVD. CITY OF POMPANO BEACH FLORIDA



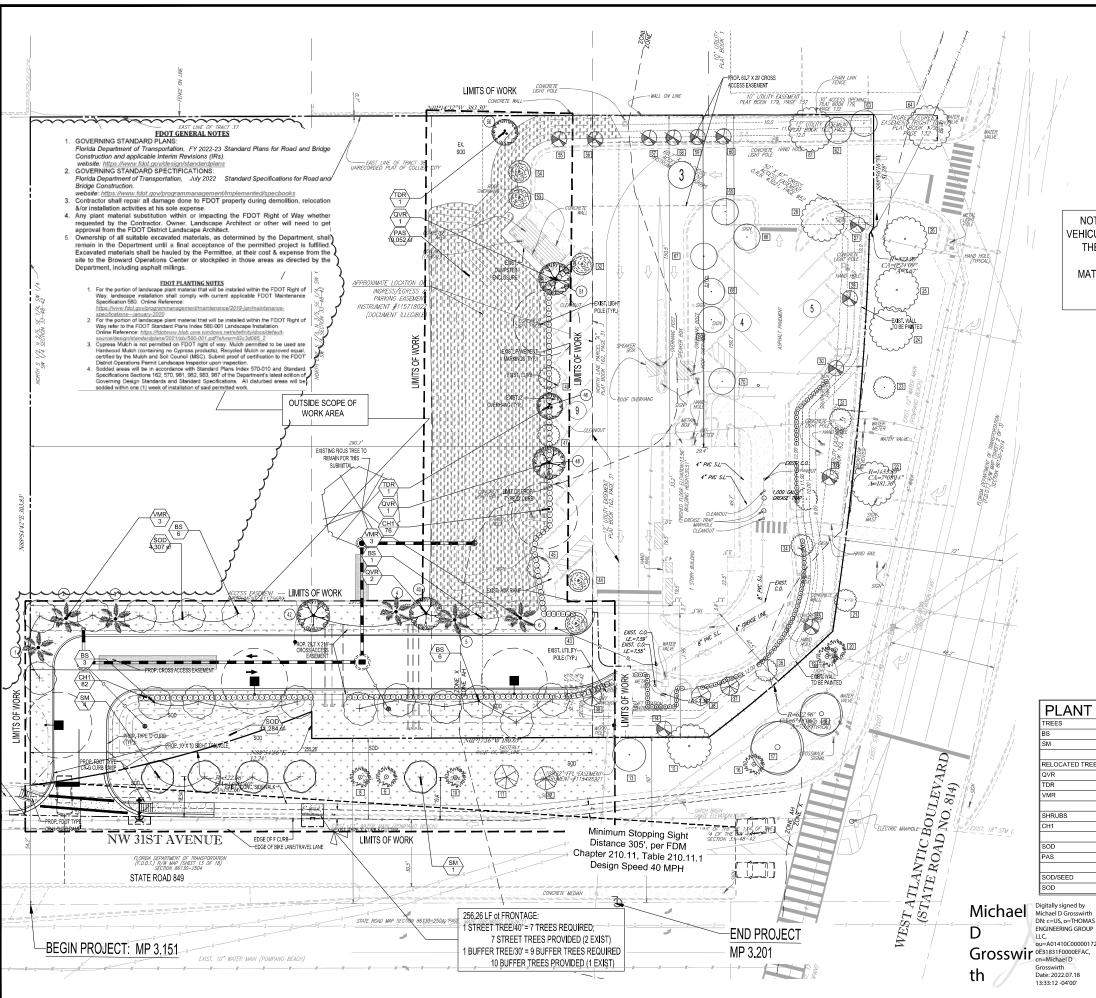
6300 NW 31ST AVENUE FORT LAUDERDALE, FL 33309 PH: (954) 202-7000 FX: (954) 202-7070



HEET TITLE:

TREE DISPOSITION CHARTS & NOTES

SHEET NUMBER:



ANY EXISTING SOD IN RIGHT-OF-WAY OR ON ADJACENT PROPERTY DAMAGED DURING CONSTRUCTION, SHALL BE REPLACED WITH SAME SOD SPECIES BY CONTRACTOR.

PLANT SPACING SHALL SUPERCEDE PLANT QUANTITY TO FILL LANDSCAPE BED.

IT IS REQUIRED TO HAVE A
PRE-CONSTRUCTION MEETING WITH THE
URBAN FORESTRY STAFF PRIOR TO
COMMENCEMENT OF ANY LANDSCAPE
WORK OR SITE WORK AFFECTING EXISTING
TREES. CONTACT WADE COLLUM AT
954-545-7766 or wade.collum@copbfl.com

NOTE: ALL EXISTING SOIL, WITHIN LANDSCAPE AREAS ADJACENT TO VEHICULAR USE AREAS IS REQUIRED TO BE REMOVED, INSPECTED AND THEN REPLACED WITH A 60/40 MIX OF SAND TO TOPSOIL. (SEE L-2.2); ALL ROAD ROCK, CONCRETE, ASPHALT, & OTHER NON-NATURAL MATERIAL WITHIN LANDSCAPE AREAS IS REQUIRED TO BE REMOVED AND BE REPLACED WITH PLANTING SOIL PRIOR TO LANDSCAPE INSTALLATION

ALL HEDGED ABUTTING CITY RIGHTS OF WAY SHALL BE MAINTAINED AT A HEIGHT NO GREATER THAT 24".

REFER TO SHEET L-2.1 FOR PLANT MATERIALS, CODE REQUIREMENT CHART, COST ESTIMATE AND PLANTING DETAILS, AND SHEET L-2.2 FOR LANDSCAPE GENERAL NOTES

PER CITY ORDINANCE SEC 50.02(A)(4) AND SEC 100.35(E),
STREET TREES SHALL NOT BE PLACED ON TOP OF OR 5'
TO EITHER SIDE OF ANY CITY OWNER UTILITY
INFRASTRUCTURE. ALSO, PLEASE NOTE THAT NO TREES,
SHRUBBERY OR OBSTRUCTION SHALL BE PLACED WITHIN
A 3' RADIUS OF A CITY OWNED LATERAL CLEANOUT OR
WATER AND/OR REUSE METER.

NOTE: ALL ABOVE GROUND MECHANICAL EQUIPMENT SUCH
AS, BUT NOT LIMITED TO, EXTERIOR UTILITY BOXES,
METERS, AND TRANSFORMERS NOT CURRENTLY KNOWN
OR DEPICTED SHALL BE VISUALLY SCREENED A MINIMUM
OF 6" ABOVE TOP OF EQUIPMENT. BACK FLOW
PREVENTERS SHALL BE PAINTED TO MATCH THE PRINCIPAL
STRUCTURE.

IRRIGATION SYSTEM TO PROVIDE 100% COVERAGE WITH 50% OVERLAP.

PLANT S	CHEC	ULE	
TREES	QTY	COMMON NAME	BOTANICAL NAME
BS	16	Gumbo Limbo	Bursera simaruba
SM	5	West Indian Mahogany	Swietenia mahagoni
		<u>'</u>	
RELOCATED TREES	QTY	COMMON NAME	BOTANICAL NAME
QVR	4	Southern Live Oak	Quercus virginiana
TDR	2	Bald Cypress	Taxodium distichum
VMR	6	Adonidia Palm	Veitchia merillii
	•	•	•
SHRUBS	QTY	COMMON NAME	BOTANICAL NAME
CH1	158	Red Tip Cocoplum	Chrysobalanus icaco 'Red Tip'
	•	•	
SOD	QTY	COMMON NAME	BOTANICAL NAME
PAS	10,052 sf	Bahia Grass	Paspalum notatum
		•	
SOD/SEED	QTY	COMMON NAME	BOTANICAL NAME
SOD	15,591 sf	Floritam St. Augustine Sod	Stenotaphrum secundatum 'Floritam'

FDOT PERMIT NUMBER: 2022-L-491-00005

ENGINEERS - PROJECT MANAGERS - LAND FLANNING - LANDSCAPE ARCHITECT (5500 NW 315T AVENUE 13509 SUITE 200 1741PK, Ft. 33509 1741PK, Ft. 3350

			\bigcup
6	77	KNOW WHAT'S BE	LOW



PROJECT No.: F190'
DRAWN BY: C
CHECKED BY: DATE:
CAD I.D. F190114-LANDSCAPE ROAD-F0

POPEYE'S CENTER CROSS-ACCESS

ROADWAY

NW 31ST AVE LLC

3051 W. ATLANTIC BLVD. CITY OF POMPANO BEACH FLORIDA





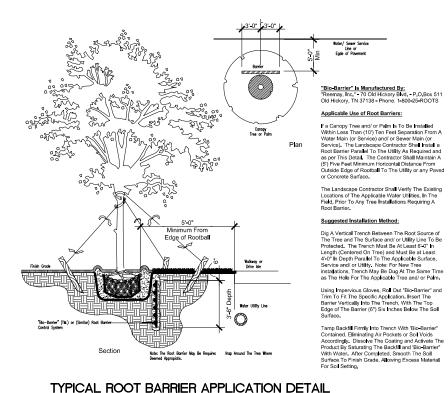
SHEET TITLE:

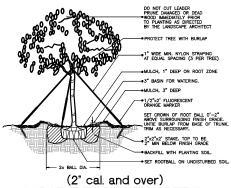
LANDSCAPE ROAD-FDOT PLAN

L-2.0

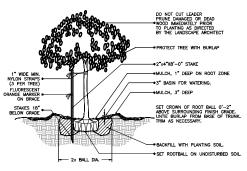
PLANT S	CHED	ULE									
TREES	QTY	COMMON NAME	BOTANICAL NAME	SPECIFICATIONS	CAL/DBH	HEIGHT	SPREAD	NATIVE	XERIC		REMARKS
BS	16	Gumbo Limbo	Bursera simaruba	B & B	3"Cal	16` Ht	5-6`	Yes	High		4` CT
SM	5	West Indian Mahogany	Swietenia mahagoni	B & B	3"Cal	16` Ht	5-6`	Yes	High		5° CT
			•	•							-
RELOCATED TREES	QTY	COMMON NAME	BOTANICAL NAME	SPECIFICATIONS	CAL/DBH	HEIGHT	SPREAD	NATIVE	XERIC		REMARKS
QVR	4	Southern Live Oak	Quercus virginiana	NA	Varies	varies	varies	Yes	Low		
TDR	2	Bald Cypress	Taxodium distichum	NA	As Noted on Sheet L-1.1	As Noted on Sheet L-1.1	As Noted on Sheet L-1.1	Yes	High		
VMR	6	Adonidia Palm	Veitchia merillii	NA	As Noted on Sheet L-1.1	As Noted on Sheet L-1.1	As Noted on Sheet L-1.1	No	Medium		
	•					•	•			•	
SHRUBS	QTY	COMMON NAME	BOTANICAL NAME	SPECIFICATIONS	SPACING	HEIGHT	SPREAD	NATIVE	XERIC		REMARKS
CH1	158	Red Tip Cocoplum	Chrysobalanus icaco 'Red Tip'	NA	30"	36"	36"	Yes	High		Full to base
			•	•		•			•		-
SOD	QTY	COMMON NAME	BOTANICAL NAME	SPECIFICATIONS	SPACING	HEIGHT	SPREAD	NATIVE	XERIC	SPACING	REMARKS
PAS	10,052 sf	Bahia Grass	Paspalum notatum	n/a				Yes	High		
SOD/SEED	QTY	COMMON NAME	BOTANICAL NAME	SPECIFICATIONS	SPACING	HEIGHT	SPREAD	NATIVE	XERIC	SPACING	REMARKS
SOD	15,591 sf	Floritam St. Augustine Sod	Stenotaphrum secundatum 'Floritam'	sod				No	Medium		

ALL AREAS LABELED AS "SOD" TO BE STENOTAPHRUM SECUNDATUM, V. 'FLORITAM' SOLID SOD, UNLESS OTHERWISE SPECIFICALLY NOTED. ALL MULCH TO BE PER SPECIFICATION FOUND ON SHEET L-2.2 UNLESS OTHERWISE SPECIFICALLY NOTED. ALL QUANTITY TAKE-OFFS BY CONTRACTOR.

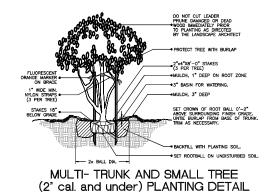


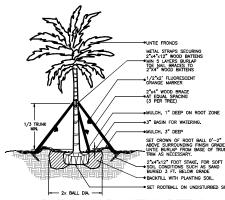


LARGE TREE PLANTING DETAIL

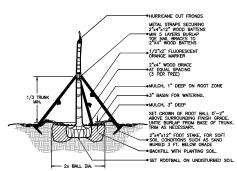


(2" cal. and under) SMALL TREE PLANTING DETAIL

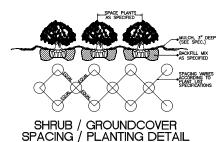




LARGE PALM PLANTING DETAIL



PALM PLANTING DETAIL



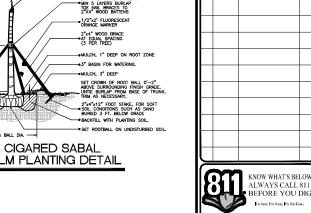
-3" BASIN FOR WATERING ◆MULCH, 3" DEEP SET CROWN OF ROOT BALL 0'-1" ABOVE SURROUNDING FINISH GRADE - PLANT MATERIAL SHALL NOT BE PRUNED PRIOR TO INSTALLATION. AFTER PLANTS HAVE BEEN INSTALLED, EACH PLANT SHALL BE PRUNED FOR UNIFORMITY. BACKFILL WITH PLANTING SOIL.

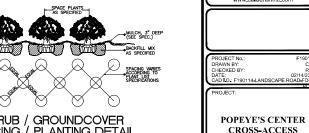
SHRUB PLANTING DETAIL



Digitally signed by Michael D Grosswirth DN: c=US, o=THOMAS ENGINEERING GROUP LLC, ou=A01410C000001720E31831F Grosswirth Date: 2022.07.18 13:33:28 -04'00'

FDOT PERMIT NUMBER: 2022-L-491-00005





NW 31ST AVE LLC

3051 W. ATLANTIC BLVD. CITY OF POMPANO BEACH FLORIDA

THOMAS 6300 NW 31ST AVENUE FORT LAUDERDALE, FL 33309 PH: (954) 202-7000 FX: (954) 202-7070

ROADWAY



LANDSCAPE ROAD-FDOT PLAN

A. SCOPE OF WORK

THE WORK CONSISTS OF FURNISHING ALL LABOR, MATERIALS, EQUIPMENT, TOOLS, TRANSPORTATION, AND
MY OTHER APPURTENANCES NECESSARY FOR THE COMPLETION OF THIS PROJECT AS SHOWN ON THE
PRAWINGS, AS INCLUDED IN THE PLANT UST, AND AS HEREN SPECIFIED.

WORK SHALL INCLUDE MAINTENANCE AND WATERING OF ALL PLANTING AREAS OF THIS CONTRACT LINTU ERTIFICATION OF ACCEPTABILITY BY THE OWNER.

B. PROTECTION OF EXISTING STRUCTURES

1. ALL EXISTING BUILDINGS, WALKS, WALLS, PAVING, PIPING, AND OTHER ITEMS OF CONSTRUCTION AND
PLANTING ALBERDY COMPLETED OR ESTABLISHED SHALL BE PROTECTED FROM DAMAGE BY THIS CONTRACTOR
UNLESS OTHERWISE SPECIFIED. ALL DAMAGE RESULTING FROM NEGLIGENCE SHALL BE REPAIRED OR REPLACED IN THE CONTRACTOR TO THE SATISFACTION OF THE OWNER

C. PROTECTION OF EXISTING PLANT MATERIALS OUTSIDE LIMIT OF WORK

IL, PROJECTION OF EASING VIRNIT MATERIAS JOUISINE, MINI ID. WORKS

T. THE CONTRACTOR SHALL BE RESPONSIBLE FOR ALL UNAUTHORIZED CUTTING OR DAMAGE TO TREES AND
SHRUBS, DISTING OR OTHERWISE, CAUSED BY CARELESS OPERATION OF EQUIPMENT, STOCKPIUNG OF
MATERIAS, ETC. THIS SHALL INCLUDE COMPACTION BY DEVINING OF PARKING INSIDE THE DRIP — LINE OR THE
SPILLING OF OIL, GASQUINE, OR OTHER DELETERIOUS MATERIALS WITHIN THE DRIP — LINE.

MEASURED AT BREAST HEIGHT OR FOUR FEET (4') ABOVE SURROUNDING GROUND

J. MALERIALS: S. JUBMITTALE: GENERAL SAMPLES OF PLANTING MATERIALS AS LISTED BELOW SHALL BE SUBMITTED FOR PPROVAL, ON THE SITE OR AS OTHERWISE DETERMINED BY THE OWNER. UPON APPROVAL OF SAMPLES, SEUVERY OF MATERIALS MAY BEGIN.

MATERIALS SAMPLE SUBMITTALS MULCH ONE (1) CUBIC FOOT

A) GENERAL: PLANT SPECIES, SIZES, & QUANTITIES SHALL, AT A MINIMUM, CONFORM TO THOSE INDICATED ON THE DRAWINGS. NOMENCLATURE SHALL CONFORM TO STANDARDZED PLANT NAMES, 1942 EDITION, ALL UNIVESRY STOCK SHALL BE IN ACCORDANCE WITH "FEADES AND STANDARDS FOR NURSERS HAUTS" PARTS HAIL BILL, LATEST EDITION PUBLISHED BY THE FLORIDA DEPARTMENT OF AGRICULTURE AND CONSUMERS SERVICES, ALL PLANTS SHALL BE FLORIDA NO. 1. AS AN ABSOLUTE MINIMUM UNILESS OTHERWISE SUPERSEDED BY A FLORIDA FANCY DESIGNATION, AS DETERMINED BY THE FLORIDA DUSSION OF PLANT INDUSTRY, ALL PLANTS SHALL BE FANCY DESIGNATION, A DETERMINED BY THE FLORIDA DIVISION OF PLANT INDUSTRY. ALL PLANTS SHALL BE FRESHY EDISION, SOUND, HEATTHY, MIRE ORGONUS, WELL — BRANCHED AND FRESE OF DISEASE AND INSECTS, INSECT CEGGS AND INSTAL AND SHAPE. ALL DIVISION OF STATEMENT THE ORGONOMY OF THE OWNER, WHERE ANY REQUIREMENTS AND SHAPE. ALL DIVISION OF THE OWNER, WHERE ANY REQUIREMENTS ARE SHALL BE PRUMED FROM THE OWNER, THEY DO NOT STEED WHEN THE OWNER. WHERE ANY VARIETY, PLANTS ARE SHALL BE PRUMED THE OWNER OF THE OWNER, WHERE ANY VARIETY, PLANTS AND SHALL BE PRUMED THE OWNER.

B) MEASUREMENTS: THE HEIGHT AND/OR WIDTH OF TREES SHALL BE MEASURED FROM THE TOP OF ROOT BALL TRIUMIK FLARE, JOHN KERIOT AND JOHN TO FIRED AND THE METAL BENEBOURDED. THE PLANTS IN THEIR KOMM.
POSITION, THIS MEASUREMENT SHALL NOT INCLUDE THE IMMEDIATE TERMINAL GROWTH, PLANTS LARG
SET THAN THOSE SPICIFIED IN THE PLANT LIST MAY BE USED IF A PROPOVED BY THE OWNER. IF THE USE OF
LARGER PLANTS IS APPROVED, THE BALL OF EARTH OR SPREAD OF ROOTS SHALL BE INCREASED IN PROPO

C) INSPECTION: PLANTS SHALL BE SUBJECT TO INSPECTION AND APPROVAL AT THE PLACE OF GROWTH, OR UPON DELIVERY TO THE SITE, AS DO FERMINED BY THE OWNER, FOR QUIALITY, SIZE, AND VARBETY, SUCH PRELIMINARY APPROVALS HALL NOT SUPERSCEE THE REGIST OF INSPECTION AND REJECTION AT THE SITE OWNER PROCRESS OF THE WORK OR AFTER COMMITTION FOR SIZE AND CONDITION OF BALLS OR ROOTS, LITERY DEFECTS OR INJURIES, PRESENCE OF RESIZES, AND OTHER CONDITIONS THAT WHAVE OCCURRED SINCE THE NURSERY INSPECTION. REJECTED PLANTS SHALL BE REMOVED IMMEDIATELY FROM THE SITE. NOTICE REQUE SUBMITTED IN WRITING BY THE CONTRACTOR AT LEAST ONE (1) WEEK PRIOR TO ANTICIPATED DATE.

D) AMENDED PLANTING SOIL: PLANTING SOIL FOR USE IN BACK FILLING PLANTING HOLES SHALL BE FORTY PERCENT (2001) TOPSOIL AND SIXTY PERCENT (600) SAND AND BE FERTILE, FRIABLE, AND OF A LOAMY CHARACTER, WITHOUT MIXTURE OF SUSSOIL MATTERIAS, AND DETAINED FROM A WELL-DAMBLED, ARABLE SITE. IT SHALL CONTAIN THREE (3) TO FIVE (5) PERCENT DECOMPOSED ORGANIC MATTER AND SHALL BE FREE FROM HEAVY CLAY, COARSE SAND, STONES, URLE, LUMEPS, PLANTS, ROOTS OR OTHER FOREIGN MATERIALS, OR NOXIDUS WEEDS, IT SHALL BUT CONTAIN TORIC SUBSTANCES WHICH MAY BE HARMFUL TO PLANT GROWTH, PH RANGE SHALL BE 5.0 TO 7.0 INCLUSIVE.

E) SAND SHALL BE CLEAN, WELL DRAINING NATIVE SAND. IF REQUESTED, CONTRACTOR SHALL AT ANY TIME AND AT NO COST TO OWNER, SUBMIT RESULTS OF SOIL TESTS FOR TOPSOIL AND SAND PROPOSED FOR USE UNDER IIS CONTRACT FOR APPROVAL BY OWNER.

E. WATER
I. WATER NECESSARY FOR PLANTING AND MAINTENANCE SHALL BE OF SATISFACTORY QUALITY TO SUSTAIN
ADEQUATE GROWTH OF PLANTS AND SHALL NOT CONTAIN HARMFUL NATURAL, OR MAN – MADE ELEMENTS
OFFIRMENTAL TO PLANTS. WATER MEETING THE ABOVE STANDARD SHALL BE OBTAINED ON THE SITE FROM
DYNNER, IF AVAILABLE, AND THE CONTRACTOR SHALL BE RESPONSIBLE TO MAKE ARRANGEMENTS FOR ITS U HIS TANKS, MOSES, SPRINKLERS, ETC. IF SUCH WATER IS NOT AVAILABLE AT THE SITE, THE CONTRACTOR SHALL PROVIDE SUCH SATISFACTORY WATER FROM SOURCES OFF THE SITE AT NO ADDITIONAL COST TO THE OWNE

F. COMMERCIAL FERTILIZER

COMMERCIAL FERTILIZER SHALL BE A COMPLETE FORMULA; IT SHALL BE UNIFORM IN COMPOSITION, DRY AND EACH BEARING THE MANUFACTURER'S GUARANTEED STATEMENT OF ANALYSIS. IFTY PERCENT (50%) OF THE NITROGEN SHALL BE DELIVERED FROM NATURAL ORGANIC SOURCES. THE OLLOWING FERTILIZERS SHALL BE USED AND APPLIED AT RATES AS SUGGESTED BY MANUFACTURER'S

SHRUBS AND TREES – MILORGANITE, OR APPROVED EQUAL

OUNDCOVERS - OSMOCOTE/SIERRA BLEND 14 - 14 - 14 3. SOD - 8 - 8 - 8

8 – 8 – 8 ION TO SURFACE APPLIED FERTILIZERS, ALL CONTAINER GROWN AND FIELD GROWN PLANT MATERIAL SHALL RECEIVE "AGRIFORM" PLANTING TABLETS 24 – 10 – 5 FORMULA, 21 GRAM OR EQUAL. THESE TABLETS SHALL BE PLACED AT THE RATE AND DEPTH SPECIFIED BY MANUFACTURER.

G. MULCH

1. MULCH SHALL BE FROM SHREDDED WOOD DERIVED FROM MELALEUCA OR OTHER INVASIVE TREE SPECIES AND
SECRET CORRECT FT. AND RENDER THEM BARREN.

CH MATERIAL SHALL BE MOISTENED AT THE TIME OF APPLICATION TO PREVENT WIND DISPLACEMENT PPLIED AT A DEPTH OF THREE INCHES (3"). MULCH IS TO BE KEPT 2-3" FROM THE STEM OF ALL DICKVERS & 3-6" FROM THE TRUNK OF ALL TREFS & PALMS.

3. MULCH SHALL BE GRADE 'B' SHREDDED, AND SHALL BE APPLIED EVENLY AND SMOOTH TO PLANTED AREAS.

4. NO RED OR COLORED MULCH SHALL BE ACCEPTED UNLESS SPECIFIED ACCORDINGLY. NO CYPRESS MULCH OR PINE BARK SHALL BE USED.

H. DIGGING AND HANDLING

1. PROTECT ROOT SYSTEMS OR ROOT BALLS OF PLANTS AT ALL TIMES FROM SUN AND DRYING WINDS, WATER

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1. PROTECT ROOT SYSTEMS OR ROOT BALLS OF PLANTS AND DRYING WINDS EROSION, AND OTHER HARMFUL CHEETING AS NECESSARY UNTIL PLANTING. PLANT MATERIALS SHALL BE CROSSION, AND OTHER HARMFUL CHEETING AS NECESSARY UNTIL PLANTING. PLANT MATERIALS SHALL BE ADEQUATELY PACKED TO PREVENT BREAKING AND DIVING OUT DURING LOAD IN, TRANSIT, AND UNLICADING/PLANTING. TREST SHAPSOPRIED MORE THAN TEN (10) MILE OR WHICH ARE NOT PLANTED WITH THREE (3) DAYS OF DELIVERY TO SITE SHALL BE SPRAYED UNTIL AN ANTITRANSPIRANT PRODUCT ("WILTPRUP" OF CEULALY) TO MININGE TRANSPIRATIONAL WATER LOSS.

2. BALLED AND BURLAPPED PLANTS (B&B) SHALL BE DUG WITH FIRM, NATURAL BALLS OF SOIL SUFFICIENT SIZE TO ENCOMPASS THE FIBROUS AND FEEDING ROOTS OF THE PLANTS, AND IN ACCORDANCE WITH "GRADES AND STANDARDS FOR NURSERY PLANTS FORDRA DUBLICATION. NO PLANT WITH A ROOTBALL SHALL BE PLANTED IF THE BALL IS CRACKED OR BROKEN. PLANTS BALLED AND BURLAPPED OR CONTAINER GROWN SHALL NOT BE

3. PLANTS MARKED "BR" IN THE PLANT LIST SHALL BE DUG WITH BARE ROOTS. THE ROOTS SHALL NOT BE CUT WITHIN THE MINIMUM SPREAD SPECIFIED IN THE PLANT LIST. CARE SHALL BE EXERCISED THAT THE ROOTS DO NOT DRY OUT IN MOVING AND PROOF TO PLANTING.

4. PROTECTION OF PALMS (IF APPLICABLE): ONLY A MINIMUM OF FRONDS SHALL BE REMOVED FROM THE CROWN OF THE PALM TREES TO FACILITATE MOVING AND HANDLING. CLEAR TRUNK (CT) SHALL BE AS BY

GRADES AND STANDARDS FOR NURSERY PLANTS" FLORIDA PUBLICATION. PRUNING PRACTICED OTHER THAN SOBULES AND STRUMENTS OF ROMES, PERMITS FLORIDAR POBLICATION. TWO AND THAT RECEIVED THE MINIMAL PRUMINGS OF FROMES, PRIMARY TO REACH C. LUKEWISK, SECRICATION, MAY CONSTITUTE REJECTION, OF ALL PALMS SUBJECTED TO SUCH PRACTICE, LUKEWISK, EXCESSIVE PRUMING ON "SHAVING" OR ROOT BALLS TO MEET "CLEAR TRUNK". CATERIAM MAY CONSTITUTE REJECTION ONSITE. ALL PALMS SHALL BE BRACED PER PALM PLANTING DETAIL ON THE PLANTING DETAILS SHEET.

S. EXCAVATION OF PLANTING HOLES SHALL BE DONE USING EXTREME CARE TO AVOID DAMAGE TO SURFACE AND SUBSURFACE ELEMENTS SUCH AS UTILITIES OR HARDSCAPE ELEMENTS, FOOTERS, AND PREPARED SUB-BASES.

L. CONTAINER GROWN STOCK

* ALL CONTAINER GROWN MATERIAL SHALL BE HEALTHY, VIGOROUS, WELL – ROOTED PLANTS AND ESTABLISHED

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***TOTAL CONTAINER GROWN MATERIAL SHALL BE ALL CON ARE IN A HEALTHY GROWING CONDITION, AND SHALL MEET MINIMUM SPECIFICATIONS IN THE PLANT LIST

2. AN ESTABLISHED CONTAINER GROWN PLANT SHALL BE TRANSPLANTED INTO A CONTAINER AND GROWN IN THAT CONTAINER SUFFICIENTLY LONG FOR THE NEW FIRROUS ROOTS TO HAVE DEVELOPED SO THAT THE ROOT MASS WILL RETAIN ITS SHAPE AND HOLD TOGETHER WHER REMOVED FROM THE CONTAINER. CONTAINER GOWN STOCK SHALL NOT BE HANDLED BY THEIR STEMS.

3. PLANT ROOTS BOUND IN CONTAINERS OR WITH CIRCLING ROOTS SHALL NOT BE ACCEPTABLE

4. SUBSTITUTION OF NON-CONTAINER GROWN MATERIAL FOR MATERIAL EPPLICITLY SPECIFIED TO BE CONTAINER GROWN WILL NEED AUTHORIZATION FROM THE OWNER. LIKENING, SUBSTITUTION OF CONTAINER GROWN MILL NEED AUTHORIZATION FROM THE OWNER AND LO OF RECORD PRIOR TO THE ORDERING OF ANY MATERIALS.

<u>I. COLLECTED STOCK</u>

1. WHEN THE USE OF COLLECTED STOCK IS PERMITTED AS INDICATED ON THE PLANT LIST SCHEDULE, THE MINIMUM SIZES OF ROOT BALLS SHALL BE FOUAL TO THAT SPECIFIED FOR THE NEXT LARGER SIZE OF NURSERY GROWN STOCK OF THE SAME VARIETY

D FROM WILD OR NATIVE STAND SHALL BE CONSIDERED GROWN WHEN THEY HAVE BEEN PRACTICES FOR A MINIMUM OF TWO (2) GROWING SEASONS AND HAVE ATTAINED ADEQUATE ROOT AND TOP GROWTH TO INDICATE FULL RECOVERY FROM TRANSPLANTING INTO THE NURSERY ROW.

SARY TO COMPLETE THE WORK ON THE DRAWINGS SHALL BE FURNISHED, QUANTITY ESTIMATES HAVE BEEN MADE CAREFULLY, BUT THE LANDSCAPE ARCHITECT OR OWNER ASSUMES NO LIABILITY FOR OMISSIONS OR ERRORS. SHOULD A DISCREPANCY OCCUR BETWEEN A BIDDER'S TAKE OFF AND THE PLANT FUN WINDSDUTION OF EDITIONS. SHOULD A DISCREPANCY OCCUR BETWEEN A BIDDER'S TAKE OFF AND THE PLANT LEST QUANTITY. THE AUMOSCAPE AGUITECT SHALL BE NOTHERE OFF CLASHIFACTION PRIOR TO THE SUBMISSION OF BIDS. DRAWING SHALL TAKE PRECEDENCE. ALL DIMENSIONS AND/OR SIZES SPECIFIED SHALL BE THE MINIMUM ACCEPTABLE SIZE. WHERE NO GALLON SIZE IS SPECIFIED ON CONTAINERIZED SHRUBS OR GROUNDCOVERS, THE HEIGHT S. PREMS SPECIFICATIONS SHALL PREVAIL.

UNDER THIS CONTRACT SHALL CONSIST OF FINAL FINISHED GRADING OF LAWN AND PLANTIN AREAS THAT HAVE BEEN ROUGH GRADED BY OTHERS. BERMING AS SHOWN ON THE DRAWINGS SHALL BE THE RESPONSIBILITY OF THE LANDSCAPE CONTRACTOR, UNLESS OTHERWISE NOTED.

2. THE CONTRACTOR SHALL FINE GRADE THE LAWN AND PLANTING AREAS TO BRING THE ROLIGH GRADE LIP TO FINE GRADE BY HAND AND/OR WITH ALL EQUIPMENT NECESSARY INCLUDING A GRADING TRACTOR WITH FRONT END LOADER FOR TRANSPORTING SOIL WITHIN THE SITE.

M. PLANTING PROCEDURS:

1. CLEANING UP BEFORE COMMENCING WORK: THE CONTRACTOR SHALL CLEAN UP WORK AND SURROUNDING AREAS OF ALL RUBBISH OR DISECTIONABLE MATTER, ALL MORTRA, CEMBRIT, AND TOXIC MATERIAL SHALL BE COMPLETELY REMOVED FROM THE SITE. THESE MATERIALS SHALL NOT BE MIXED WITH THE SOLL SHOULD THE COMPLETE OF THE SHALL SHALL SHALL WITH SHALL ONSTRUCTION MANAGER OR DESIGNEE

2. DURING LAND ALTERATION AND CONSTRUCTION ACTIVITIES, IT SHALL BE PROHIBITED TO REMOVE VEGETATION BY GRUBBING OR TO PLACE SOIL DEPOSITS, DEBRIS, SOLVENTS, CONSTRUCTION MATERIAL, MACHINERY OR OTHER COUPMENT OF ANY KIND WITHIN THE DRIPLINE OF A TREE TO REMAIN ON THE SITE FUNESS OTHERWISE APPOVED BY THE JURISDICTIONAL MUNICIPALITY

3. VERIFY LOCATIONS OF ALL UTILITIES. CONDUITS, SUPPLY LINES AND CABLES, INCLUDING BUT NOT LIMITED TO ELECTRIC, GAS (LINES AND TANKS), WATER, SANITARY SEWER, STORM WATER LINES, CABLE AND TELEPHON

4. SUBGRADE EXCAVATION: CONTRACTOR IS RESPONSIBLE TO REMOVE ALL EXISTING AND IMPORTED LIMEROCK AND LIMEROCK SUB-BASE FROM ALL LANDSCAPE PLANTING AREAS TO MINIMUM DEPTH OF APPROXIMATELY 20% GREATER THAN THE RECOMMENDED PLANTING SOIL DEPTH — UNLESS OTHERWISE SPECIFIED BY JUNESDICATIONAL CODE. CONTRACTOR IS RESPONSIBLE TO BACKFILL THESE PLANTING AREAS TO ROUGH FINISHED GRADE WITH CLEAN TOPSOIL FROM AN ONSITE SOURCE OR AN IMPORTED SOURCE. IF LIMEROCK CONDITIONS OCCUR IN PLANTED AREAS AFTER 36" DEEP EXCAVATION BY THE CONTRACTOR, AND POSITIVE DRAINAGE CAN NOT BE ACHIEVED, CONTRACTOR SHALL UTILIZE PLANTING DETAIL THAT ADDRESSES POOR DRAINAGE OR ON TOTAL TO WARPE'S CONTRACTOR SHALL UTILIZE PLANTING DETAIL THAT ADDRESSES POOR DRAINAGE OR OR STORMET FOR RESOULTION.

ACTOR IS TO ENSURE THAT ALL COMPACTED SOIL. ROAD ROCK, & EXCESS DEBRIS SHALL BE REMOVED & A 24" LAYER OF NON-LIMEROCK PLANTING SOIL FAVORABLE TO SHRUB GROWTH & SUSTAINABILITY EXISTS OVER ALL PLANTING AREAS. TREE PITS SHALL BE EXCAVATED & BACKFILLED WITH PLANTING SOIL TO A MINIMUM

RECOMMENDED PLANTING SOIL DEPTH IS GENERALLY AS FOLLOWS:
 ALL TREES AND TALL SHRUBS (INDICATED AS 'SHRUBS' & 'SHRUBS AREAS' ON THE PLANT SCHEDULE) SHALL BE

ALL TREES AND TALL SHRUUS (INDICATED AS 'SHRUBS' & "SHRUBS AREAG' ON THE PLANT SCHEDULE) SHALL BE PLANTED WITH A MINIMUM OF 27 TOPOSIL AROUND AND BENEATH THE GOTTSALL, INMIMUM TOPOSIL SHALL BE 6" FOR LOW SHRUBS/GROUNDCOVER AREAS AND 2" FOR SODDED GRASS AREAS.
THE MINIMUM TOPOSIL DEPTH AS REIN ADDITION TO A MINIMUM MOHALMERICK SOIL DEPTH OF 10"-18", CONSISTING OF EXISTING UNDISTURBED OR NATIVE SOIL THAT WAS STORED/STOCKPILED ON SITE AND REUSED, OR CLEAN IMPORTED PAITHING SOIL WITH A RANGE OF ORGANIC MATTER BETWEEN 3-5% CONTAINING NO STOKES GREATER THAN AN INCH AND A HALL FOR IMPORTED THE UNSEASON. COIL/EXISTING NATIVE SOIL MINIMUM DEPTHS ARE IN ADDITION TO ANY LIMESTONE/LIMEROCK SUBGRADE. & IN

SOLICISTSTING NATIVE SOIL MINIMUM DEPTHS ARE IN ADDITION TO ANY LIMESTONE/JUMEBOCK SUBGRADE, & IN ADDITION TO SECVALATION MISTONE/JUMEBOCK SUBGRADE, & IN ADDITION TO SECVALATION MISTONE/JUMEBOCK SUBGRADE PITALS SUBMINIMUM THE PENATING DEFINED SUBJECT SUB

DETERMINE THE EXTENT OF EXCAVATION REQUIRED & TO DETERMINE THE AMOUNT OF PLANTING BY TO ENSURE LONG-TERM SUSTAINABILITY & SURVIVAL OF THE PLANT MATERIALS IN

6. FURNISH NURSERY'S CERTIFICATE OF COMPLIANCE WITH ALL REQUIREMENTS AS HEREIN SPECIFIED AND REQUIRED. INSPECT AND SELECT PLANT MATERIALS BEFORE PLANTS ARE DUG AT NURSERY OR GROWING STIE.
7. GRERBALC ORDITY WITH FEDERAL STATE, COUNTY AND IDCAC REQUIRED USED ON THE TRADE, LANDSCAPE
MATERIALS AND WORK. CONFORM TO ACCEPTED HORTICULTURAL PRACTICES AS USED IN THE TRADE, PLANTS
SHALL BE PROTECTED UPON ARRIVAL AT THE SET BY BEING THOROUGH!! Y WATERED AND PROPERLY
MAINTAINED UNIT ELANTED, PLANTS SHALL NOT REMAIN UNPROTECTED FOR A PERIOD EXCEDING TWENTY-FOUR (24) HOURS. AT ALL TIMES WORKMANUKE METHODS CUSTOMARY IN GOOD HORTICULTURAL PRACTICES
SHALL BE EXERCISED.

8. THE WORK SHALL BE COORDINATED WITH OTHER TRADES TO PREVENT CONFLICTS, COORDINATE THE PLANTING WITH THE IRRIGATION WORK TO ASSURE AVAILABILITY OF WATER AND PROPER LOCATION OF IRRIGATION ITEMS AND PLANTS.

9. ALL PLANTING HOLES SHALL BE EXCAVATED TO SIZE AND DEPTH IN ACCORDANCE WITH THE USA STANDARD TO JURSERY STOCK 280.1. UNLESS SHOWN OTHERWISE ON THE DRAWINGS, AND BACK PLANTING SOIL AS SPECIFIED HEREIN BEFORE (SEE MATERIALS, SECTION D). TEST ALL TREE PITS WITH WATER BEFORE PLANTING TO ASSURE PROPER DRAINAGE PERCOLATION IS AVAILABLE. NO ALLOWANCE WILL BE MADE

FOR LOST PLANTS DUE TO IMPROPER DRAINAGE. IF POOR DRAINAGE EXISTS, UTILIZE PLANTING DETAIL THE ADDRESSES THIS CONDITION. POOR DRAINAGE CONDITIONS TYPICALLY HAVE A PERCUADATION DATE OF 4" OR LESS PER HOUR, AS DETERMINED BY THE GOTTO-INICAL ENGINEER. TREES SHALE BE SET PLANT AND HELD IN POSITION UNTIL THE PLANTING MIXTURE HAS BEEN TRUSHED INTO PLAKE WITH A SLOW, PLUL HOSE STREAM, ALL PLANTING SHALL BE FEROMMED BY PERSONNEE FAMILIAR WITH PLANTING PROCEDURE AND UNDER THE SUPERVISION OF A QUALIFIED PLANTING FORMAN, PROPER "JETTING "SHALL BE ASSURED TO BLIMMATE AIR POCKETS AROUND THE ROOTS, "JET STICK" OR EQUAL RECOMMENDED

10. TAKE ALL NECESSARY PRECAUTIONS TO AVOID DAMAGE TO BUILDINGS, CURBS, PAVING, AND OTHER HARDSCAPE MATERIALS WHILE INSTALLING TREES.

11. SOIL MIXTURE SHALL BE AS SPECIFIED IN SECTION D (MATERIALS) OF THESE SPECIFICATIONS. IN ADDITION. PLANTING HOLE SHALL RECEIVE 21-GRAM "AGRIFORM" PLANTING TABLETS PER MANUFACTURER'S

SPECIFICATIONS OR AS FOLLOWS: - TWO (2) TABLETS PER 1 GAL. PLANT

-TWO (2) TABLETS PER HALF INCH (1/2") OF TRUNK CALIPER

22. THES AND SPRUDS SHALL BE SET STRAIGHT AND AT SUCH A LEVEL THAT AFTER SETTLEMENT, THE TOP OF T NOOT SYSTEM (FOR SHRUBS AND GROUNDCOVER) OR TRUNK FLARE (TREES AND PALMS) WILL STAND ONE (1) T TWO (2) INCHES ABOVE FINAL GRADE. EACH PLANT SHALL BE SET IN THE CENTER OF THE PLANTING HOLE. PLANTING SOIL MIXTURE SHALL BE BACKFILLED AND THOROUGHLY TAMPED AROUND THE BALL AND SHALL BE

13. FILL HOLE WITH SOIL MIXTURE, MAKING CERTAIN ALL SOIL IS SATURATED. TO DO THIS, FILL HOLE WITH WATER AND ALLOW TO SOAK MINIMUM TWENTY 20) MINUTES, TURNING SOIL IF INCRESSARY TO GET SOIL THOROUGHLY WET, PACK LIGHTLY WITH FEET OR OTHER TAMPING DEVICE. ADD MORE WET SOIL MIXTURE, DU NOT COVER TOP OF BALL WITH SOIL MIXTURE, DUIL WITH MULCH. ALL BURLAP, ROPE, WIRES, ETC., SHALL BE

15. SHRUBS AND GROUNDCOVER PLANTS SHALL BE EVENLY SPACED IN ACCORDANCE WITH THE DRAWINGS AND AND DISPOSE OF ALL DEBRIS, TILL A" OF PLANTING SOIL MIX INTO THE NEWLY TILLED PLANTING BED FOR GENERAL NUTRIENT DISBURSEMENT. MASS PLANTINGS BED IS NOW READY TO RECEIVE HOLES FOR NEW PLANTS. THOROUGHLY WATER ALL PLANTS AFTER INSTALLATION.

16. TREE GUYING AND BRACING SHALL BE INSTALLED BY THE LANDSCAPE CONTRACTOR IN ACCORDANCE WITH NTAIN TREES IN AN UPRIGHT POSITION. TREES SHALL USE ARBORTIE AS PER DETAIL SHEET. PALMS SHALL USE WOOD BRACING PER DETAIL SHEET.

CHING: PROVIDE A THREE INCH (3") MINIMUM LAYER OF SPECIFIED MULCH OVER THE ENTIRE AREA OF IRUB BED, GROUINDCOVER AND VINE BED AND TREE PIT [FOR TREES AND PALMS, MIN. THREE INCH (3") DEG OF TRUNKS). — UNLESS OTHERWISE REQUIRED BY LICCAL COEDS AND SPECIFIED AS SUCH.

MIC HERBICIDE WEED CONTROL: ALL PLANT BEDS SHALL BE KEPT FREE OF NOXIOUS WEEDS UNTIL FINAL ACCEPTANCE OF WORK. IF DIRECTED BY THE OWNER OR THEIR DESIGNE, A SYSTEMIC HERBICIDE SHALL BE APPLIED FOR WEED CONTROL BY QUALIFIED PERSONNEL TO ALL PLANTING AREAS IN SPOT APPLICATIONS PER MANUFACTURES PRECAUTIONS AND SPECIFICATIONS. AFTER MULCH HAS BEEN APPLIED TO PLANTING BEDS AND TREE RINGS, TREAT ALL MULCHED AREAS WITH AN APPROVED PRE-EMERGENT HERBICIDE AT AN

O. LAWN SODDING

31.EU THE WORK CONSISTS OF LAWN BED REPARATION, SOIL PREPARATION, AND SODDING:

LITEWOOK COCCORDANCE WITH SECURITION SOIL PREPARATION, AND SODDING:

COMPASS LAWN ACCEPTABLE TO THE WORK AND SOCIETATION BORNICES.

2. LAWN BED PREPARATION: ALL AREAS THAT ARE TO BE SODDED SHALL BE CLEARED OF ANY ROUGH GRASS, WEEDS, AND OTHER DEBRIS, AND THE SOIL BROUGHT TO AN EVEN PREPARED GRADE TO ALLOW FOR SOIL

3. SOIL PREPARATION: PREPARE LOOSE BED FOUR INCHES (4") DEEP, APPLY FERTILIZER AT A RATE OF TWENTY (20) 3. JULI PREPARATION: PREPARATION: PREPARE LOOS BELD FUUR INCHES PUPILATION SHAPE. PREPARE JEBURGHM, FULLERING COMMERCIAL POUNDOS PER ONE THOUSAND LOOD SQUARE FEET, POPULATION SHAPE BE UNFORM, FULLERING COMMERCIAL BROADCAST SPREADERS, NM FERTILIZER THOROUGHI WITH THE SOIL TO A DEPTH OF THESE INCHES (37). HAND RASE UNITAL BLUMPS AND DEPTHS SOINS ARE REMOVED. WITH THE PAPER DERE THOUGHIST TO PREPARE FOR RASE UNITAL BLUMPS AND DEPTHS SOINS ARE REMOVED. WITH THE PAPER DERE THOUGHIST TO PREPARE FOR

A SODDING: THE CONTRACTOR SHALL SOD ALL THE PERVIOUS AREAS THAT ARE NOT DAVED OR DI ANTED A DESIGNATED ON THE DRAWNING WITHIN THE CONTINUE DISTURBED BY CONSTRUCTION & NOT SHOWN TO HAVE SHRUBS OR GROUNDCOVER ON THE LANDSCAPE PLAN SHALL BE SODDED BY CONTRACTOR. ALL SOD OF SITE OR IN THE RIGHT-OF-WAY (DEDICATED OR OTHERWISE) SHALL BE BAHIA 'ARGENTINE' SOLID SOD UNLESS

A) THE SOD SHALL BE CERTIFIED TO MEET FLORIDA STATE BOARD SPECIFICATIONS. ARSOLUTELY TRUE TO VARIETY TYPE, AND FREE FROM WEEDS, FUNGUS, INSECTS, AND DISEASE OF ANYKIND, SOD PANELS SHALL BE LAIR TIGHTLY TOGETHER TO MAKE A SOLID, SODDED LAWN AREA. B) SOD SHALL BE LAID IN ROWS WITH EVERY OTHER ROW STAGGERED HALFWAY BETWEEN THE NEXT TO NO CONTINUOUS STACKED JOINTS. SOL SOINTS OF SOD TO INSURE A TIGHT FIT AT JOINTS, WITH GAPS NI GREATER THAN "BETWEEN SOD PANELS.

C) SOD SHALL BE LAID UNIFORMLY AGAINST THE EDGES OF ALL CURBS AND OTHER HARDSCAPE ELEMENTS, PAVED AND PLANTED AREAS. ADJACENT TO BUILDINGS, A FOUR INCH (4)" MULTOT STIP SHALL BE PROVIDED. IMMEDIATELY POLLOWING SOD LAVING, THE LAWN AREAS SHALL BE POLLED WITH A LAWN ROLLER CUSTOMARILY USED FOR SUCH PURPOSES, AND THEN THOROUGHLY IRRIGATED TO THOROUGHLY MOISTEN TO SOIL BENEATH. I. IN THE OPINION OF THE OWNER, TOP-DRESSING IS NECESSAY AFTER ROLLING TO FILL THE VOLISE RETWEEN THE SOOP ACREAS AND TO EVEN OUT INCONSISTENCIES IN THE SOO, CLEAN SAMO TS APPROVED. Y THE LANDSCAPE ARCHITECT OR OWNER SHALL BE UNIFORMLY SPREAD OVER THE ENTIRE SURFACE OF THE SOD AND THOROUGHLY WATERED IN.

5. DURING DELIVERY, PRIOR TO ADD DURING THE PLANTING OF THE LAWN AREAS, THE SOD PANELS SHALL TIMES BE PROTECTED FROM EXCESSIVE DRYING AND UNNECESSARY EXPOSURE OF THE ROOTS TO THE SUI SOD SHALL BE INSTALLED DURING THE DAY OF ITS ARRIVAL

INTERNALS JUNTE FULLY ESTABLISHED OR UNTIL AUTOMATIC RIRICATION SYSTEM IS FULLY OFFERATIONAL AND PROGRAMMED ACCORDINGLY. COORDINATE WATERING SCHEDULE WITH NATURAL RAINFALL RAINFALL EVENTI IN DURATION OF TWENTY (20) MINUTES OR MORE THAN PRODUCE MORE THAN A HALF INCH (1/27) OF PRECIPITATION WILL NEGATE THE NEED FOR WATERING SHAFE FOLLOWING DAY IF PREVIOUSLY SCHEDULED. AN WATERING SHALE OF SUFFICIENT QUARTITY TO WE'T OR RESTORE WATER TO A DEPTH OF FORM INCHES (57).

P. CLEANUP

1. UPON COMPLETION OF ALL PLANTING WORK AND BEFORE FINAL ACCEPTANCE, THE CONTRACTOR SHAL

REMOVE ALL MATERIAL, EQUIPMENT, AND DEBRIS RESULTING FROM HIS WORK. ALL PAYED AREAS SHALL

BROOM CLEANED AND THE SITE LEFT IN A NEAT AND ACCEPTABLE CONDITION AS APPROVED BY THE OWN

AUTHORIZED REPRESENTATIVE.

Q. PLANT MATERIAL MAINTENANCE

, PLANT MATERIAL MAINTENANCE. ALL PLANTS AND PLANTINES MATERIALS INCLUDED UNDER THIS CONTRACT SHALL BE MAINTAINED BY VATERING, CULTIVATING, SPRAYING, AND ALL OTHER OFFERATIONS (SUCH AS RE-STAKING OR REPAIRING UPPORTS) NECESSARY TO INSURE A HEALTHY CONDITION BY THE CONTRACTOR UNTIL CERTIFICATION OF CCEPT/ABILLTY BY THE OWNER OR OWNER'S DESIGNEE, MAINTENANCE AFTER THE CERTIFICATION OF AN BILITY SHALL BE IN ACCORDANCE WITH THE SPECIFICATIONS IN THIS SECTION. CONTRACTORS REQUESTED TO PROVIDE A BID ESTIMATE TO COVER LANDSCAPE AND IRRIGATION MAINTENANCE FOR A PERIOD OF NINETY (90) CALENDAR DAYS COMMENCING AFTER ACCEPTANCE (SEE NEXT SECTION).

R. MAINTENANCE (ALTERNATIVE BID ITEM)

CONTRACTORS ARE REQUESTED TO PROVIDE A BID ESTIMATE FOR LANDSCAPE AND IRRIGATION MAINTENANCE FOLLOWING THE INITIAL 90-DAY MAINTENANCE PERIOD ON A COST PER MONTH BASIS.

S. GUARANTEE

3. THE LIFE AND SATISFACTORY CONDITION OF ALL PLANT MATERIAL INSTALLED BY THE CONTRAC
GUARANTEED BY THE CONTRACTOR FOR A MINIMUM OF ONE (1) CALENDAR YEAR COMMENCING
OF CERTIFICATION OF ACCEPTABILITY BY THE OWNER OR OWNER'S DESIGNEE. THE LANDSCAPE CO
RESPONSIBLE FOR CARE & MAINTENANCE OF THE PLANT MATERIAL UNTIL THE END OF ESTABLISH RESPUNSIBLE FOR CARE & MAINTERNANCE OF THE PLANT MATERIAL UNTIL THE END UP ESTABLISHMENT OF BUD DAYS AFTER FIRMLA LANDSCAPE CERTIFICATION BY THE AUMSCAPE ARCHITECT, WHICHEVER IS A LATER, & SHALL COORDINATE WITH THE IRRIGATION CONTRACTOR AS NECEDED TO ENSURE ADEQUATE WATER IS SUPPLIED TO THE PLANT MATERIALS DURINGE STABLISHMENT. AT THE ROTO OF THE STRABLISHMENT PERIOD, THE LANDSCAP CONTRACTOR SHALL ENSURE THAT THE IRRIGATION TIMECLOCKS ADJUSTED TO A NORMAL WATERING CYCLE PER THE RIBIGATION WATERING SCHOOLUSE SHOWN ON THE RIBIGATION PLANS.

2. THE LIFE AND SATISFACTORY CONDITION OF ALL SOD INSTALLED BY THE CONTRACTOR SHALL BE GUARANTEED BY THE CONTRACTOR FOR A MINIMUM OF NINETY (90) CALENDAR DAYS, COMMENCING AT THE TIME OF CERTIFICATION OF ACCEPTABILITY BY THE OWNERS OR OWNER'S DESIGNEE.

3. REPLACEMENT: ANY PLANT NOT IN A HEALTHY, THRIVING GROWING CONDITION SHALL BE REMOVED FROM THE SITE AND REPLACED AS SOON AS WEATHER CONDITIONS PERMIT. SHOULD THE OWNER ELECT, TREES A PALMS MAY BE GIVEN A PERIOD OF NINETY (90) DAYS BEFORE REMOVAL TO ALLOW THE CONTRACTOR TO PALMS MAY BE GIVEN A PERIOD OF NINETY 190 DAYS BEFORE REMOVAL TO ALLOW THE CONTRACTOR TO RESURRECT THE TREE OR PALM IN QUESTION AND BRING IT TO A THRIVING, HEALTHY CONDITION. ALL REPLACEMENTS SHALL BE PLANTS OF LIKE KIND, CONDITION AND SZE AS SPECIFIED IN THE PLANT LIST. THEY SHALL BE FLINISHED, PLANTED, AND MULCHED AS SPECIFIED WITHIN THESE SPECIFICATIONS, AT NO ADDITIONAL COST TO THE OWNER. ANY REPAIRS FROM THIS REPLACEMENT MATERIAL SHALL BE SOLILY THE CONTRACTOR'S REPLACEMENT ACCEPTANCE BY THE OWNER. SHOULD REPLACEMENT MATERIAL SHALL BE GUARANTEED TO A ONE (1) YEAR PERIOD FROM THE DAY OF REPLACEMENT ACCEPTANCE BY THE OWNER. SHOULD REPLACEMENT MATERIAL FAIL WITHIN THE GUARANTEE. PERIOD, OWNER MAY OPT FOR A CREDIT OF THE MONETARY AMOUNT FOR THE REPLACEMENT MATERIALS AT A RATE OF THE ORIGINAL CONTRACT BID RATE, IN LIEU OF AN ADDITIONAL REPLACEMENT.

A IN THE EVENT THE OWNED ELECTS NOT TO CONTRACT WITH THE CONTRACTOR FOR LANDSCARE (AN 4. IN THE EVENT THE OWNER ELECTS NOT TO CONTRACT WITH THE CONTRACTOR FOR LANDSCAPE (AND IRRIGATION) MAINTENANCE, THE CONTRACTOR FOR LANDSCAPE (AND IRRIGATION) MAINTENANCE, THE CONTRACTOR STORT HE PROFICE STEP FERDIONCALLY DURING THE OWNER OF WRITENANCE PROCEDURES BEING PERFORMED BY THE OWNER OF WRITENANCE PROCEDURES OR CONDITIONS WHICH THEATEN VIGOROUS AND HEALTHY PLANT GROWTH OF ITEMS UNDER REPLACEMENT WARRANTY, IT IS SUGGESTED SUCH SITE VISITS SHALL BE CONDUCTED A MINIMUM OF ONCE PER MONTH FOR A PERSON OF TRUEW (2.2) MOINTH SOM THE DATE OF ACCEPTANCE.

T. FINAL INSPECTION AND ACCEPTANCE OF WORK

1. FINAL INSPECTION BY OWNER OR THEIR DESIGNEE AT THE END OF THE GUARANTEE PERIOD SHALL INCLUDE 1. PIAAL INSPECTION BY OWNER OR THAT THE OWNER OF THE OWNER OWNER OF THE OWNER O

U. GRADING AND DRAINAGE NOTES

1. PRIOR TO COMMERCING ANY EXCAVATION WORK, THE CONTRACTOR SHALL NOTIFY ALL UTILITY COMPANIES
IN ACCORDANCE WITH THE "DIS SAFE" NOTIFICATION PROCEDURES PROMOTED BY THE RESPECTIVE UTILITY
COMPANIES IN FLORIDA, CALL FLORIDA SUNSHINE AT 811.

2. CONTRACTOR SHALL BLEND NEW EARTHWORK SMOOTHLY INTO EXISTING, PROVIDING VERTICAL CURVES OR ROUNDINGS AT ALL TOP AND BOTTOM OF SLOPES.

4. WHERE NEW PAVING OR EARTHWORK MEETS EXISTING PAVING OR EARTHWORK, SMOOTHLY BLEND LINE AND GRADE OF EXISTING WITH NEW, WHERE EXISTING VEGETATION IS TO REMAIN, MEET EXISTING GRADES; DO NOT FILL ABOVE BASAL FLARE OF EXISTING TREES.

V. UTILITY PLAN NOTES 1. CONTRACTOR SHALL INSTALL SCHEDULE 80 PVC CONDUIT (SLEEVES) FOR ALL IRRIGATION PIPING UNDER ALL

PAVEMENT AREAS TO CONNECT ALL LANDSCAPE AREAS

W. SITE PREPARATION

1. PRIOR TO CONSTRUCTION, THE CONTRACTOR SHALL MEET THE OWNER AND IDENTIFY TREES AND SHRUBS WHICH ARE TO BE PROTECTED AS WELL AS THOSE WHICH ARE TO BE REMOVED. DO NO CLEARING WITHOUT A CLEAR UNDERSTANDING OF EXISTING CONDITIONS TO BE PRESERVED. 2. TREES AND SHRUBS TO REMAIN SHALL BE PROTECTED BY THE INSTALLATION OF FENCING AT THE DRIP LINE OR

AS DIRECTED BY THE OWNER (SEE LANDSCAPE DETAIL SHEET). PROTECTIVE FENCING SHALL BE INSTALLED PRIOR TO CONSTRUCTION, PROTECTIVE FENCING SHALL BE SUFFICIENT TO PREVENT CONSTRUCTION EQUIPMENT FROM COMPACTING SOLIT AT THE ROOT ZONE AND DAMAGING TRUNKS AND BRANCHES. 3 IF IN ORDER TO PERFORM EXCAVATION WORK IT SHOULD RECOME NECESSARY TO CUT ROOTS OF PLANTS TO

BE SAVED, SUCH ROOTS SHALL BE CUT NEATLY WITH A SMOOTH CLEAN CUT BY A SHARP SAW, COVE BURLAP, AND KEPT MOIST UNTIL ROOTS ARE BACK FILLED. TEARS OR JAGGED CUTS TO ROOTS ARE

4. TREE AND SHRUB REMOVAL SHALL INCLUDE THE FILLING, CUTTING, GRUBBING OUT OF ENTIRE ROOT SYSTEMS AND SATISFACTORY OFF-SITE DISPOSAL OF ALL TREES, SHRUBS, STUMPS, VEGETATIVE AND EXTRANEOUS DEBRIS PRODUCED BY THE REMOVAL OPERATIONS. 5. CONTRACTOR IS RESPONSIBLE FOR ANY DAMAGE INSIDE AND OUTSIDE THE LIMITS OF CONSTRUCTION DUE TO

6. ALL REFUSE, DEBRIS, UNSUITABLE MATERIALS AND MISCELLANEOUS MATERIALS TO BE REMOVED SHALL BE

7. ALL INVASIVE EXOTIC VEGETATION SHALL BE DISPOSED OF OR TREATED AS PER THE LOCAL OR REGIONAL

CONTROL SYSTEM, AS MANUFACTURED BY BBA FIBERWEB/REEMAY, INC. AND DISTRIBUTED BY HORT ENTERPRISES, INC. SEE WWW.BIOBARRIER.COM FOR ADDITIONAL INFORMATION AND PRODUCT SPECIFICATION.

2. PRODUCT SHAIL BE A BIOLOGICAL BARRIER UTILIZING LIME-RELEASE CAPSULES INTEGRATED INTO A GEOTEXTILE FABRIC. ACTIVE HERBICIDE SHAIL BE A TRIFLURALIN, AND MINIMUM TIME RELEASE OF FFECTIVI PRODUCT SHALL BE 1-5 YEARS IN THE MOST ADVERSE CONDITIONS FOR SUCH A PRODUCT ALTEMNATIVELY, A RIGID PHYSICAL ROOT BARRIER SUCH AS 'DEEP ROOT' HARD PLASTIC AT LEAST 24" IN DEPTH SHAIL BE USED.

3. PRODUCT SHALL BE INSTALLED PER MANUFACTURER'S SPECIFICATIONS AND INSTRUCTIONS FOR ROOT CONTROL SYSTEMS

4. USE PRODUCT WHERE TREES ARE WITHIN TEN FEET (10') OR LESS OF HARDSCAPE SUBFACES OR UTILITIES INCLUDING BUT NOT LIMITED TO CURBS, SIDEWALKS, STEPS, RODOWAYS, WATER & SEWER LINES, SMALL THAT TYPICALLY MATURE AT 18" HEIGHT OR LESS REQUIRE ROOT BARRIERS WHERE SMALL TREES ARE WITH-FEET (6') OR LESS OF HARDSCAPE SUBFACES OR UTILITIES. EXISTING TREES TO BE PRESERVED (THAT ARE NO. AITHIN TEN FEET (10°) OF ANY NEW UTILITIES) DO NOT REQUIRE ROOT BARRIERS, ROOT BARRIERS ARE NOT REQUIRED WHERE PROPOSED TREES ARE LOCATED ADJACENT TO D-TYPE CURBING.

6. WHERE CONDITIONS REQUIRE PRODUCT AS SET FORTH IN NO. 4 ABOVE, USE PRODUCT IN EITHER DIRECTION 6. WHERE CONDITIONS REQUITE PRODUCT AS SET FORTH IN NO. 4. ABOVE, USE PRODUCT IN EITHER DIRECTION FROM THE CENTER OF THE TRUNK ALONG LILARE REFURES SOLVI AS CURREN, WALKWAYS, FCT. THE INTENT OF THIS SPECIFICATION IS TO PROVIDE A ROOT CONTROL SYSTEM WHERE ROOTS WOULD LIKELY CAUSE PRYSICAL DAMAGE TO ADJACENT HARDSCASE SURFACES, FOUNDATIONS, ITUITIES, OF OFTHE ELEMENTS THAT MAY RECEIVE DAMAGE FROM ROOT SYSTEMS OF THESE REFER TO NO. 5 ABOVE FOR THE REQUIRED DEPTH OF THE ROOT BARRIERS. THE USE OF ROOT BARRIERS SHALL BE MINIMUM AF OVERFALL LENGTH FROM THE CENTER OF THI TRUNK PARALLEL TO LINKAR FEATURES TO BE PROTECTED FOR SMALL THEES, OR MINIMUM BY OVERFALL LENGTH. FROM THE CENTER OF THE TRUNK FOR MEDIUM TO LARGE MATURING SHADE TREES, MINIMUM LENGTHS O FROOID RINE OF THE POT HE FLOW FOR THE RECEIPT OF THE PROPERTY OF THE PROPERTY

CONTRACTOR TO PROVIDE AN IRRIGATION DESIGN FOR BOTH LAWN AND BED AREAS UNLESS ALREADY PROVIDED BY THE LANDSCAPE ARCHITECT AS PART OF THE CONTRACT DOCUMENTS. DESIGN TO BE SUBMITTED

TO PROJECT LANDSCAPE ARCHITECT FOR REVIEW AND APPROVAL. CONTRACTOR TO VERIFY STATIC PRESSURE TO PROJECT L'ANDISCHE RACHTILLET FOR ROYNEM AND APPROVAC. CONTRACTOR TO VERIFY STATUTESSOBRE PROINT O DESIGN. CONTRACTOR RESPONSIBLE FOR ANY PRESSURE REDUING DEVEKES REQUIRED TO MEET PRESSURE REQUIREMENTS, SYSTEM DESIGN TO SHOW ALL VALVES, PRIPAGE, HEADS, BACKFLOW PREVENTION, METERS, AND CONTROLLERS. ALL SECRETS IN PREVENTION AREAS MANUEL SE ROYNE, THE CONTRACTOR SHALL BE RESPONSIBLE FOR BACKFLOW PREVENTION DEVICE HIS PRICE. AND AND PROMITTING CONTRACTOR SHALL BOT INSTALL RINGGITON IN BIGHT-OF-WAY UNLESS REQUIRED OF UTT. RETAINED IN BIRGHTON TO SE INSTALLED PRIPAGE TO BE BUILDED USE REMARKH SOIL SURFACE AND COVERED, INSTALLED BY AN OWNER, AND WISDOOMS, KEATIM PRIPAGE TO BE BUILDED USE BENEATH SOIL SURFACE AND COVERED, INSTALLED BY AN OWNER APPROVED.

2. DESIGNED SYSTEM SHALL CONSIST OF AN AUTOMATIC, UNDERGROUND IRRIGATION SYSTEM PROVIDING 100% CONTRACTOR, THIS SYSTEM SHALL BE INSTALLED AND OPERATIONAL WITHIN TEN (10) DAYS OF THE INITIAL

SITE MOTES

1. CONTRACTOR SHALL VERIFY ALL EXISTING CONDITIONS IN THE FIELD AND REPORT ANY DISCREPANCIES IN THE STEE SURVEY OR DISPOSITION PLANT TO THE COWNER & LANDSCAPE ARCHITECT OF RECORD PHICH TO STARTING WORK, ANY OVERHEAD POWERLINES, UNDERSEROUND UTILITIES, EXISTING TIRES, ETC. IN COMPLICT WITH PROPOSED LONDSCAPING, INCLUDING PER IGHT-THEE-RIGHT-PLACE QUIDILINES, SHALL BE REPORTED IMMEDIATELY TO THE COWNER'S REPRESENTATIVE OR DESIGNEE, AND TO THE LANDSCAPE ARCHITECT OF RECORD PRIOR TO SUBJECT PLANT TAKEFALL INSTALLATION, FAULURE TO NOTIFY IL ALMOSCAPE ARCHITECT OF WORKER OF ANY DISCREPANCIES SHALL BET HEF FULL RESPONSIBILITY OF THE CONTRACTOR AND WILL RESULT IN THE CONTRACTOR ON THE PLANT MATERIAL AT THERE OWN EXPENSE, LARGE MATURING SHOOL TREES THOSE THAT TOYPICALLY SHOWN ON PREAD OR RESULT OF ANY OTHER LANGE MATURING SHADE TREES UNLESS OTHERWISE SPECIFICALLY SHOWN ON THE LANDSCAPE PLAN. CONTRACTOR SHALL NOT WILLFULLY INSTALL PLANT MATERIALS IN CONFLICT WITH PASTALLED PLANT MATERIALS.

GENERAL PLANTING NOTES

PLY ALL PLANT MATERIALS IN QUANTITIES SUFFICIENT TO COMPLETE THE

E. INE CUIT INSECTION STANLES SOPPEY ALL PLANT INNERMALS IN QUANTITIES SUPPLICED TO COMPETE IT IN QUANTING SCHOOL NOT THIS DRAWING.

2. ALL BIODECHADABLE BUILDAY SHALL BE UNTIED AND PULLED DOWN TO EXPOSE THE TOP 1/3 OF THE BALL.

WHE BRASETS AND OTHER NON-BIODECHADABLE MATERIALS ATTACHED TO PLANTS SHALL BE REMOVED PRIOR TO PLANTING. CARE SHALL BE TAKEN NOT TO BREAK OR DISTURB ROOT BALL OF PLANTS.

3. ALL PLANTS SHALL BE VATERED BY HAMON IN SUPPLICATE QUANTITIES TO THOROUGHLY WET ENTIRE ROOT EM IMMEDIATELY AFTER PLANTING.

SYSTEM IMMEDIATELY AFTER PLANTING.
4. PLANTS SHALL BE GUARANTEED TO A PERIOD OF ONE (1) YEAR AFTER ACCEPTANCE OF THE PROJECT AND SHALL BE VIGOROUS AND THRIVING AT THE END OF THE GUARANTEE PERIOD. SEE SECTIONS S, GUARANTEE F WORE DETAILS. 5. CONTRACTOR SHALL LOCATE AND VERIFY ALL EXISTING UTILITY LINES PRIOR TO PLANTING AND SHALL REPORT.

SIVY CONFEICTS TO THE OWNER. S. CONTRACTOR SHALL FAMILIARIZE HIM/HER -SELF WITH THE LIMITS OF WORK AND EXISTING CONDITIONS AND

COURT OUT OF THE VEHICLE OF THE VEHI NOTICE TO PROCEED OF ANY DISCREPANCIES.

NOTICE TO PROCEED OF ANY DISCREPANCIES.

E. CONTRACTOR SHALL NOTIFY ALL RESESSARY UTILITY COMPANIES FORTY-EIGHT (48) HOURS MINIMUM PRIOR TO DIGGING FOR VERIFICATION OF ALL UNDERGROUND UTILITIES AND OTHER OBSTRUCTIONS AND COORDINATE WITH OWNER'S DESIGNEER WARRING PRIOR TO INTIMITING OFFEATIONS.

9. CONTRACTOR SHALL TAG AND NUMBER ALL FLANT MATERIAL TO BE RELOCATED. THE CONTRACTOR SHALL FULL SASIST AND COORDINATE THE WORK WITH THE WOWEN'S DESIGNEE PRIOR TO INITIATING FIELD DIGGING TO THE CONTRACTOR SHALL TAG AND NUMBER ALL FLANT MATERIAL TO BE RELOCATED. THE CONTRACTOR SHALL PLAY SASIST AND COORDINATE THIS WORK WITH THE WOWENE'S DESIGNEE PRIOR TO INITIATING FIELD DIGGING TO THE CONTRACTOR SHALL TAG AND NUMBER ALL PLAY THE WORKE'S DESIGNEE PRIOR TO INITIATING FIELD DIGGING TO THE PRIOR THE WORK THE PRIOR THE WORK THE PRIOR THE WORK THE PRIOR THE WORK THE WOR

THE TREES.

TO LOCATIONS OF RELOCATED PLANT MATERIAL ARE APPROXIMATED ON THE DRAWINGS, EXACT LOCATIONS OF RELOCATED PLANT MATERIAL WILL BE CLARIFIED BY THE OWNER'S DESIGNEE ON STE.

IT. HE CONTRACTOR SHALL BEAR ALCOSTS OF TESTINGS OSILS, AMENDMENTS, ETC. ASSOCIATED WITH THE WORK AND INCLUDED IN THE SPECIFICATIONS.

IT. THE CONTRACTURE AND REPORT OF THE SPECIFICATIONS.

IZ. I TPICALLY, STRUB AND GROUNDLOVER PLANTINGS ARE SHOWN IN MASS PLANTING BEDS. PLANTS SHA PLACED ON A LINEAR SPACING CONFIGURATION AROUND BUILDING FOUNDATION AS SHOWN ON DRAWIN PLANT CENTER TO CENTER DIMENSIONS (O.C.) ARE LISTED ON THE PLANT LIST. FOR PERIMETER AND PARKING SUMO JEAN OF SERVICE TRAINING DUBLING STATE OF THE LOCATIONS OF ALL PLANT MATERIAL PRIOR TO INITIATING INSTILLATION FOR THE REVIEW AND APPROVALO FTHE SWOMEN DESIGNEE.

14. CONTRACTOR SHALL FIELD ADJUST LOCATION OF PLANT MATERIAL AS NECESSARY TO AVOID DAMAGE TO ALL

XISTING UNDERGROUND UTILITIES AND/OR EXISTING ABOVE GROUND ELEMENTS. ALL CHANGES REQUIRE! HALL BE COMPLETED AT THE CONTRACTOR'S EXPENSE AND SHALL BE COORDINATED WITH THE OWNER'S

DESIGNEE. 15. ALL PLANTING AREAS, UNLESS OTHERWISE NOTED, SHALL INCLUDE A THREE INCH (3") LAYER OF MULCH AS PER THE SPECIFICATIONS. 16. ALL TREES PLANTED IN LAWN AREAS SHALL RECEIVE A THREE-FOOT DIAMETER (3') MULCH RING AT DEPTH OF

ING TREES TO REMAIN IN LAWN AREA SHALL RECEIVE A MULCH RING TWO FEET (2') OUT FROM EDGE OF TRUNK OR TO THE LIMIT OF THE ADJACENT LAWN AREA AT A DEPTH OF THREE INCHES (3") AS PER NIONS.
UBSTITUTIONS IN SIZE AND/OR PLANT MATERIAL MUST BE APPROVED BY THE OWNER'S DESIGNEE IN .
ALL PLANTS WILL BE SUBJECT TO APPROVAL BY THE OWNER'S DESIGNEE BEFORE PLANTING CAN BEGIN LIST QUANTITIES ARE PROVIDED FOR CONVENIENCE ONLY. IN THE EVENT OF QUANTITY ON THE MEMORY SHALL TAKE PRECEDENCE. ANY DESCREAMICES SHALL BE BROUGHT TO THE

NTTENTION OF THE LANDSCAPE ARCHITECT. 10. CONTRACTOR SHALL REFER TO THE LANDSCAPE PLANTING DETAILS, PLANT LIST, GENERAL NOTES AND THE

22. THIS SITE MAY CONTAIN EXISTING TREES WHICH REQUIRE TRIMMING AND/OR PRUNING. THE LANDSCAPE STRACTOR MUST HAVE A CERTIFIED ARBORIST ON STAFF TO ENSURE PROPER ISA HORTICULTURAL PROCEDURES ARE FOLLOWED REGARDING THE TRIMMING, PRUNING, TRANSPLANTING, ETC. OF THESE TREES

GENERAL EXISTING TREE & TREE RELOCATION NOTES:

 NO PLANT MATERIAL WILL BE ACCEPTED SHOWING EVIDENCE OF CABLE, CHAIN MARKS, EQUIPMENT SCARS, OR OTHERWISE DAMAGED.

A LIL ROOT-PRIMING & CANOPY TRIMMING ACTIVITIES SHALL BE CONDUCTED UNDER THE SUPERVISION OF AN SACKETHED RADROST UTILIZING REST.

A CRETHED RADROST UTILIZING REST. MANAGEMENT DRAFTINGS FOR CHAIN BY A REST.

BY THE REST. THE PROPERTY OF THE PROPER REE CANOPY SHALL BE TRIMMED BY MORE THAN 25%. REE CANOPY SHALL BE TRIMMED BY MORE THAN 25%. I. ROOT-PRUNE ALL TREES FOR THE MINIMUM TIME SPECIFIED PRIOR TO TRANSPLANTING OPERATIONS. PALMS

3. ROOT-PRUME ALL TRES FOR THE MINIMUM TIME SPECIFED PRIOR TO TRANSPLANTING OPERATIONS, PALMS DO NOT REQUIRE ANY ROOT PRUMING S SHALL BE TRANSPLANTED INFORMING THE ASSOCIATION, TRANSPLANTING OF THE ASSOCIATION, TRANSPLANTING OF TRESS. TRANSPLANTING OBJECTIVES SAY WELL AS A LOG WITH DATES OF ALL ROOT PRUMINGS & TRANSPLANTATION RELATED ACTIVITIES MUST BE RECORDED IN A REPORT FORMAT SE DILEMENTED TO THE APPROPRIATE OWNERS SEGIME. THE CONTRACTOR SHALL AT ANY TIME & AT NO COST TO THE CONTRACTOR SHALL AT ANY TIME & AT NO COST TO THE CONTRACTOR SHALL AT ANY TIME & AT NO COST TO THE CONTRACT OF THE SPECIFIED TO BE RELOCATED UNDER THIS CONTRACT.

5. LIQUIDATED DAMAGES MAY BE ASSESSED TO THE CONTRACTOR FOR TREES SPECIFIED TO BE RELOCATED THAT DIE & AS ARSULT OF IMPROPER TRANSPLANTING PROPEDURES.

6. CONTRACTOR SHALL BE RESPONSIBLE FOR MAINTAINING HEALTH OF THE RELOCATED TREES AND SHALL REINSTALLTHEN IN THE SAME CONDITION AS WHEN REMOVED.

7. CONTRACTOR SHALL BE GRESPONSIBLE FOR MAINTAINING HEALTH OF THE RELOCATED TREES. FINAL TRANSPLANTING PROPER REMOVED.

RANSPLANTATION LOCATION SHALL BE ROUGH GRADED & IRRIGATION SYSTEM INSTALLED & FULLY FUNCTIONAL O AS TO PROVIDE ADEQUATE WATER & ENSURE VIABILITY. SUPPLEMENTAL IRRIGATION MAY BE NECESSARY DURING TRANSPLANTATION OR STORAGE. S. SUPPLEMENTAL IRRIGATION (F NECESSARY), SHALL BE APPLIED SO THAT THERE IS A TOTAL OF 3 GALLONS/PER SAV/PER CALIPER INCH OF SUBJICT TEET OR BE TRANSPLANTED. A. ANY NECESSARY TREE TRIMMING SHALL BE IN ACCORDANCE WITH THE JURISDICTIONAL PRUNING STANDARDS

RIOR TO ANY CONSTRUCTION WORK TAKING PLACE. PRIOR TO ANY CONSTRUCTION WORK TAKING PLACE.

10. TRES A PRIOR TO ANY CONSTRUCTION WORK TAKING PLACE

CLEARING PERMIT OR ANY DEMOUTION OR CONSTRUCTION WORK TAKING PLACE OR STE. TRANSPLANTATION

SHALL OCCUR PRIOL OWNING DEMOUTION, ROUGH (BRADING, & INSTALLATION OF FUNCTIONAL), RRIGHATION

SYSTEM, BUT PRIOR TO ANY IMPERVIOUS SURFACES ARE POURED. TREES TO BE RELOCATED SHALL BE MOVED

FROM DRIGHAN LOCATION TO PRIOR PLANTING LOCATION ONE TIME ONLY.



Digitally signed by Michael D ou=A01410C000001720F31831F Date: 2022.07.18 13:33:48 -04'00' REVISIONS

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POPEVE'S CENTER CROSS-ACCESS ROADWAY

NW 31ST AVE LLC

3051 W. ATLANTIC BLVD. CITY OF POMPANO BEACH FLORIDA

ARE D. GROSSWIRT - * -

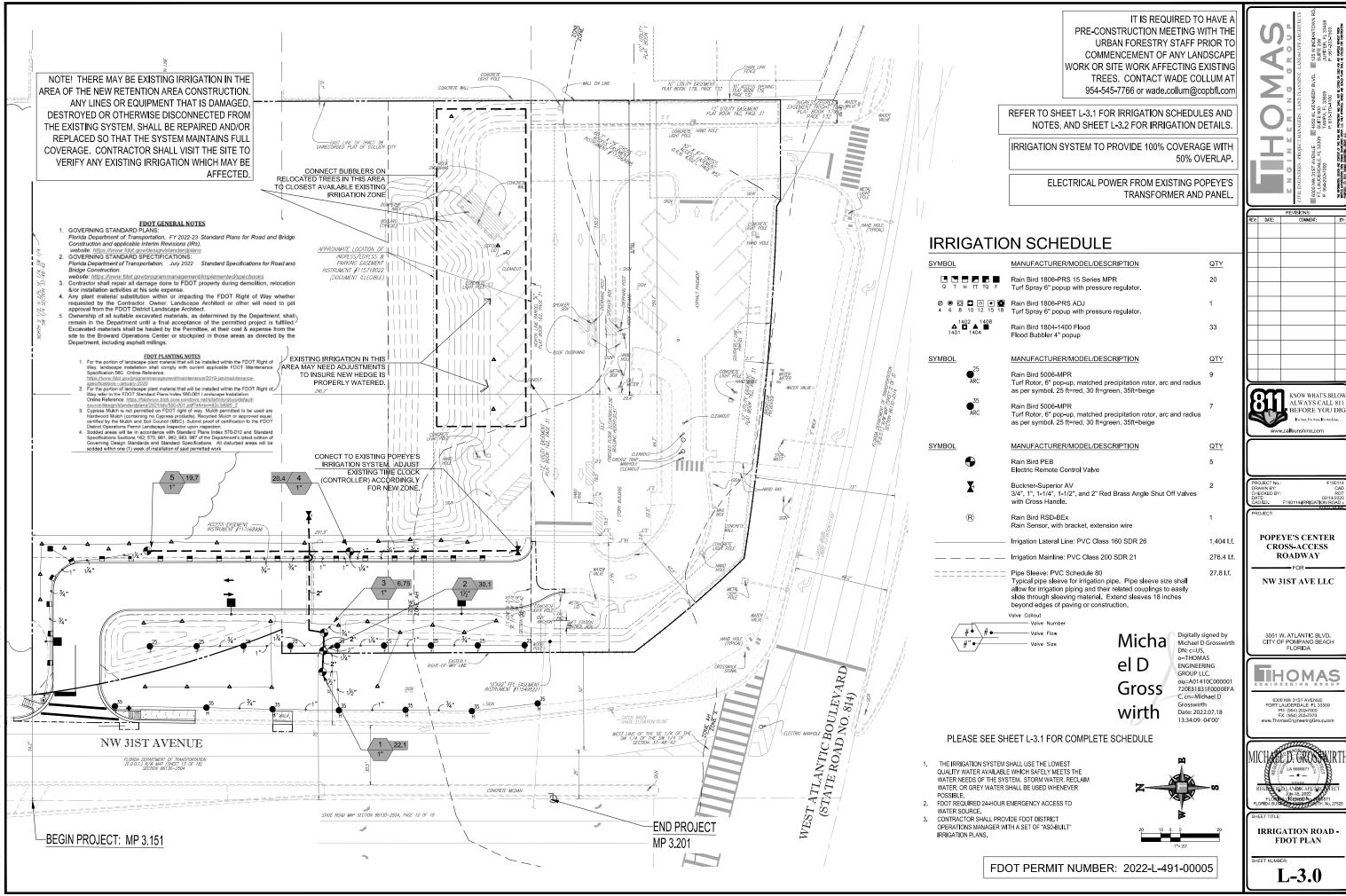
LANDSCAPE ROAD-FDOT PLAN

FDOT PERMIT NUMBER: 2022-L-491-00005

HIHOMAS

6300 NW 31ST AVENUE FORT LAUDERDALE, FL 33309 PH: (954) 202-7000 FX: (954) 202-7070

THE SEAL APPEARING ON THIS DOCUMENT WAS AUTHORIZED BY MICHAEL D, GROSSWIRTH, LA6666871 ON 2022-07-1



IRRIGATION SCHEDULE

SYMBOL	MANUFACTURER/MODEL/DESCRIPTION	QTY	PSI		
Q T H TT TQ F	Rain Bird 1806-PRS 15 Series MPR Turf Spray 6" popup with pressure regulator.	20	30		
@ @ 🔀 🖸 O 🗨 👩 4 6 8 10 12 15 18	Rain Bird 1806-PRS ADJ Turf Spray 6" popup with pressure regulator.	1	30		
1402 1408 1401 1404	Rain Bird 1804-1400 Flood Flood Bubbler 4" popup	33	40		
SYMBOL	MANUFACTURER/MODEL/DESCRIPTION	QTY	<u>PSI</u>	<u>GPM</u>	RADIUS
ARC	Rain Bird 5006-MPR Turf Rotor, 6" pop-up, matched precipitation rotor, arc and radius as per symbol. 25 ft=red, 30 ft=green, 35ft=beige	9	35		24'
arc	Rain Bird 5006-MPR Turf Rotor, 6* pop-up, matched precipitation rotor, arc and radius as per symbol. 25 ft=red, 30 ft=green, 35ft=beige	7	35		34'
SYMBOL	MANUFACTURER/MODEL/DESCRIPTION	QTY			
•	Rain Bird PEB Electric Remote Control Valve	5			
X	Buckner-Superior AV 3/4", 1", 1-1/4", 1-1/2", and 2" Red Brass Angle Shut Off Valves with Cross Handle.	2			
R	Rain Bird RSD-BEx Rain Sensor, with bracket, extension wire	1			
	rrigation Lateral Line: PVC Class 160 SDR 26	1,404 j. f.			
	Irrigation Mainline: PVC Class 200 SDR 21	276.4 I. f.			
======	Pipe Sleeve: PVC Schedule 80 Typical pipe sleeve for irrigation pipe. Pipe sleeve size shall allow for irrigation piping and their related couplings to easily slide through sleeving material. Extend sleeves 18 inches beyond edges of paving or construction. Valve Colloud.	27.8 l .f.			
#•#•	Valve Callout Valve Number Valve Flow				

VALVE SCHEDULE

NUMBER 1 2 3 4 5	MODEL Rain Bird PEB	SIZE 1" 1-1/2" 1" 1"	TYPE Turf Rotor Turf Rotor Bubbler Turf Spray Turf Spray	GPM 22.13 30.06 6.75 20.35 19.65	HEADS 7 9 27 11	PIPE 246.7 199.6 645.5 153.7 158.7	WIRE 37.9 27.1 17.8 78.7 141.0	DESIGN PSI 35 35 40 30 30	FRICTION LOSS 1.72 1.23 0.67 1.15	PSI 40.19 39.83 42.40 34.15 34.03	PSI @ POC 51.33 51.80 52.51 45.19 45.16	PRECIP 0.53 in/h 0.56 in/h 7.66 in/h 0.78 in/h
5	Rain Bird PEB Common Wire	1"	Turf Spray	19.65	10	158.7	141.0 202.7	30	1.17	34.03	45.16	0.78 in/h

WATERING SCHEDULE

NUMBER	MODEL	TYPE	PRECIP	IN./WEEK	MIN./WEEK	GAL./WEEK	GAL./DAY
1	Rain Bird PEB	Turf Rotor	0.53 in/h	1	115	2.545	ONLIDA
2	Rain Bird PEB	Turf Rotor	0.56 in/h	1	108	3.246	
3	Rain Bird PEB	Bubbler	7.66 in/h	1	8	54	
4	Rain Bird PEB	Turf Spray	0.78 in/h	1	77	1,567	
5	Rain Bird PEB	Turf Spray	0.78 in/h	1	77	1,513	
		TOTALS:			385	8 926	

CRITICAL ANALTSIS				
Generated:	2021-01-12 1			
P.O.C. NUMBER: 01 Water Source Information:				
FLOW AVAILABLE				
Water Meter Size:	EXISTING			
Flow Available:	75.00 gpm			
PRESSURE AVAILABLE				
Static Pressure at POC:	55.00 psi			
Elevation Change:	2.00 ft			
Service Line Size:	3"			
Length of Service Line:	20.00 ft			
Pressure Available:	54.00 psi			
DESIGN ANALYSIS				
Maximum Station Flow:	30.06 gpm			
Flow Available at POC:	75.00 gpm			
Residual Flow Available:	44.94 gpm			
Critical Station:	3			
Design Pressure:	40.00 psi			
Friction Loss:	0.63 psi			
Fittings Loss:	0.04 psi			
Elevation Loss:	0.00 psi			
Loss through Valve:	1.74 psi			
Pressure Req. at Critical Station:	42.40 psi			
Loss for Fittings:	0.00 psi			
Loss for Main Line:	0.01 psi			
Loss for POC to Valve Elevation:	0.00 psi			
Loss for Backflow:	10.00 psi			
Loss for Water Meter:	0.10 psi			
Critical Station Pressure at POC:	52.51 psi			
Pressure Available:	54.00 psi			
Residual Pressure Available:	1.49 psi			

CRITICAL ANALYSIS

IRRIGATION NOTES

- ALL LOCAL MUNICIPAL AND STATE LAWS, RULES AND REGULATIONS GOVERNING OR RELATING TO ANY PORTION OF THIS RK ARE HEREBY INCORPORATED INTO AND MADE A PART OF THESE SPECIFICATIONS AND THEIR PROVISIONS SHALL BE CARRIED OUT BY THE CONTRACTOR.
- THE CONTRACTOR SHALL VERIFY THE LOCATIONS OF ALL EXISTING UTILITIES, STRUCTURES AND SERVICES BEFORE COMMENCING WORK. THE LOCATIONS OF UTILITIES, STRUCTURES AND SERVICES SHOWN IN THESE PLANS ARE APPROXIMATE ONLY. ANY DISCREPANCIES BETWEEN THESE PLANS AND ACTUAL FIELD CONDITIONS SHALL BE REPORTED TO THE OWNER'S REPRESENTATIVE.
- 3. THE CONTRACTOR SHALL OBTAIN THE PERTINENT ENGINEERING OR ARCHITECTURAL PLANS BEFORE BEGINNING WORK.
- THE CONTRACTOR SHALL OBTAIN ALL NECESSARY PERMITS REQUIRED TO PERFORM THE WORK INDICATED HEREIN BEFORE
- THIS DESIGN IS DIAGRAMMATIC. ALL EQUIPMENT SHOWN IN PAVED AREAS IS FOR DESIGN CLARITY ONLY AND IS TO BE INSTALLED WITHIN PLANTING AREAS.
- THE CONTRACTOR SHALL NOT WILLFULLY INSTALL ANY EQUIPMENT AS SHOWN ON THE PLANS WHEN IT IS OBVIOUS IN THE FIELD THAT UNKNOWN CONDITIONS EXIST THAT WERE NOT EVIDENT AT THE TIME THESE PLANS WERE PREPARED. ANY SUCH CONDITIONS SHALL BE BROUGHT TO THE ATTENTION OF THE OWNER'S REPRESENTATIVE PRIOR TO ANY WORK OR THE IRRIGATION CONTRACTOR SHALL ASSUME ALL RESPONSIBILITY FOR ANY FIELD CHANGES DEEMED NECESSARY BY THE
- 7. INSTALL ALL EQUIPMENT AS SHOWN IN THE DETAILS AND SPECIFICATIONS. CONTRACTOR SHALL BE RESPONSIBLE TO COMPLY WITH LOCAL CITY, COUNTY AND STATE REQUIREMENTS FOR BOTH EQUIPMENT AND INSTALLATION.
- ACTUAL LOCATION FOR THE INSTALLATION OF THE BACKFLOW PREVENTER AND THE AUTOMATIC CONTROLLER IS TO BE DETERMINED IN THE FIELD BY THE OWNER'S AUTHORIZED REPRESENTATIVE.
- CONTRACTOR IS TO PROVIDE AN ADDITIONAL PILOT WIRE FROM CONTROLLER ALONG ENTIRETY OF MAIN LINE TO THE LAST RCV ON EACH AND EVERY LEG OF MAIN LINE. LABEL SPARE WIRES AT BOTH ENDS.
- 10. ALL PIPE UNDER PAVED AREAS TO BE INSTALLED IN SLEEVING TWICE THE DIAMETER OF THE PIPE CARRIED. SEE LEGEND FOR TYPE. ALL WIRE UNDER PAVED AREAS TO BE INSTALLED IN A SCH. 40 SLEEVE THE SIZE REQUIRED TO EASILY PULL WIRE THROUGH, ALL SLEEVES TO BE INSTALLED WITH A MINIMUM DEPTH AS SHOWN ON THE SLEEVING DETAILS, SLEEVES TO EXTEND AT LEAST 12" PAST THE EDGE OF THE PAVING.
- 11. ALL QUICK COUPLER AND REMOTE CONTROL VALVES TO BE INSTALLED IN SHRUB OR GROUND COVER AREAS WHERE POSSIBLE. ALL QUICK COUPLER AND REMOTE CONTROL VALVES TO BE INSTALLED AS SHOWN ON THE INSTALLATION DETAILS. INSTALL ALL QUICK COUPLER AND REMOTE CONTROL VALVES WITHIN 18" OF HARDSCAPE.
- 12. ALL HEADS ARE TO BE INSTALLED WITH THE NOZZLE, SCREEN AND ARCS SHOWN ON THE PLANS. ALL HEADS ARE TO BE ADJUSTED TO PREVENT OVERSPRAY ONTO BUILDINGS, WALLS, FENCES AND HARDSCAPE. THIS INCLUDES, BUT NOT LIMITED TO, ADJ
- 13. THE CONTRACTOR SHALL USE PROPER GROUNDING TECHNIQUES FOR GROUNDING THE CONTROLLER AND RELATED EQUIPMENT PER MANUFACTURERS SPECIFICATIONS, SWEENEY AND ASSOCIATES RECOMMENDS MEASURING FOR PROPER GROUND AT LEAST ONCE ANNUALLY, AND NECESSARY ADJUSTMENTS MADE TO COMPLY WITH MANUFACTURER
- 14. CONTRACTOR TO RECERTIFY EXISTING PUMP AND PVB IF APPLICABLE.
- 15. SYSTEM IS TO USE LOWEST QUALITY WATER AVAILABLE AT TIME OF INSTALLATION.
- 16. CONTROL SYSTEM TO PROVIDE ABILITY TO BE PROGRAMMED IN MINUTES, WEEKDAY, SEASON, AND TIME OF DAY,
- 17. IRRIGATION SYSTEM SHALL MAINTAIN AND OPERATE A RAIN SENSOR DEVICE OR SWITCH WITH 100% COVERAGE AND 50% OVERLAP THAT WILL OVERRIDE THE IRRIGATION CYCLE OF THE SPRINKLER SYSTEM WHEN ADEQUATE RAINFALL OCCURS.
- 18. CHECK VALVES MUST BE INSTALLED AT IRRIGATION HEADS AS NEEDED TO PREVENT LOW HEAD DRAINAGE AND PUDDLING.
- 19. IRRIGATED AREAS SHALL NOT BE LESS THAN FOUR FEET WIDE, EXCEPT WHEN USING MICRO OR DRIP IRRIGATION.
- 20. NOZZLE PRECIPITATION RATES FOR ALL HEADS WITHIN EACH VALVE CIRCUIT MUST BE MATCHED TO WITHIN 20% OF ONE

NOTE A:
POINT OF CONNECTION SHALL BE FROM THE EXISTING WATER METER OFF OF
CITY WATER. VERIEY THE ACTUAL LOCATION, SIZE AND WATER PRESSURE IN
THE FIELD PRIOR TO STARTING WORK, IF ANY OF THE POC INFORMATION
SHOWN ON THESE DRAWING IS FOUND TO BE DIFFERENT THAN THE ACTUAL POC
INFORMATION GATHERED IN THE RIELD, IMMEDIATELY NOTIFY THE LANDSCAPE
ARCHITECT AND IRRIGATION CONSULTANT. SHOULD THE CONTRACTOR FAIL TO
VERIEY THE POC INFORMATION ANY CHANGES REQUIRED BY LOW PRESSURE OR
VOLUME SHALL BE THE SOUL BESEGNATION THE CONTRACTOR. VOLUME SHALL BE THE SOLE RESPONSIBILITY OF THE CONTRACTOR.

MINIMUM PRESSURE REQUIRED 45.16 PSI @ POC DESIGN WATER PRESSURE 55 PSI

CAPACITY OF CONTROLLER AND ELECTRICAL POC SHALL BE CONFIRMED WITH OWNER'S AUTHORIZED REPRESENTATIVE PRIOR TO STARTING WORK.

MAINLINE AND RELATED EQUIPMENT SHOWN WITHIN PAVING FOR CLARITY ONLY, ACTUAL MAINLINE AND RELATED EQUIPMENT LOCATION TO BE WITHIN PLANTERS AND A MINIMUM OF 18" OFF ADJACENT HARDSCAPE AND OTHER OBSTACLES

Digitally signed by Michael

ENGINEERING GROUP LLC,

cn=Michael D Grosswirth

Date: 2022.07.18 13:34:34

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Michael D D Grosswirth

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CONTRACTOR SHALL ADJUST ALL HEADS AS REQUIRED TO ACCOMMODATE ANY VERTICAL OBSTRUCTIONS THAT MAY OCCUR, INCLUDING BUT NOT LIMITED TO LIGHT POLES, FIRE HYDRANTS, ETC. VERIFY ALL HEAD LAYOUT WITH OWNER'S AUTHORIZED REPRESENTATIVE PRIOR TO STARTING WORK.

NOTE E:
BUBBLERS AND LATERAL LINES ARE SHOWN WITHIN PAVING FOR CLARITY ONLY,
ACTUAL LOCATION TO BE WITHIN PLANTER. BUBBLERS SHALL BE ALIGNED WITH
TREES AND AS DIRECTED BY OWNER'S AUTHORIZED REPRESENTATIVE.
CONFRM ALL LAYOUT IN FIELD WITH OWNER'S AUTHORIZED REPRESENTATIVE PRIOR TO STARTING WORK.

FDOT PERMIT NUMBER: 2022-L-491-00005



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CHECKED BY:	
DATE:	02/14/202
CAD I.D.:	F190114 RRIGATION ROAD
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POPEYE'S CENTER CROSS-ACCESS ROADWAY

NW 31ST AVE LLC

3051 W. ATLANTIC BLVD. CITY OF POMPANO BEACH FLORIDA

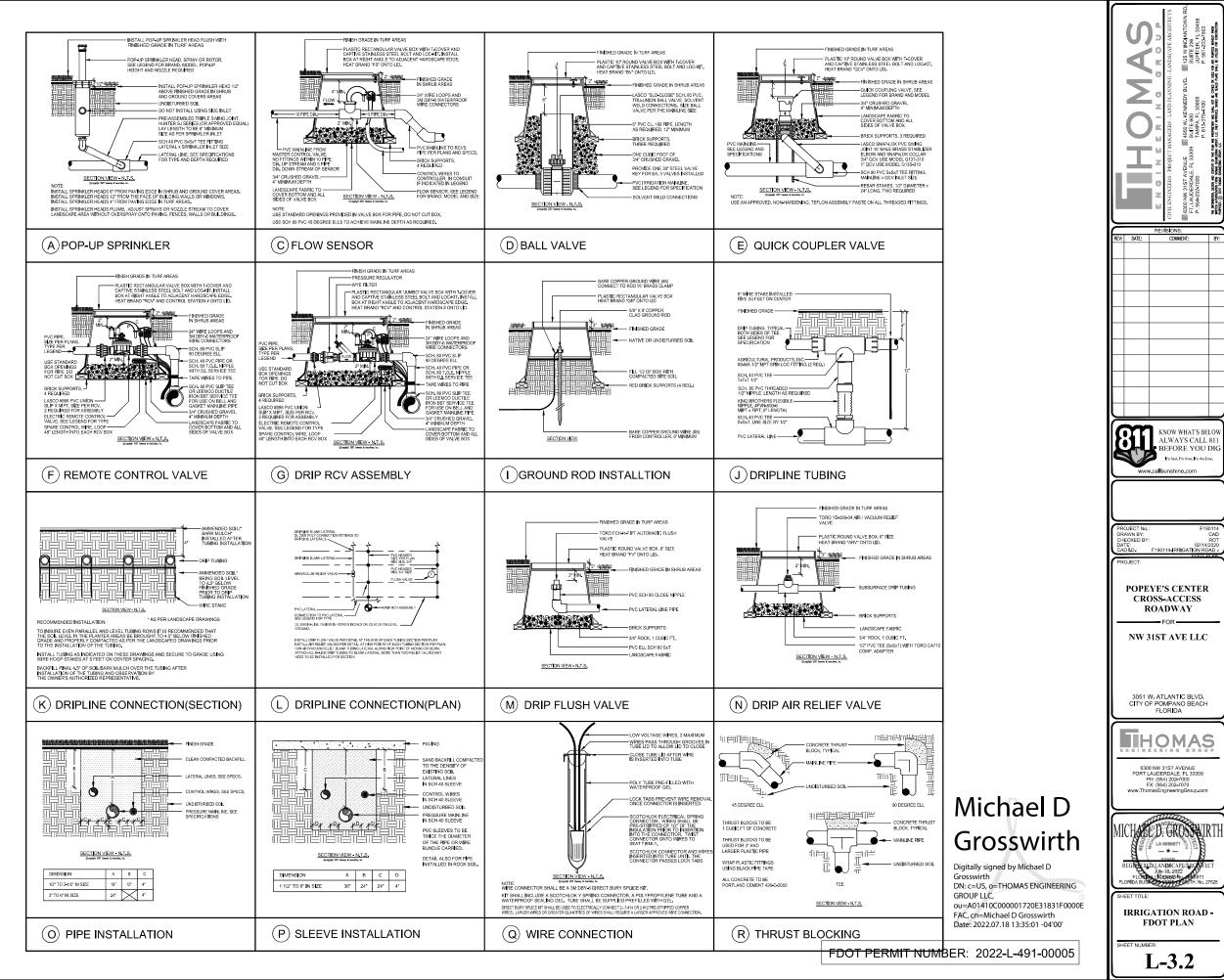


6300 NW 31ST AVENUE FORT LAUDERDALE, FL 33309 PH: (954) 202-7000 FX: (954) 202-7070



IRRIGATION ROAD -FDOT PLAN

L-3.1



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POPEYE'S CENTER CROSS-ACCESS

ROADWAY

NW 31ST AVE LLC

3051 W. ATLANTIC BLVD. CITY OF POMPANO BEACH FLORIDA

6300 NW 31ST AVENUE FORT LAUDERDALE, FL 33309 PH: (954) 202-7000 FX: (954) 202-7070

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IRRIGATION ROAD -

FDOT PLAN

L-3.2