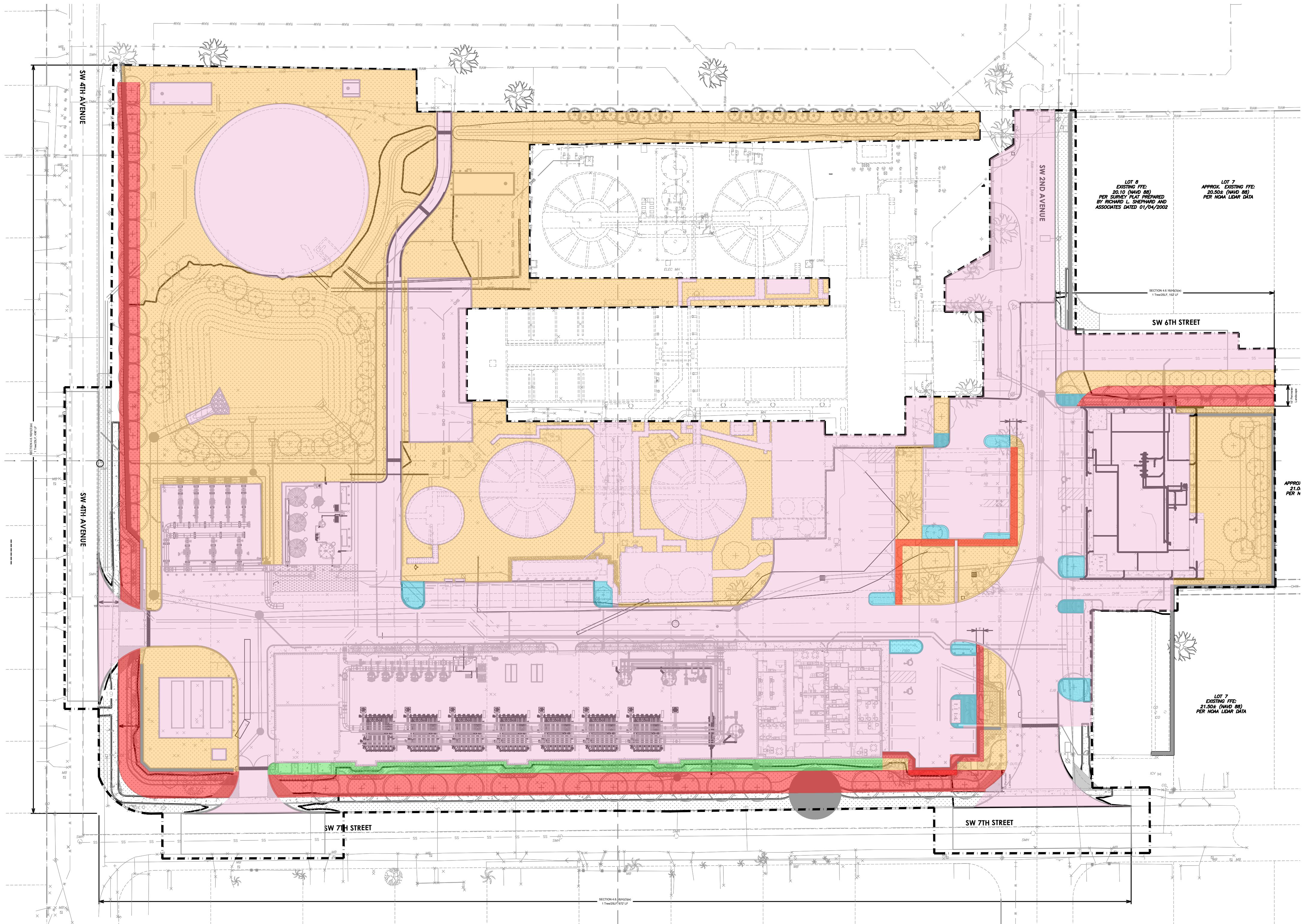


NOTE: EXISTING SITE FEATURES AND APPURTENANCES SUCH AS, BUT NOT LIMITED TO EXISTING CONTOUR LINES, VAULTS, PIPING, WELL LOCATIONS, ETC. ARE SHOWN AND LABELED ON THE LANDSCAPE PLANS FOR REFERENCE ONLY. REFER TO DEMOLITION AND CIVIL PLANS FOR DISPOSITION OF SITE FEATURES OTHER THAN LANDSCAPE MATERIALS.



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SECTION 4.6.16(D)(2)(D): ALL TREE(S) WHICH ARE TO BE PRESERVED UNDER THIS SECTION AND DO NOT SURVIVE SHALL BE REPLACED BY A TREE A MINIMUM OF 18 FEET IN HEIGHT WITH A TEN-FOOT SPREAD OF CANOPY.

ANY TREES OR SHRUBS PLACED WITHIN WATER, SEWER OR DRAINAGE ELEMENTS SHALL CONFORM TO THE CITY OF DELRAY BEACH STANDARD DETAILS: LD 1.0 & LD 2.0.

INDIVIDUAL TREES PLANTED IN LAWN AREAS SHALL BE MULCHED WITH A MINIMUM 3' DIAMETER MULCH RING PER LANDSCAPE NOTE 7.2.

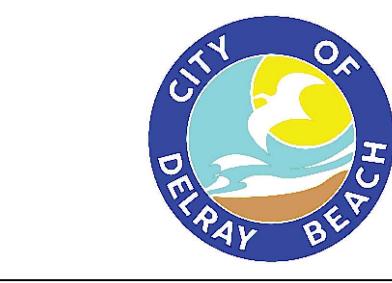
SECTION 4.6.16(E): PLANT SCHEDULE HAS BEEN CREATED FOLLOWING FLORIDA-FRIENDLY LANDSCAPE PRINCIPLES THROUGH THE SELECTION OF A MAJORITY OF FLORIDA NATIVE PLANTS.

PLAN
 1"=40'-0"

cma
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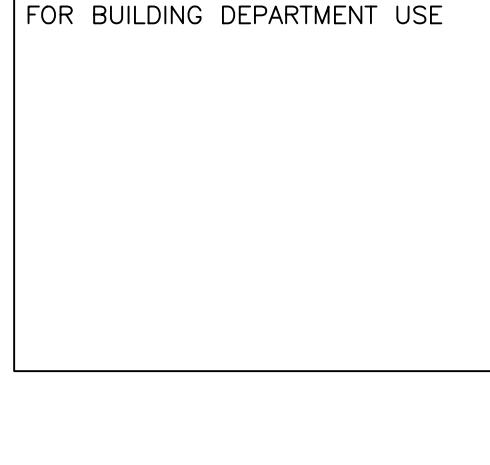
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 DELRAY BEACH
 MEMBRANE WATER TREATMENT PLANT

LANDSCAPE AREA CALCULATIONS



LEGEND

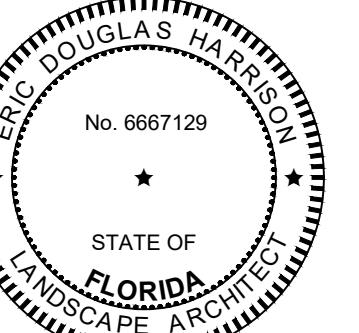
- Section 4.6.16 (H)(3)(a) - 5' Minimum landscape strip between the off-street parking area or other vehicular use area and the right-of-way.
- Section 4.6.16 (H)(3)(i) - One shade tree shall be planted in every island with a minimum of 75 square feet of shrubs and groundcovers.
- Section 4.6.16 (H)(4)(a) - Foundation landscaping shall be required. This shall incorporate trees, shrubs and groundcovers with the minimum required specifications as set forth in 4.6.16(E). Multiple tiers of plant material should be utilized and thoughtfully designed to accomplish the goal of softening the building mass while adding vibrant color and textures.
- Impervious area
- Pervious area

*NOTE:
 Refer to sheet L-10 for landscape calculations.

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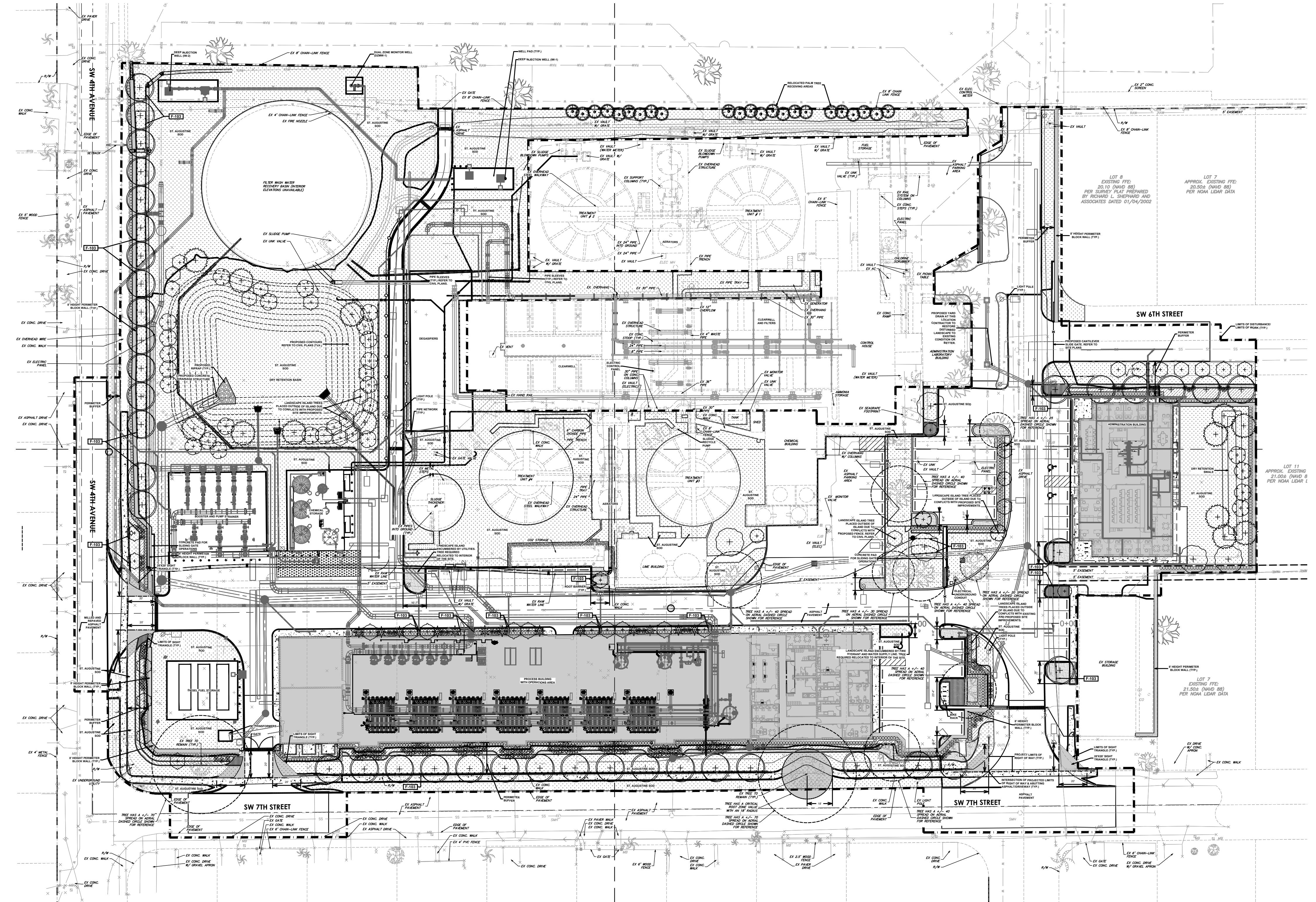
DATE:
 ERIC HARRISON
 LA NO. 6667129

PROJECT NO. 159676-291242
 FILE NAME: L-4.DWG

SHEET NO.

L-4

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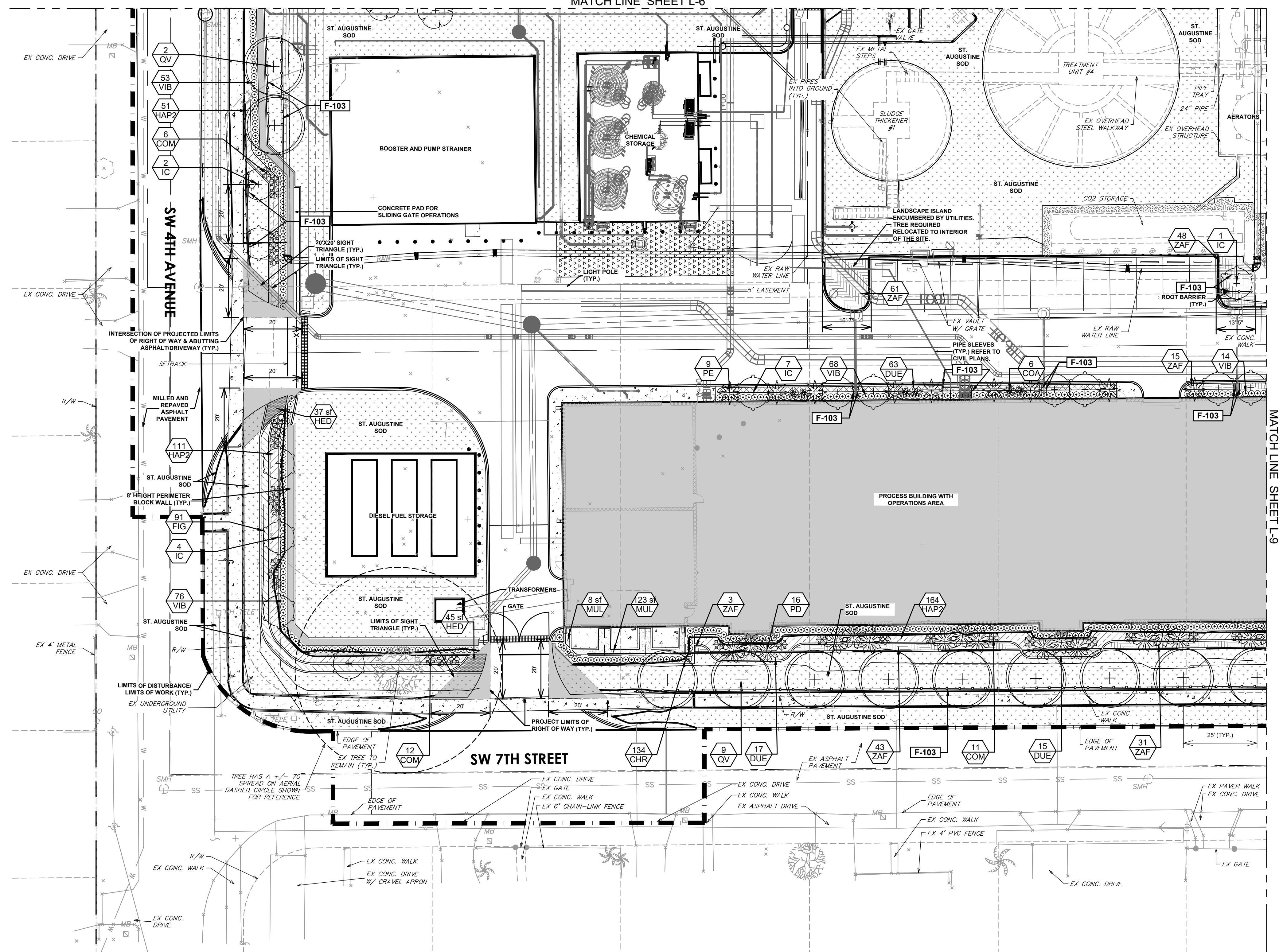
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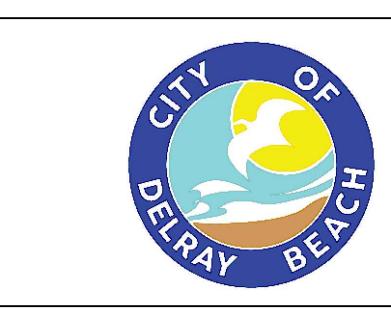
MATCH LINE SHEET L-6

PLAN
1"=40'-0"

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 Boca Raton, FL 33487
 Tel: (561) 571-3800
 APPROVED BY: EH
 DATE: AUGUST 2025

DESIGNED BY: AF/BB
 DRAWN BY: AF/BB
 SHEET CHK'D BY: EH
 CROSS CHK'D BY: JG
 APPROVED BY: EH
 DATE: AUGUST 2025

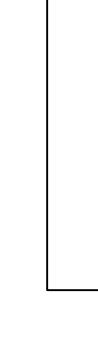
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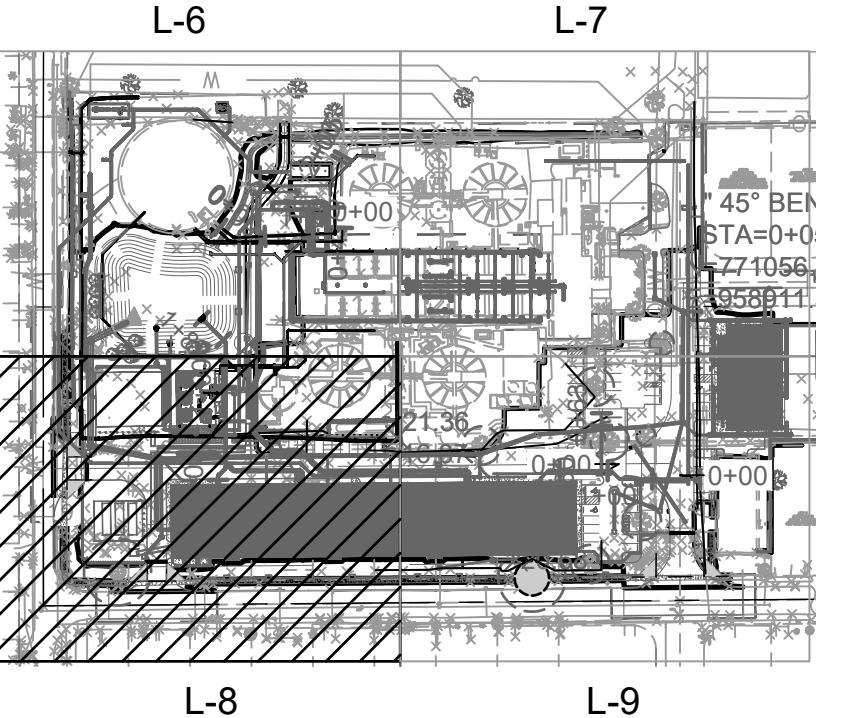
1" = 20'
 10 0 20

PLANT LEGEND

SYMBOL	CODE	COMMON NAME
+	TD	Bald Cypress
+	IC	Dahoon Holly
+	CD	Green Buttonwood
+	BS	Gumbo Limbo
+	QV	Live Oak 'Cathedral'
+	AG	Pond Apple
+	MR	Simpson's Stopper
+	PE	Alexander Palm
+	PD	Date Palm
SS-R		Cabbage Palmetto
COA		Aunlie Lou Ti Plant
VIB		Evergreen Sweet Viburnum
COM		Mommy Croton
CHR		Red Tip Coco Plum
HED		Firebush
DUE		Gold Mound Duranta
FIG		Green Island Ficus
ZAF		Dune Sunflower
MUL		Florida Coontie
SOD		MULCH
SOD		St. Augustine Grass

ROOT BARRIER SCHEDULE

SYMBOL	CODE	DESCRIPTION	QTY
	F-103	ROOT BARRIER	480 LF
	K-101	57 GRAVEL WITH WEED FABRIC	2.12 CY



KEY PLAN

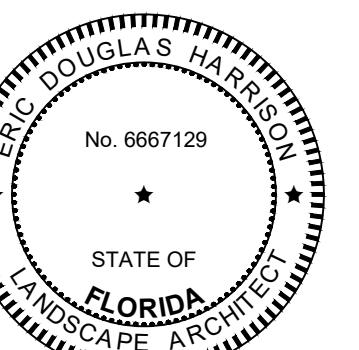
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 LA NO. 6667129

PROJECT NO. 159676-291242
 FILE NAME: L-8.DWG
 SHEET NO.
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PLANT SCHEDULE

SYMBOL	CODE	QTY	COMMON NAME	BOTANICAL NAME	CONT	SIZE	NATIVE
TREES							
	AG	24	POND APPLE	ANNONA GLABRA	SEE SIZE	8' OAH, 3" DBH, 4' SPRD	YES
	BS	5	GUMBO LIMBO	BURSERA SIMARUBA	SEE SIZE	16' OAH, 8' CT, 7' SPRD	YES
	CD	2	GREEN BUTTONWOOD	CONOCARPUS ERECTUS	SEE SIZE	8' OAH, 3" DBH, 4' SPRD	YES
	IC	41	DAHOON HOLLY	ILEX CASSINE	SEE SIZE	8' OAH, 3" DBH, 4' SPRD	YES
	MR	4	SIMPSON'S STOPPER	MYRICANTHES FRAGRANS	SEE SIZE	8' OAH, 3" DBH, 4' SPRD	YES
	QV	39	LIVE OAK 'CATHEDRAL'	QUERCUS VIRGINIANA	SEE SIZE	20' OAH, 8' CT, 7' SPRD	YES
	TD	13	BALD CYPRESS	TAXODIUM DISTICHUM	SEE SIZE	16' OAH, 8' CT, 7' SPRD	YES
PALMS							
	PD	24	DATE PALM	PHOENIX DACTYLIFERA	SEE SIZE	16' OAH, 8' CT	NO
	PE	13	ALEXANDER PALM	PTYCHOSPERMA ELEGANS	SEE SIZE	16' OAH, 8' CT	NO
RELOCATED PALMS							
	SS-R	23	CABBAGE PALMETTO	SABAL PALMETTO	RELOCATED		

SYMBOL	CODE	QTY	COMMON NAME	BOTANICAL NAME	CONT	SIZE	NATIVE	SPACING
SHRUBS								
	CHR	382	RED TIP COCO PLUM	CHRYSOBALANUS ICACO 'RED TIP'	SEE SIZE	5'-6" HT, FULL	YES	24" O.C.
	COM	52	MAMMY CROTON	CODIAEUM VARIEGATUM 'MAMMY'	SEE SIZE	3' HT, FULL	NO	48" O.C.
	COA	22	AUNTIE LOU TI PLANT	CORDYLINE FRUTICOSA 'AUNTIE LOU'	SEE SIZE	3' HT, FULL	NO	48" O.C.
	VIB	564	EVERGREEN SWEET VIBURNUM	VIBURNUM AWABUKI	SEE SIZE	5'-6" HT, FULL	NO	24" O.C.
SHRUB AREAS								
	DUE	109	GOLD MOUND DURANTA	DURANTA ERECTA 'GOLD MOUND'	SEE SIZE	24" HT, 12" SPR	NO	24" O.C.
	FIG	91	GREEN ISLAND FICUS	FICUS MICROCARPA 'GREEN ISLAND'	SEE SIZE	24" HT, 24" SPRD	NO	24" O.C.
	HAP2	835	FIREBUSH	HAMELIA PATENS	SEE SIZE	24" HT, 24" SPRD	YES	24" O.C.
GROUND COVERS								
	HED	594 SF	DUNE SUNFLOWER	HELIANTHUS DEBILIS	SEE SIZE	6" HT, 6" SPRD	YES	
	ZAF	788	FLORIDA COONTIE	ZAMIA FLORIDANA	SEE SIZE	18" HT, 18" SPRD	YES	
MULCH								
	MUL	178 SF	MULCH	MULCH	MULCH			
SOD								
	SOD	104,955 SF	ST. AUGUSTINE GRASS	STENOTAPHRUM SECUNDATUM	SOD			

TREE MITIGATION

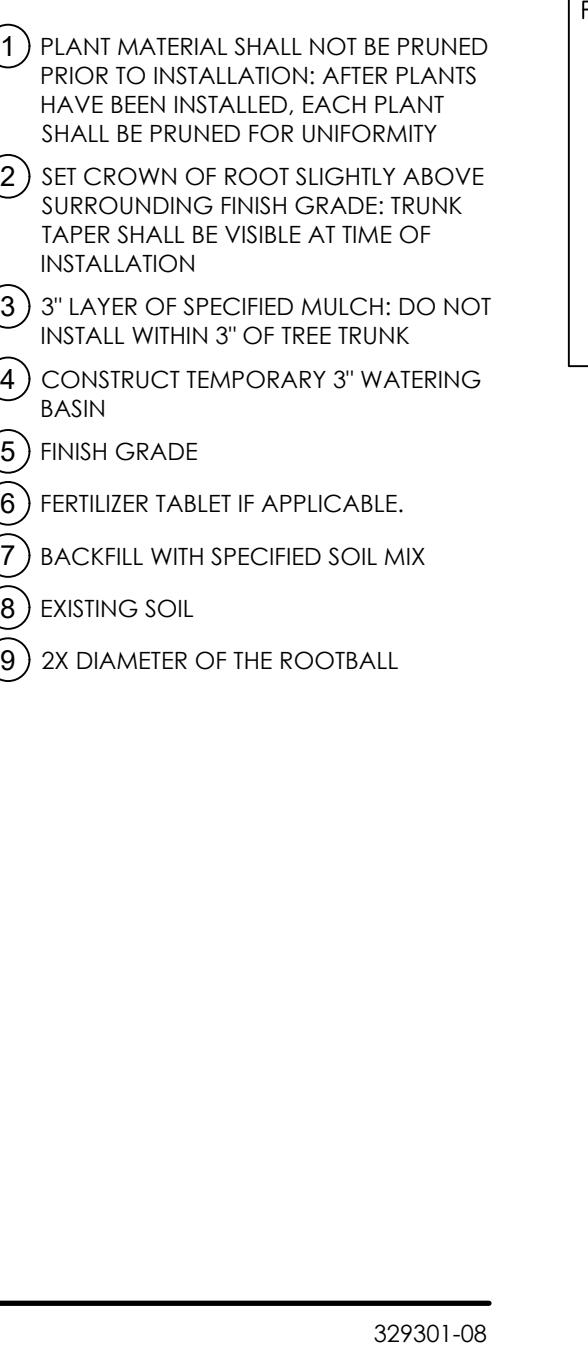
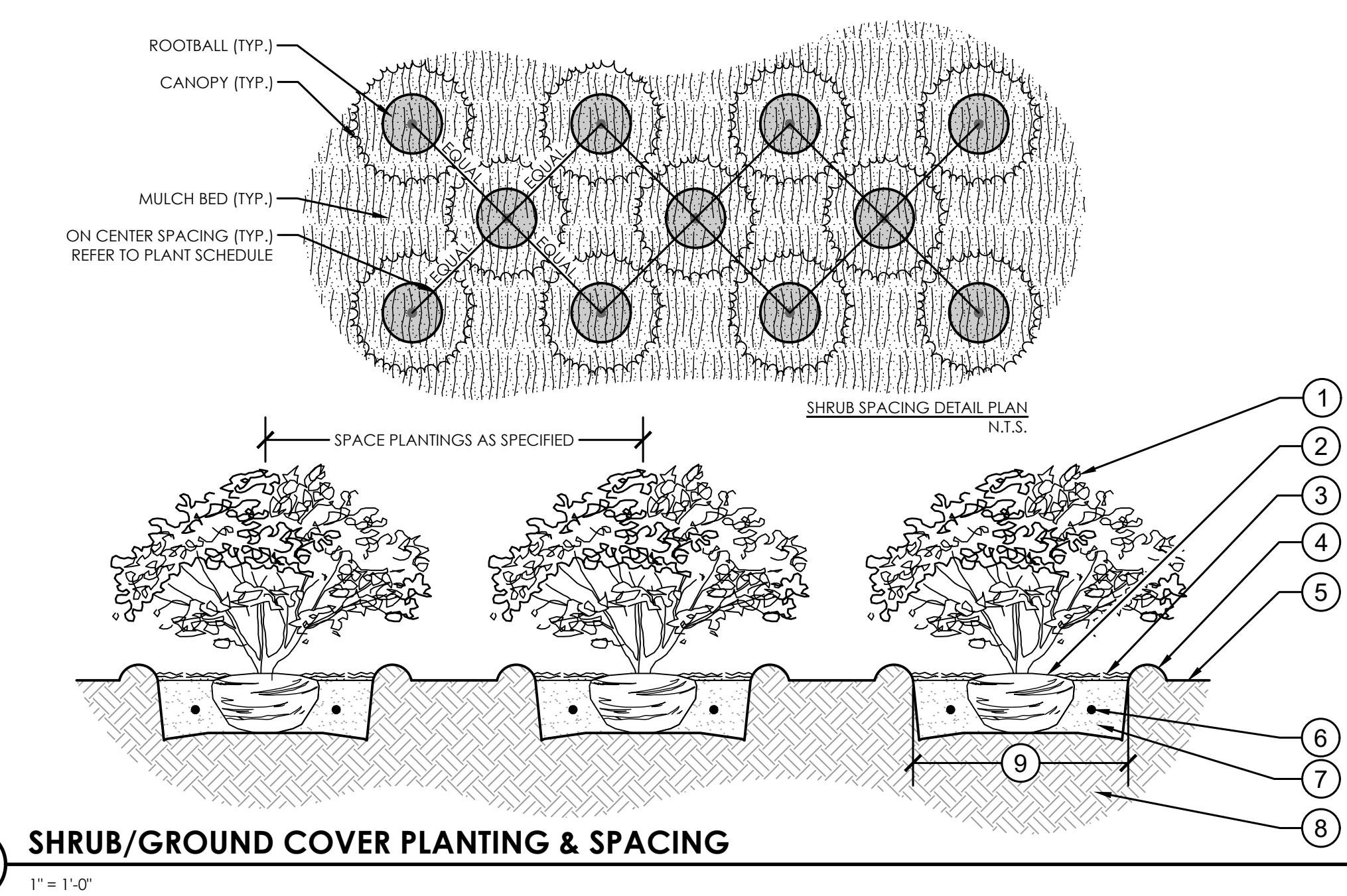
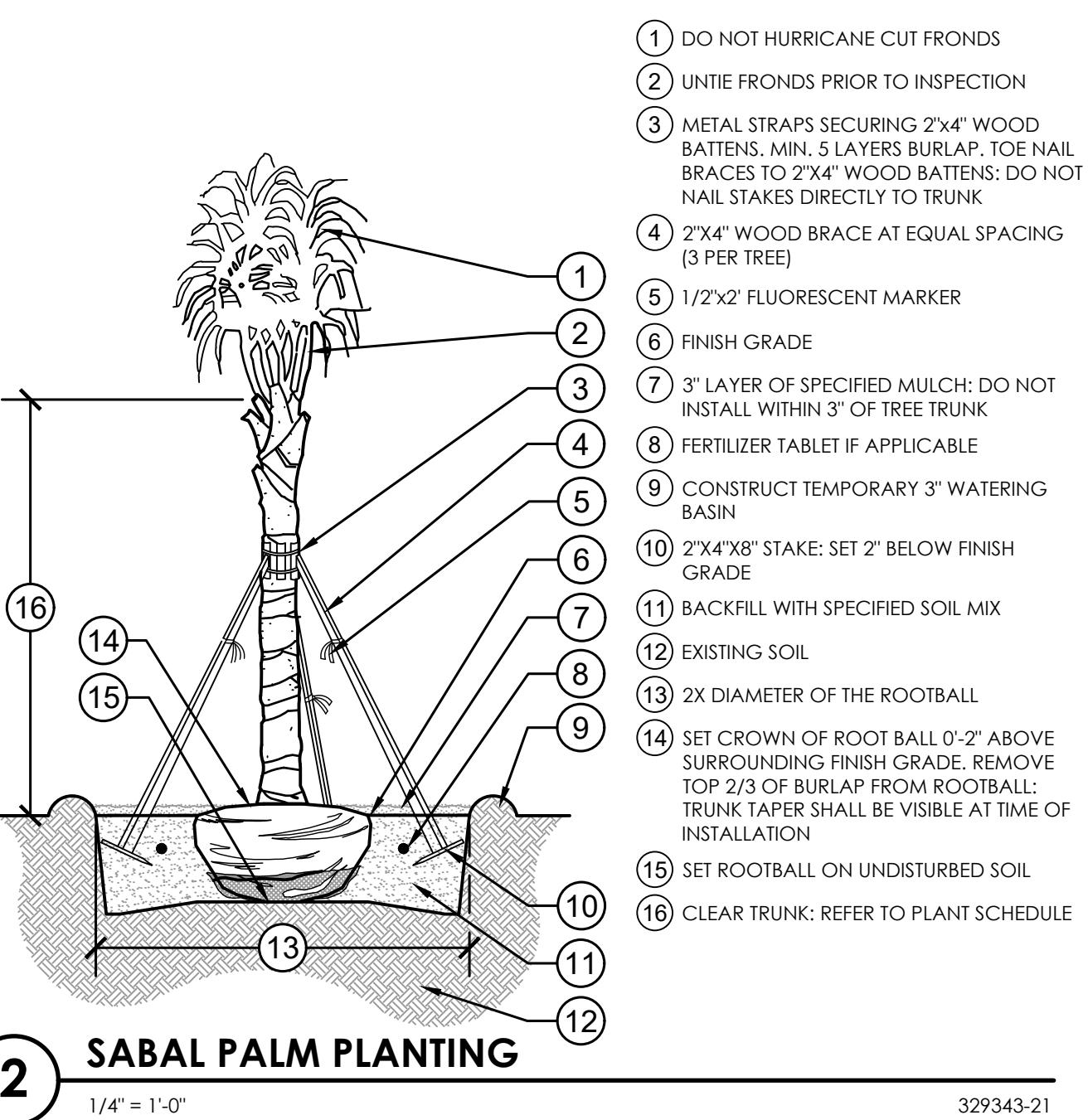
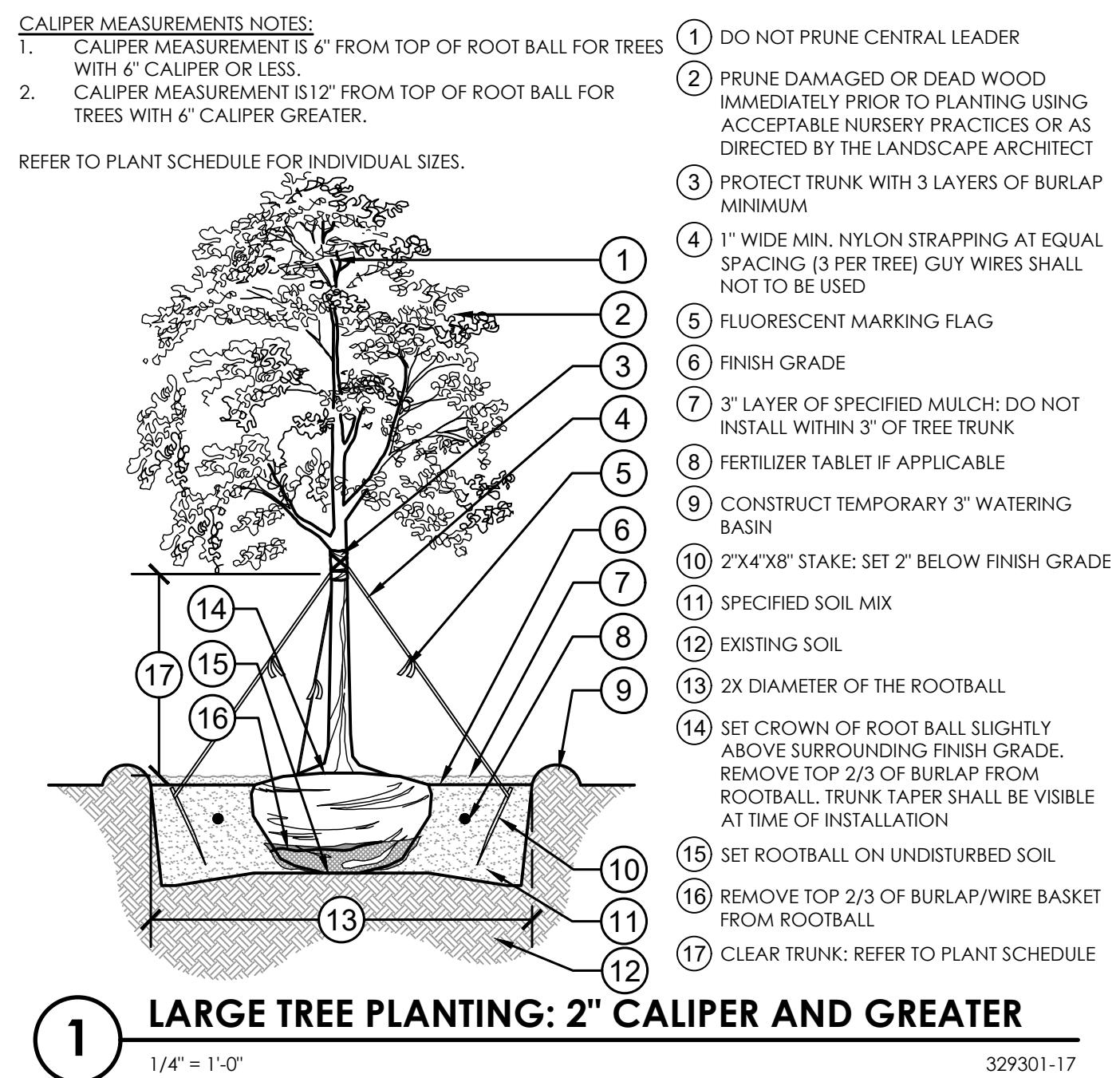
	CODE	QUANTITY	COMMON NAME	BOTANICAL NAME	DBH SIZE AT INSTALLATION	TOTAL DBH REPLACEMENT (IN)
TREES	TD	13	Bald Cypress	TAXODIUM DISTICHUM	5	65
	IC	41	Dahoon Holly	ILEX CASSINE	3	123
	CD	2	Green Buttonwood	CONOCARPUS ERECTUS	3	6
	BS	5	Gumbo Limbo	BURSERA SIMARUBA	5	25
	QV	39	Live Oak 'Cathedral'	QUERCUS VIRGINIANA	8	312
	AG	24	Pond Apple	ANNONA GLABRA	3	72
PALMS	MR	4	Simpson's Stopper	MYRICANTHES FRAGRANS	3	12
	PE	13	Alexander Palm	PTYCHOSPERMA ELEGANS		
	PD	24	Date Palm	PHOENIX DACTYLIFERA		
						TOTAL DBH PROPOSED
						615
						TOTAL DBH REMOVED
						489
						NET DIFFERENCE
						126
						TOTAL PALMS PROPOSED
						60
						TOTAL PALMS REMOVED
						7
						NET DIFFERENCE
						53
TOTAL PALM GROUPINGS OF THREE						8
NOTES						
Sec. 4.6.16.(E)(6) - Palm species that do not have a mature spread of crown of at least 15 feet shall be grouped in threes, and three palms shall equal one shade tree.						

LANDSCAPE CALCULATIONS

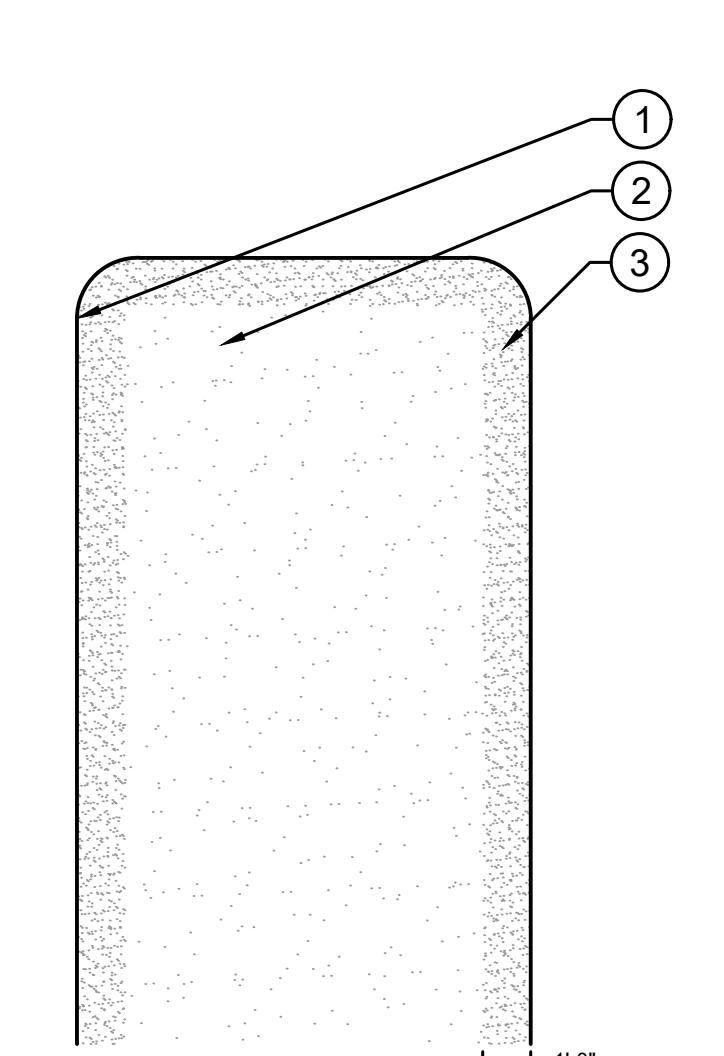
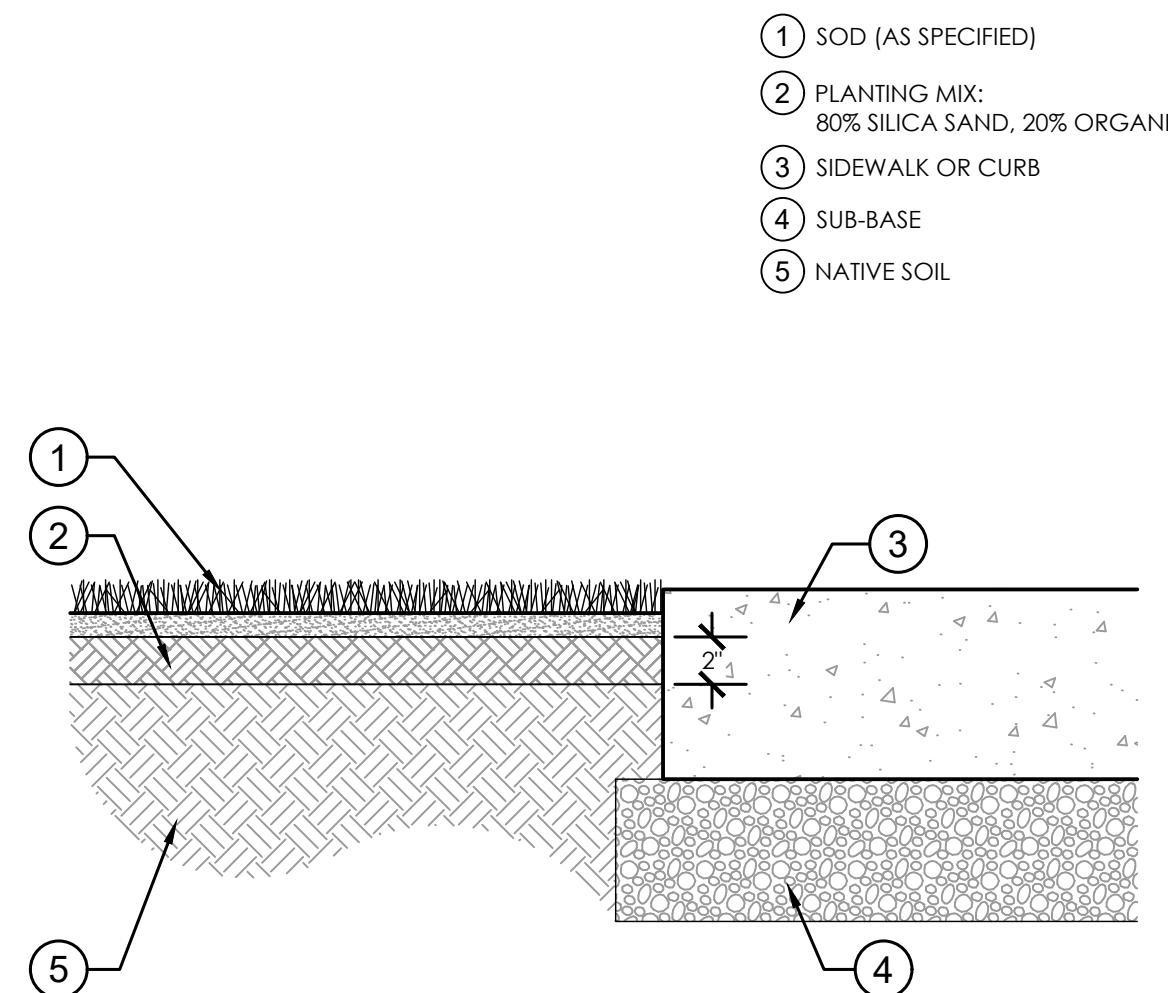
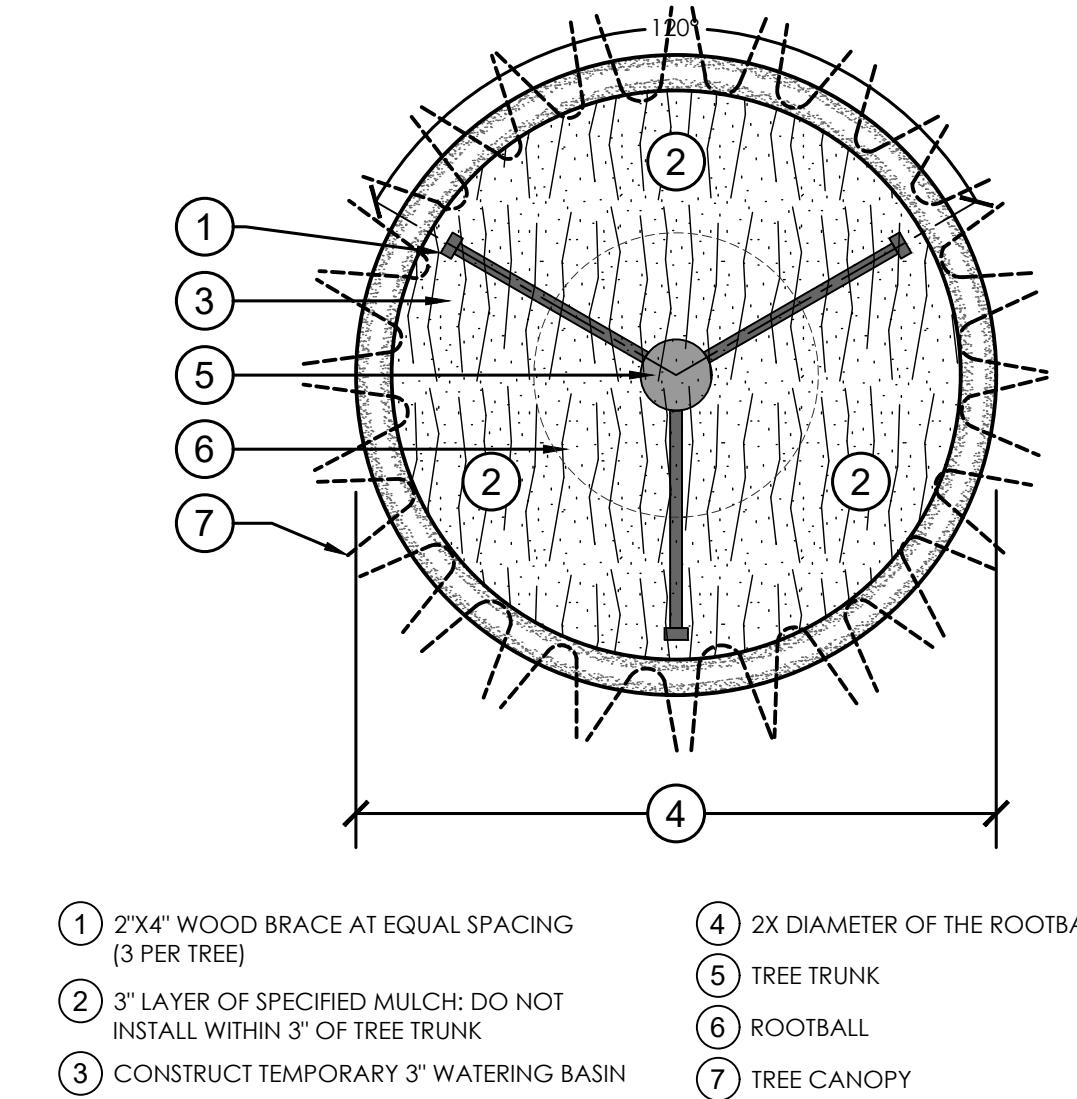
CODE SECTION	CODE APPLICATION	REQUIRED	PROPOSED	EXISTING	TOTAL	COMMENTS
Section 4.6.16 (H)(4)(a)	Foundation landscaping shall be required. This shall incorporate trees, shrubs and groundcovers with the minimum required specifications as set forth in 4.6.16(E). Multiple tiers of plant material should be utilized and thoughtfully designed to accomplish the goal of softening the building mass while adding vibrant color and textures.	12' to 25' Height, Spaced Per Table 2 Typical Foundation Trees and Spacing Requirements (LF of Foundation)	8 Palm Groupings (3 16' Palms per Grouping)		8 Palm Groupings (3 16' Palms per Grouping)	
SECTION 4.6.16(H)(3)(a)	A strip of land at least five feet in depth located between the off-street parking area or other vehicular use area and the right-of-way. A hedge, wall or other durable landscape area shall be placed along the interior perimeter of the landscape strip.	1 Tree/30LF + Continuous Hedge or Wall (LF of Screening)	47 Trees + Continuous Hedge	4 Trees	51 Trees + Continuous Hedge	
SECTION 4.6.16(H)(3)(e)	Where any commercial or industrial areas abut a residential zoning district or properties in residential use, in addition to requirements established for district boundary line separators in the zoning code, one tree shall be planted every 25 feet to form a solid tree line.	SW 7TH ST : 27 Trees SW 6TH ST : 6 Trees SW 4TH AVE : 20 Trees	17 Trees 5 Trees 20 Trees	3 Trees	20 Trees	Site constraints

NATIVE PLANT MATERIAL CALCULATIONS

	CODE	QUANTITY	COMMON NAME	NATIVE TOTAL	NON-NATIVE TOTAL	DROUGHT TOLERANCE
TREES						
	TD	13	Bald Cypress	13		High
	IC	41	Dahoon Holly	41		Moderate
	CD	2	Green Buttonwood	2		High
	BS	5	Gumbo Limbo	5		High
	QV	39	Live Oak 'Cathedral'	39		High
	AG	24	Pond Apple	24		Low
	MR	4	Simpson's Stopper	4		High
	PE	13	Alexander Palm		13	High
	PD	24	Date Palm		24	High
	SS-R	23	Cabbage Palm	23		High
						PERCENT NATIVE (50% REQUIRED)
						80%
SHRUBS & GROUND COVERS						
	COA	22	Auntie Lou Ti Plant	22		Low
	VIB	564	Evergreen Sweet Viburnum	564		Moderate
	COM	52	Mammy Croton	52		Low
	CHR	382	Red Tip Coco Plum	382		Moderate
	HAP2	835	Firebush	835		Moderate
	DUE	109	Gold Mound Duranta	109		High
	FIG	91	Green Island Ficus	91		High
	HED	594	Dune Sunflower	594		High
	ZAF	788	Florida Coontie	788		High
						PERCENT NATIVE (25% REQUIRED)
						76%
TOTAL NATIVE TREES						



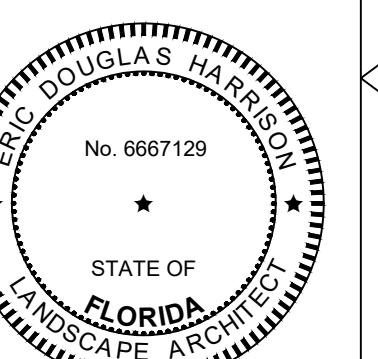
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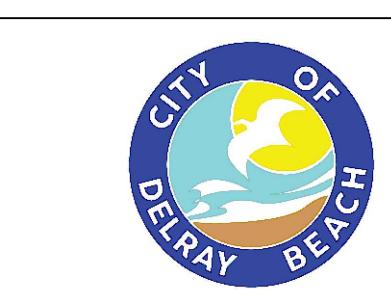
DATE:
ERIC HARRISON
LA NO. 6667129

DESIGNED BY:	AF/BB
DRAWN BY:	AF/BB
HEET CHKD BY:	EH
CROSS CHKD BY:	JG
APPROVED BY:	EH
DATE:	AUGUST 2025

REMARKS

CDM
Smith

621 N.W. 53rd St., Suite 265
Boca Raton, FL 33487
Tel: (561) 571-3800



cma
chen moore and associates

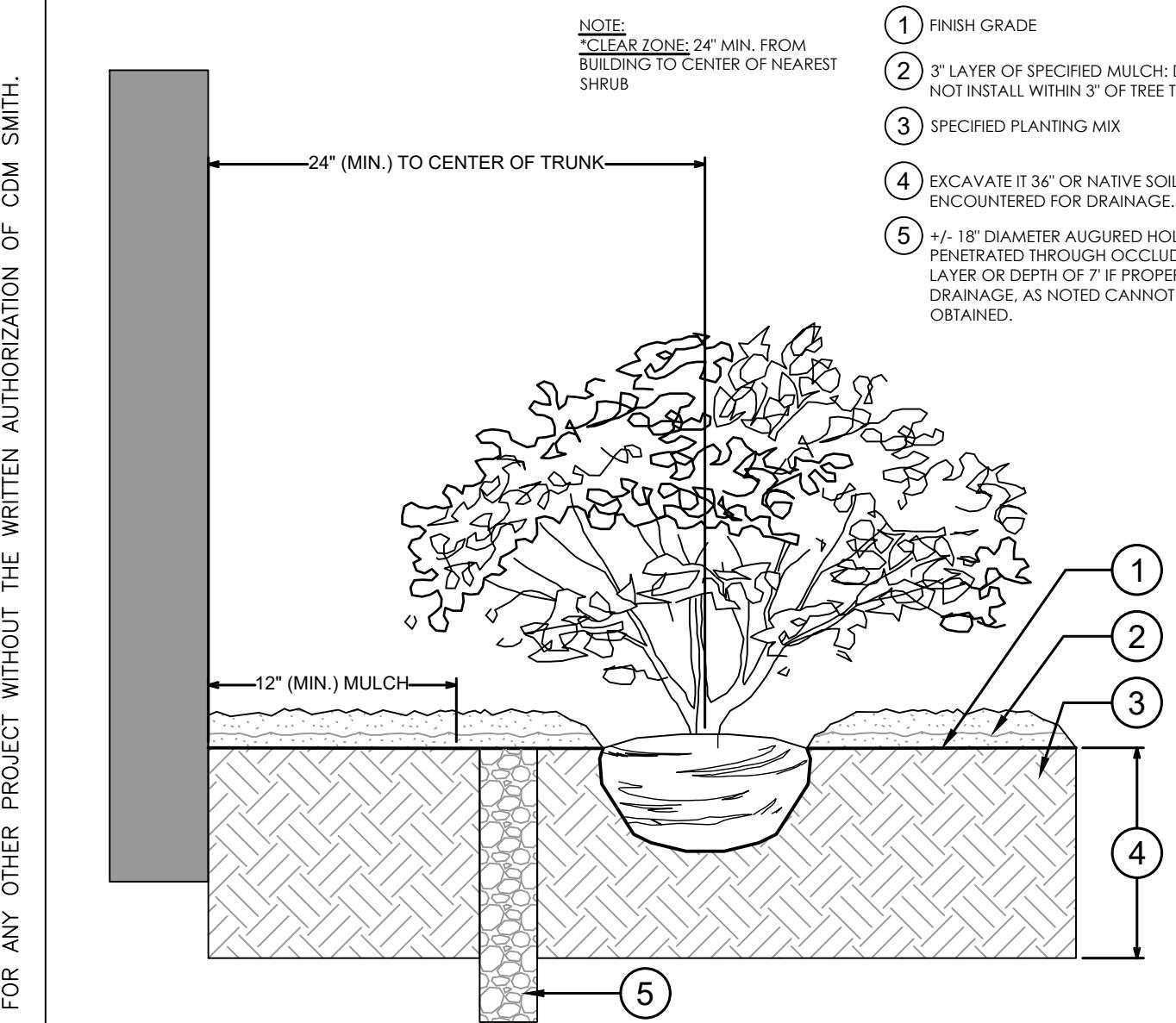
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DELRAY BEACH, FLORIDA
DELRAY BEACH
MEMBRANE WATER TREATMENT PLANT

LANDSCAPE DETAILS I

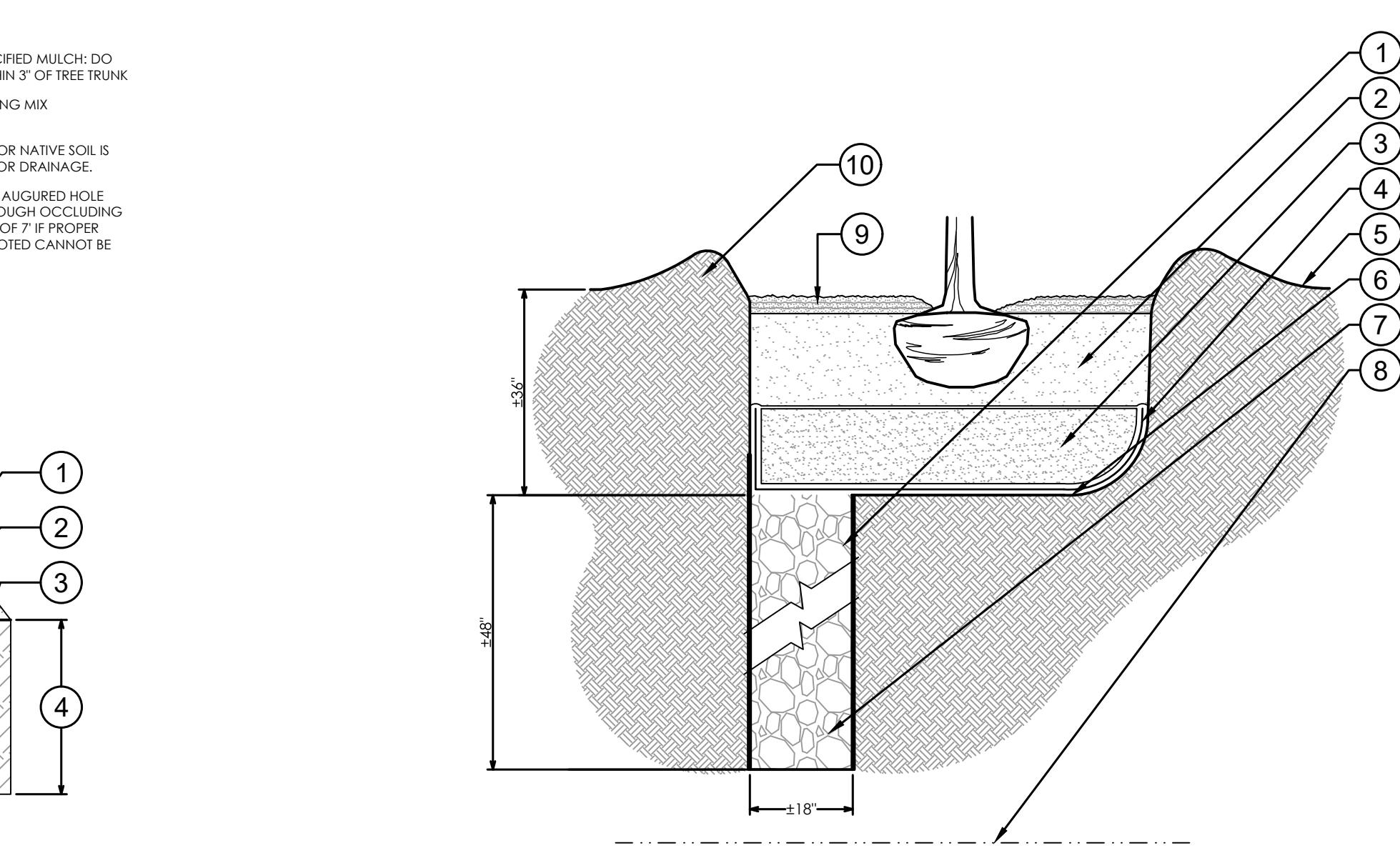
PROJECT NO. 159676-291242
FILE NAME: L-11.DWG
SHEET NO.
L-11

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1 PLANTINGS ADJACENT TO BUILDINGS

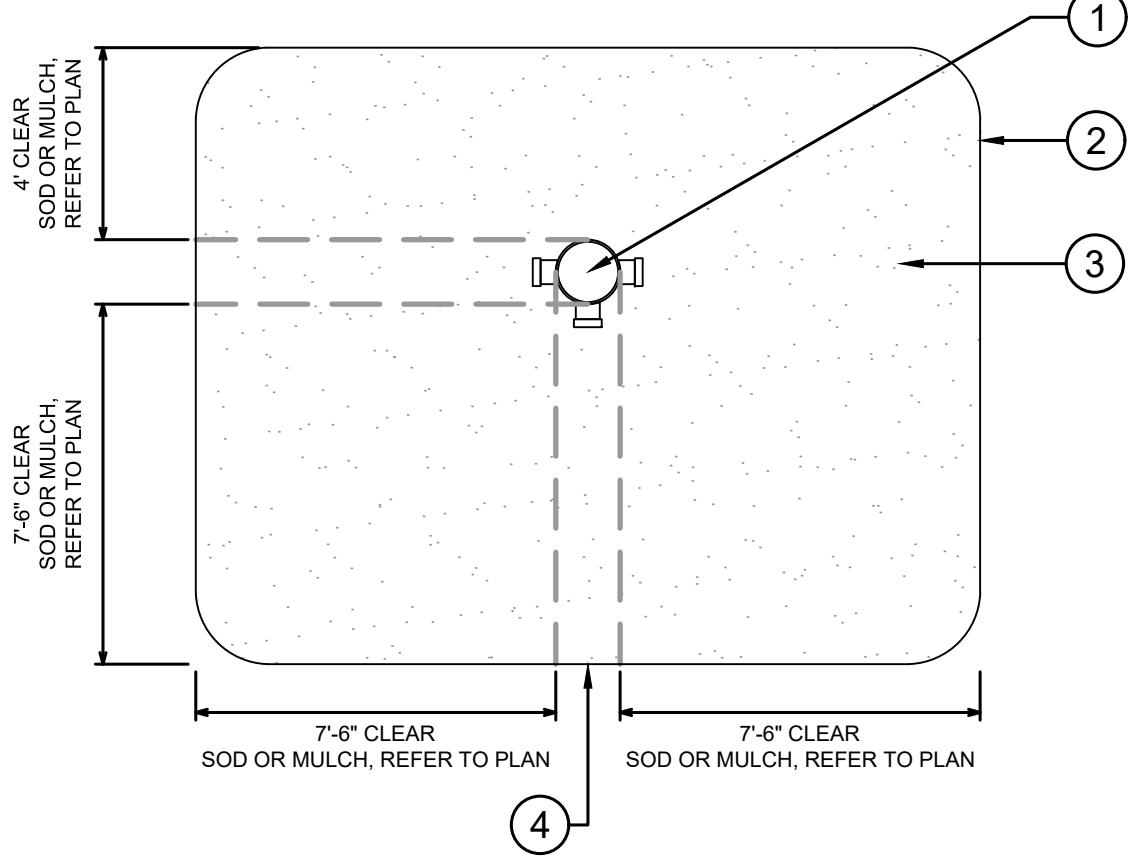
1 1/2" = 1'-0"



2 POOR DRAINAGE CONDITION

1 1/2" = 1'-0"

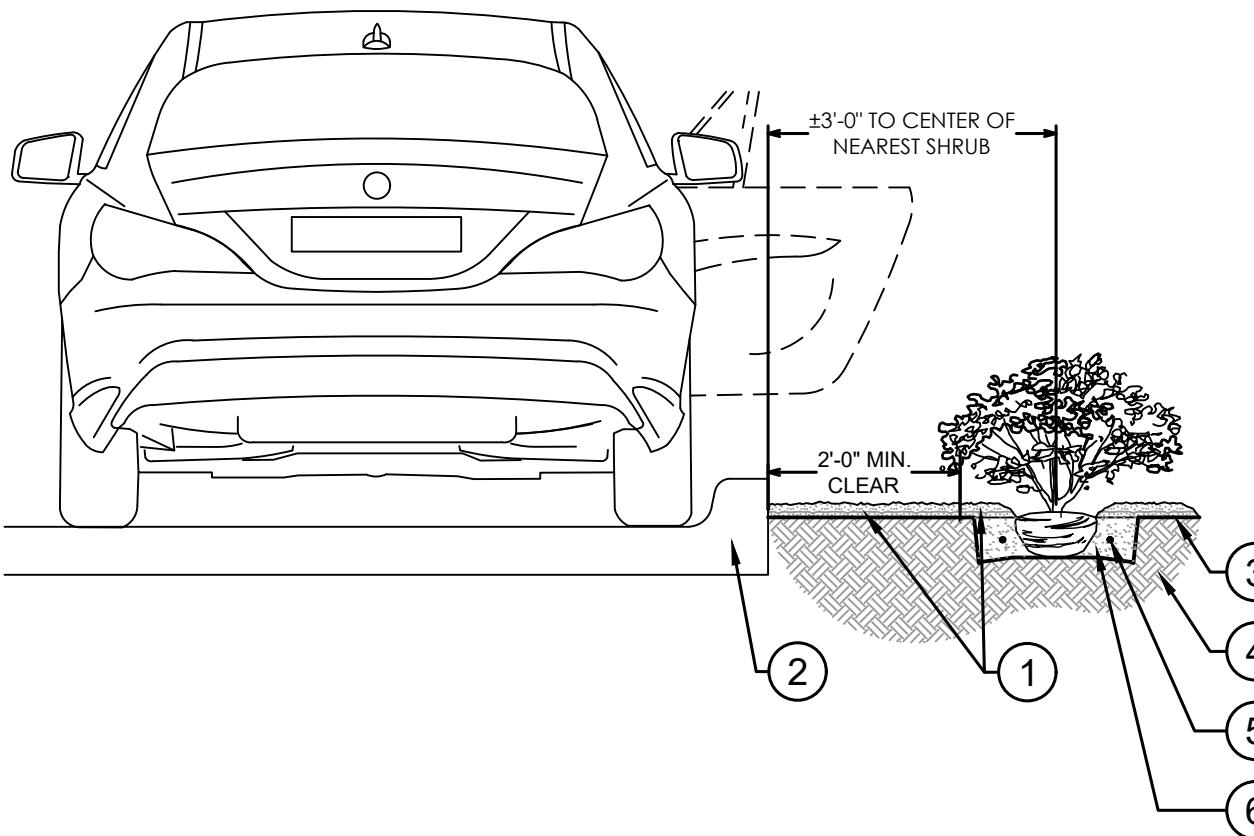
- 1 '+/- 18" DIA. AUGURED HOLE PENETRATED THROUGH OCCLUDING LAYER TO WATER TABLE OR TO A DEPTH OF 7' TO ASSURE PROPER PERCOLATION
- 2 BACKFILL WITH PREPARED PLANTING SOIL MIX AS SPECIFIED
- 3 12" CLEAN SAND, COMPAKTED
- 4 FILTER CLOTH #4, MIRAFI 500X OR BETTER
- 5 FINISH GRADE
- 6 SLOPE BOTTOM TO DRAIN
- 7 BACKFILL WITH #57 STONE WRAPPED WITH FILTER FABRIC
- 8 WATER TABLE
- 9 3" LAYER OF SPECIFIED MULCH; DO NOT INSTALL WITHIN 3' OF TREE TRUNK
- 10 EXISTING SOIL



3 FIRE HYDRANT CLEAR ZONE

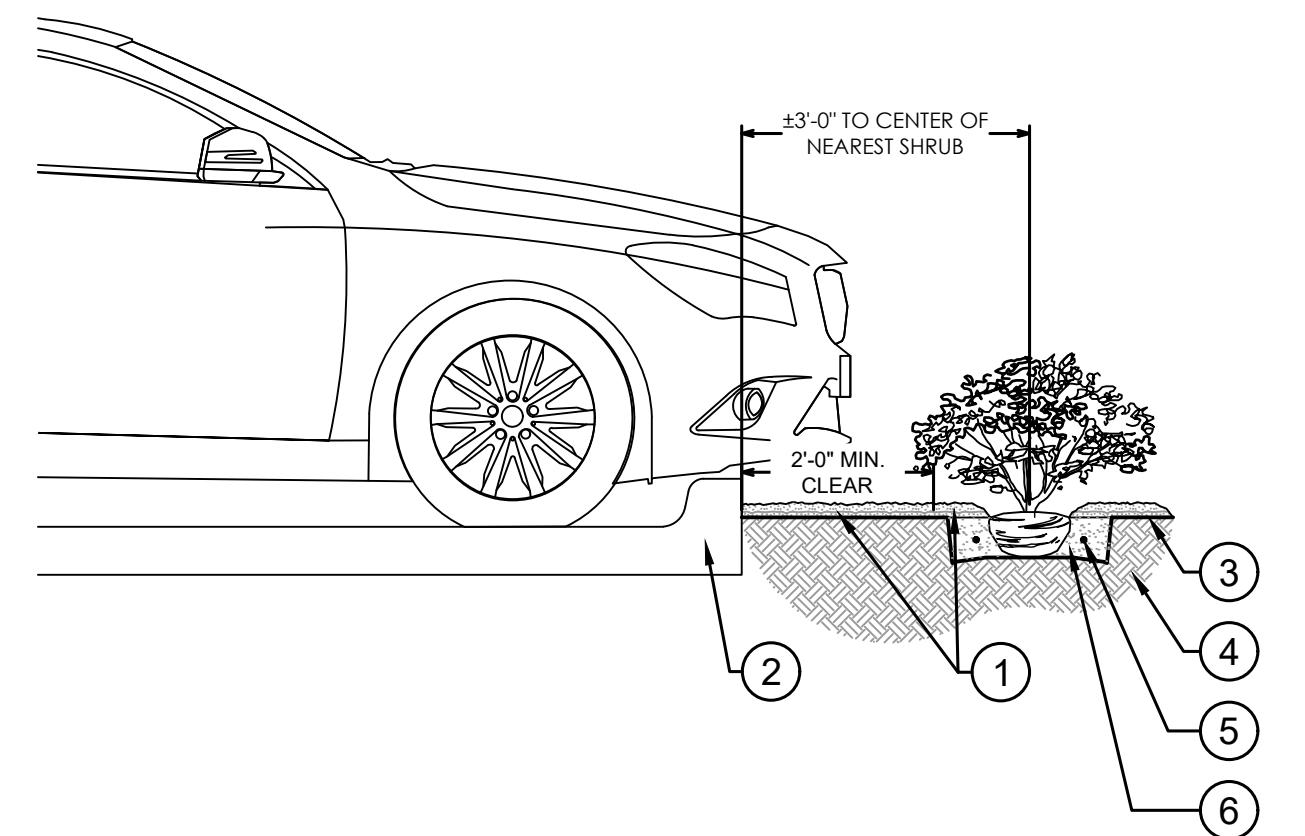
1 1/4" = 1'-0"

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4 PARKING SPACE/ CURB PLANTING

1/2" = 1'-0"

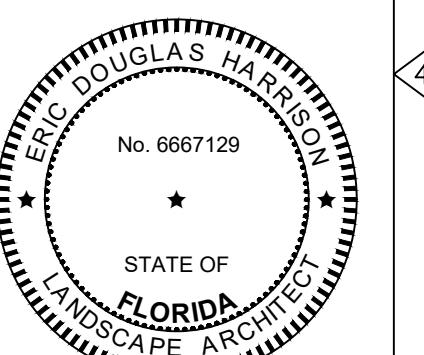


P-DE-09

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 ERIC HARRISON
 LA NO. 6667129

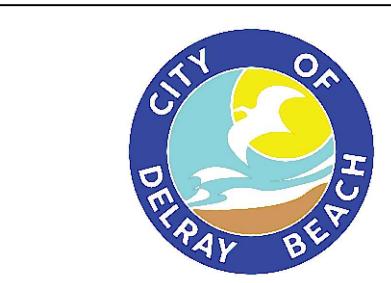
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 FILE NAME: L-12.DWG
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DELRAY BEACH, FLORIDA
 DELRAY BEACH
 MEMBRANE WATER TREATMENT PLANT

LANDSCAPE DETAILS II

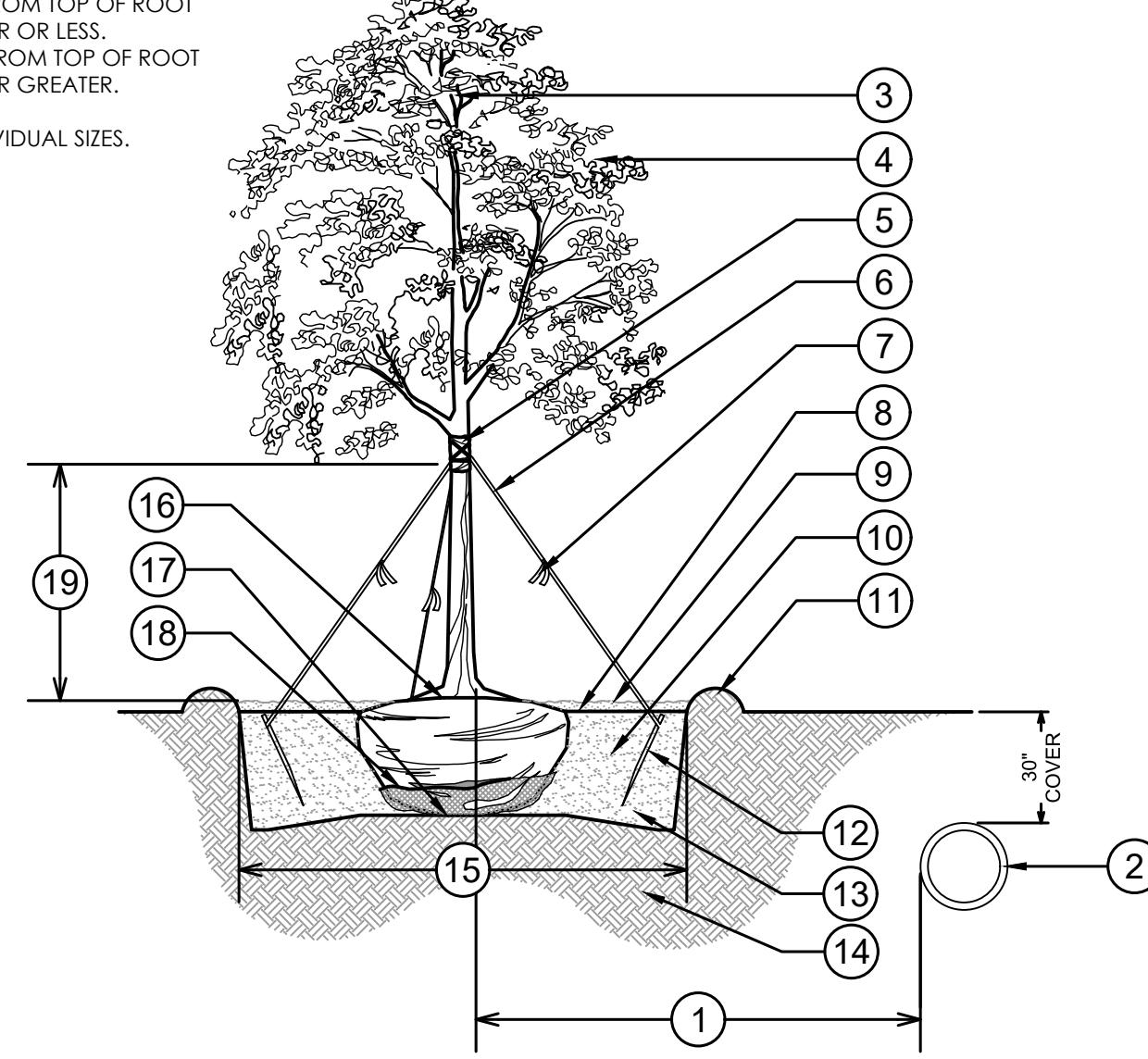
DESIGNED BY:	AF/BB
DRAWN BY:	AF/BB
HEET CHK'D BY:	EH
CROSS CHK'D BY:	JG
APPROVED BY:	EH
DATE:	AUGUST 2025
REV. NO.	
DATE	DRWN
CHKD	

REMARKS

ISSUED FOR PERMITTING

CALIPER MEASUREMENTS NOTES:
 1. CALIPER MEASUREMENT IS 6' FROM TOP OF ROOT BALL FOR TREES WITH 6" CALIPER OR LESS.
 2. CALIPER MEASUREMENT IS 12' FROM TOP OF ROOT BALL FOR TREES WITH 6" CALIPER GREATER.

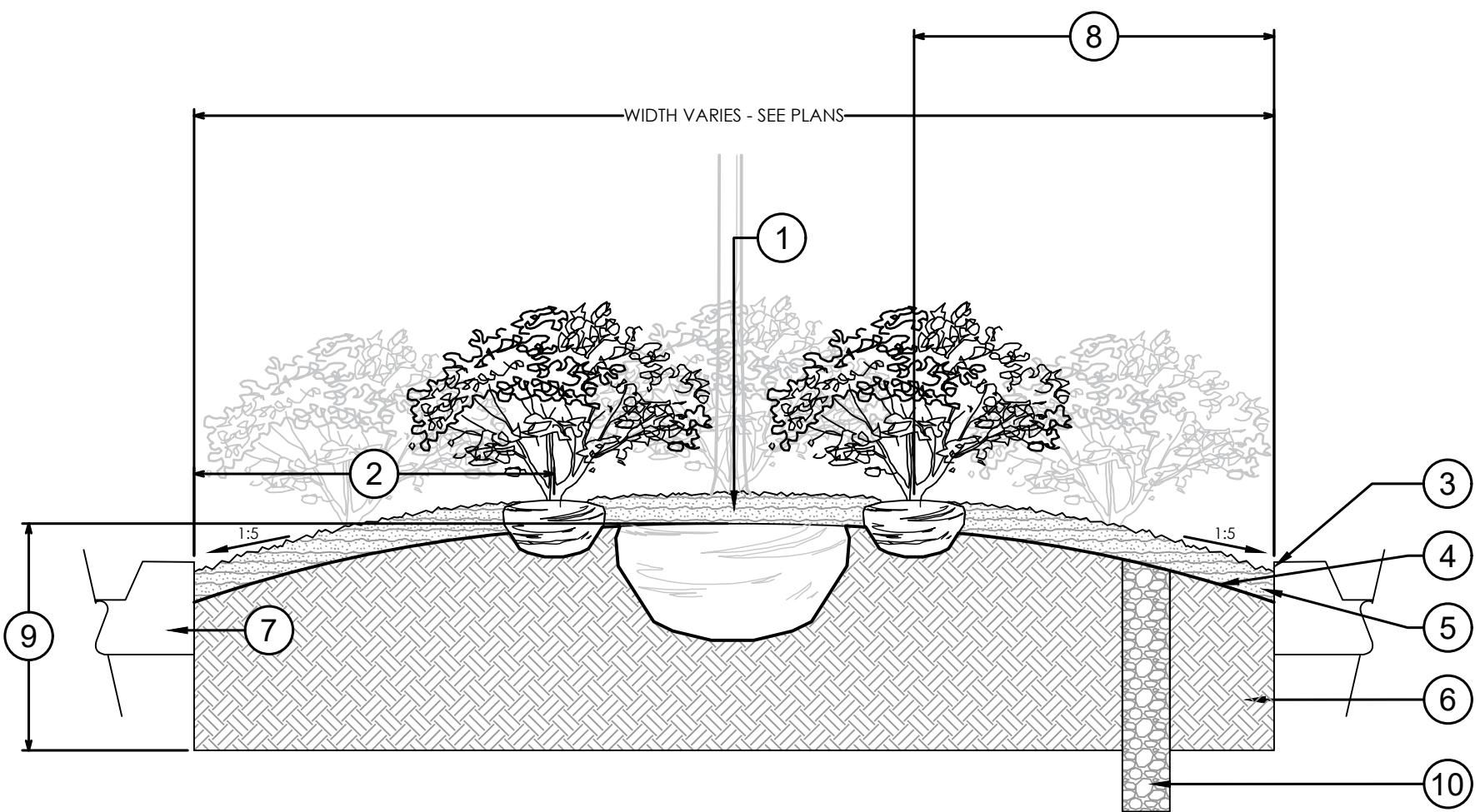
REFER TO PLANT SCHEDULE FOR INDIVIDUAL SIZES.



1 TYPICAL TREE WITHOUT ROOT BARRIER

1/4" = 1'-0"

- 1 THE DISTANCE SHALL BE 10' MIN. FROM ALL CITY FACILITIES IF NO ROOT BARRIER IS USED
- 2 CITY FACILITIES (MAINS, SERVICES, ETC.)
- 3 DO NOT PRUNE CENTRAL LEADER
- 4 PRUNE DAMAGED OR DEAD WOOD IMMEDIATELY PRIOR TO PLANTING USING ACCEPTABLE NURSERY PRACTICES OR AS DIRECTED BY THE LANDSCAPE ARCHITECT
- 5 PROTECT TRUNK WITH 3 LAYERS OF BURLAP MINIMUM
- 6 1" WIDE MIN. NYLON STRAPPING AT EQUAL SPACING (3 PER TREE)
GUY WIRES SHALL NOT BE USED
- 7 FLUORESCENT MARKING FLAG
- 8 FINISH GRADE
- 9 3" LAYER OF SPECIFIED MULCH: DO NOT INSTALL WITHIN 3' OF TREE TRUNK
- 10 FERTILIZER TABLET IF APPLICABLE
- 11 CONSTRUCT TEMPORARY 3' WATERING BASIN
- 12 2"X4"X8" STAKE: SET 2' BELOW FINISH GRADE
- 13 SPECIFIED SOIL MIX
- 14 EXISTING SOIL
- 15 2X DIAMETER OF THE ROOTBALL
- 16 SET CROWN OF ROOT BALL SLIGHTLY ABOVE SURROUNDING FINISH GRADE. REMOVE TOP 2/3 OF BURLAP FROM ROOTBALL. TRUNK TAPER SHALL BE VISIBLE AT TIME OF INSTALLATION
- 17 SET ROOTBALL ON UNDISTURBED SOIL
- 18 REMOVE TOP 2/3 OF BURLAP/WIRE BASKET FROM ROOTBALL
- 19 CLEAR TRUNK: REFER TO PLANT SCHEDULE



2 MOUNDED PARKING LOT ISLANDS/ MEDIAN

P-DE-05

3/4" = 1'-0"

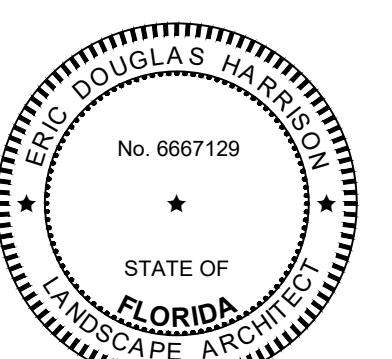
- 1 CROWN ISLANDS AT 5:1 SLOPES (OR AS SPECIFIED ON THE LANDSCAPE PLANS).
- 2 CLEAR ZONE SHALL CONTAIN 3' CONTINUOUS MULCH OR TURF. SEE PLANS. SEE DETAIL 'PARKING SPACE/ CURB PLANTING FOR PLANTER MEDIAN ADJACENT TO PARKING SPACES.'
- 3 1" MIN. VERTICAL CLEARANCE, TOP OF CURB TO TOP OF MULCH, EXCAVATE CONTINUOUS 36" DEEP (FROM TOP OF CURB) FOR ENTIRE WIDTH OF ISLAND AND BACKFILL WITH APPROVED PLANTING MIX.
 - PROTECT AND RETAIN ALL CURBS AND BASE, COMPACTED SUBGRADE TO REMAIN FOR STRUCTURAL SUPPORT OF CURB SYSTEM (TYP).
 - ALL ISLANDS SHALL UTILIZE POOR DRAINAGE DETAIL WHEN PERCOLATION RATES ARE 2' PER HOUR OR LESS.
- 4 FINISH GRADE
- 5 3" LAYER OF SPECIFIED MULCH: DO NOT INSTALL WITHIN 3' OF TREE TRUNK
- 6 SPECIFIED PLANTING MIX
- 7 CURB REFER TO PLANS
- 8 INSTALL HALF THE DISTANCE OF SPECIFIED SIZE. REFER TO PLANT SCHEDULE UNLESS OTHERWISE NOTED.
- 9 EXCAVATE IT 36" OR NATIVE SOIL IS ENCOUNTERED FOR DRAINAGE.
- 10 1/4" DIAMETER AUGERED HOLE PENETRATED THROUGH OBLIQUE LAYER OR DEPTH OF 7' IF PROPER DRAINAGE AS NOTED CANNOT BE OBTAINED.

P-DE-03

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DATE:
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 LA NO. 6667129

PROJECT NO. 159676-291242
 FILE NAME: L-13.DWG
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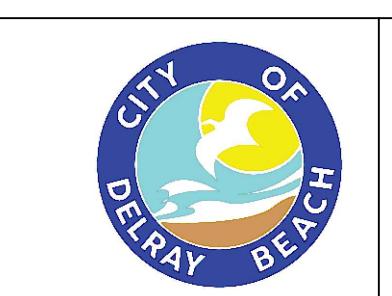
L-13

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DELRAY BEACH, FLORIDA
 DELRAY BEACH
 MEMBRANE WATER TREATMENT PLANT

LANDSCAPE DETAILS III

DESIGNED BY:	AF/BB
DRAWN BY:	AF/BB
HEET CHK'D BY:	EH
CROSS CHK'D BY:	JG
APPROVED BY:	EH
DATE:	AUGUST 2025
REV. NO.	DRWN CHKD
REMARKS	

ISSUED FOR PERMITTING

LANDSCAPE SPECIFICATIONS

1. GENERAL

1.1. WORK PERFORMED SHALL COMPLY WITH THE FOLLOWING:

1.1.1. THESE GENERAL NOTES, CONSTRUCTION DOCUMENTS AND SPECIFICATIONS.

1.1.2. ALL APPLICABLE LOCAL, STATE AND FEDERAL CODES, ORDINANCES AND REGULATIONS.

1.2. SOURCE OF BASE INFORMATION IS PROVIDED BY CDM SMITH AND IS ASSUMED TO BE CORRECT. IF SITE DISCREPANCIES ARE PRESENT, CONTRACTOR SHALL NOTIFY OWNER'S REPRESENTATIVE IMMEDIATELY. IF CONTRACTOR CONTINUES WORK WITHOUT THE PROPER NOTIFICATION, CONTRACTOR DOES SO AT HIS OWN RISK.

1.3. THE CONTRACTOR SHALL FURNISH ALL MATERIALS, LABOR, SUPERVISION, AND EQUIPMENT REQUIRED FOR THE WORK AS SHOWN ON THE CONSTRUCTION DOCUMENTS DESCRIBED HEREIN.

1.4. CONTRACTOR SHALL BE RESPONSIBLE FOR ANY COORDINATION WITH SUB-CONTRACTORS AS REQUIRED TO COMPLETE THE WORK OF THIS PROJECT.

1.5. CONTRACTOR SHALL VERIFY LOCATIONS OF PERTINENT SITE IMPROVEMENTS INSTALLED UNDER OTHER CONTRACTS. IF ANY PART OF THIS PLAN CANNOT BE FOLLOWED DUE TO SITE CONDITIONS, CONTACT OWNER'S REPRESENTATIVE FOR INSTRUCTIONS PRIOR TO COMMENCING WORK.

1.6. CONTRACTOR TO NOTIFY "SUNSHINE STATE ONE CALL OF FLORIDA, INC." AT 1-800-432-4770 TWO FULL BUSINESS DAYS PRIOR TO DIGGING FOR UNDERGROUND UTILITY LOCATIONS.

1.7. CONTRACTOR IS RESPONSIBLE FOR DETERMINING ALL UTILITY LOCATIONS AND INSTALLING FACILITIES SO AS TO NOT CONFLICT, THE LOCATION OF EXISTING UTILITIES OR SITE FEATURES AS SHOWN ON THE PLANS MAY VARY IN RELATION TO ACTUAL EXISTING CONDITIONS. ANY DIFFERING SITE CONDITIONS FROM THAT WHICH IS REPRESENTED HEREON, WHETHER ABOVE, ON OR BELOW THE SURFACE OF THE GROUND, SHOULD BE BROUGHT TO THE IMMEDIATE ATTENTION OF THE LANDSCAPE ARCHITECT AND THE OWNER IN WRITING. NO CLAIM FOR EXPENSES INCURRED BY THE CONTRACTOR DUE TO DIFFERING SITE CONDITIONS WILL BE ALLOWED IF THE CONTRACTOR FAILS TO PROVIDE THE REQUIRED WRITTEN NOTIFICATION OF SUCH CONDITIONS FOR REVIEW BY THE LANDSCAPE ARCHITECT AND THE OWNER.

1.8. CONTRACTOR SHALL NOTIFY ALL APPROPRIATE UTILITY COMPANIES OF PROPOSED START OF WORK IN ACCORDANCE WITH THEIR STANDARD REQUIREMENTS, INCLUDING BUT NOT LIMITED TO, WATER, SANITARY SEWER, POWER, NATURAL GAS, TELEPHONE AND CABLE TV COMPANIES.

1.9. IT SHALL BE THE CONTRACTOR'S SOLE RESPONSIBILITY TO TAKE THE NECESSARY PRECAUTIONS TO ENSURE PROPER SAFETY AND WORKMANSHIP WHEN WORKING IN THE VICINITY OF EXISTING UTILITY LINES.

1.10. PERFORM EXCAVATION IN THE VICINITY OF UNDERGROUND UTILITIES WITH CARE AND BY HAND, IF NECESSARY. THE CONTRACTOR BEARS FULL RESPONSIBILITY FOR THIS WORK AND DISRUPTION OF DAMAGE TO UTILITIES SHALL BE REPAIRED IMMEDIATELY AND AT NO EXPENSE TO THE OWNER.

1.11. THE SUCCESSFUL BIDDER 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.

1.12. IT IS THE RESPONSIBILITY OF THE CONTRACTOR TO ENSURE THAT ALL REQUIRED PERMITS ARE OBTAINED AND ARE IN HAND AT THE JOB SITE PRIOR TO THE COMMENCEMENT OF CONSTRUCTION. CONTRACTOR SHALL ABIDE BY ALL PERMIT CONDITIONS.

2. PRE-CONSTRUCTION RESPONSIBILITY

2.1. UPON RECEIPT OF NOTICE OF AWARD, THE CONTRACTOR SHALL ARRANGE A PRE-CONSTRUCTION CONFERENCE TO INCLUDE ALL INVOLVED GOVERNMENTAL AGENCIES, ALL AFFECTED UTILITY OWNERS, THE OWNER, THE LANDSCAPE ARCHITECT, ANY OTHER PERTINENT PARTIES AND HIMSELF.

2.2. CONTRACTOR SHALL PROVIDE TEMPORARY SANITARY FACILITIES ONSITE. LOCATION TO BE DETERMINED BY THE OWNER. JANITORIAL SERVICES SHALL BE PROVIDED BY CONTRACTOR THROUGHOUT THE DURATION OF PROJECT.

2.3. PRIOR TO BEGINNING CONSTRUCTION, THE CONTRACTOR SHALL VERIFY THE SIZE, LOCATION, ELEVATION, AND MATERIAL OF ALL EXISTING UTILITIES WITHIN THE AREA OF CONSTRUCTION.

2.4. IF UPON EXCAVATION, AN EXISTING UTILITY IS FOUND TO BE IN CONFLICT WITH THE PROPOSED CONSTRUCTION OR TO BE OF A SIZE OR MATERIAL DIFFERENT FROM THAT SHOWN ON THE PLANS; THE CONTRACTOR SHALL IMMEDIATELY NOTIFY THE LANDSCAPE ARCHITECT.

2.5. IT SHALL BE THE CONTRACTOR'S RESPONSIBILITY TO MAKE ARRANGEMENTS FOR THE FIELD LOCATIONS AND FOR ANY TREES PROPOSED FOR RELOCATION. THIS SHALL BE DONE IN A TIMELY MANNER TO MINIMIZE IMPACT ON CONSTRUCTION SCHEDULE. ANY DELAY CAUSED BY THE CONTRACTOR BY THE RELOCATION OF TREES SHALL BE INCIDENTAL TO THE CONTRACT AND NO EXTRA COMPENSATION WILL BE ALLOWED.

2.6. CONTRACTOR SHALL VERIFY LIMITS OF CONSTRUCTION AS NOTED ON THE PLANS. ANY WORK PERFORMED OUTSIDE OF THE AGREED UPON LIMITS OF CONSTRUCTION SHALL BE DONE AT THE EXPENSE OF THE CONTRACTOR.

3. SITE DEMOLITION

3.1. ITEMS SHALL REMAIN UNLESS OTHERWISE NOTED ON THE PLAN(S). REMOVE DESIGNATED ITEMS SHOWN ON THE PLAN TO THE FULL DEPTH OF THEIR CONSTRUCTION UNLESS OTHERWISE NOTED.

3.2. ALL Hardscape designated for removal shall be saw cut, leaving uniform edges to the greatest extent possible. Material edges to remain shall be shored up and protected during construction to preserve edge intact. Repairs to damaged edges shall be repaired by contractor at no additional cost to the owner.

3.3. NO EXISTING MATERIAL SHALL BE USED IN NEW CONSTRUCTION UNLESS NOTED ON THE PLANS OR APPROVED DURING THE SHOP DRAWING APPROVAL PROCESS.

3.4. SALVAGE EXISTING MATERIALS AS INDICATED ON THE PLANS. SALVAGED MATERIALS SHALL BE HANDLED WITH CARE AND STORED ON-SITE OR AS DIRECTED BY OWNER. CLEAN ALL DEBRIS AND CONSTRUCTION MATERIAL FROM SALVAGED ITEMS; REUSE AS DIRECTED BY OWNER'S REPRESENTATIVE.

3.5. REMOVE DEMOLISHED MATERIALS FROM SITE AND DISPOSE OF AS REQUIRED BY LOCAL, STATE OR FEDERAL LAWS.

3.6. CONTRACTOR SHALL PROTECT ADJACENT WATER BODIES, COASTAL DUNE SYSTEMS AND PROPERTIES FROM DAMAGE BY SEDIMENTATION OR OTHER POTENTIAL CONSTRUCTION RELATED CAUSES.

3.7. ALL IRRIGATION IN DEMOLITION AREA TO BE CAPPED AND ADJUSTED AS NECESSARY TO ENSURE OVERALL SYSTEM IS NOT Affected.

4. PLANTING SOIL

4.1. ALL TREES SHALL BE PLANTED WITH A MINIMUM OF 12" TOPSOIL AROUND AND BEHIND THE ROOTBALL.

4.2. ALL TREES SHALL BE PLANTED WITH A MINIMUM OF 6" TOPSOIL AROUND AND BEHIND THE ROOTBALL.

4.3. MINIMUM TOPSOIL SHALL BE 2" FOR SODDED GRASS AREAS.

4.4. PLANTING SOIL MIX SHALL BE A WEED FREE MIX AS FOLLOWS:

4.4.1. DICOT TREES & SHRUBS: 50% SAND, 40% MUCK & 10% PEAT

4.4.2. MONOCOT PALMS: 70% SAND & 30% MUCK

4.4.3. TURF: 80% SAND, 10% PEAT & 10% MUCK

5. LANDSCAPE PLANTING

5.1. THIS PLAN HAS BEEN DESIGNED TO MEET OR EXCEED ALL APPLICABLE CODES.

5.2. THE PLANTING PLAN SHALL BE INSTALLED IN COMPLIANCE WITH ALL EXISTING CODES AND APPLICABLE DEED RESTRICTIONS.

5.3. PLANT MATERIAL: ALL PLANT MATERIAL SHALL BE FLORIDA #1 OR BETTER AS ESTABLISHED BY "GRADES AND STANDARDS FOR NURSERY PLANTS" OF THE STATE OF FLORIDA, DEPARTMENT OF AGRICULTURE.

5.4. ALL PLANT MATERIAL SHALL BE TRUE TO THE BOTANICAL NAME, GENUS, SPECIES AND/OR HYBRID DESIGNATION.

5.5. ALL TREES, SHRUBS AND GROUNDCOVERS SHALL BE OF THE SIZES (HEIGHT & SPREAD) AS SPECIFIED IN THE PLANT LIST. CONTAINER SIZE IS FOR REFERENCE PURPOSES ONLY. ALL PLANT MATERIAL SHALL MEET OR EXCEED THE MINIMUM SIZES AT INSTALLATION, AS SPECIFIED IN THE PLANT LIST.

5.6. QUANTITIES LISTED ON 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.

5.7. WHERE THERE IS A DISCREPANCY EITHER IN QUANTITIES, PLANT NAMES, SIZES OR SPECIFICATIONS BETWEEN THE PLAN OR PLANT LIST, THE PLAN TAKES PRECEDENCE.

5.8. 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 OWNER AND/OR GOVERNING MUNICIPALITY.

5.9. CONTRACTOR SHALL BE RESPONSIBLE FOR PROVIDING FINAL GRADING OF ALL ASSOCIATED PLANTING AREAS.

5.10. AFTER FINAL GRADE, LANDSCAPE AREAS ARE TO BE RAKED TO A DEPTH OF 6". ALL ROCK AND FOREIGN INORGANIC MATERIALS SHALL BE REMOVED AND DISPOSED OF PROPERLY OFF-SITE.

5.11. ALL PLANTING HOLES TO BE HAND DUG EXCEPT WHERE MACHINE DUG HOLES WILL NOT ADVERSELY AFFECT EXISTING TREES, DAMAGE UTILITIES OR OTHER IMPROVEMENTS.

5.12. ALL PLANTING BEDS IN OPEN AREAS AND AROUND BUILDING FOUNDATIONS SHALL BE EXCAVATED TO A DEPTH OF TWENTY-FOUR INCHES (24") AND BACK FILLED WITH SOIL MIX AS SPECIFIED IN SECTION 5.00. PLANTING BED SHALL BE FREE FROM ROCK, CONSTRUCTION DEBRIS OR OTHER EXTRANEous MATERIAL.

5.13. ALL PLANTING BEDS IN MEDIANs, Hardscape AREAS OR AREAS ENCOMPASSED BY IMPERVIOUS MATERIAL SHALL BE EXCAVATED TO A DEPTH OF THIRTY-SIX INCHES (36") OR UNTIL NATIVE SOILS ENCOUNTERED TO ENSURE DRAINAGE. BACK FILL WITH SOIL MIX AS SPECIFIED IN SECTION 5.00. PLANTING BED SHALL BE FREE FROM ROCK, CONSTRUCTION DEBRIS OR OTHER EXTRANEous MATERIAL.

5.14. EXCAVATE PLANTING PITS TO A DEPTH SO THAT THE TRUNK FLARE AND FIRST ORDER LATERAL ROOT(S) WILL BE PLANTED AT FINISH GRADE OR SLIGHTLY HIGHER. ADVENTITIOUS ROOTS ARE NOT CONSIDERED FIRST ORDER ROOTS.

5.15. BURLAP, SYNTHETIC STRING, CORDS AND/OR LIFTING ROPES SHALL BE REMOVED FROM THE ROOTBALLS BEFORE ANY TREES ARE PLANTED. THE TOP 1/3RD OF BURLAP MUST BE REMOVED FROM THE TOP OF THE ROOTBALLS. THE TOP 1/3RD OF WIRE BASKETS SHALL BE COMPLETELY REMOVED AND THE BOTTOM 2/3RDS SHALL BE CUT BEFORE THE TREES ARE INSTALLED.

5.16. NO PLUNGING OF ANY TREE OR PALM WILL BE ACCEPTED.

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

5.18. PLANT MATERIAL WILL NOT BE ACCEPTED WHEN THE BALL OF EARTH SURROUNDING ITS ROOTS HAS BEEN CRACKED, BROKEN OR OTHERWISE DAMAGED.

5.19. ALL TREES SPECIFIED AS FIELD GROWN OR B&B TREES SHALL BE ROOT-PRUNED AT THE NURSERY A MINIMUM OF (8) WEEKS PRIOR TO PLANTING.

5.20. ALL PLANT MATERIAL PLANTED WITHIN THE SIGHT DISTANCE TRIANGLE AREAS SHALL BE MAINTAINED TO PROVIDE UNOBSTRUCTED CROSS-VISIBILITY AT A HORIZONTAL LEVEL BETWEEN 30 INCHES AND 8 FEET ABOVE ADJACENT STREET GRADE.

5.21. 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.

5.22. GROUND COVER PLANTINGS SHALL PROVIDE NOT LESS THAN 50 PERCENT COVERAGE IMMEDIATELY UPON PLANTING AND 100 PERCENT COVERAGE WITHIN 6 MONTHS AFTER PLANTING.

5.23. TREES AND PALMS SHALL BE MAINTAINED TO ALLOW FOR CLEAR PASSAGE 8' IN ALL PEDESTRIAN AREAS.

5.24. ALL LANDSCAPE MATERIAL SHALL BE SETBACK A MINIMUM OF 10' FROM ANY FIRE HYDRANT.

5.25. CONTRACTOR SHALL REMOVE ALL NURSERY STAKES, CONDUIT, FLAGGING AND NURSERY TAPE PRIOR TO STAKING.

5.26. CONTRACTOR SHALL STAKE & 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 & DISPOSAL OF STAKING AFTER ESTABLISHMENT/WARRANTY PERIOD.

5.27. TREES THAT CANNOT STAND WITHOUT THE SUPPORT OF STAKES AND/OR GUYS SHALL BE REJECTED.

6. TURF GRASSES

6.1. 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 WATERWAY. REFER TO PLANTING SCHEDULE FOR ESTIMATED QUANTITY AND SPECIES.

7. MULCH & FERTILIZER

7.1. ALL PLANTING BEDS AND WATER BASINS FOR TREES SHALL BE COVERED WITH A 3" MINIMUM DEPTH OF SHREDDED FLORI-MULCH, MELALEUCA OR EUCALYPTUS MULCH GRADE 'B' OR BETTER, UNLESS OTHERWISE SPECIFIED.

7.2. INDIVIDUAL TREES PLANTED IN LAWN AREAS SHALL BE MULCHED WITH A MINIMUM 3' DIAMETER MULCH RING.

7.3. MULCH SHALL NOT BE INSTALLED WITHIN 3" OF TREE TRUNKS.

7.4. FERTILIZER MIX AS FOLLOWS:

7.4.1. DICOT TREES & SHRUBS: NPK 18-4-2, SLOW RELEASE W/ MICRONUTRIENTS

7.4.2. MONOCOT PALMS: NPK 8-2-12, SLOW RELEASE W/ MICRONUTRIENTS

7.4.3. TURF: NPK 16-4-8, SLOW RELEASE W/ MICRONUTRIENTS

8. WATERING

8.1. NO NEW IRRIGATION IS PROPOSED WITHIN THE PUBLIC RIGHT OF WAY OR ASSOCIATED WITH THIS PROJECT. REFER TO IRRIGATION RESTORATION NOTES ON SHEET LA-22.

8.2. ALL PLANT MATERIAL SHALL BE WATERED IN AT TIME OF PLANTING IN ACCORDANCE WITH STANDARD NURSERY PRACTICES. IN ADDITION, CONTRACTOR WILL CONTINUE THE WATERING OF PLANT MATERIAL UNTIL SUBSTANTIAL COMPLETION AND THE LANDSCAPE IS TURNED OVER TO THE OWNER.

9. PROJECT CLOSEOUT

9.1. DURING CONSTRUCTION, THE PROJECT SITE AND ALL ADJACENT AREAS SHALL BE MAINTAINED IN A NEAT AND CLEAN MANNER. UPON FINAL CLEAN UP, THE PROJECT SITE SHALL BE LEFT CLEAR OF ALL SURPLUS MATERIAL OR TRASH. THE PAVED AREAS SHALL BE SWEEP BROOM CLEAN.

9.2. THE CONTRACTOR SHALL RESTORE, REPLACE OR AS DIRECTED BY THE LANDSCAPE ARCHITECT, ANY PUBLIC OR PRIVATE PROPERTY DAMAGED BY THE WORK OF THE CONTRACTOR, HIS EQUIPMENT, EMPLOYEES OR THOSE OF HIS SUB-CONTRACTORS. THIS WORK SHALL BE RESTORED TO A CONDITION EQUAL TO OR BETTER THAN THAT OF THE EXISTING ADJACENT AREAS. THE RESTORATION WORK SHALL BE AT THE CONTRACTOR'S EXPENSE. SUITABLE MATERIALS AND METHODS SHALL BE USED FOR SUCH RESTORATION.

9.3. WHERE MATERIAL OR DEBRIS HAS WASHED OR FLOWED INTO OR BEEN PLACED IN WATER COURSES, DITCHES, DRAINS, CATCH BASINS, OR ELSEWHERE AS A RESULT OF THE CONTRACTOR'S OPERATIONS, SUCH MATERIAL OR DEBRIS SHALL BE REMOVED AND SATISFACTORILY DISPOSED OF DURING PROGRESS OF THE WORK. THESE AREAS SHALL BE KEPT IN A CLEAN AND NEAT CONDITION.

9.4. THE CONTRACTOR SHALL MAINTAIN ACCURATE AND COMPLETE RECORDS OF WORK ITEMS COMPLETED.

9.5. UPON COMPLETION OF CONSTRUCTION, THE CONTRACTOR SHALL SUBMIT TO THE LANDSCAPE ARCHITECT OF RECORD COMPLETE SETS OF "AS-BUILT" CONSTRUCTION DRAWINGS. THESE DRAWINGS SHALL BE MARKED TO SHOW "AS-BUILT" CONSTRUCTION CHANGES AND DIMENSIONED LOCATIONS AND ELEVATIONS OF ALL IMPROVEMENTS INCLUDING PRODUCT/EQUIPMENT AS SPECIFIED OR REVISED DURING THE SHOP DRAWING SUBMITTAL PROCESS. AS-BUILT DRAWINGS SHALL BE SIGNED AND SEALED BY A FLORIDA REGISTERED LAND SURVEYOR.

10. GUARANTEE

10.1. 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 IN KIND BY THE CONTRACTOR AT NO ADDITIONAL COST TO THE OWNER WITHIN 10 DAYS OF NOTIFICATION.

10.2. FOR ALL REPLACEMENT PLANT MATERIAL, THE WARRANTY PERIOD SHALL BE EXTENDED AN ADDITIONAL 90 DAYS BEYOND THE ORIGINAL WARRANTY PERIOD. REPLACEMENT MATERIAL SHALL BE REPLACED IN KIND AS IT RELATES TO SPECIES, QUANTITY AND SIZE.

10.3. ALL TREES THAT LEAN OR ARE BLOWN OVER, CAUSED BY WINDS LESS THAN 74 MPH AS DETERMINED BY THE NATIONAL HURRICANE CENTER, WILL BE RE-SET AND BRACED BY THE CONTRACTOR AT NO ADDITIONAL COST TO THE OWNER.

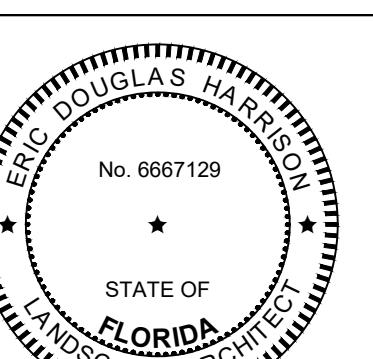
FOR BUILDING DEPARTMENT USE

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DELRAY BEACH, FLORIDA
DELRAY BEACH
MEMBRANE WATER TREATMENT PLANT

LANDSCAPE NOTES

PROJECT NO. 15967-291242
FILE NAME: L-14.DWG
SHEET NO.
L-14

ISSUED FOR PERMITTING