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IMEG
 The Future. Built Smarter.
 9133 R.G. SKINNER PARKWAY, SUITE 1
 JACKSONVILLE, FL

SUBMITTAL: ISSUE DATE:
 100% CONSTRUCTION DOCUMENTS 6/19/2024
 REVISION DESCRIPTION DATE

**CLAY COUNTY
 ECONOMIC
 DEVELOPMENT
 SERVICES
 FACILITY**

633 N. ORANGE AVE.
 GREEN COVE SPRINGS, FL 32043

KEY PLAN

DRAWING TITLE:

**LANDSCAPE DETAILS,
 NOTES, AND
 CALCULATIONS**

PROJECT NO.: 23-0204 DRAWN BY: LR
 CHECKED BY: JMS

LS-1

TREE CREDITS Sec. 113-279(b)

TREES PRESERVED ABOVE 12"

DBH/SPECIES	TREE CREDITS
32" LO.....	48"
18"17" LO.....	35"
11" LO.....	11"
12" LO.....	12"
14" HOLLY.....	7"
= 113" TOTAL TREE CREDITS AGAINST LANDSCAPE REQUIREMENTS	

PERIMETER LANDSCAPING CALCULATIONS Sec. 113-244(b)(1)

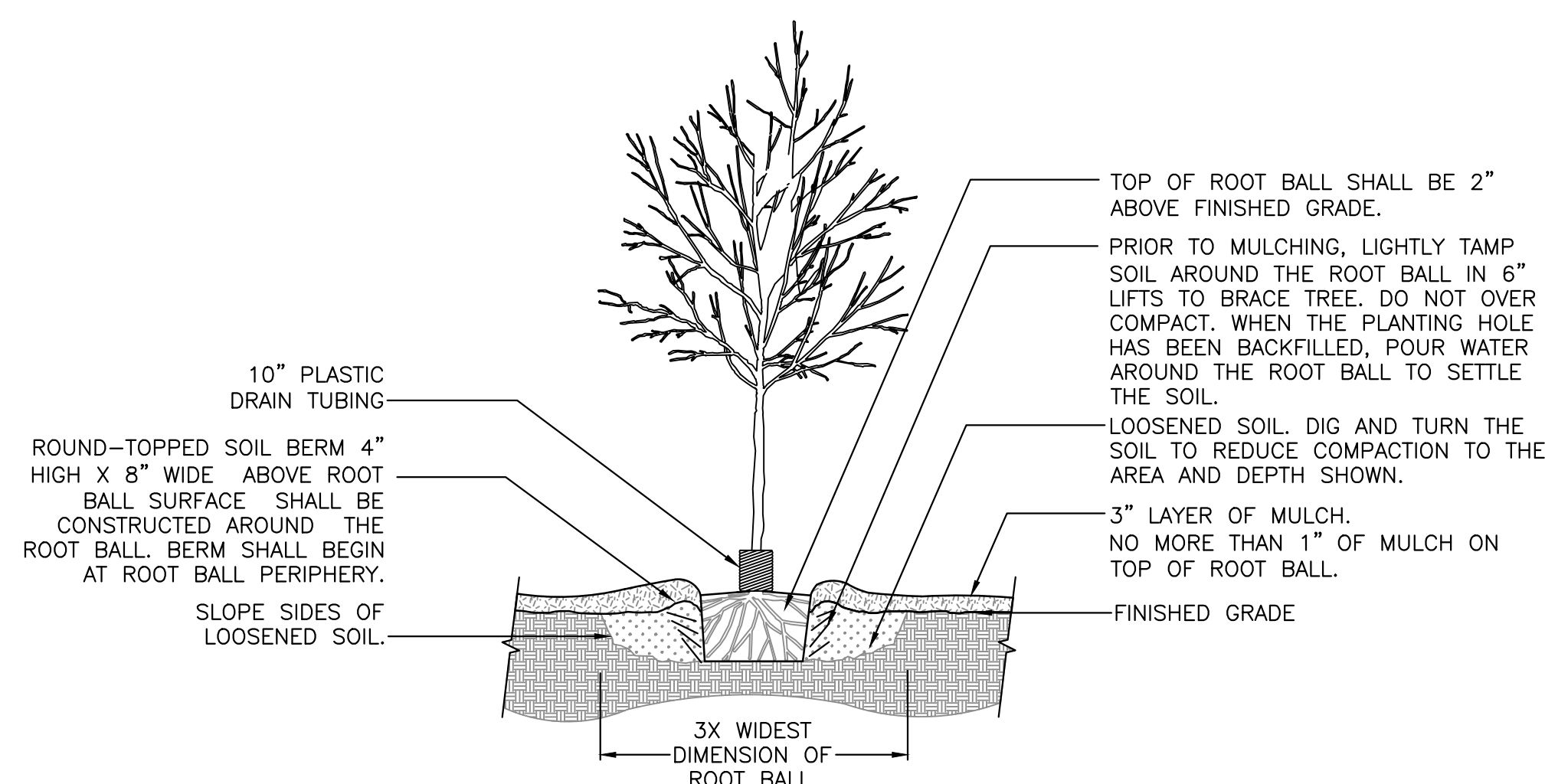
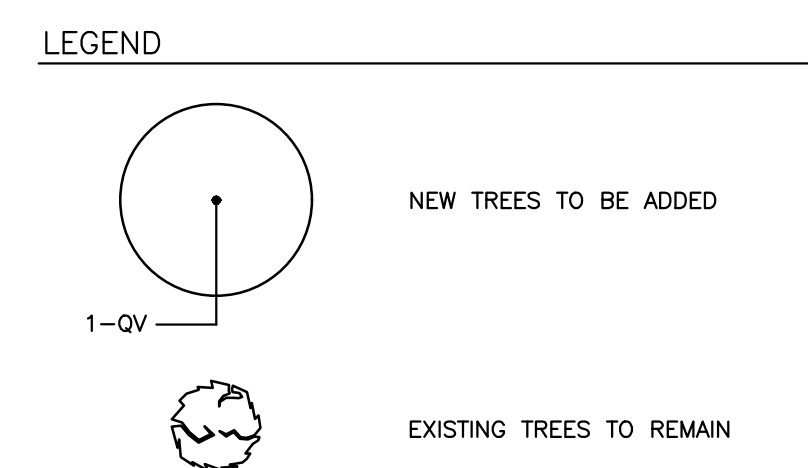
LOCATION	BUFFER LENGTH	REQUIRED LANDSCAPE	PROVIDED LANDSCAPE
NORTHERN PERIMETER ALONG ORANGE AVE	250 L.F.	1 SHADE TREE PROVIDED EVERY 50 LINEAR FEET & CONTINUOUS SHRUB = 5 SHADE TREES & CONTINUOUS HEDGE	5 SHADE TREES CONTINUOUS HEDGE
SOUTHERN PERIMETER ALONG PALMETTO AVE	215 L.F.	1 SHADE TREE PROVIDED EVERY 50 LINEAR FEET & CONTINUOUS SHRUB = 4 SHADE TREES & CONTINUOUS HEDGE	4 TREE CREDITS CONTINUOUS HEDGE

INTERIOR LANDSCAPING CALCULATIONS Sec. 113-244(b)(2)

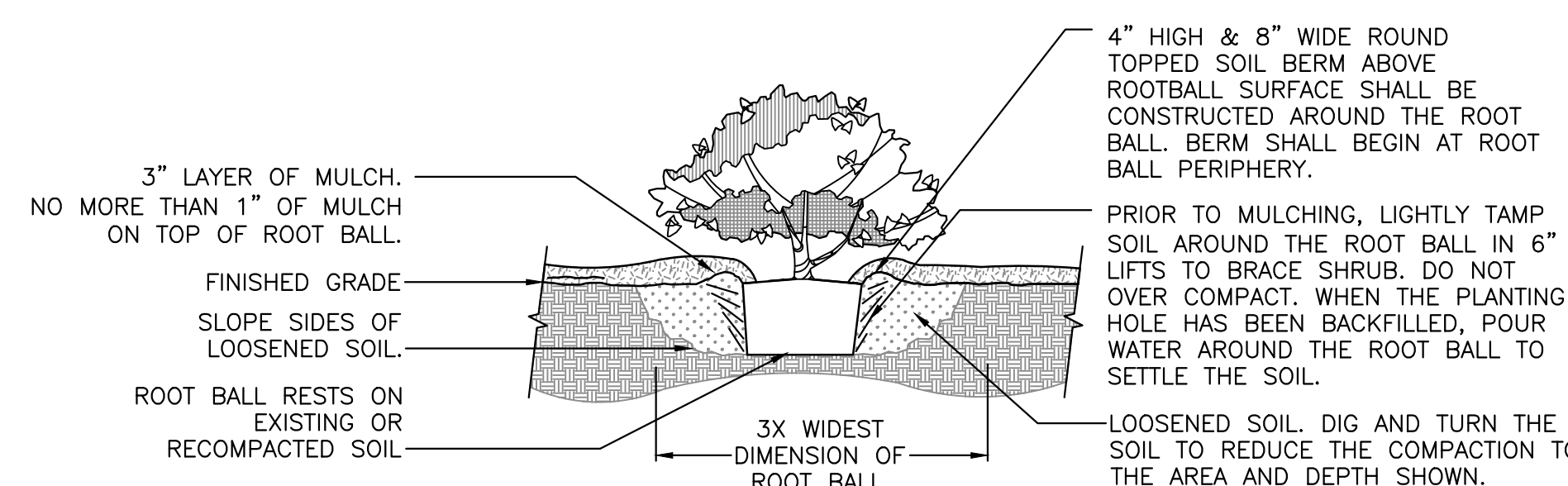
PROJECT SITE AREA.....	63,600 S.F.
TOTAL REQUIRED TREES PER 1,500 S.F. (FOR THE FIRST 10,500 S.F. OF THE PROJECT SITE AREA).....	7 TREES
TOTAL REQUIRED TREES PER 4,000 S.F. (FOR THE REMAINDER OF THE PROJECT SITE AREA).....	13 TREES
TOTAL REQUIRED TREES.....	20 TREES
TOTAL REQUIRED INCHES (AT 2"/TREE).....	40"
TOTAL PROVIDED INCHES (FROM APPLIED TREE CREDITS).....	40"
TOTAL REMAINDER TREE CREDITS.....	76"

TREE MITIGATION CALCULATIONS Sec. 113-279(g)

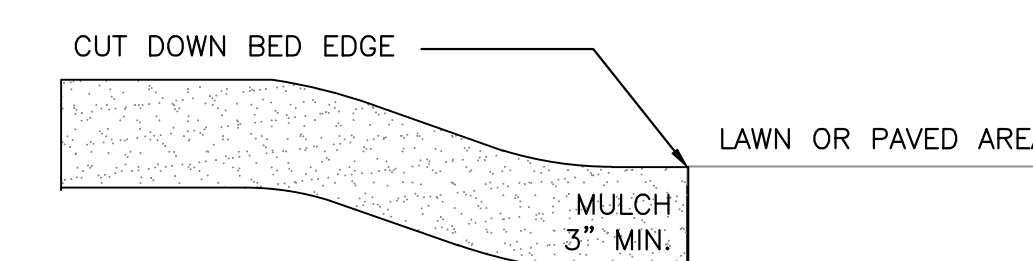
CATEGORY	MITIGATION CALCULATIONS
INCH-FOR-INCH REPLACEMENT	REMOVED LIVES OAKS
	DBH/SPECIES
	10" LO
	12" LO
	13" LO
TOTAL REMOVED LIVE OAK INCHES.....	35"
TOTAL REQUIRED REPLACEMENT LIVE OAKS INCHES.....	35"
TOTAL PROVIDED LIVE OAK INCHES.....	26"
TOTAL DEFICIT LIVE OAK INCHES.....	9"
REPLACEMENT	REMOVED TREES ABOVE 12"
	DBH/SPECIES
18" PALM	
15" PALM	
20" PALM	
TOTAL REMOVED TREE INCHES.....	71"
TOTAL REQUIRED REPLACEMENT TREE INCHES (AT 1/3 REPLACEMENT).....	24"
TOTAL TREE MITIGATION	TOTAL MITIGATION INCHES REQUIRED.....
TOTAL MITIGATION PROVIDED.....	33"
2 AR @ 2.0" = 4"	
10 CV @ 1.5" = 15"	
2 LM @ 2.0" = 4"	
5 GO @ 2.0" = 10"	
TOTAL MITIGATION INCHES DEFICIT.....	0"
TOTAL MITIGATION PAYMENT:	
DEFICIT PAYMENT (\$148/INCH).....	\$0.00
TOTAL PAYMENT REQUIRED.....	\$0.00



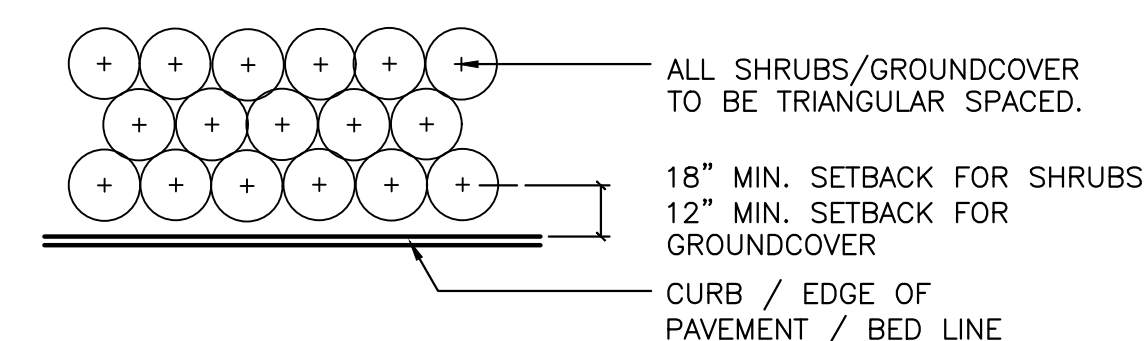
1 TREE PLANTING DETAIL
 SCALE: N.T.S.



2 SHRUB PLANTING DETAIL
 SCALE: N.T.S.



3 MULCH DETAIL
 SCALE: N.T.S.



NOTE: THE PERIMETER OF ALL CURVED PLANTING BEDS SHALL BE PLANTED WITH A ROW OF SHRUBS AS SHOWN IN THE PLANS AND AT THE SPACING SHOWN IN THE PLANT LIST. INTERIOR PORTIONS OF EACH BED SHALL BE PLANTED AT APPROPRIATE SPACING ACCORDING TO THIS PLANT SPACING DETAIL.

4 SHRUB PLANTING DETAIL
 SCALE: N.T.S.

GENERAL NOTES

ALL ASPHALT, LIMESTONE, AND CONSTRUCTION DEBRIS SHALL BE REMOVED FROM PLANTING BEDS AND SOD AREAS PRIOR TO LANDSCAPE INSTALLATION. IF ENCOUNTERED DURING CONSTRUCTION OR INSTALLATION, THESE SHALL BE EXCAVATED AND REMOVED FROM THE SITE. PLANTING DEPTH OF SOIL IN SUCH AREAS SHOULD BE AT LEAST 3" IF FILL MUST BE ADDED, IT MUST BE FLORIDA CLEAN DEEP FILL (FREE OF WEED SEEDS) WITH pH 6.0 - 7.5.

ALL LANDSCAPED AREAS SHALL BE MULCHED WITH 3" THICKNESS OF MULCH. PINE BARK MULCH SHALL BE USED IN ALL AREAS.

NEW TREES OUTSIDE OF MULCHED LANDSCAPED BEDS WILL BE PROTECTED FROM MOWER AND STRING TRIMMER DAMAGE WITH 10" OF PLASTIC DRAIN TUBING.

LEADER SHOOTS AND MAIN STRUCTURAL LIMBS OF TREES SHALL NOT BE TOPPED OR PRUNED. TREES WILL BE STAKED AS NEEDED. GUYLINES WILL BE OF NON-SYNTHETIC BIODEGRADABLE MATERIAL.

REFER TO CIVIL PLANS FOR TREE BARRICADE DETAILS AND INFORMATION.

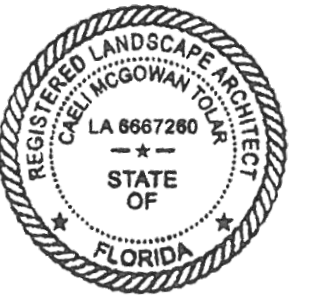
INVASIVE EXOTIC PLANT MATERIAL
 ALL INVASIVE PLANT SPECIES TO BE REMOVED FROM SITE PRIOR TO ISSUANCE OF THE CERTIFICATE OF OCCUPANCY.

GRASSING
 ALL DISTURBED AND UNPAVED AREAS TO BE GRASSED WITH SOD THAT IS FREE OF NOXIOUS WEEDS INCLUDING TROPICAL SODA APPLE OR SHALL BE SEEDED AND MULCHED. SEE CIVIL SITE PLANS FOR ADDITIONAL RELATED INFORMATION.

PLANT MATERIAL
 ALL PLANT MATERIAL TO BE FLORIDA NO.1 OR BETTER, GRADED IN ACCORDANCE WITH THE STATE OF FLORIDA DEPARTMENT OF AGRICULTURE, DIVISION OF PLANT INDUSTRY'S 'GRADES AND STANDARDS FOR NURSERY PLANTS', CURRENT EDITION AT THE TIME PLANS ARE ISSUED. CALL LANDSCAPE ARCHITECT PRIOR TO PURCHASING ANY PLANT MATERIAL FOR AN ON SITE INSPECTION AND REVIEW OF LANDSCAPE PLAN.

PLANT QUANTITIES SHOWN ARE FOR PERMITTING PURPOSES ONLY. IT IS THE RESPONSIBILITY OF THE CONTRACTOR TO CONFIRM ALL QUANTITIES SHOWN ON THE PLAN.

IRRIGATION
 LANDSCAPE IRRIGATION TO BE PROVIDED BY AUTOMATIC IRRIGATION SYSTEM. BUBBLERS SHALL BE INSTALLED BY EACH TREE AS PART OF THE IRRIGATION SYSTEM.

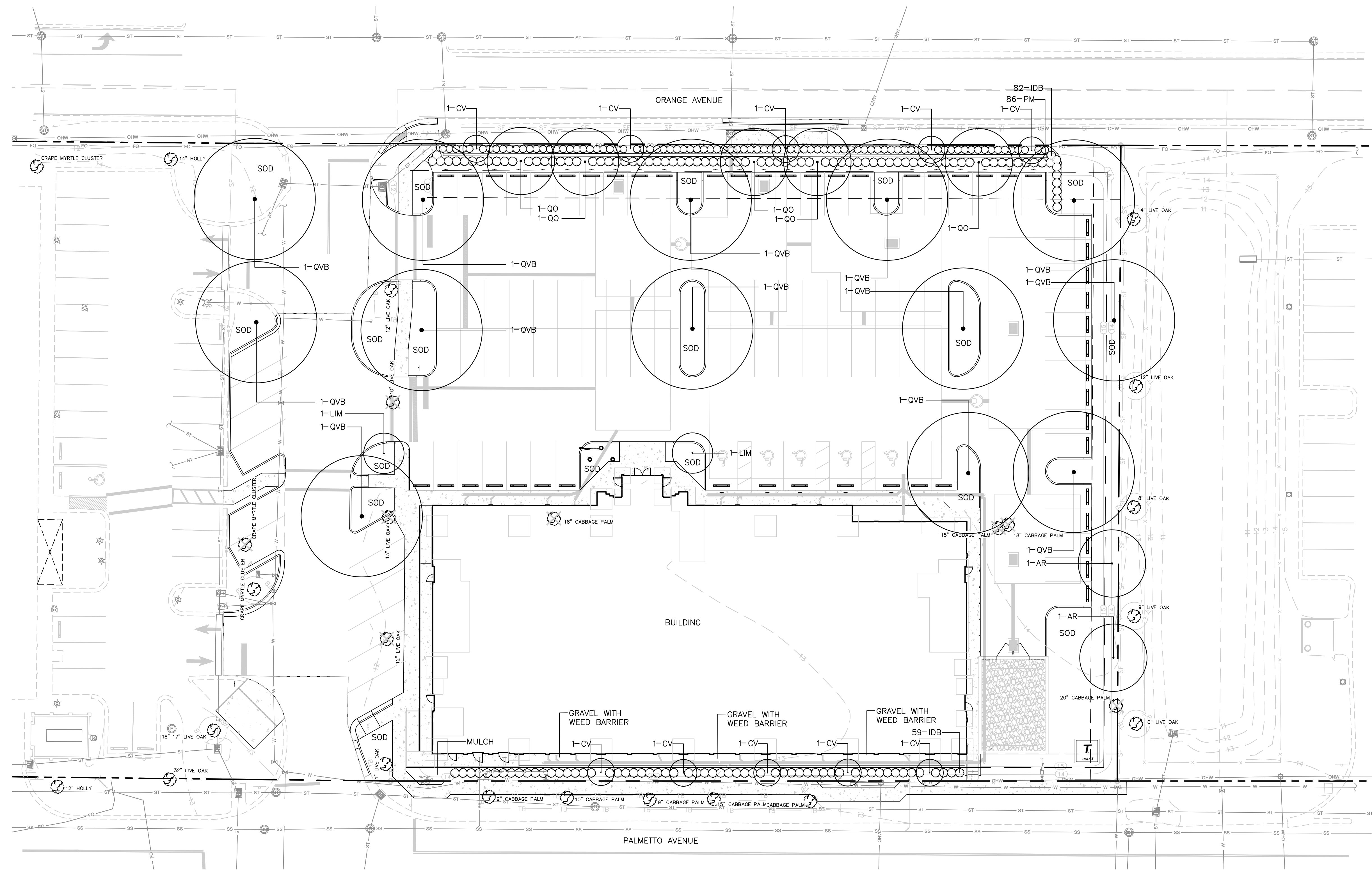


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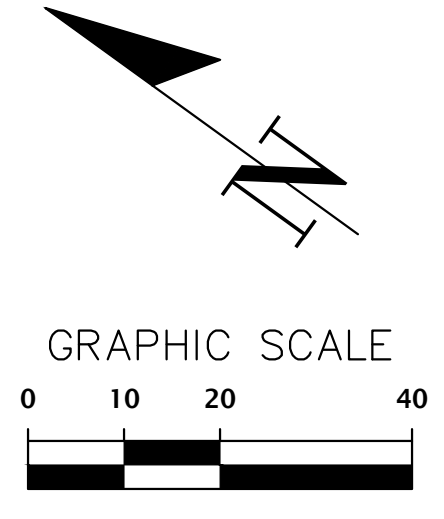
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PLANT SCHEDULE

CODE	QTY	BOTANICAL NAME	COMMON NAME	SIZE
TREES				
AR	2	ACER RUBRUM 'FLORIDA FLAME'	FLORIDA FLAME RED MAPLE	30 GAL, 11' HT, 3" SPR, 2" CAL
CV	10	CHIONANTHUS VIRGINICUS	WHITE FRINGETREE	15 GAL, 9' HT., 30" SPR., 1-1/2" CAL
LIM	2	LAGERSTROEMIA INDICA 'MUSKOGEE'	MUSKOGEE CRAPE MYRTLE	30 GAL, 10' HT, 4" SPR, 2" CAL
QO	5	QUERCUS MICHAUXII	BASKET OAK	30 GAL, 12' HT, 42" SPR, 2" CAL
QVB	13	QUERCUS VIRGINIANA 'BOARDWALK'	BOARDWALK LIVE OAK	30 GAL, 12' HT, 54" SPR, 2" CAL
SHRUBS				
IDB	141	ILEX CORNUTA 'DWARF BURFORDII'	DWARF BURFORD HOLLY	3 GAL, 24" HT, 16" SPR
PM	86	PODOCARPUS MACROPHYLLUS 'DWARF PRINGLES'	DWARF PRINGLES PODOCARPUS	3 GAL., 24" HT., 18" SPR.
SOD/SEED				
SOD		PASPALUM NOTATUM 'ARGENTINE'	BAHIA GRASS	WEED FREE AND SAND GROWN SOD



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LANDSCAPE PLAN

PROJECT NO.: 23-0204 DRAWN BY: LR
CHECKED BY: JMS

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