SECTION No.:

860005000

S.R. No.:

838

PERMIT No(s).: COUNTY: 2018-L-491-014 BROWARD

### DISTRICT FOUR (4) AMENDMENT NUMBER FIVE (5) TO STATE OF FLORIDA DEPARTMENT OF TRANSPORTATION LANDSCAPE INCLUSIVE MEMORANDUM OF AGREEMENT

THIS AMENDMENT	Number Five	(5) to the	Agreement	dated Dece	mber 12,	2007, m	ade
and entered into this	day of _		20	by and	l between	the State	e of
Florida Department of T	ransportation	hereinafter	called the	DEPARTME	NT and the	ne CITY	OF
FORT LAUDERDALE,	a municipal s	ubdivision	of the State	of Florida,	hereinafte	r called	the
AGENCY.							

### WITHNESSETH

WHEREAS, the parties entered into the Landscape Inclusive Maintenance of Agreement dated, December 12, 2007 for the purpose of maintaining the landscape improvements by the AGENCY on various roads including State Road 838 (Sunrise Boulevard); and,

WHEREAS, the DEPARTMENT and the AGENCY have agreed to add additional landscape to be installed on State Road 838 (Sunrise Boulevard) in accordance with the above referenced Agreement; and,

**WHEREAS**, the parties hereto mutually recognize the need for entering into an Amendment designating and setting forth the responsibilities of each party, 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 page 1, paragraph 1 of the Landscape Inclusive Maintenance Memorandum of Agreement Amendment Number Two (2) for State Road 838 (Sunrise Boulevard) dated January 3, 2014, the DEPARTMENT will allow the AGENCY to have constructed additional landscape improvements or to modify an improvement located as indicated in **Exhibit "A"**, State Road 838 (Sunrise Boulevard) from M.P. 7.537 to M.P. 7.653, in accordance with the plans attached as **Exhibit "B"**.
- 2. The AGENCY shall agree to maintain the additional landscape improvements in the Inclusive Agreement described above according the **Exhibit "C"** Maintenance Plan, of the original agreement and add the following provision:

### II. Specific Project Site Maintenance Requirements and Recommendations:

All sodding shall be kept free of sunken, bare, or dead spots. Trees shall only be pruned to structurally manage tree architecture with the objective of reducing the failure risk by improving structure and removing dead branches, providing more clearance by raising or reducing the crown, and thinning of the crown to increase light and air penetration. Dead or dying plant materials shall be replaced with the Florida Number 1 materials of the same species and specification as the approved plan. A 3-inch layer of sterilized organic mulch derived from invasive tree species shall be provided no closer than 6" to the base of trees and shall be replenished annually. In other area, a special system of proprietary resin-aggregate pervious tree pit medium of Addapave is provided for trees in sidewalk planter cutouts. The surface shall be restored as needed with identical materials and kept at a maximum slope of 2% in any direction, free of debris and obstruction to allow for safe pedestrian circulation. Invasive exotics shall be removed and eradicated from all landscape areas. Regular inspection to assess the condition of plant materials and landscape areas is recommended to take place as part of regular maintenance operations. Live Oak trees installed in the Right-of-way at this site are best trimmed during the early spring to optimize growth and minimize susceptibility to pests and pathogens associated with wounding when pruned during their dormancy period Palms and trees may be fertilized during the growing season 2-3 times a year. Lawn fertilization shall take place 3 times during each growing season. Fertilizers shall be kept off impervious surfaces & minimum 15' away from well points and surface water bodies. Structural soil areas shall be maintained free of sunken areas and shall be replenished with structural soils meeting the original specification as needed.

3. Nothing herein shall constitute a waiver of sovereign immunity by the AGENCY.

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 Limits and Maintenance Boundaries and Location Map

Exhibit B - Landscape Improvement Plans

theday year written and ap	o have executed with this Amendment effective proved.
STATE OF FLORIDA DEPARTMENT OF TRANSPORTATION	CITY OF FORT LAUDERDALE, through its CITY COMMISSIONERS
By: Transportation Development Director	By: Dean J. Trantalis, Mayor, 2019
Attest:(SEAL) Executive Secretary	Christopher J. Lagerbloom, City Manager
Legal Review Date	Approved as to form by Office of City Attorney
Office of the General Counsel	Kimberly Cunningham Mosley, Assistant City Attorney
	ATTEST:
	Jeffrey A. Modarelli, City Clerk
	(SEAL)

SECTION No.:

860005000

S.R. No.:

838

PERMIT No(s).: COUNTY:

2018-L-491-014

**BROWARD** 

### **EXHIBIT A**

### LANDSCAPE IMPROVEMENTS PROJECT LIMITS

### MAINTENANCE BOUNDARIES LIMITS AND LOCATION MAP

 PERMIT LANDSCAPE PROJECT LIMITS: Section 8602000

State Road 838 (Sunrise Boulevard) from M.P. 7.537 to M.P. 7.653

II. INCLUSIVE LANDSCAPE MAINTENANCE AGREEMENT LIMITS:
Section 86110000
State Road 838 (Sunrise Boulevard)

M.P. 5.789 (east of N.W. 24th Avenue) to M.P. 8.161 (State Road 5/US 1)

Entire right of way

Section 86020000

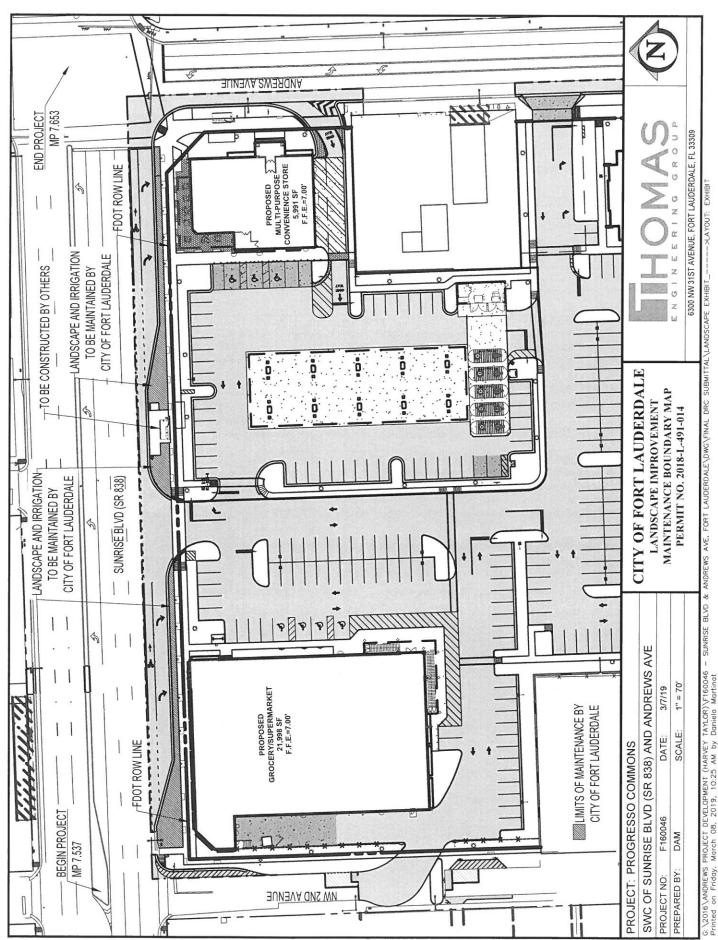
State Road 838 (Sunrise Boulevard) / State Road 5 (US 1/Federal Highway) M.P. 1.060 (State Road 838/Sunrise Boulevard) to M.P. 1.911 (N.E. 18<sup>th</sup> Avenue Entire right of way

Section 86005000 State Road 838 (Sunrise Boulevard) M.P. 0.000 (N.E. 18<sup>th</sup> Avenue) to M.P. 1.191 (State Road A1A) Entire right of way

III. LANDSCAPE IMPROVEMENTS MAINTENANCE BOUNDARY LIMITS MAP:

\*All limits of the original agreement and amendments shall apply

Please See Attached



CAM 19-0993 Exhibit 1 Page 5 of 16

**SECTION No.:** 

860005000

S.R. No.:

838

PERMIT No(s).: COUNTY: 2018-L-491-014 BROWARD

### **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:

Thomas Engineering Group

Ryan J. King Ebrahimian, RLA.

Date: December 6, 2018

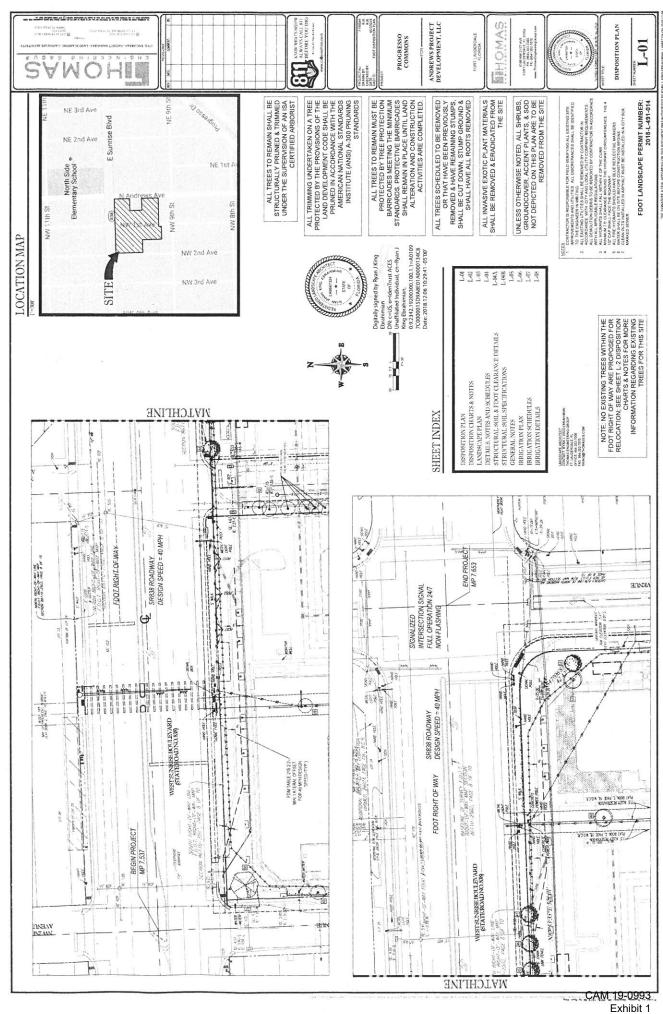


Exhibit 1 Page 7 of 16

2         Sabal palmetto         COMMON NAME         T. SPR DBH           2         Sabal palmetto         Cabbage Palm         14         SPR 10           3         Sabal palmetto         Cabbage Palm         14         8         10           5         Sabal palmetto         Cabbage Palm         14         8         10           7         Sabal palmetto         Cabbage Palm         10         8         10           8         Sabal palmetto         Cabbage Palm         10         8         10           1         Sabal palmetto         Cabbage Palm         10         8         10           8         Sabal palmetto         Cabbage Palm         10         8         10           10         Outercus laurifolia         Laurel Oak         12         10         10           11         Quercus laurifolia         Laurel Oak         12         12         10           12         Sabal palmetto         Cabbage Palm         12         10         10           13         Sabal palmetto         Cabbage Palm         12         10         10           14         Quercus laurifolia         Laurel Oak         12         12         10 <tr< th=""><th>60% 60% 60% 60% 60% 60% 60% 60% 60% 60%</th><th></th><th>COMBINIS COMBINIS COFFSITE OFFSITE OFFSITE OFFSITE OFFSITE OFFSITE OFFSITE OFFSITE Affected area Affected area</th><th>DISPOSITION REMAIN REMOVE remove</th><th>7.68 5.76 10.8 10.8 10.8 10.8 10.8 10.8 10.8 10.8</th></tr<>	60% 60% 60% 60% 60% 60% 60% 60% 60% 60%		COMBINIS COMBINIS COFFSITE OFFSITE OFFSITE OFFSITE OFFSITE OFFSITE OFFSITE OFFSITE Affected area	DISPOSITION REMAIN REMOVE	7.68 5.76 10.8 10.8 10.8 10.8 10.8 10.8 10.8 10.8
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Quercus laurifolia         Laure l Oak         26         22           Sabal palmetto         Cabbage Palm         12         6         22           Pinus elliotti         Slash Pine         50         34         30           Aduecrus laurifolia         Norfolk Island Pine         62         13           Pinus elliotti         Slash Pine         62         13           Pinus elliotti         Slash Pine         46         24           Pinus elliotti         Slash Pine         45         30           Pinus elliotti         Slash Pine         6         45         36           Pinus elliotti			OFFSITE Invasive exotic Affected area	REMAIN REMAIN REMAIN REMAIN REMOVE	7.68 7.68 10.8 10.8 10.8 10.8 10.8 10.8 10.8 10.
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Pinus elliotti Slash Pine   Sush Pine			Invasive exotic Affected area	REMAIN remove	7.68 10.8 10.8 10.8 10.8 10.8 10.8 10.8 11.2 10.8 10.8 11.2 10.8 10.8 11.2 11.2 10.8 11.2 11.2 11.2 11.2 11.2 11.2 11.2 11
AGuercus laurificia         Laurer Opk         34         30           Acuercus laurificia         Stash Pine         60         30           Pinus elliotti         Stash Pine         60         30           Pinus elliotti         Stash Pine         46         24           Pinus elliotti         Stash Pine         46         24           Pinus elliotti         Stash Pine         45         30           Pinus elliotti         Stash Pine         6         45         36           Pinus elliotti         Stash Pine         6         45         36           Pinus elliotti         Stash Pine         6         45         36           Lysloma latsiliquum         Wild Tamarind         10         20         22           Lysloma latsiliquum         Wild Tamarind         10         20         22           Sabal palmetto         Cabbage Palm         10         22         28           Fig Tree         Fig Tree </td <td></td> <td>0 44444 4444 40</td> <td>Invasive exotic Affected area Affected area</td> <td>remove remove remove</td> <td>7.68 10.8 10.8 10.8 10.8 10.8 12 12 10.8 10.8 10.8 10.8 10.8 10.8 10.8 10.8</td>		0 44444 4444 40	Invasive exotic Affected area	remove	7.68 10.8 10.8 10.8 10.8 10.8 12 12 10.8 10.8 10.8 10.8 10.8 10.8 10.8 10.8
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Pinus elliotti Slash Pine   46 40		4444 40	Affected area	remove remove remove remove Relocate	10.8 12 10.8 3 5 5 6.8 8.8
Pinus elliotti Slash Pine   45 38		4 4 4 4 B	Affected area Affected area Affected area Affected area Damaged trunk & branches Affected area;trunk damage Affected area;	remove remove remove Relocate	12 10.8 3 5 5 6.8 8.8
Pinus elliotti Stash Pine   46 36		A A A A B	Affected area Affected area Affected area Affected area; trunk & branches Affected area; trunk damage	remove remove Relocate	10.8 3 5 5 8.8 11.52
Lysiloma latisliquum   Wild Tamarind   20 22     Lysiloma latisliquum   Wild Tamarind   20 22     Sabal palmetro   Cabbage Palm   10   2   2     Sabal palmetro   Cabbage Palm   12   36 50     Sabal palmetro   Cabbage Palm   12   10     Sabal palmetro   Cabbage Palm   10   10     Sabal palmetro   Cabbage Palm   14   10     Sabal palmetro   Cabbage Palm   10   10     Sabal palmetro   10   10   10     Sabal palmetro   10   10   10   10     Sabal palmetro   10   10   10   10     Sabal palmetro   10   10   10   10   10     Sabal palmetro   10   10   10   10   10   10     Sabal palmetro   10   10   10   10   10   10   10   1		4 4 4 8	Affected area Affected area Affected trunk & branches Affected area;trunk damage Affected area	remove remove Relocate	3 8.8 1152
Lysiloma latistiliquum   Wild Tamarind   10 20 22     Sabal palmetro   Cabbage Palm   10 8     Sabal palmetro   Cabbage Palm   12 25 28     Sabal palmetro   Cabbage Palm   12   10     Sabal palmetro   Cabbage Palm   10   10     Sabal palmetro   Cabbage Palm   14   32   40     Sabal palmetro   10   10     Sabal palmetro   10   10   10   10     Sabal palmetro   10   10   10   10   10   10     Sabal palmetro   10   10   10   10   10   10   10   1		A A B	Affected area  Damaged trunk & branches Affected area;trunk damage Affected area	Relocate	8.8
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Royal Poinciana   Dolonix regia   36 50		8	Affected area;trunk damage Affected area	remove	11.52
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Sabal parmetro   Cabbage Palm   0   10     Sabal parmetro   Cabbage Palm   10   10     Sabal palmetro   Cabbage Palm   10   10     Sabal palmetro   Cabbage Palm   10   10     Sabal palmetro   Cabbage Palm   15   10     Sabal palmetro   Cabbage Palm   15   10     Sabal palmetro   Cabbage Palm   14   32   40     Sabal palmetro			Affected area	Relocate	
Sabal palmetro   Cabbage Palm   10   10			Arrected area	Relocate	
Sabal palmetro   Cabbage Palm   15   10     Sabal palmetro   Cabbage Palm   16     Sabal palmetro   Cabbage Palm   15     Sabal palmetro   Cabbage Palm   16     Sabal palmetro   Cabbage Palm   17     Mangiera indica   Mango   32   40     Sabal palmetro   Cabbage Palm   14     Sabal palmetro   Cabbage Palm   14     Sabal palmetro   Cabbage Palm   14     Sabal palmetro   Cabbage Palm   15     Sabal palmetro   Cabbage Palm   14     Sabal palmetro   Cabbage Palm   15     Sabal palmetro   Cabbage Palm   15     Sabal palmetro   Cabbage Palm   14     Sabal palmetro   Cabbage Palmetro   15     Sabal palmetro   Cabbage Palmetro   15     Sabal palmetro   Cabbage Palmetro   15     Sabal pal			Arrected area	Kelocate	
Sabal palmetto   Cabbage Palm   15     Sabal palmetto   Cabbage Palm   15     Sabal palmetto   Scrub Palm   n/a   7     Mangifera Indica   Mango   14   32   40     Sabal palmetto   Cabbage Palm   14   3     Sabal palmetto   Cabbage Palm   14   3     Sabal palmetto   Cabbage Palm   15     Sabal palmetto   Cabbage Palmet   15     Sabal palmetto   Ca			Affected area	Kelocate	
Sabal palmetro   Cabodage Palm   15   7   8   8   8   8   9   9   9   9   9   9			Arrected area	Kelocate	
Salasi painetto   Sciud yamin   114   32 40     Mangilera indica   Mango   14   32 40     Sabal painetto   Cabhage Paim   14   32   34     Sabal painetto   Cabhage Paim   15   35   34     Sabal paimeto   Cabhage Paim   15   35     Sabal paimeto   Cabhage Paim   15   35     Sabal paimeto   Sabal paimeto   15   35   35     Sabal paimeto   15   35   35   35   35     Sabal paimeto   15   35   35   35   35   35     Sabal paimeto   15   35   35   35   35   35   35     Sabal paimeto   15   35   35   35   35   35   35   35			Anected area	Kelocate	
Manginera morca mango Sabal palmetto Cabbage Palm 14 34 Saha Inalmetto Cabbage Palm 15	300%		Double, in affected alea	Lemons	703
Sahal palmetto Cabbade Palm	1	د	Double, in affected area	remove	0.04
			Affected area	Polocate	
Sabal palmetto Scrib Palm			Scrub	remove	
Bucida buceras Black Olive 16		0	In R/W Improvements	remove	3.36
Bucida buceras Black Olive 24 20		0	In R/W Improvements	remove	1.5
	30%	o	In R/W Improvements	remove	2.16
Bucida buceras Black Olive 34 32		o	In R/W Improvements	remove	3.84
48 Syagrus romanzoffiana Queen Palm 10			Necrosis; tapered trunk	remove	
Ficus aurea Strangler Fig		Ą	Epiphytic to sabal palm	remove	11.4
Sabal palmetto	40%		Host to strangler fig; Poor	remove	
Sabal palmetto Cabbage Palm 20			Affected area	Relocate	
Coco nucifera Coconul Palm 25 25	1		Affected area	remove	
Bucida buceras Black Olive 32 36	40%	3	Affected area	remove	5.28
Acacia auriculiformis Earleaf Acacia 28 25			Invasive exotic	remove	
Acada auriculiformis Earleaf Acada	1		Invasive exotic	remove	
Ductata bucida bucidalla Laural Oat	1	ه د	Boot Zone in Affected ages	remove	1.7
55 Quercus laurifolia Laurel Oak 22 34 27 34 57 Syagnic romanapolifiana Outon Palm 8 7 10	40%	n	Neot Zone in Affected area	remove	10.88
Figure refuses Figure 144 10	1	A	Poor structure, chlorosis	a distribution	1.8
Ouercus laurifolia Laurel Oak 25 34	1	8	Affected area	remove	7.68
Quercus virginiana Live Oak 34 25		A	A Extreme lean; Affected area remove	remove	7.2
		TOTAL	PALMS REMOVED, TO BE RE	PLACED @ 1:1:	4 PALMS
			TOTAL QUALIFIED TREES REMOVED:	EES REMOVED:	29 TREES
			TOTAL DBH OF NON-SPECIMENS TO BE REPLACED (IN.)	EPLACED (IN.) :	224.18
	101	TAL DBH	TOTAL TRUNK-FEET PALMS TO BE RELOCATED	E DEI OCATEN .	153 TRUNK-FT
	01	TAL DBH C	The Investment of the second of the second	THE PRINCIPLE OF	

### GENERAL NOTES:

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Convector is responsible for determining all utility locations and installing facilities as as to not conflict. All deseggs to existing utilities or improvements aswed by Contractor shall be repaired as no additional cost to the Owner.

2. Contractor to notify "Surahine State One Call of Florida, Inc." at 1:800-432-4710 Two Full Business Days prior to digging for underground utility locations.

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

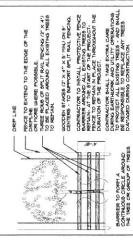
4. No plant material will be accepted showing evidence of cable, chain marks, equipment ecars, or otherwise damaged.

5. Noor-private all trees to be Relocated a minimum of (100) weeks private to philings and politying and require or concepting of a large term reputation of concepting of a construction defected distants.

6. The protection brainfacted as will be provided by Landscape Contractor around entiting trees that may be impatitually by the proposed construction. Figure 10 and construction in Figure 10 and construction at tree protection between protection whill be conducted by the instruction between the protection and if or one or governing muchality. Nater to landscape dutal for the preservation of includes reconstruction.



KNOW WHATS BELL SI ALWAYS CALL SI BEFORE YOU DI



ANDREWS PROJECT DEVELOPMENT, LLC

PROGRESSO COMMONS

# TREE PROTECTION DETAIL

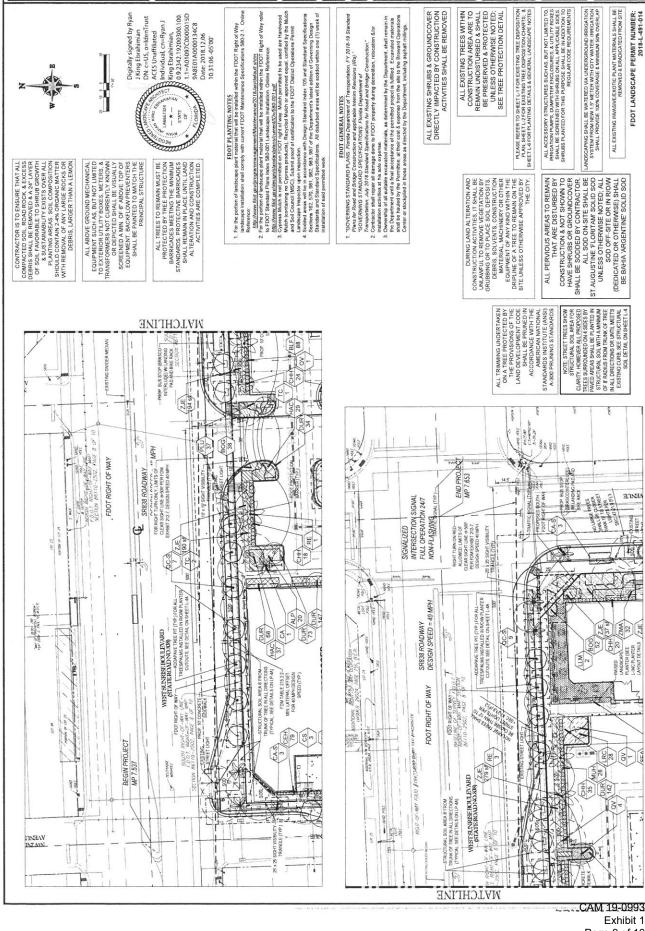
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FORT LAUDERDALE FLORIDA

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DISPOSTION CHARTS & NOTES L-02



THOMAS

LANDSCAPE PLAN

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ANDREWS PROJECT DEVELOPMENT, LLC

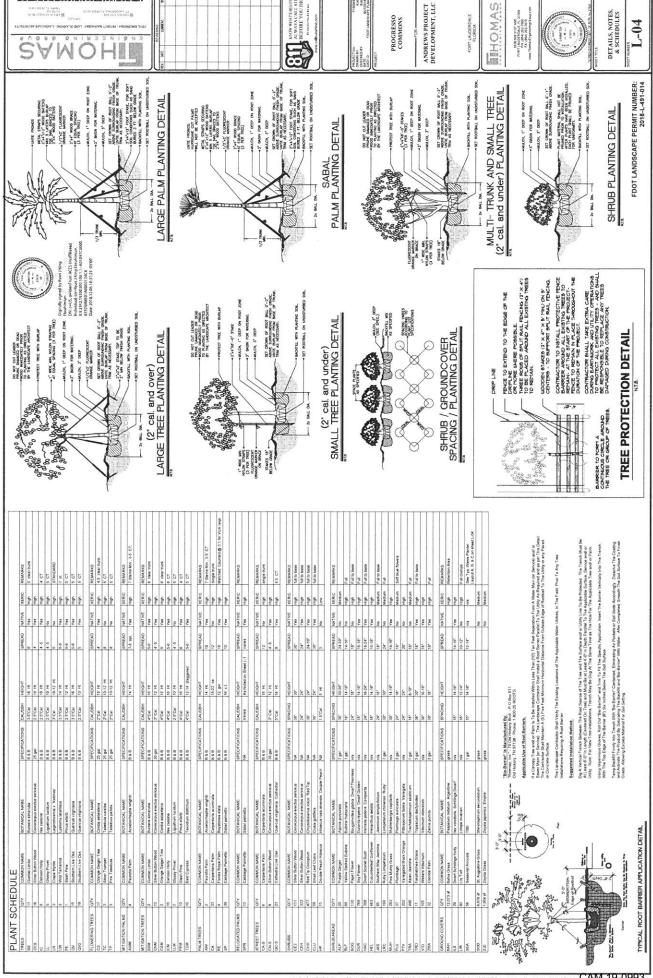
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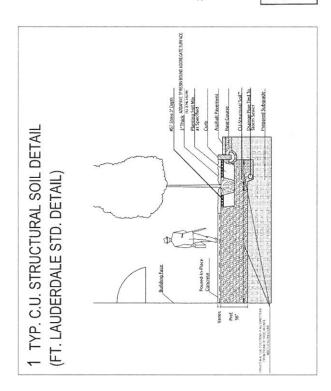
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NOTE, STREET TREES SHOW STRUCTURAL SOL, AREA FOR CAUGHT, POWERERALL PREPOSED, TREES SHOW DOE FOR STRUCTURAL SOLL, WITH A MANALAM OF ERDIUS FROM TRUM OF THE IN ALL DIRECTIONS OR UNTIL MEETS ENSTRUCCURAL SOLL WITH A

KNOW WHAT'S BELL & ALWAY'S CALL & BEFORE YOU'D

"NDDAPAVE TP" TREE PIT SHALL BE MANUPGTURED BY CHARMELEON WAYS TO BE APPLIED OVER COMPACTED WASHED STONE; COLORFINISH: "RHINE GOLD" 6-10 mm

AGGREGATE WEDGE

17

'ADDAPAVE TP' DETAIL

2

CHAMELEON WAYS ADDAPAVE TREE PIT— 3" DEPTH

ANDREWS PROJECT DEVELOPMENT, LLC

PROGRESSO COMMONS

NOTE: ADDAPAVE TO BE INSTALLED PARTIALLY IN GREEK AREAS SHALL BE POURED IN PLACE & BOUND BY GALVANIZED & POMED IN PLACE & BOUND BY GALVANIZED & POMED R: COATED (COLOR: BROWN) STEEL EDGING THAT IS EMBEDDED INTO THE FINSH GRADE SOIL SURFACE TO A DEPTH OF 6" & STAKEE EVERY 18" OC. OR FRACTION THEREOF OR PER MANUFACTURER'S SPECIFICATIONS: EDGING SHALL BE INSTALLED PRIOR TO LAYING DOWN 3" THE ADDAPAVE TREE PIT & SECURELY STAKED TO A DEPTH OF 18"

BIHOMAS

FORT LAUDERDALE FLORIDA

SIDEWALK

\$3886°°°

SIDEWALK

# 57 STONE -- 2"-3" DEPTH

EDOT I ANDSCADE DEDMIT NI

DRAINAGE PIPE TIED TO STORM SEWER-

STRUCTURAL SOIL TO EXTEND & ALL DIRECTIONS FROM TRUNK OF TREE OR UNTIL MEETS EXISTING CURB

STRUCTURAL SOIL TO EXTEND 8' ALL DIRECTIONS FROM TRUNK OF TREE OR UNTIL MEETS EXISTING CURB

GEO-TEXTILE FABRIC ——
STRUCTURAL SOIL TO EXTEND UNDER
SIDEWALK AND CONNECT TO ADJACENT
GREEN AREAS STRUCTURAL SOIL —

STRUCTURAL SOIL & FDOT CLEARANCE DETAILS

> FDOT LANDSCAPE PERMIT NUMBER: 2018-L-491-014

L-04A

### KNOW WHATS BELOW ALWAYS CALL SIT BEFORE YOU DIG FULL SYMMET SHEET STRUCTURAL SOIL SPECIFICATIONS THOMAS ANDREWS PROJECT DEVELOPMENT, LLC L-04B PROGRESSO COMMONS 1110 Digitally signed by Ryan J King Ebrahimian Digitally signed by Ryan J King Ebrahimian DN: ex12, collectivat Acts Chaffilliated Individual, cnefyan J King Ebrahimian, 02.3242, 19200300 in 01.1 = A01097 C00000 Dstr. 2018.1 2.06 i 10.3205 -05°00 STRUCTURAL SOIL SPECIFICATIONS PROVIDED ON THIS SHEET ARE THE PROPERTY OF AMERICA INC. ACIO. DIVISION REFER TO MANUAL INFORMATION ADDITIONAL INFORMATION 7 FDOT LANDSCAPE PERMIT NUMBER: 2018-L-491-014 CU-STRUCTURAL SOIL® SPECIFICATIONS A. The size of the conded sizes while of 15 takes or 15 sedes, graces that 15 sedes, and up to 110° kes that 05 sedes, the concepts of the 15 sedes, and pot 10° kes that 05 sedes, and the coxed 25.0 for an C. Mentuman Wyd, will ke sed mere forward face. C. Mentuman Wyd, will ke sed mere forward face. D. Resulte of Aggrage Sambhoot has a child for except 15%. E. Lenses from LA Altresses tests shall not succeed 40%. 2. Percent against matter 2% - 6% by day weight 3. Adequate univer levels 4. Soluble vali (vo. ban 10 members) 5. Calobit valing value (DA) greener than 10 6. Calobit valing value (DA) greener than 10 6. Carbox Venegor and bette from USON - chandle D. Lomm or ethy from hold mes come from USON - chandle A Mort to be used to the control of A. The engineer will impect the work upon the request of the installing contractor. Request inspection shall be received by the engineer at least 10 days before the anticipated date of impection. CU-STRUCTURAL SOIL® SPECIFICATIONS 2.2 FERTILIZER (if needed) 23 SULFUR (fineeded) 2.5 CRUSHED STONE 2.4 LIME (Finceded) 2.7 WATER licensed producer. E. Englineer shall ensure that the deliver (CL)-Sold\* Herenee by importing we (CL)-Sold\* Herenee by importing we be protected by a tarp we other want 3.6 ACCEPTANCE STANDARDS All nots to receive CUS/interitual Soal\* shall be impected by the intailing contracts before suring work and all defects test as incerner; gallery, compaction, and inadequate charing shall be reported to the regiment prise to beginning this novel. 60 (MALTY ASSURANCE) 3.5 FINE GRABING Deliverol CU-Structural Scal\* shall be a ver near optimum compaction mointern content determined by AASHTO T 99 (ASTM D 498) and aboutd not be placed in froren, vert-modely area. CU-STRUCTURAL SOIL\* SPECIFICATIONS Product U. Schauster Soil From exposure to excess water and from existing from the first from the product of several transfer control and product of the first from the product of th Excessor and compact the proposed subgrade to doptic, slopes and widths as shown on the drawning. A limitiate all required angles or reprove of the adjustent mentalist as shown on the drawnings. Do not over excessor compacted subgrades of adjustent parenten or structure. 1.4 DELIVERY, STORAGE AND HANDLING Protect adjacent walls, walks and utilities from damage. Use 1º n/ywood and/or plastic thereing as directed to sover extaining concrete, inexal and masoury work and other items directed during the progress of the work. CU-STRUCTURAL SOIL® SPECIFICATIONS the excreation of all construction debris, traab, mabble and any foreign that fresh, only, construct washout tilts or other material harmful to pit of into the subgraced material, excrease the soil sufficiently to remove rial. Fill any orst excessions with approved fill and compared to the PART 2. MATERIALS 3.4 INSTALLATION OF CE-STRUCTURAL SOIL" MATERIAL In plan deliberthe that the properties of particular plants of properties of particular properties of particular particular plants of particular particu wired hydrometer and wet sloving using sodius compliance with ASTM D422 after destruction CU-STRUCTURAL SOIL\* SPECIFICATIONS Contractor to submit from AMEREQ-licenced production which will be used in production of CU-South I. Provide particle size analysis: Mantan adequate monitore content dampy the mixing process. Soft and mix components in tall executions of partial and text dampy with content and the mixing and content and the mixing process. The include produces that measuring process in content of text in order or of the mixing and process. All CU-Sinettrani Soal" mixing shall be performed as the incensed producer's yard using apprepriate son fractoring invaring and a brefatting equipment of sufficient capacity and expeditly to a source prepring quality cented and consistent mix native. No maxing of CU-Structural Soal" at the project site shall be permitted. CU-STRUCTURAL SOIL,\* SPECIFICATIONS 3.2 UNDERGROUND UTILITIES AND SUBSURFACE CONDITIONS 3.1 CU-SOIL\* MIXING AND QUALITY CONTROL TESTING PART 3- PRODUCTION AND INSTALLATION GUIDELINES The installing contractor shall norify the engineer of any affect the contractor's ability to install the CU-Soil'. Material specified crushed Stone specified clay learn Gelscape\* Hydrogel Tackifier crish shall be ordered until the required samples, scriffcusies, manufacturer's life it serves disease and test fear the been recitered and appropriate by the Lund, tanging the conginest. The engineer reserves the right to reject any material that does it structural soul "specifications. Delivered amortant vhall closely match the right. CU-STRUCTURAL SOIL\* SPECIFICATIONS Size in mm. PART 1 - DESCRIPTION AND SPECIFICATION 1.2 REFERENCES AND STANDARDS 13 SAMPLES AND SUBMITTALS

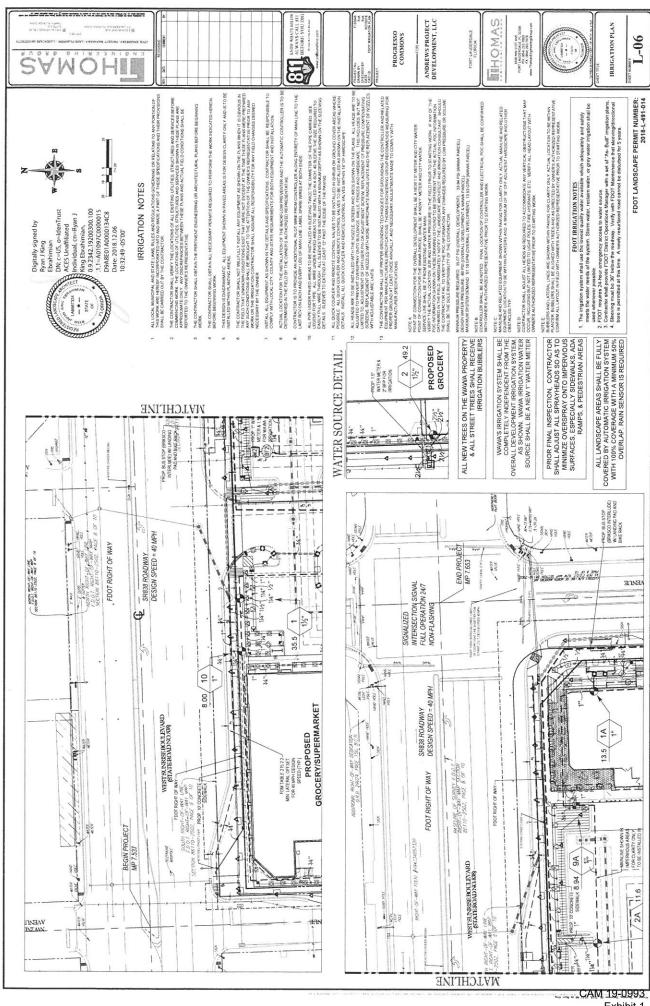
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001509A6E01 1206 1032227-0500 FDOT LANDSCAPE PERMIT NUMBER: 2018-L-491-014 CONTRACTOR SHALL WERPY ALL EXISTING CONCILCING RUTHE FIELD AND REPORT NAT DESCRIPMENTS IN THE SITE SARWEY TO THE DAVICE PRODE TO STARTING WITH 1 THEALY BRIGHTON TO THE CONTRIBUTION OF BEING THE WAS THE CONTRIBUTION OF THE CONTRIB I LOCATONS OF RELOCATED RUAT MATERIA, ARE APPROMATED ON THE RAWINGS EXACT LOCATIONS OF RELOCATED RUAT MATERIAL MILE DE LARVING THE CAMARIES ON SIGNATURE OF SITTE is parametrical governous monotorios va a porcinea uniner carda servair to A respectivo de los designas governous de la parametrica de la composición del la comp VIRAZION BAULI NOTOTA ALI NECISSANO UTILITA CQUARMALS TORTY. ETRATO VILANDO PREMIONA TROUTO COLOGORIANI WENTALIANI OFICIALI UNCURSIALIZADO LES ALZO PREMIOSISTRATI CASA AND CONDIGUALE WITH CHARARI ELEGIZO EL VITAGA FRODE TO ANTALTADO DESENTICAS CONTRACTOR BOAL, TACA AGRACINE ALL PLANT MATERIAL TO BE RECORDED FOR CONTRACTOR BUAL, SIGET ASSIST AND COORDINATE DISSISTENCES WITH THE DOMER'S COORDIST FOR STATING FIELD DIGGING THE TREES. S. ALL PLANTERS AREAS, UALESS STHERWISE ROTED, SHALL RICLUDE THREE INCH. PLANTER OF MALSHAS REFER THE SKYCHUTTONS EXISTACT PRESS TO REMAIN WILMAN AREA SHALL RECTARE A MIXEO-RING. BIT (2) OUT THOM BEGING OF THUMA CHITO THE LIMIT OF THE ADJACENT LAW MILEOGRAPH OF THREE REGINS (3) AS FOR THE SPECIAL CARLONS. ANY SUBSTITUTCHOS IN SUE ANDCHI PLANT WATERIA, MAST RE AVERGAEDRY TA WARRE DEBOOMER IN WHITTEN ALL PANETS WELL WE EXERCIT TO ANYWOLVE, BY WARRE DESIGNEE ERESTREE PLANTING CAVITION MET LIST CHANTITIES AND PROVICED CONTRINSED DIALY BUTHE ENDING PROCEEDING ANY BATHE ENDING TO THE WATER PROCESS ANY BETWEEN SHALL BE RECLICED TO THE ATTENTION THE LANGUARY BETWEEN SHALL BETWEEN THE ATTENTION THE LANGUARY ALL BOCKGARDARE BARLAP BARLI, BE UNTBID AND PALLED COANT TO EXTORE TO TO SO THE PRESENCE AND CORPORATION COCKGEGALDER. ALL BERNELLA THE SOUTH BERNELLAND TO PARTEC CHARLES WALL BE TAKEN BOTT TO SEE HAN ON DISTURBENCED THAT OF TAKEN SOUTH. AND THE CONTRACT OF THE DESTRUCT OF THE DESTRU NOS SHALL DE GURRACEED TO ARRACOCO ONE (1) YERR AFTER POTACES AROS ENGLISE AND THREWING AT THE RECORDES AND THREWING AT THE COLAMANTEE FYRICO DIES RECITORS E. GURRACEE FOR SKALL GETAAS THE COMPACTOR SHALL BEAR ALL COSTS OF TESTING SOLS AMEROMENS FTC ASSOCIATED WITH THE WORK AND ACQUIDED IN THE SPECIFICATIONS. ALL PLANTS BNALCHE VARIGOD BY HIND PLANTS COUNTY COUNTY TO HIS TO HORIZON AND THE PLANTS OF HORIZON MAILTANT WET CHARLES AND BOT SYSTEM IMMEDIATILY METERS AND BOT Digitally signed by Ryan J King Ebrahimian 2 CONTRACTOR BHALL BAILLONGW EARTHANDRING MOODINGY KND EXISTED. PREDVIONS VERTICAL CLRIVES OR RECALONISY AT ALL TOR WAS BOTTOM OF SLOPE? DE REFER VIETNEED INCCT CORDER ALL ENVED ARREAD MUST PITTER TO THE TOTAL OF CONTRIBUTION OF CO as the Book of the forest south of the Profriction for the Annuardy as the Book of the Annuardy for the Cowers (REC 4465CAPE CATTOR RECEIVED for the Cowers (REC 4465CAPE CATTOR RECEIVED for the CATTOR AND THE ANNUARDY FOR THE ANNUARD FOR THE ANNUARDY FOR THE AN in a most control and a natural control and TO COMMENCE MAY EXCANDED WORK THE CONTRACTOR GALL.
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# IRRIGATION SCHEDULE OVERALL

SYMBOL	SYMBOL MANUFACTURERMODEL/DESCRIPTION	YTO	lSd.
80	Rain Brd 1806-PHS 15 Strip Sarles	21	98
151 LCS MCS CS1 151	Turf Spray 6.0" Pop-Up Sprinkler with Co-Moldad Wilper Seal, Side and Bottom lefert, 1/2" NPT Formale Threades lefer. Pressure Regulating.		
間~ 型= 約~ 辺o	Rain Bird 1806-PNS 8 Serves MPR Vis Sprey 6.1 Vipoluly Strenkler with Co-Midded Wiper Seal. Side and Bottem Heldt. 1/2* NPF Formalo Threspiced Info: Pressure Regulating.	98	30
edá	Rain Bird 1806-PRS 15 Sirp Series The Spay (or 1904-Up Sprinker with Codivided Wiper Seal, Sets and Bolton lefet, 1/2* NPT Formalo Threaded lefet, Pressure Regulating.	82	30
0 - 전 : 전 - 전 -	Rain Bird 1805-PRS 10 Series MPR 17 Strays 60: 100-byls Sterniser with Co-Molded Wiper Seal. Sets and Bottom lefel. 122 hPT Fernale Thrauced felet. Pressure Regulating.	<u>n</u>	8
	Rain Bud 1806-PRS 12 Series MPR Tris Streys (b. 1904-b) Sprinkler with Co-Moldsed Wiper Seal. Side and Boltom field. 132" NPT Female Threaded Inlet. Pressure Regulating.	sh e	30
E) = E) = E) =	Rain Bud 1804-PRS 15 Series MPR Virtue (or 1904-Up Sprinkler with Co-Molded Wiper Seal, Side and Bottom felet. 1/2* NPT Fernale Threaded Infox. Pressure Regularing.	\$	90
(2) ObsWK (3) 12-6-904	Rain Bird 1806-PRS ADJ Turf Spray 6.0° Pop-Lip Sprinkler with Co-Moldod Wiper Snal, 299 and Bornel Hold 112" NPT Fernale Threaded Inter. Proseure Regulating.	37	8
A 1402 1407 1404 MISS	Rain Bird 1804-1400 Flood Flood Bubblor 4" popup	22	9
SYMBOL	MANUFACTURERANDOELDESCRIPTION	AL O	
•	Rain Bird PEB Electric Remote Control Valve	0	
й	Matco-Norce 514TX 1/2"-4" Brass Gare Valve, Full Port, with Solid Wedge, IPS, Cross Handle, Same size as mainter pipe.	9	
(3)	Watts 007.2" reax, flow rate is 7.5 fbts.	7	
0	Rain Bird ESPRIXME4XMM with (01) ESPLXMSM4 20 Station Capade Consnercal Controller. Mounted on a Powder-Coated Metal Cabinei. Without flow sensing.	=	
8	Rain Bird RSD-8Ex Rain Sensor, with bracket, extension wire	-	
9	Water Meter 1-127 New 1.5" Mater & City Water	-	
	Integration Lateral Liter: Polyothydene and PrC Chase 160 Tolgelingwas 2017-or pin 1-12, from Pro Vice 10, 2018-160 Tolgelingwas 2017-or pin 1-12, from 10 Provision pipe sizes 3 vir and indoor eve indicated on the plan, with all others being 172 in sizes.	4,953 Lf.	
	Irrigation Maintine: Polyethylone and PVC Class 200	1,7541,5	
	Pipe Steven Up VC Schrade And VC Schrade Speakers as a shall also a shall be shown as a shall be shall	1,1211.	
	Volve Collay!		

## VALVE SCHEDULE\_OVERALL

NUMBER	MODEL	SIZE	TYPE	CPM	WIRE	bSI	PSI @ POC
1	Rain Bird PEB	1-12	Turt Spray	35.52	-	36,41	48.98
2	Ram Bird PEB	1-1/2	Turf Spray	49.20		36.66	47.41
3	Rain Bird PEB	1-1/2	Turf Spray	51.16		36.44	49.91
4	Ram Bird PEB	1-17	Turf Spray	44.26		36.22	49.58
2	Rain Bird PEB	1-1/2"	Turf Spray	36.76		36,12	49.25
	Rain Bird PEB	1-177	Turt Spray	28.67		36,39	46.60
4	Rain Bird PEB	1-172	Turf Spray	42.41		36,12	53,93
60	Rain Bird PEB	1-1/2-	Turf Spray	39,94		35.07	53.52
o.	Rain Bird PEB	4.	Bubbler	9.00		44.06	47.97
10	Rain Bird PEB		Bubbler	8.00		46.56	80.34

WATERING SCHEDULE\_OVERALL

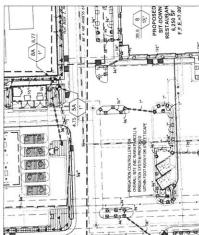
151 mh 151 mh 105 mh 1172 mh 1172 mh 1170 mh 110 mh 110 mh 128 mh 7.68 mh

### CRITICAL ANALYSIS\_OVERALL

GAL,WEEK 1421 1421 1.739 1.549 1.549 1.549 1.577 2.417 7.2 64 15.714

P.C.C. NUMBER OF	
Water Source Information:	Now 1.5" Meter & City Wa
FLOW AVAILABLE	
Water Meter Size:	1-12
Flow Available:	53.92 gpm
PRESSURE AVAILABLE	
Static Pressure at POC:	60.00 pai
Elevation Change:	1.50 A
Service Line Size:	*
Langth of Service Line:	50,00 ft
Pressure Avadable.	58.00 ps
DESIGN AMALYSIS	
Maximum Station Flow:	51.16 apm
Flow Available at POC:	53,92 gpm
Residual Flow Available:	2.76 gpm
Critical Station	1
Design Pressure:	30,00 psi
Friction Loss:	2.36 psi
Prelings Loss.	0.24 psi
Elevation Loss:	0,00 pel
Loss Syrough Valve:	3.52 psi
Pressure Req. at Critical Station.	36.12 psi
Loss for Fittings:	0.78 psi
Loss for Man Line:	7.77 psi
Loss for POC to Valve Elevation.	0,00 ps
Loss for Backflow.	5.60 psi
Loss for Water Meler	3,66 psi
Critical Station Pressure at POC.	53.93 psi

### DN: e-US, o-aleanTrust ACES Unaffillated ACES Unaffillated Individual, cn=Ryan J King Ebrahimian, 0.92342.19200300.100. 7 1.1=A01097C0000015D 9A8E01A0000134C8 Date: 2018.12.06 10:33:11 -05'00' Digitally signed by Ryan J King Ebrahimian DN: c=US, o=IdenTrust



FDOT LANDSCAPE PERMIT NUMBER: 2018-L-491-014

VAVVA'S IRRICATION SYSTEM SHALL BE COMPLETELY INDEPENDENT FROM THE OVERALL DEVELOPMENT IRRICATION SYSTEM, AS SHOWN NOTE: NO IRRIGATION EQUIPMENT IN THE FDOT ROLOW IS TO BE CONNECTED TO THE IRRIGATION SYSTEM FOR THE WAWAW PARCEL; ALL IRRIGATION PROPOSED IN THE FDOT ROLOW IS SOURCED FROM THE PROPOSED 15" WATER METRE FOR THE OVERALL PROGERESSO COMMONS DEVELOPMENT













42.4 (7)

6 28.7 4

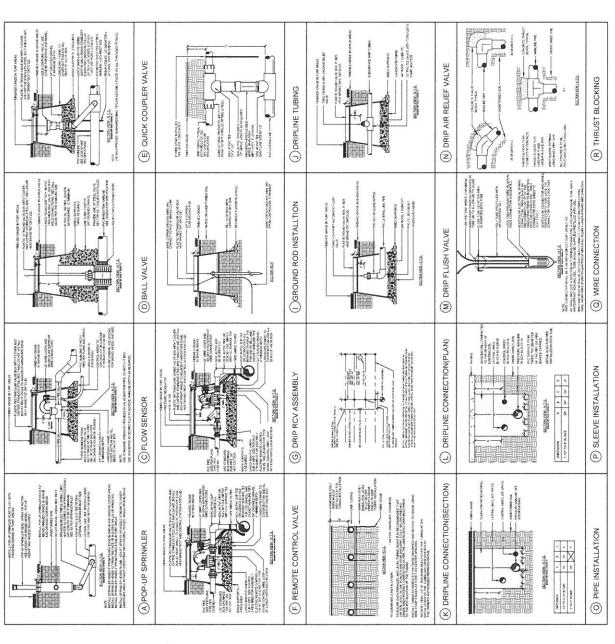
5 36.8

IRRIGATION CONTROLLER LOCATION

RIGATION SCHEDULE L-07

Exhibit 1

NOTE: THE IRRIGATION SCHEDULES ON THE SHEET ONLY APPLY TO THE OVERALL PROGRESSO COMMONS BENELOATION SYSTEM, & NOT TO THE WAWN, PARCEL IRRIGATION SYSTEM, SEE SHEET LOTA FOR WAWA IRRIGATION SCHEDULES





THOMAS

4300 NW 3157 AVE FORT LAUDERGALE, FL 333 PH. (#54) 202-7030 FX. (#54) 202-7030 WWW Thermal Figure emid Chronic

ANDREWS PROJECT DEVELOPMENT, LLC

PROGRESSO COMMONS

Digitally signed by Ryan J King Ebahiminan DN c-uls, Sedenfrost ACES Unaffiliated DN c-uls, Sedenfrost ACES Unaffiliated individual, cn-Ryan J King Ebrahimian. 90.3242, 19000001 oil. 1=60.1097C000 oil 1500 ACES (2015) 20000134CB Date 2018.1206 10.3335-9500

RRIGATION DETAILS

L-08

FDOT LANDSCAPE PERMIT NUMBER: 2018-L-491-014

Exhibit 1 Page 16 of 16