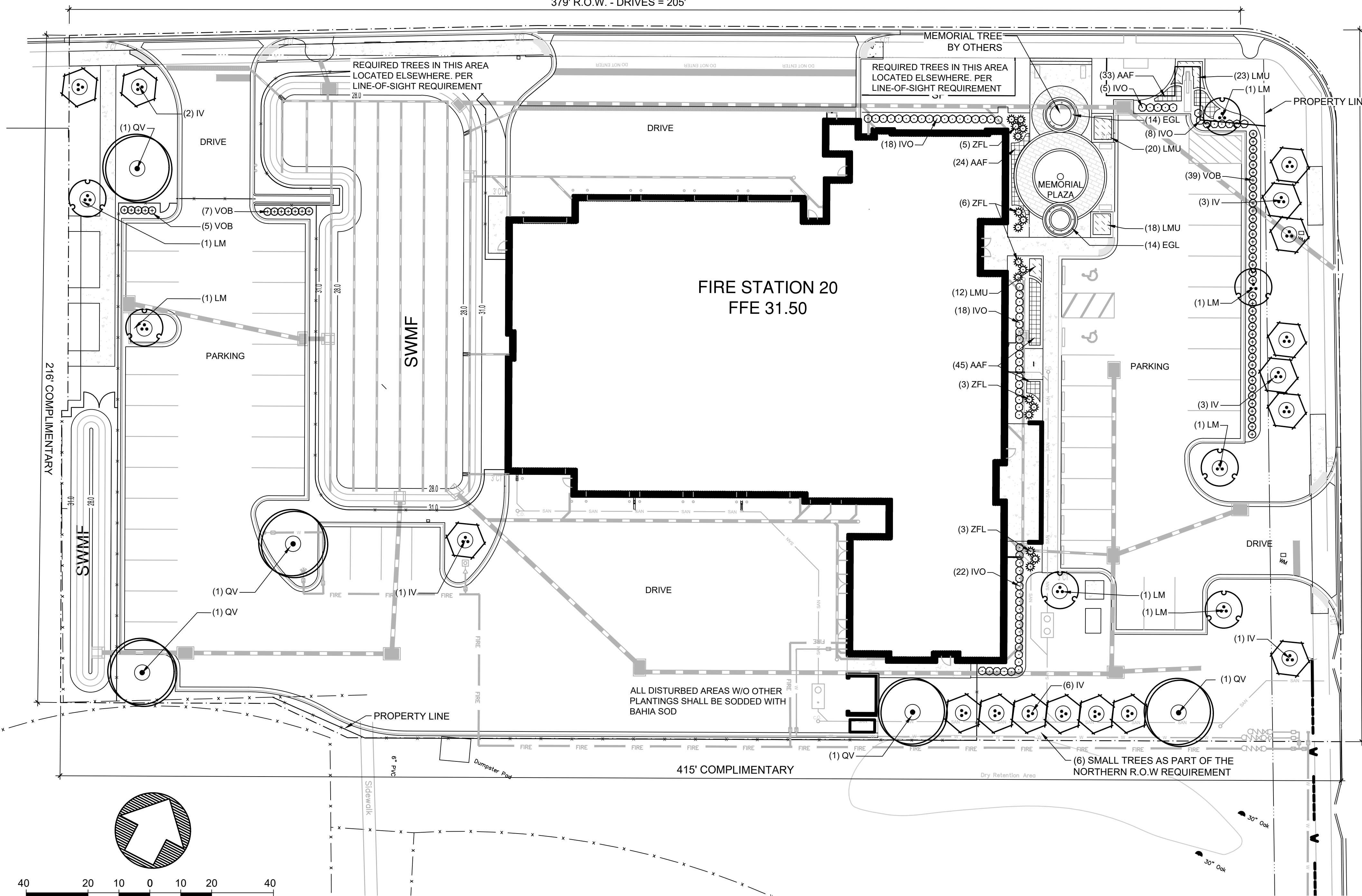


State Road 16 - Idlewild Avenue

379' R.O.W. - DRIVES = 205'



South  
West  
Street



Plant Schedule

SYMBOL	CODE	BOTANICAL NAME	COMMON NAME	QTY
<b>TREES</b>				
	IV	ILEX VOMITORIA 'PRIDE OF HOUSTON' 3" CAL., 8' HT. X 3' SPRD., (3) 1" TRNKS	PRIDE OF HOUSTON YAUPON	16
	LM	LAGERSTROEMIA X 'MUSKOGEE' 3" CAL., 8' HT & 3' SPRD., MULTI.(3) -1" TRK'S	MUSKOGEE CREPE MYRTLE	7
	QV	QUERCUS VIRGINIANA 4" CAL., 14' HT., 6' SPRD., 5' CT	LIVE OAK	5
<b>SHRUBS</b>				
	IVO	ILEX VOMITORIA 'SHILLINGS' 24" HT. & 18" SPRD.	DWARF YAUPON HOLLY	71
	VOB	VIBURNUM OBOVATUM 'DENSEA' 24" HT. MIN., FULL IN POT	DWARF WALTER'S VIBURNUM	51
	ZFL	ZAMIA FLORIDANA 5 GAL. MIN., FULL IN POT	COONTIE PALM	17
<b>GROUND COVERS</b>				
	AAF	AGAPANTHUS AFRICANUS 1 GAL., 8" HT. FULL, 18" O.C.	LILY OF THE NILE	102
	EGL	EVOLVULUS GLOMERATUS 'BLUE DAZE' 1 GAL., FULL, 18" O.C.	BLUE DAZE	28
	LMU	LIRIOPE MUSCARI 'EMERALD GODDESS' 1 GAL., 14" HT. FULL, 18" O.C.	LIRIOPE	73

MULCH MIN. 2" DEPTH ALL PLANTINGS PINE BARK NUGGETS SEE DETAILS

Clay County Requirements

Planting Data

TOTAL POINTS PLANTED					
QUANTITY	COMMON NAME	TYPE	NATIVE	PTS PER	PTS TOTAL
5	4" Live Oak	Canopy	Y	4.4	22
7	3" Crepe Myrtle	Non-Can	N	3.3	23.1
16	3" Yaupon Holly	Non-Can	Y	3.3	52.8
				TOTAL	97.9

VUA POINTS PLANTED					
QUANTITY	COMMON NAME	TYPE	NATIVE	PTS PER	PTS TOTAL
7	3" Crepe Myrtle	Non-Can	N	3.3	23.1
1	3" Yaupon Holly	Non-Can	Y	3.3	3.3
5	4" Live Oak	Canopy	Y	4.4	22
				TOTAL	48.4

VUA Canopy Calculations			
TYPE	POINTS	PERCENT	
5 Canopy	22	45%	
8 Understory	26.4	55%	

VUA Native Calculations			
TYPE	POINTS	PERCENT	
6 Native	25.3	52%	
7 Non Native	23.1	48%	

ROW POINTS NORTH					
QUANTITY	COMMON NAME	TYPE	NATIVE	PTS PER	PTS TOTAL
8	3" Yaupon Holly	Non-Can	Y	3.3	26.4

ROW POINTS EAST					
QUANTITY	COMMON NAME	TYPE	NATIVE	PTS PER	PTS TOTAL
7	3" Yaupon Holly	Non-Can	Y	3.3	23.1

ROW Canopy Calculations -Total			
TYPE	POINTS	PERCENT	
N/A Canopy			
16 Understory -Overhead Utility	52.8	100%	

ROW Native Calculations -Total			
TYPE	POINTS	PERCENT	
Native	52.8	100%	
Non Native	0	0%	

AREA CALCULATIONS

Gross Area 2.15 Acres

Required Shade Coverage Point Calculation  
2.15 acres x 16 pts/acre = 34.4 pts

Minimum Size Distribution Calculation  
20% Small = 0.2 x 34.4 points required = 6.9  
10% Medium = 0.2 x 34.4 points required = 3.4  
10% Large = 0.2 x 34.4 points required = 3.4

Interior VUA 36018 SF  
Green Space: ( 36018 SF x 0.1 ) = 3602 SF  
Tree Points: ( 3601.8 SF / 150 ) x 2 = 48.02 SF

Right of Way Buffer - North  
6 PTS/100 LF: 205 /100 LF x 6 = 12.3 PTS  
Overhead Utility Dictates: Double Understory = 24.6 PTS  
26.4 Pts Provided 8 Understory Trees

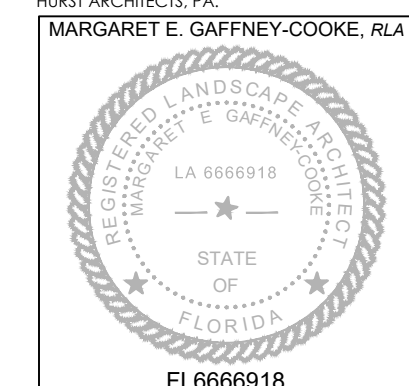
Right of Way Buffer - East  
6 PTS/100 LF: 170 /100 LF x 6 = 10.2 PTS  
Overhead Utility Dictates: Double Understory = 20.4 PTS  
23.1 Pts Provided 7 Understory Trees

Fire department requirement:  
no trees to be placed in the sight triangle from the building truck exit

REVISIONS

#	DATE	DESCRIPTION

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DATE: 11/10/2023

LANDSCAPE PLAN

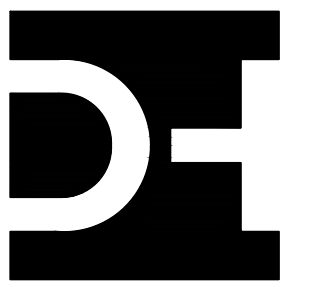
PROJECT NO.: 23002

L1.1

90% DOCUMENTS

**DASHER HURST ARCHITECTS**  
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 JACKSONVILLE, FL 32256  
 MEP ENGINEER  
**POWELL & HINKLE ENGINEERING, P.A.**  
 1409 HUNTERS AVENUE, BLDG 12A  
 ORANGE PARK, FL 32073  
 CIVIL ENGINEER  
**GOODSON BERGEN & ASSOC**  
 11555 CENTRAL PARKWAY, SUITE 103  
 JACKSONVILLE, FL 32224

CLAY COUNTY  
**CLAY CO FIRE STATION 20**  
 1305 FL-16, GREEN COVE SPRINGS, FL



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PHONE: 904.425.1190  
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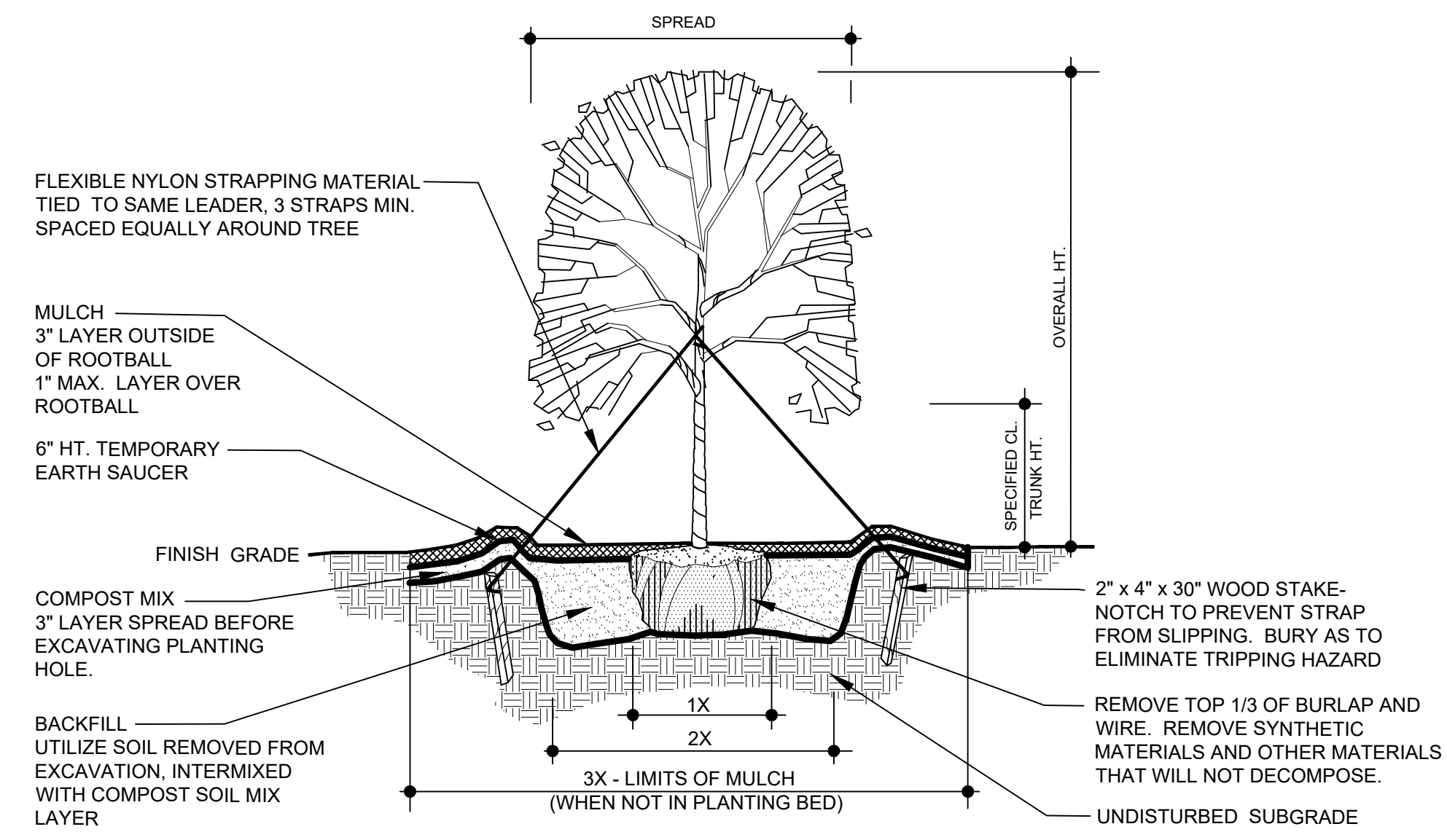
STRUCTURAL ENGINEER  
**G.M. HILL ENGINEERING, INC.**

9700 PHELPS HWY, SUITE 101  
JACKSONVILLE, FL 32256  
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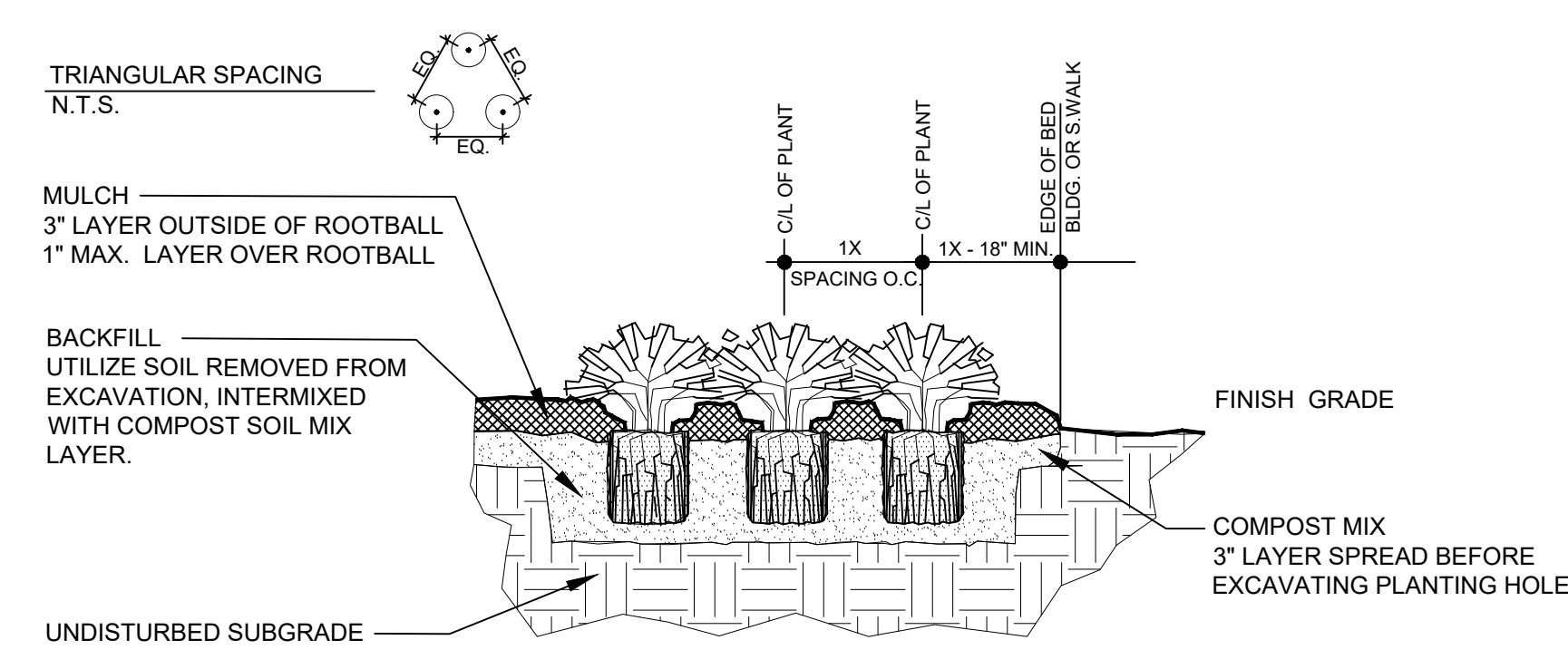
11555 CENTRAL PARKWAY, SUITE 103  
JACKSONVILLE, FL 32224

CLAY COUNTY  
**CLAY CO FIRE STATION 20**  
1305 FL-16, GREEN COVE SPRINGS, FL



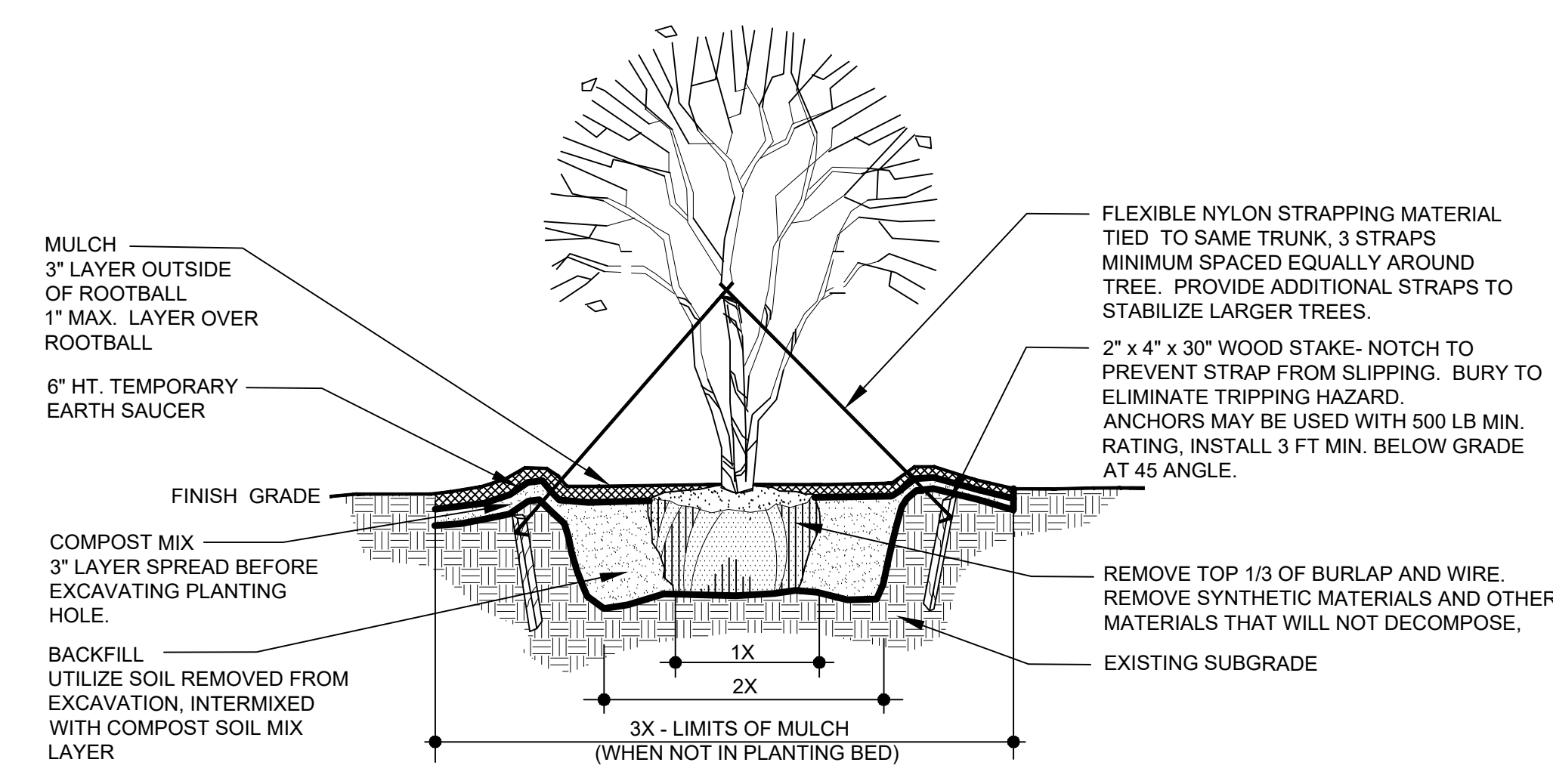
- NOTES:**
- PLANT TOP OF ROOT BALL 2" ABOVE FINISH GRADE.
  - BOTTOM OF ROOT BALL SHALL BE SEATED DIRECTLY ON UNDISTURBED SUBGRADE.
  - TOPMOST ROOT-ROOT FLARE SHALL BE MADE VISIBLE PRIOR TO PLANTING.
  - ROOT DEFECTS - INSPECT ROOT BALL FOR ROOT DEFECTS. CUT ROOTS WHERE THEY BEGIN TO KINK OR CIRCLE. ROOT BALL SHALL COMPLY WITH FLORIDA GRADES AND STANDARDS.
  - STAKE ABOVE FIRST STRONG BRANCHES TO PROVIDE FIRM SUPPORT.

**TREE PLANTING - SINGLE TRUNK**



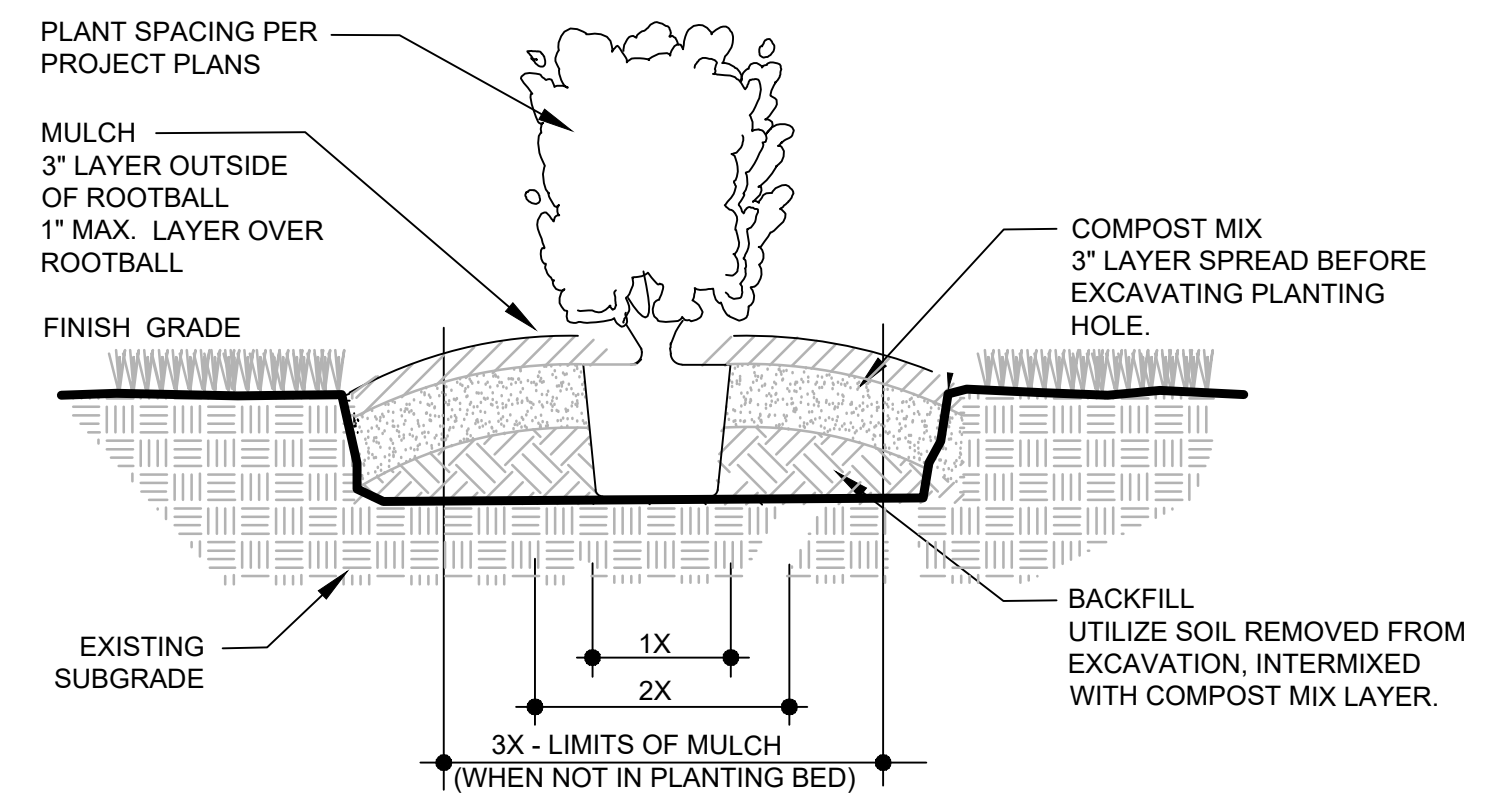
- NOTES:**
- GROUND COVER PLANTS SHALL BE SPACED AS INDICATED ON PROJECT PLANS.
  - 6" MIN. BACKFILL AROUND SIDES OF ROOT BALL, 3" ON BOTTOM. WATER AND TAMP TO REMOVE AIR POCKETS.
  - PLANT TOP OF ROOT BALL 1" HIGHER THAN TOP OF COMPOST LAYER.
  - TOPMOST ROOT SHALL BE MADE VISIBLE PRIOR TO PLANTING.
  - ROOT DEFECTS - INSPECT ROOT BALL FOR ROOT DEFECTS. CUT ROOTS WHERE THEY BEGIN TO KINK OR CIRCLE. ROOT BALL SHALL COMPLY WITH FLORIDA GRADES AND STANDARDS.

**SHRUB AND GROUNDCOVER PLANTING BED**  
N.T.S.



- NOTES:**
- PLANT TOP OF ROOT BALL 2" ABOVE FINISH GRADE.
  - BOTTOM OF ROOT BALL SHALL BE SEATED DIRECTLY ON UNDISTURBED SUBGRADE.
  - TOPMOST ROOT-ROOT FLARE SHALL BE MADE VISIBLE PRIOR TO PLANTING.
  - ROOT DEFECTS - INSPECT ROOT BALL FOR ROOT DEFECTS. CUT ROOTS WHERE THEY BEGIN TO KINK OR CIRCLE. ROOT BALL SHALL COMPLY WITH FLORIDA GRADES AND STANDARDS.
  - STAKE ABOVE FIRST STRONG BRANCHES TO PROVIDE FIRM SUPPORT.

**MULTIPLE STEM TREE PLANTING**



- NOTES:**
- PLANT TOP OF ROOT BALL 1" HIGHER THAN TOP OF COMPOST LAYER.
  - 6" MIN. BACKFILL AROUND SIDES OF ROOT BALL, 3" ON BOTTOM. WATER AND TAMP TO REMOVE AIR POCKETS.
  - TOPMOST ROOT-ROOT FLARE SHALL BE MADE VISIBLE PRIOR TO PLANTING.
  - ROOT DEFECTS - INSPECT ROOT BALL FOR ROOT DEFECTS. CUT ROOTS WHERE THEY BEGIN TO KINK OR CIRCLE. ROOT BALL SHALL COMPLY WITH FLORIDA GRADES AND STANDARDS.

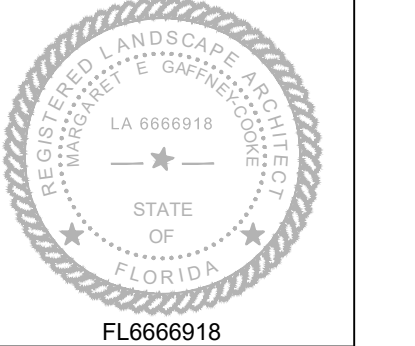
**SHRUB PLANTING - NOT IN PLANTING BED**  
N.T.S.

**REVISIONS**

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MARGARET E. GAFFNEY-COOKE, RLA



DATE: 11/10/2023

**LANDSCAPE DETAILS**

PROJECT NO.: 23002

