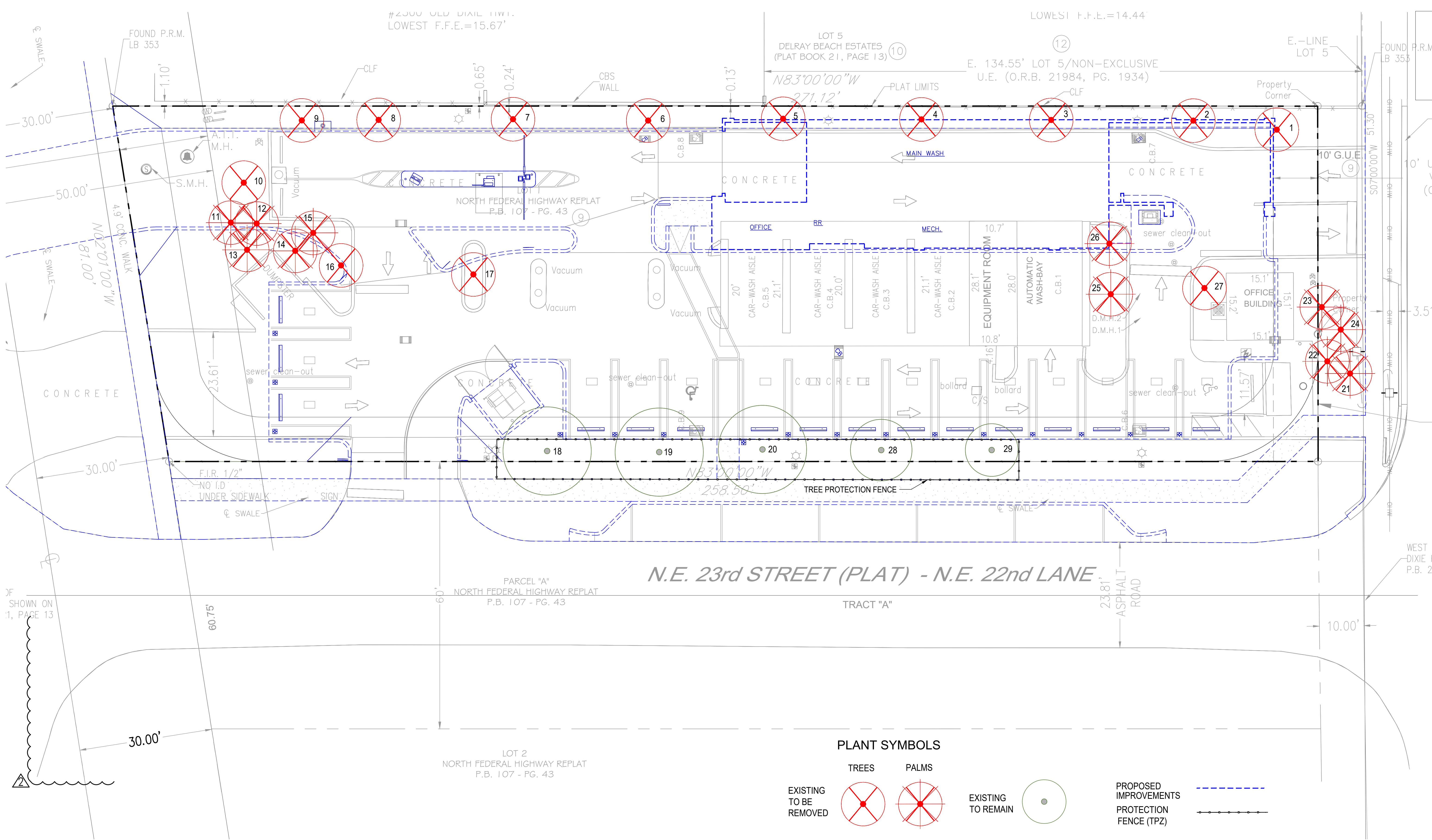




PLANT SYMBOLS

	TREES	PALMS		PROPOSED IMPROVEMENTS
EXISTING TO BE REMOVED			EXISTING TO REMAIN	
				PROTECTION FENCE (TPZ)



80 NE 5TH AVENUE
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PROJECT #: 2572
PHASE: PERMIT DRAWINGS

PROJECT: **LENNY'S CAR WASH**
ADDRESS: **2210 N FEDERAL HIGHWAY, DELRAY BEACH, FL, 33483**

Landscape Architect: Christopher Cabezas

Registration No.: RLA 6667347

REVISIONS:

No.	Date	Description
1	02/23/26	CITY COMMENTS
2	05/22/26	CITY COMMENTS

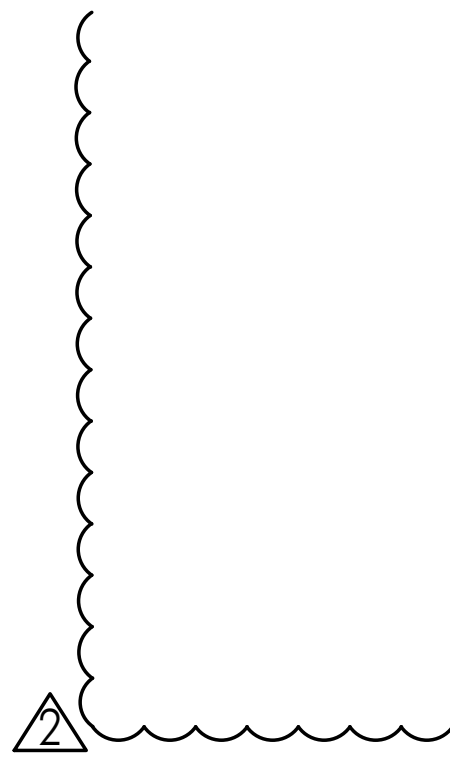
0 10 20 40

Scale: 1"=80'-0"
Drawn By: ESA
Checked By: CC
Date: 12/03/2025

TREE DISPOSITION

L-1.0





TREE DISPOSITION

TREE NUMBER	BOTANICAL NAME	COMMON NAME	DBH (IN)	HEIGHT (CT)(FT)	HEIGHT (OA)(FT)	CANOPY (FT)	CONDITION ≥ 50%	DISPOSITION	REMARKS	TREE MITIGATION (INCHES)	PALM MITIGATION (FEET)
1	Conocarpus sericeus	Green buttonwood	4"		15'	8x8	60%	Remove	Undersized, major trunk lean, poor structure	4	
9	Bursera simaruba	Gumbo limbo	26"		35'	33'	50%	Remove	Restricted roots the trunk is approximately 2ft away from the curb on the south side, co-canopy asymmetrical canopy, co-dominant branch union with included bark	26	
11	Sabal palmetto	Sabal palm		15'		12x12	70%	Remove	Nutrient deficient, canopy competition, proposed construction conflict		15
12	Sabal palmetto	Sabal palm		15'		12x12	70%	Remove	Nutrient deficient, canopy competition, proposed construction conflict		15
13	Sabal palmetto	Sabal palm		15'		12x12	70%	Remove	Nutrient deficient, canopy competition, proposed construction conflict		15
14	Sabal palmetto	Sabal palm		15'		12x12	70%	Remove	Nutrient deficient, canopy competition, proposed construction conflict		15
15	Sabal palmetto	Sabal palm		15'		12x12	70%	Remove	Nutrient deficient, canopy competition, proposed construction conflict		15
18	Swietenia mahagoni	Mahogany	10"		20'	22x22	55%	Remain	Restricted roots the trunk is approximately 3ft away from the curb on the north side		
19	Swietenia mahagoni	Mahogany	15"		20'	24x24	55%	Remain	Restricted roots the trunk is approximately 4ft away from the curb on the north side		
20	Swietenia mahagoni	Mahogany	13"		20'	24x24	55%	Remain	Restricted roots the trunk is approximately 3ft away from the curb on the north side		
21	Sabal palmetto	Sabal palm		12'		12x12	70%	Remove	Nutrient deficient, proposed construction & utility conflict		12
22	Sabal palmetto	Sabal palm		14'		12x12	60%	Remove	Nutrient deficient, proposed construction & utility conflict		14
23	Ptychosperma elegans	Solitaire palm		13'		8x8	70%	Remove	Nutrient deficient, proposed construction & utility conflict		13
24	Ptychosperma elegans	Solitaire palm		10'		8x8	60%	Remove	Nutrient deficient, proposed construction & utility conflict		10
25	Ptychosperma elegans	Solitaire palm		10"		8x8	60%	Remove	Nutrient deficient, proposed construction conflict		10
26	Ptychosperma elegans	Solitaire palm		8"		8x8	60%	Remove	Nutrient deficient, proposed construction conflict		8
27	Ptychosperma elegans	Solitaire palm		8'		8x8	50%	Remove	Nutrient deficient, proposed construction conflict		8
28	Swietenia mahagoni	Mahogany	13"		20'	14'	55%	Remain	Restricted roots the trunk is approximately 3ft away from the curb on the north side		
29	Swietenia mahagoni	Mahogany	11"		20'	11'	55%	Remain	Restricted roots the trunk is approximately 3ft away from the curb on the north side		

TREE DISPOSITION

TREE NUMBER	BOTANICAL NAME	COMMON NAME	DBH (IN)	HEIGHT (CT)(FT)	HEIGHT (OA)(FT)	CANOPY (FT)	CONDITION < 50%	DISPOSITION	REMARKS	TREE MITIGATION (1 FOR 1)	PALM MITIGATION (PALMS)
2	Swietenia mahagoni	Mahogany	18"		25'	18'	40%	Remove	Restricted roots the trunk is approximately 6ft away from the curb on the south side, the property on the north side of the canopy has pruned the trees over the years making the canopy more heavy towards the south side, co-dominant branch union with included bark, poor pruning history	1	
3	Swietenia mahagoni	Mahogany	17"		25'	17'	40%	Remove	Restricted roots the trunk is approximately 2ft away from the curb on the south side, the property on the north side of the canopy has pruned the trees over the years making the canopy more heavy towards the south side, co-dominant branch union with included bark, poor pruning history	1	
4	Swietenia mahagoni	Mahogany	13"		25'	15'	45%	Remove	Restricted roots the trunk is approximately 2ft away from the curb on the south side, the property on the north side of the canopy has pruned the trees over the years making the canopy more heavy towards the south side, co-dominant branch union with included bark, poor pruning history	1	
5	Swietenia mahagoni	Mahogany	13"		25'	11'	45%	Remove	Restricted roots the trunk is approximately 3ft away from the curb on the south side, the property on the north side of the canopy has pruned the trees over the years making the canopy more heavy towards the south side, co-dominant branch union with included bark, poor pruning history	1	
6	Swietenia mahagoni	Mahogany	9"		25'	12'	40%	Remove	Restricted roots the trunk is approximately 3ft away from the curb on the south side, co-canopy	1	
7	Swietenia mahagoni	Mahogany	16"		25'	17'	40%	Remove	Restricted roots the trunk is approximately 3ft away from the curb on the south side, co-canopy	1	
8	Swietenia mahagoni	Mahogany	11"		25'	18'	40%	Remove	Restricted roots the trunk is approximately 3ft away from the curb on the south side, co-canopy co-dominant branch union with included bark	1	
10	Peltophorum pterocarpum	Copperpod	16"		35'	19'	40%	Remove	Co-canopy, restricted roots the trunk is approximately 5ft away from the curb on the east side, poor structure	1	
16	Handroanthus chrysotrichus	Yellow tabebuia	13"		25'	12'	45%	Remove	Co-canopy, restricted roots the trunk is approximately 3ft & 6ft away from the curb on the east side, poor structure	1	
17	Bursera simaruba	Gumbo limbo	12"		20'	22x22	45%	Remove	Restricted roots the trunk is approximately 2ft away from the curb on the south side	1	
Total DBH of Trees with Condition Rating ≥ 50% to be Removed										30 INCHES	
Total Overall CT of Palms to be Removed										150 FEET	
Total Number of Trees with Condition Rating < 50% to be Removed										10 TREES	
Total Number of Palms with Condition Rating < 50% to be Removed										0 PALMS	



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ADDRESS:
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DELRAY BEACH, FL, 33483

Landscape Architect: Christopher Cobezos

Registration No.: RLA 6667347

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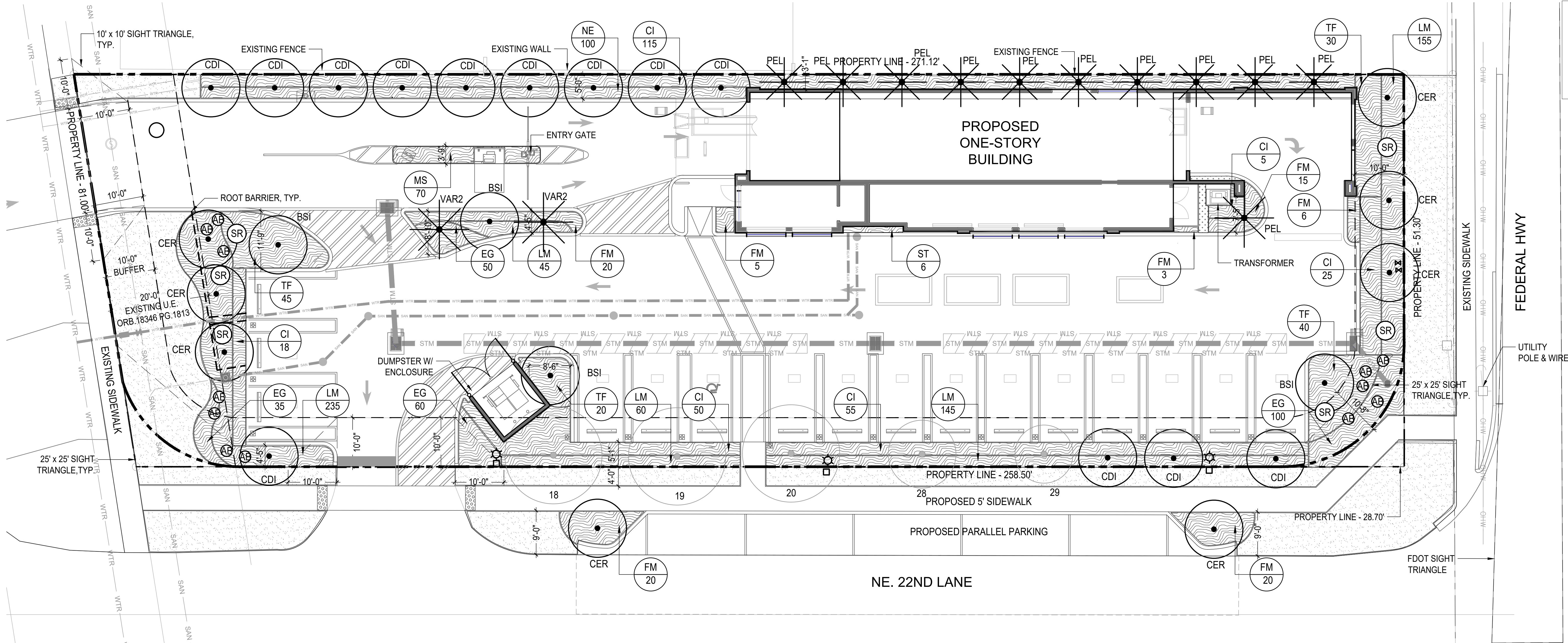


Scale: 1" = 20'-0"
Drawn By: ESA
Checked By: CC
Date: 12/03/2025

TREE DISPOSITION

L-1.1





PLANT SCHEDULE

TREES	QTY	BOTANICAL NAME	COMMON NAME	SPECS	NATIVE	DROUGHT TOLERANT	NOTES
BSI	4	Bursera simaruba	GUMBO LIMBO	16' HT, 7" SPR, 2.5" CAL, 8' CT MIN.	✓	✓	STANDARD
CDI	13	Coccoloba diversifolia	PIGEON PLUM TREE	16' HT, 7" SPR, 2.5" CAL, 8' CT MIN.	✓	✓	STANDARD
CER	8	Conocarpus erectus	GREEN BUTTWOOD	16' HT, 7" SPR, 2.5" CAL, 8' CT MIN.	✓	✓	STANDARD
PALMS	QTY	BOTANICAL NAME	COMMON NAME	SPECS	NATIVE	DROUGHT TOLERANT	NOTES
PEL	11	Ptychosperma elegans	ALEXANDER PALM	16' HT, 8' CT MIN.		✓	SINGLE TRUNK
VAR2	2	Veitchia arecina	MONTGOMERY PALM	16' HT, 8' CT MIN.		✓	DOUBLE TRUNK
SHRUBS	QTY	BOTANICAL NAME	COMMON NAME	SPECS	NATIVE	DROUGHT TOLERANT	NOTES
CI	268	Chrysobalanus icaco 'Red Tip'	RED TIP COCOPLUM	7 GALLON, 3' HT, 2' SPR, FULL TO BASE	✓	✓	24" O.C.
FM	95	Ficus microcarpa 'Green Island'	GREEN ISLAND FICUS	3 GALLON, 2' HT, 2' SPR, FULL		✓	24" O.C.
TF	135	Tripsacum floridana	DWARF FAKAHATCHEE	3 GALLON, 2' HT, 2' SPR, FULL	✓	✓	24" O.C.
GROUND COVER	QTY	SCIENTIFIC NAME	COMMON NAME	SPECS	NATIVE	DROUGHT TOLERANT	NOTES
EG	245	Evolvulus glomeratus	BLUE DAZE	1 GALLON, 12" HT, 12" SPR, FULL		✓	15" O.C.
LM	640	Liriope muscari 'Big Blue'	LIRIOPE 'BIG BLUE'	1 GALLON, 12" HT, 12" SPR, FULL		✓	15" O.C.
MS	70	Microsorium scolopendria	WART FERN	1 GALLON, 12" HT, 12" SPR, FULL		✓	12" O.C.
NE	100	Nephrolepis exaltata	BOSTON FERN	1 GALLON, 12" HT, 12" SPR, FULL	✓	✓	18" O.C.
ST	6	Sanseveria trifasciata	SNAKE PLANT	2 GALLON, 12" HT, 12" SPR, FULL		✓	18" O.C.
ACCENTS	QTY	SCIENTIFIC NAME	COMMON NAME	SPECS	NATIVE	DROUGHT TOLERANT	NOTES
AB	12	Aechmea blanchetiana	ORANGE BROMELIAD	7 GALLON, 2' HT, 2' SPR, FULL		✓	AS SHOWN
SR	6	Strelitzia reginae	BIRD OF PARADISE	7 GALLON, 4' HT, 3' SPR, FULL TO BASE			AS SHOWN
SOD	QTY	BOTANICAL NAME	COMMON NAME	SPECS	NATIVE	DROUGHT TOLERANT	NOTES
	3,500 SF	Stenotaphrum secundatum	ST. AUGUSTINE	PALLET			*INCLUDING ROW

SITE DATA

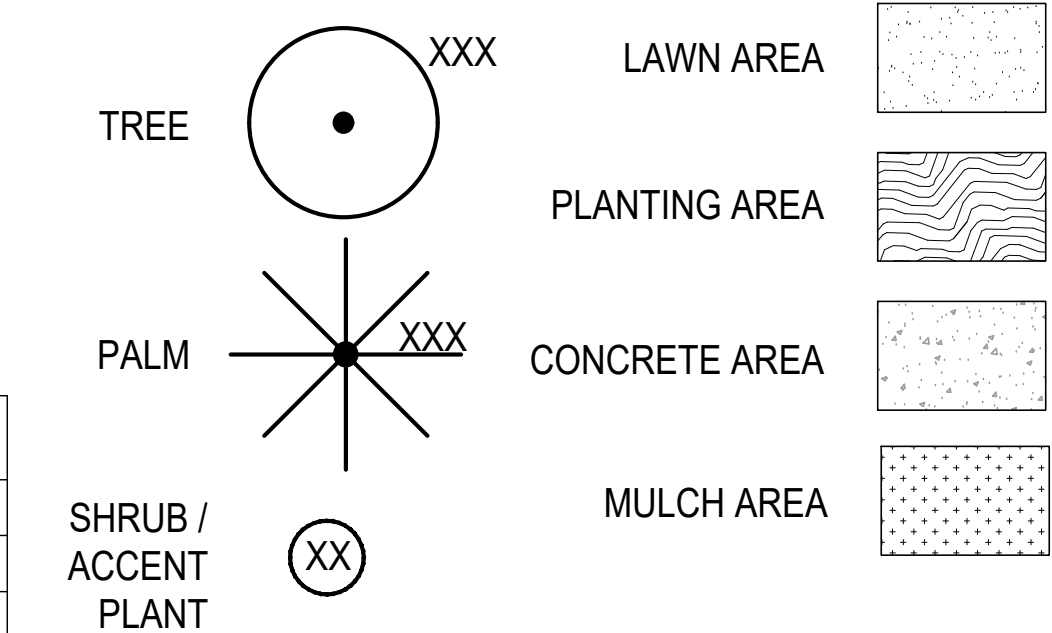
ZONING DISTRICT	CITY OF DELRAY BEACH-GENERAL COMMERCIAL
LOT AREA	21,195 SF
BUILDING COVERAGE	3,446 SF
IMPERVIOUS AREA	12,229 SF
OPEN SPACE/LANDSCAPE AREA (MIN.25%)	5,299 SF (25%)

LANDSCAPE REQUIREMENTS

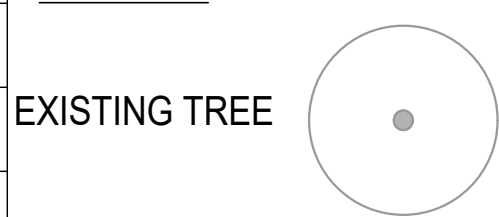
MINIMUM LANDSCAPE STANDARDS	REQUIRED	PROVIDED
PERIMETER TREES	1 SHADE TREE / MIN. 30 LF EAST 80' LF / 30 = 3 TREES SOUTH 259' / 30 = 9 TREES WEST 81' LF / 30 = 3 TREES NORTH 271' / 30 = 9 TREES	24 TREES (5 EXISTING + 19 PROPOSED TREES)
PERIMETER HEDGE	YES (MIN.3' HT.)	YES NATIVE 3' HT. HEDGE
FOUNDATION PLANTING	MULTI-TIER 24' HT. ROOF BEAM= TREE HT 14-16' OR PALM HT. 16'	YES 11 PALMS @ 16' HT.
INTERIOR LANDSCAPE	1 TREE/PARKING ISLAND INTERIOR LANDSCAPE 10% OF VUA (12,254 SF X .1 = 1,225.4 SF MIN.)	YES - 5 PROPOSED TREES INTERIOR LANDSCAPE 10% (1,895 SF)
NATIVE PLANT MATERIAL	MIN. 50% NATIVE TREES MIN. 25% NATIVE SHRUBS	YES 100% NATIVE TREES 80% NATIVE SHRUBS
LAWN/SOD MAX.	MAX. 70%	>70%

LEGEND

PROPOSED:



EXISTING:



NOTE: ANY TREES OR SHRUBS PLACED WITHIN WATER, SEWER OR DRAINAGE EASEMENTS SHALL CONFORM TO CITY OF DELRAY BEACH STANDARD DETAILS LD1.0-LD2.0.

NOTE: SITE TRIANGLE LANDSCAPE O BE MAINTAINED TO A MAXIMUM OF 3' HT. TREE FRONT TO BE KEPT AT 6' CLEAR FROM GROUND.

MITIGATION

Tree Replacement Calculations (Condition Rating ≥ 50% to be Removed)

Total Inches of Removed Trees	30 Inches
Total Inches of Proposed Trees	37.5 Inches
Total Replacement Surplus	7.5 Inches

Tree Replacement Calculations (Condition Rating < 50% to be Removed)

1-for 1 Trees Replacement Trees Removed	10 Trees
Total Proposed Trees	10 Trees

Palm Replacement Calculations (Condition Rating ≥ 50% to be Removed)

Total Height of Proposed Palms	156 Feet
Total Height of Removed Palms	150 Feet
Total Replacement Surplus	6 Feet

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ADDRESS:
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Landscape Architect: Christopher Cabezas

Registration No.: RLA 6667347

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2	05/22/26	CITY COMMENTS

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Scale: 1" = 10'-0"
Drawn By: CSA
Checked By: CC
Date: 12/03/2025

PLANTING PLAN

L-2.0

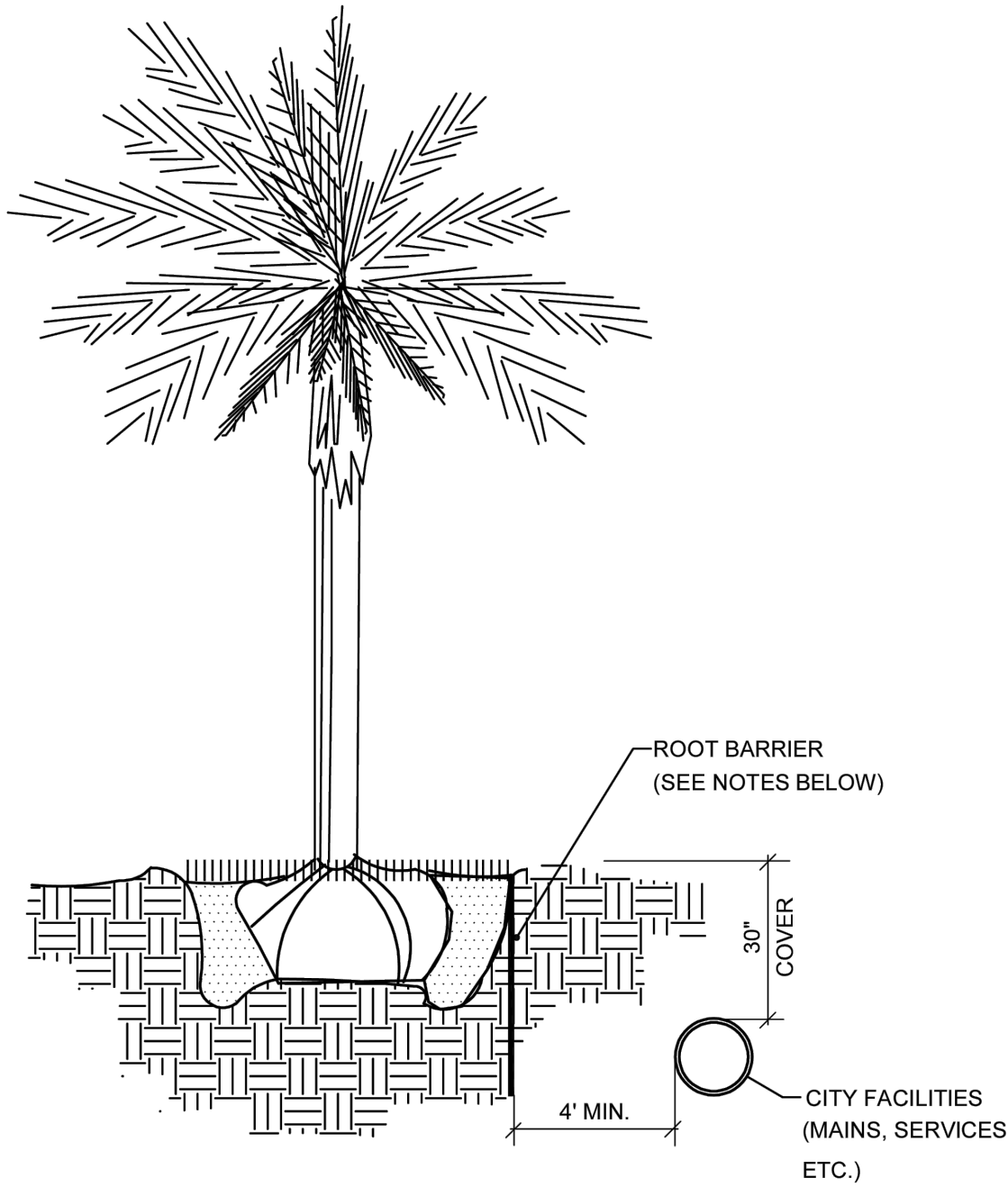
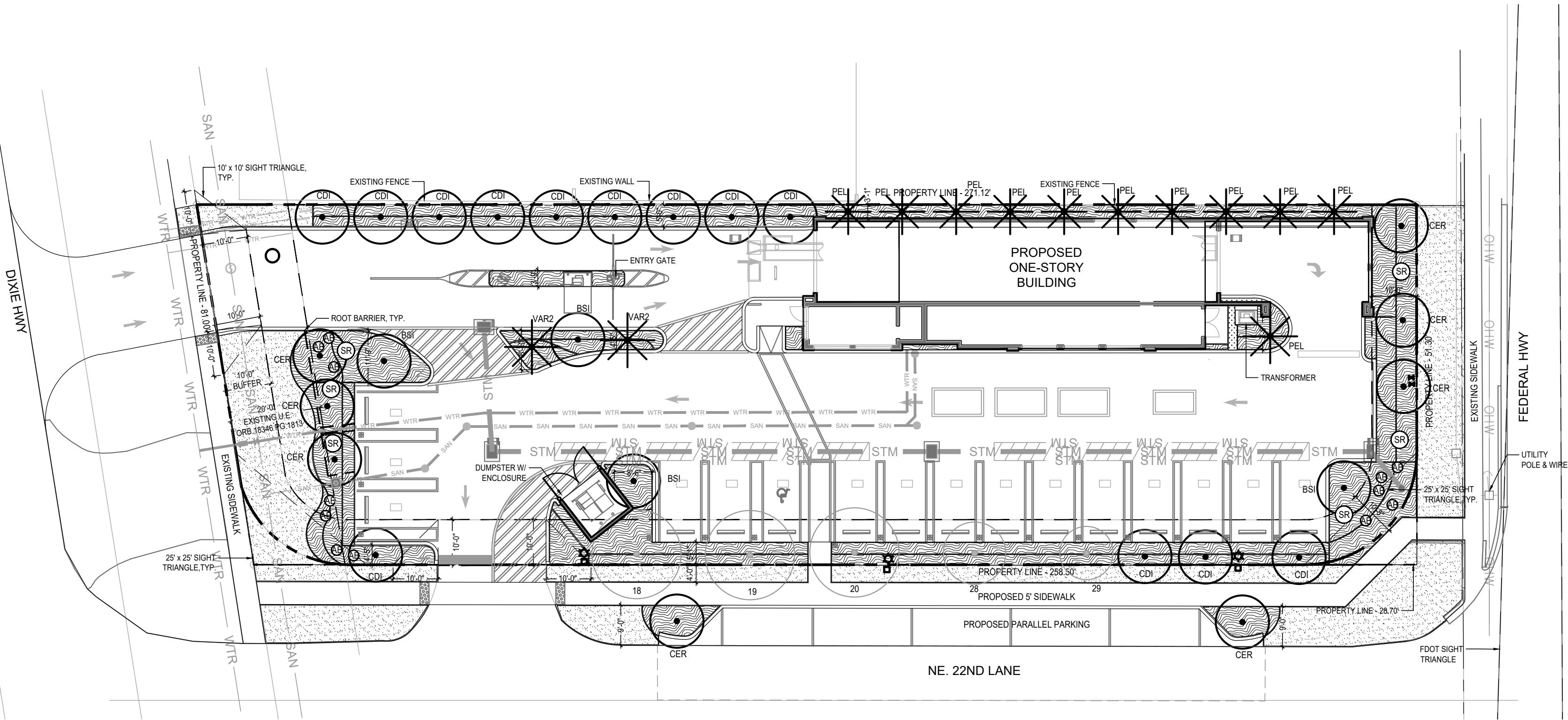
REVISIONS:		
No.	Date	Description
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Drawn By: ESA
Checked By: CC
Date: 12/03/2025

PLANTING PLAN

L-2.1



NOTES:

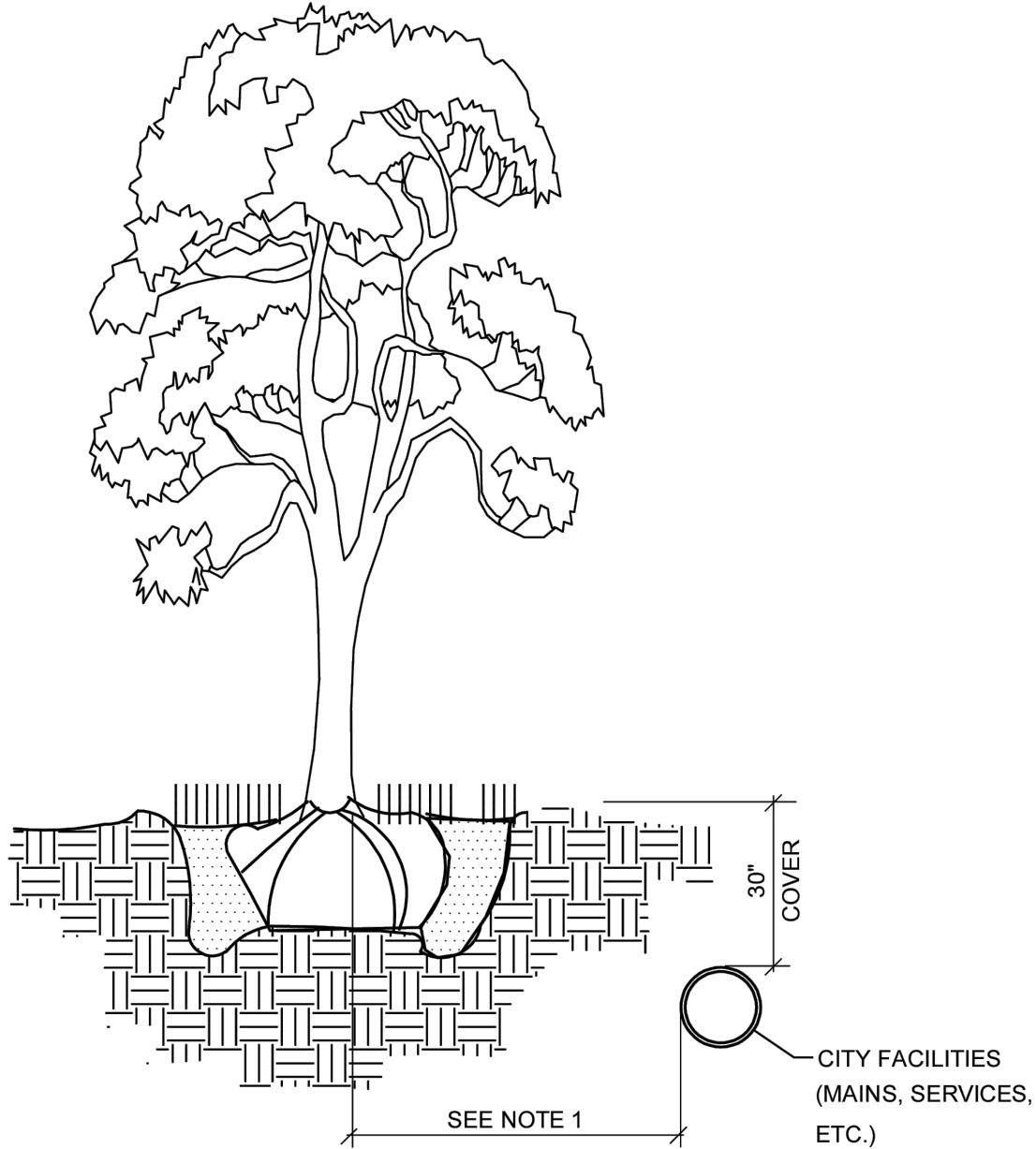
1. ALL ROOT BARRIERS SHALL BE 4' MINIMUM FROM ALL CITY FACILITIES.
2. THE INSTALLATION OF ROOT BARRIERS SHALL BE COORDINATED WITH CITY AND INSPECTED BY CITY PRIOR TO BACKFILLING. ALL ROOT BARRIERS SHALL EXTEND UP TO FINISHED GRADE.
3. ROOT BARRIERS SHALL BE MINIMUM 36" DEEP. APPROVED PRODUCTS INCLUDE "DEEP ROOT" AND "ROOT SOLUTIONS". FLEXIBLE BARRIERS SHALL BE 36" PANELS MANUFACTURED BY BIOBARRIER.
4. ALL ROOT BARRIERS SHALL BE INSTALLED IN ACCORDANCE WITH MANUFACTURERS WRITTEN INSTRUCTIONS.



CITY of DELRAY BEACH
PUBLIC WORKS DEPARTMENT
434 SOUTH SWINTON AVENUE, DELRAY BEACH, FLORIDA 33444

TYPICAL TREE WITH
ROOT BARRIER

DATE: 10-04-2024
LD 1.0



NOTES:

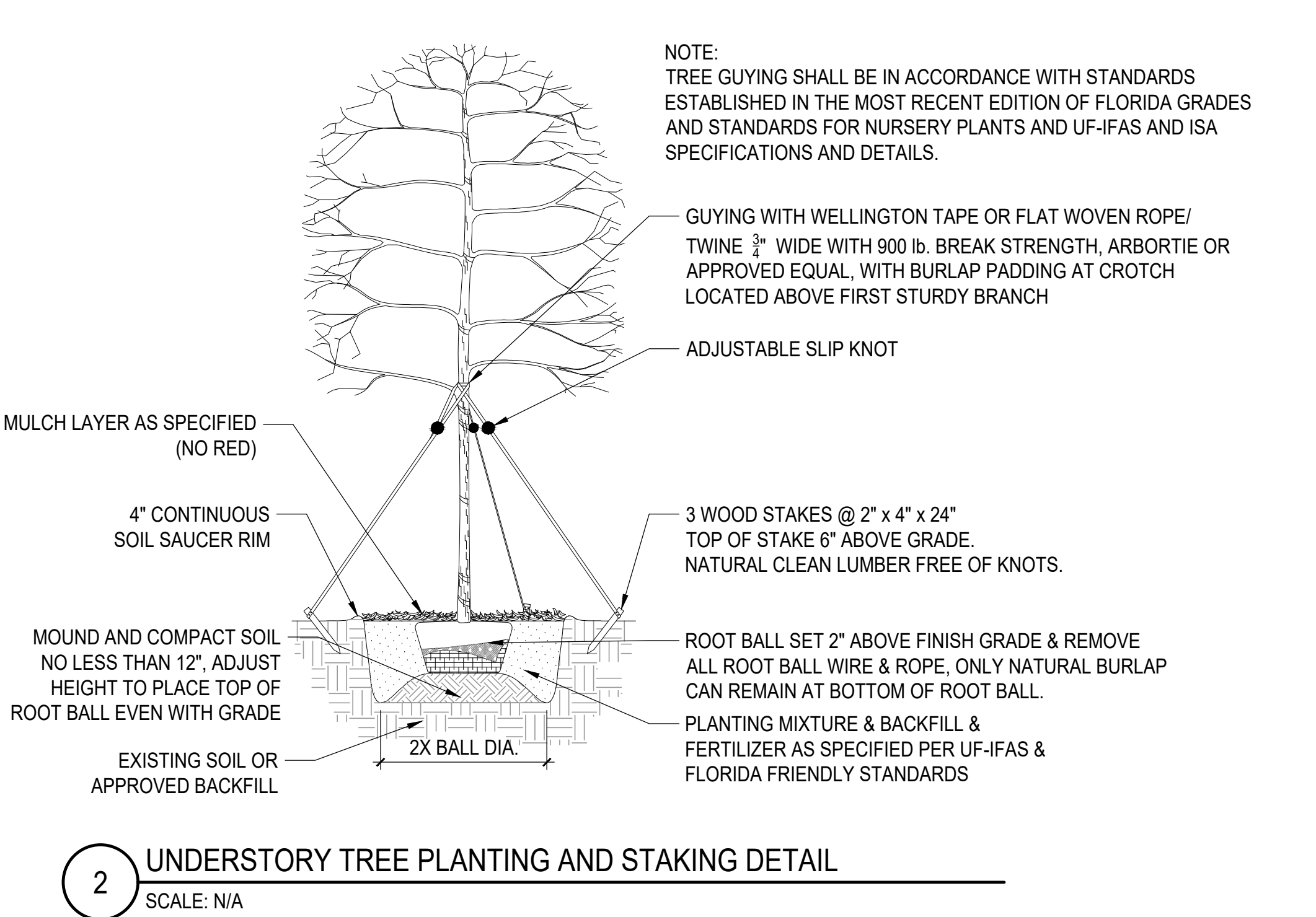
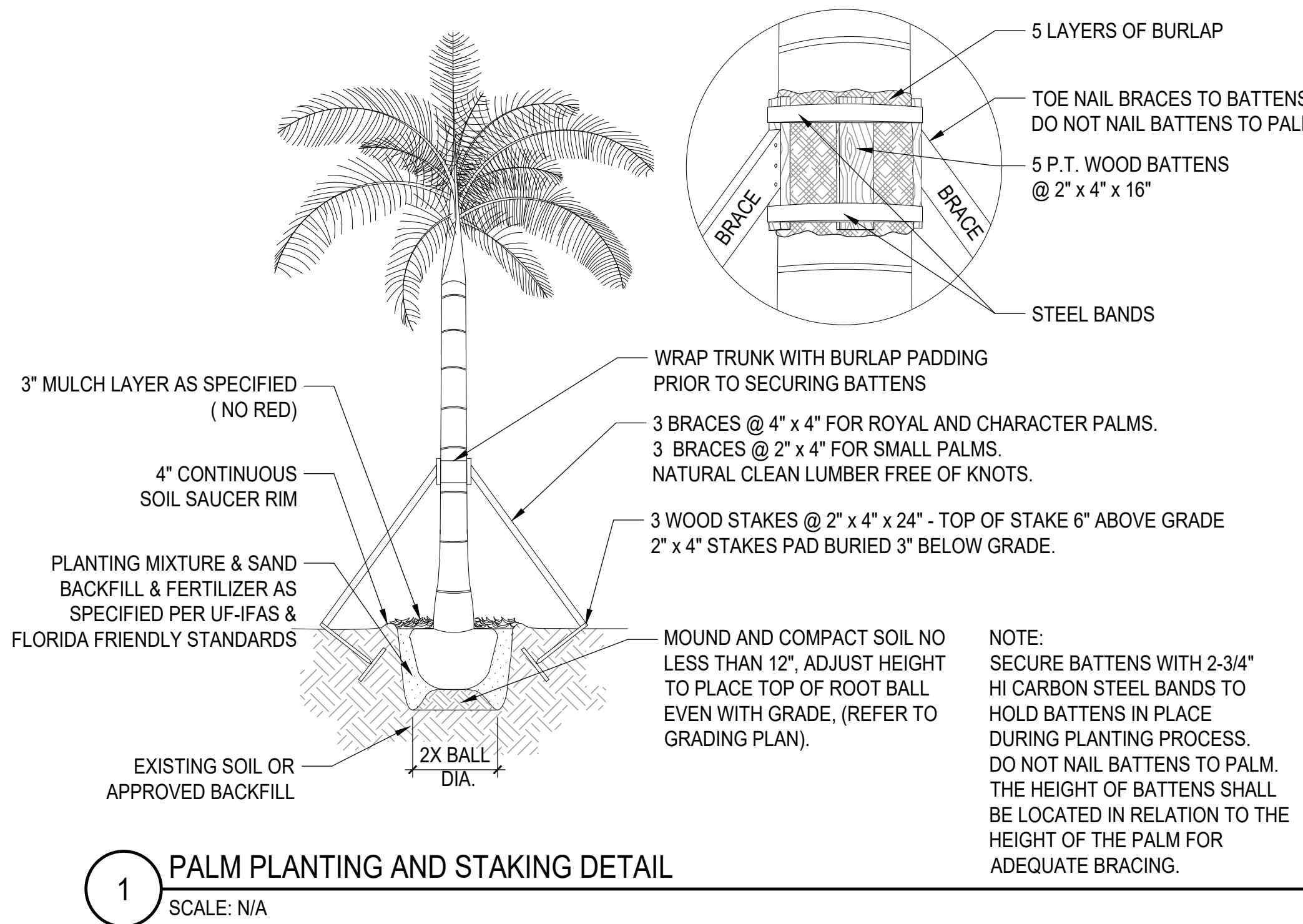
1. THIS DISTANCE SHALL BE 10' MINIMUM FROM ALL CITY FACILITIES IF NO ROOT BARRIER IS USED.



CITY of DELRAY BEACH
PUBLIC WORKS DEPARTMENT
434 SOUTH SWINTON AVENUE, DELRAY BEACH, FLORIDA 33444

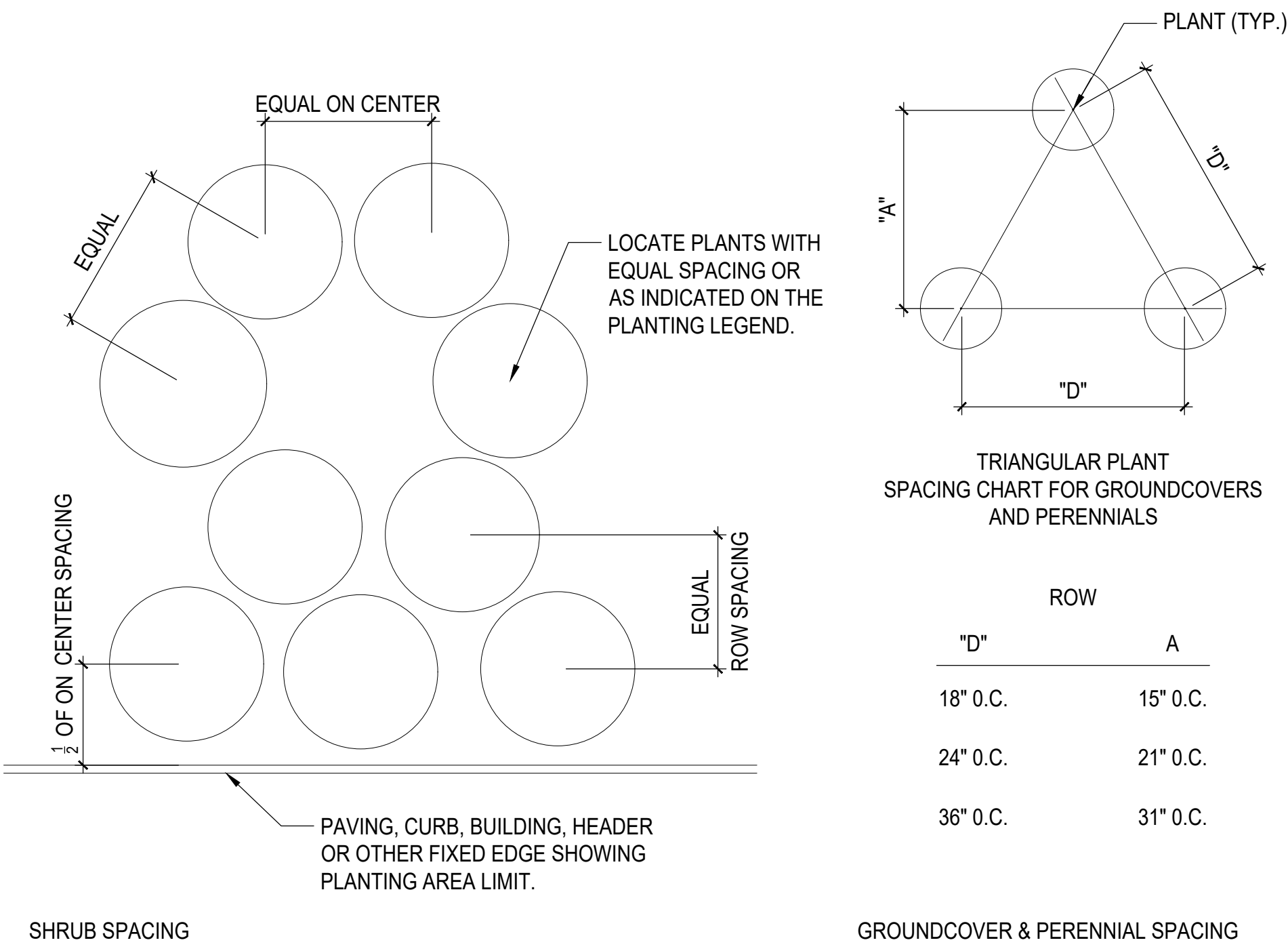
TYPICAL TREE WITHOUT
ROOT BARRIER

DATE: 10-04-2024
LD 2.0

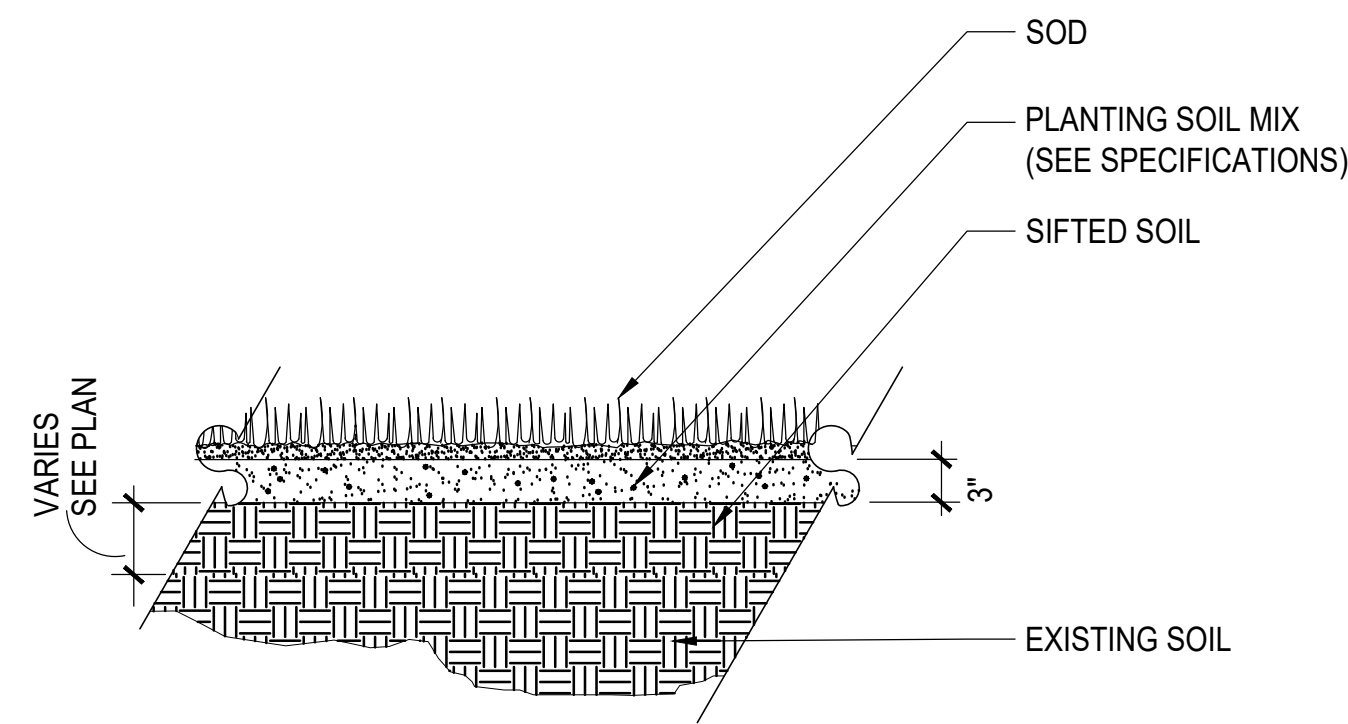


1 PALM PLANTING AND STAKING DETAIL
SCALE: N/A

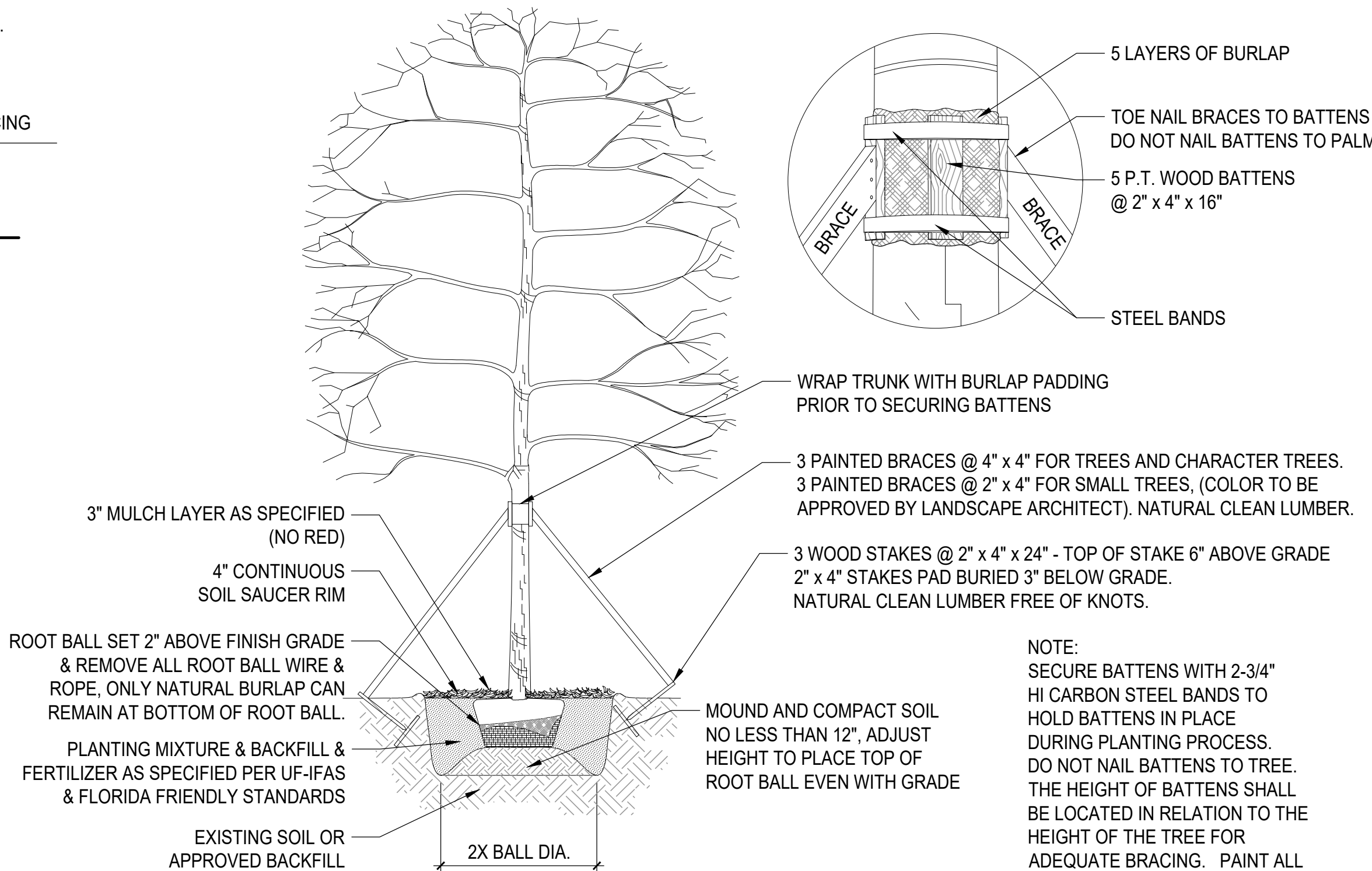
2 UNDERSTORY TREE PLANTING AND STAKING DETAIL
SCALE: N/A



3 PLANT & SHRUB SPACING DETAIL
SCALE: N/A



5 SOD SECTION
SCALE: N/A



6 TREE PLANTING AND STAKING DETAIL
SCALE: 3/32" = 1'- 0"

GENERAL LANDSCAPE NOTES AND SPECIFICATIONS

- LANDSCAPE CONTRACTOR SHALL BECOME FAMILIAR WITH THE SCOPE OF WORK AS WELL AS THE SITE, DIGGING CONDITIONS, AND ANY OBSTACLES PRIOR TO SUBMITTING A BID.
- LANDSCAPE CONTRACTOR SHOULD VERIFY ALL ESTIMATED QUANTITIES OF MATERIAL SHOWN ON THE LANDSCAPE ARCHITECT'S DRAWINGS PRIOR TO SUBMITTING A BID.
- PLANTING PLAN SHALL TAKE PRECEDENCE OVER PLANT LIST IN CASE OF DISCREPANCIES.
- ALL PLANT MATERIAL SYMBOLS SHOWN ON LANDSCAPE PLANS SHALL BE CONSIDERED DIAGRAMMATIC AND SHOULD BE ADJUSTED IN THE FIELD BY LANDSCAPE CONTRACTOR TO AVOID ALL UTILITIES AND ALL OTHER OBSTRUCTIONS.
- ALL SIZES SPECIFIED FOR PLANT MATERIAL ON THE PLAN AND PLANT LIST SHALL BE CONSIDERED MINIMUM.
- ALL PLANT MATERIAL MUST MEET OR EXCEED THE SPECIFIED MINIMUM REQUIREMENTS FOR BOTH HEIGHT AND SPREAD.
- ALL MATERIAL SHALL BE SUBJECT TO AVAILABILITY AT TIME OF INSTALLATION. .
- ALL TREES, PALMS, SHRUBS AND GROUND COVERS SHALL BE GUARANTEED FOR A PERIOD OF 1 YEAR FROM DATE OF FINAL ACCEPTANCE.
- LANDSCAPE CONTRACTOR SHALL LOCATE AND VERIFY ALL UNDERGROUND UTILITIES OR STRUCTURES PRIOR TO DIGGING.
- LANDSCAPE CONTRACTOR SHALL COORDINATE WITH THE GENERAL CONTRACTOR, THE REMOVAL OF ALL BUILDING CONSTRUCTION DEBRIS AND FOREIGN MATERIAL PRIOR TO INSTALLATION OF ANY PLANT MATERIAL.
- SITE PREPARATION SHOULD INCLUDE THE ERADICATION AND REMOVAL OF ANY WEEDS OR GRASS, REMOVAL AND CLEAN UP OF ANY DEAD MATERIAL AND ROUGH AND FINISH GRADING PER SPECS AND OR LANDSCAPE PLANS.
- FOR PLANT MATERIAL DESIGNATED TO BE REMOVED, THE ENTIRE ROOT SYSTEM SHALL BE DUG AND REMOVED FROM THE SITE.
- ALL PLANTING AREAS SHALL BE COMPOSED OF 70:30 MIX FILL SOIL WITH 10% ORGANIC MATTER, AND SAND USED IN PLANTING SOIL MIX SHALL BE SILICA SAND. PALMS SHALL BE PLANTED IN CLEAN SAND. ALL PLANTING MIX AND FERTILIZER MIX SHALL FOLLOW CURRENT RECOMMENDED UF-IFAS AND ISA SPECIFICATIONS AND STANDARDS.
- ALL PLANT MATERIAL SHALL BE FLORIDA NO.1 OR BETTER AS SET FORTH IN THE FLORIDA DEPARTMENT OF AGRICULTURE 'GRADES AND STANDARDS FOR NURSERY PLANTS' LATEST EDITION JULY 2022, INCLUDING REVISIONS AND WHICH MEET OR EXCEED THE SIZES INDICATED IN THE PLANTING SCHEDULE AND DETAILS.
- ALL TREES SHALL BE STAKED IN A GOOD WORKMANLIKE MANNER. NO NAIL STAKING PERMITTED. (REFER TO BRACING NOTES AND PLANTING DETAILS). ALL TREE INSTALLATION OR RELOCATION OR PRUNING SHALL FOLLOW ANSI A-300 STANDARDS FOR MAINTENANCE OF TREES AND WOODY PLANTS.
- AFTER REMOVAL OR RELOCATION OF EXISTING TREES AND PALMS, ALL REMAINING HOLES SHALL BE BACK FILLED AROUND AND UNDER ROOT BALL WITH SPECIFIED PLANTING MIX.
- ALL EXISTING PLANT MATERIAL TO REMAIN, SHALL HAVE PROTECTION BARRIERS IN PLACE PRIOR TO AND DURING ALL CONSTRUCTION PHASES. ANY PLANT MATERIAL SCARRED OR DESTROYED DESIGNATED TO REMAIN MUST BE REPLACED AT THE CONTRACTOR'S EXPENSE WITH SIMILAR SPECIES SIZE AND QUALITY.
- ALL TREES AND ALL PLANTING BEDS TO BE TOPPED WITH 3" MIN. "GRADE A" ORGANIC MULCH IMMEDIATELY AFTER PLANTING AND WET DOWN TO PREVENT WIND DISPLACEMENT. (MELALEUCA IS PREFERRED UNLESS OTHERWISE NOTED & CYPRESS MULCH AND RED MULCH SHALL NOT BE USED).
- ALL TREES SHALL HAVE 2" D.B.H. MINIMUM FOR A 12' HEIGHT TREE, UNLESS NOTED OTHERWISE.
- ALL 1 GALLON MATERIAL SHALL HAVE 12" SPREAD MINIMUM, ALL 3 GALLON MATERIAL TO HAVE 18-24" SPREAD MINIMUM.
- ALL PLANTING AREAS WITHIN THE LIMITS OF WORK SHALL RECEIVE 100% COVERAGE BY AUTOMATIC IRRIGATION SYSTEM (DRIP PREFERRED) UNLESS OTHERWISE DIRECTED BY OWNER. SEE IRRIGATION PLANS FOR ADDITIONAL SPECIFICATIONS.
- LANDSCAPE CONTRACTOR TO COORDINATE INSTALLATION OF IRRIGATION SYSTEM WITH IRRIGATION CONTRACTOR. IRRIGATION TIME CLOCK TO BE HARD WIRED ON COMPLETION - RESPONSIBILITY OF IRRIGATION CONTRACTOR. LANDSCAPE CONTRACTOR SHALL HAND WATER OR ARRANGE FOR WATERING DURING PLANTING UNTIL IRRIGATION SYSTEM IS 100% OPERABLE. THIS IS THE RESPONSIBILITY OF THE LANDSCAPE CONTRACTOR.
- LANDSCAPE CONTRACTOR SHALL COORDINATE HIS WORK WITH ALL OTHER APPROPRIATE CONTRACTORS.
- THE LANDSCAPE CONTRACTOR SHALL AT ALL TIMES KEEP THE JOB SITE CLEAN AND FREE FROM ACCUMULATION OF WASTE MATERIAL, DEBRIS, AND RUBBISH.
- LANDSCAPE PLAN SHALL BE INSTALLED IN COMPLIANCE WITH ALL LOCAL CODES.
- THESE DRAWINGS, DOCUMENTS, AND ALL CONTENTS ARE THE PROPERTY OF CABEZAS ALVAREZ LANDSCAPE ARCHITECTS, INC. ALL RIGHTS ARE RESERVED. UNAUTHORIZED USE OR PRODUCTION, IN PART OR WHOLE, FOR ANY PURPOSE IS UNLAWFUL AND PROHIBITED EXCEPT BY EXPRESS WRITTEN CONSENT.
- THE CONTRACTOR IS RESPONSIBLE FOR OBTAINING ANY PERMITS OR APPROVALS FROM THE FEDERAL, STATE OR LOCAL GOVERNMENT REQUIRED FOR THE WORK INCLUDED IN THIS CONTRACT AND ON THESE DRAWINGS.
- NOTIFY THE OWNER AND LANDSCAPE ARCHITECT OF ANY UNFORESEEN CONDITIONS, I.E., COMPACTED SOIL / SUBGRADE, POOR DRAINAGE, UNCONSOLIDATED SOIL, EROSION, UTILITY CONFLICTS, EXCESSIVE SUN OR SHADE, ETC., PRIOR TO PROCEEDING WITH LANDSCAPE INSTALLATION. CONTRACTOR SHALL ASSURE PERCOLATION OF ALL PLANTING PITS PRIOR TO INSTALLATION.
- ALL PLANTS, MATERIALS, AND WORKMANSHIP ARE SUBJECT TO THE APPROVAL OF THE LANDSCAPE ARCHITECT AND OWNER.
- NURSERY SUPPORT POLES SHALL BE REMOVED AT THE NURSERY, PRIOR TO DELIVERY. TREES SHALL BE PROPERLY STAKED PER SPECIFIED IN DETAILS TO ENSURE PROPER ESTABLISHMENT.

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2210 N FEDERAL HIGHWAY,
DELRAY BEACH, FL, 33483

Landscape Architect: Christopher Cabezas

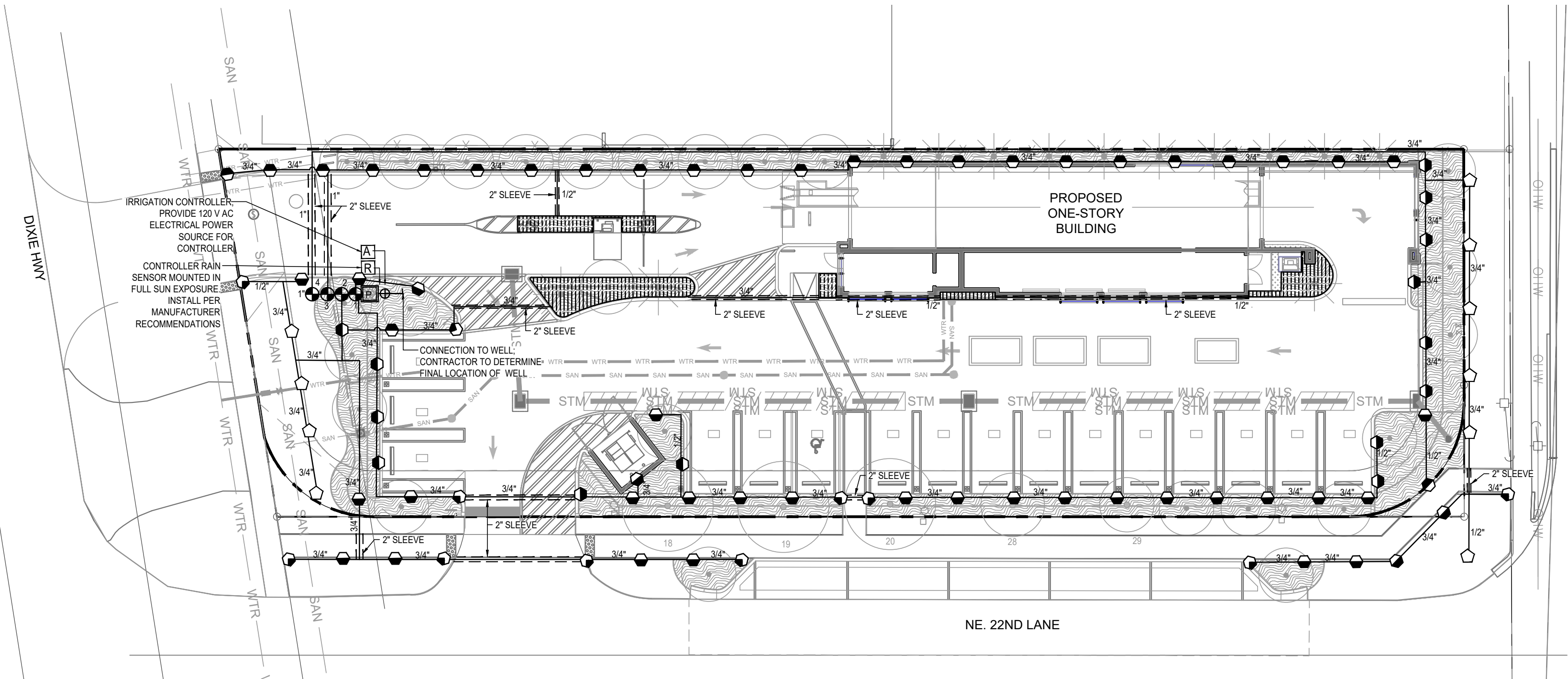
Registration No.: RLA 6667347

REVISIONS:		
No.	Date	Description

Scale: NTS
Drawn By: ESA
Checked By: CC
Date: 12/03/2025

PLANT NOTES AND
DETAILS

L-3.0



Irrigation Notes

LAYOUT

LAYOUT IRRIGATION SYSTEM MAINLINES AND LATERAL LINES. MAKE ALL NECESSARY ADJUSTMENTS AS REQUIRED TO TAKE INTO ACCOUNT ALL SITE OBSTRUCTIONS AND LIMITATIONS PRIOR TO EXCAVATING TRENCHES.

FLAG ALL SPRINKLER HEAD LOCATIONS. ADJUST LOCATION AND MAKE THE NECESSARY MODIFICATIONS TO NOZZLE TYPES ETC. AS REQUIRED TO INSURE 100% COVERAGE AND 50% OVERLAP.

LOW ANGLE TRAJECTORY NOZZLES SHALL BE USED WHEN ALL SPRINKLERS AND ROTORS ARE LOCATED WITHIN 100' OF POOLS OR PUBLIC GATHERING AREAS.

PIPE

PIPE LOCATIONS SHOWN ON PLAN ARE SCHEMATIC ONLY AND SHALL BE ADJUSTED IN THE FIELD. WHEN LAYING-OUT MAINS AND LATERALS, LOCATE PIPE NEAR EDGES OF PAVEMENT OR AGAINST BUILDINGS WHEREVER POSSIBLE TO ALLOW SPACE FOR PLANT ROOT BALLS.

PIPING UNDER HARDSCAPES SUCH AS ROADS, WALKS, AND PATIOS ARE TO BE SLEEVED USING SCH. 40 PIPE.

PIPES 4" AND UNDER TO BE SOLVENT WELD. LARGER PIPES TO BE GASKETED 'O' RING PIPES AND USE THRUST BLOCKS OR MEGA LUGS AND DUCTILE IRON FITTINGS AT TURNING LOCATIONS.

*SIZE ALL PIPE SO NOT TO EXCEED 5' PER SECOND
*INSTALL RAIN SENSOR AS PER LOCAL CODE

PIPES CONVEYING RECLAIM WATER SHALL HAVE A 3' HORIZONTAL DISTANCE SEPARATION FROM OTHER PIPING OR UTILITY SERVICES. AN 18" VERTICAL SEPARATION SHALL BE MAINTAINED WHEN APPLICABLE.

AIR RELEASE VALVES TO BE USED AT THE END OF ALL MAINLINE RUNS.

WIRES

LOW VOLTAGE WIRE TO BE INSTALLED ALONG MAINLINE INSTALLATION. USE 2" SCH. 40 PVC WITH SWEEP ELBOWS AT TURNING LOCATIONS WHEN SLEEVEING IS REQUIRED. ALL SPLICES SHALL BE ENCLOSED WITHIN A VALVE/SPLICE BOX.

WIRE SIZED AND COLORED AS FOLLOWS:
#12 WHITE FOR COMMON
#12 SPARE BLACK COMMON (1 SPARE NEEDED PER 10 HOT WIRES)
#14 RED HOT WIRES
#14 SPARE YELLOW HOT WIRE (1 SPARES NEEDED PER 10 HOT WIRES, 3 SPARE MINIMUM)

WHEN WIRE RUNS EXCEEDS 3,500 LINEAR FEET, USE #10 FOR COMMON WIRES AND #12 FOR HOT/SPARE WIRES.

ALL IRRIGATION CONTROLLERS TO BE PROPERLY GROUNDED IN ACCORDANCE WITH MANUFACTURE'S RECOMMENDATIONS.

FLUSHING

PRIOR TO PLACEMENT OF HEADS FLUSH ALL LINES UNTIL LINES ARE COMPLETELY CLEAN OF DEBRIS.

TRENCHING

TRENCH BOTTOM TO BE UNIFORM AND FREE OF DEBRIS. NATIVE EXCAVATED MATERIAL USED TO BACKFILL TRENCH SHALL BE FREE FROM ROCKS OR STONES LARGER THAN 1" IN DIAMETER.

MISC.

PRESSURE TEST MAINLINE AS PER FLORIDA BUILDING CODE. INSTALL IRRIGATION SYSTEM AS PER LATEST EDITION OF THE FLORIDA BUILDING CODE, APPENDIX F, AND ALL PERTINENT LOCAL CODES.

SPRAY HEADS INSTALLED IN SHRUB AREAS TO BE 12 INCH POP-UPS OR INSTALLED ON RISERS.

DESIGN

THIS DESIGN IS DIAGRAMMATIC. ALL IRRIGATION EQUIPMENT SUCH AS PIPES, VALVES, , ETC., SHOWN WITHIN PERVIOUS AREAS ARE FOR DESIGN CLARIFICATION ONLY. THE IRRIGATION CONTRACTOR SHALL INSTALL IRRIGATION EQUIPMENT IN PLANTING AREAS WHEREVER POSSIBLE.

THE IRRIGATION CONTRACTOR IS RESPONSIBLE TO FAMILIARIZE741 THEMSELVES WITH THE SCOPE OF WORK, INCLUDING BUT NOT LIMITED TO GRADE DIFFERENCES, LOCATION OF WALLS, STRUCTURES, UTILITIES AND EXISTING IRRIGATION EQUIPMENT. THE IRRIGATION CONTRACTOR IS RESPONSIBLE SHALL REPAIR AND/OR REPLACE ANY DAMAGE CREATED BY THEIR WORK. THEY SHALL COORDINATE HIS WORK WITH OTHER CONTRACTOR OR MUNICIPAL AUTHORITIES FOR THE LOCATION AND INSTALLATION OF IRRIGATION EQUIPMENT UNDER ROADWAYS AND PAVING, SLEEVES THROUGH WALLS AND FLOORS, ETC.

INSTALL ALL IRRIGATION EQUIPMENT PER MANUFACTURER'S RECOMMENDATIONS AND SPECIFICATIONS. SUBSTITUTIONS FOR IRRIGATION EQUIPMENT TO BE APPROVED BY THE IRRIGATION DESIGNER. EQUIPMENT CHANGES TO INCLUDE BUT NOT LIMITED TO PUMP, CONTROLLER, SPRAY HEADS, ROTORS, AND VALVES.

DO NOT INSTALL IRRIGATION EQUIPMENT AS SHOWN ON THE DRAWINGS WHEN FIELD CONDITIONS DIFFER. OBSTRUCTIONS OR DIFFERENCES TO BE BROUGHT TO THE ATTENTION OF THE ARCHITECT. IN THE EVENT THIS NOTIFICATION IS NOT PERFORMED, THE IRRIGATION CONTRACTOR TO ASSUME FULL RESPONSIBILITY.

EQUIPMENT TABLE	
Backflow Preventers	
Symbol	Description
	Pressure Vacuum Breaker
Controllers	
Symbol	Description
	Rainbird ESP-Me
	Rain Sensor
Irrigation Heads	
Symbol	Description
	RAINBIRD 1800 SERIES 15 Strip Series trajectory 30 deg EST*
	RAINBIRD 1800 SERIES 15 Strip Series trajectory 30 deg SST*
	RAINBIRD 1800 SERIES HE-VAN 08 Series 90°
	RAINBIRD 1800 SERIES HE-VAN 08 Series 180°
	RAINBIRD 1800 SERIES HE-VAN 10 Series 90°
	RAINBIRD 1800 SERIES HE-VAN 10 Series 180°
	RAINBIRD 1800 SERIES HE-VAN 12 Series 90°
	RAINBIRD 1800 SERIES HE-VAN 12 Series 180°
	RAINBIRD 1800 SERIES HE-VAN 12 Series 360°
	RAINBIRD 1800 SERIES HE-VAN 15 Series 90°
	RAINBIRD 3000 SERIES ROTARY FULL CIRCLE
	RAINBIRD 5000 SERIES ROTARY PART CIRCLE
Pipe (Lateral)	
Symbol	Description
	Class 160 PVC (Lateral)
Pipe (Mainline)	
Symbol	Description
	Schedule 40 PVC Pipe
Pipe (Sleeve)	
Symbol	Description
	Schedule 40 PVC Pipe
Valves	
Symbol	Description
	Rainbird PGA Valve
Water Meters	
Symbol	Description
	3 hp pump with motor controls, "Hot Stop" thermal sensor, suction line to well, check valve, slab, and prelubricated enclosure. Secure pump and enclosure to slab with threaded fasteners and lead anchors.
	Supply well capable of continuously producing 50gpm free of sand and debris.

cala
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PROJECT #: 2572
PHASE: PERMIT DRAWINGS

PROJECT:
LENNY'S CAR WASH
ADDRESS:
2210 N FEDERAL HIGHWAY,
DELRAY BEACH, FL, 33483

Landscape Architect: Christopher Cobezos

REVISIONS:
No. Date Description
A 06/15/26 CITY COMMENTS

0 10 20 40
Scale: 1" = 20'-0"
Drawn By: ESA
Checked By: CC
Date: 12/03/2025

IRRIGATION NOTES

IR-1.1