

			TOTAL	240	1148
15%	Winged ⊞m	9	5	36	180
10%	Bald Cypress	E	5	24	120
8%	Cabbage Palmetto	£	3	19	57
17%	Southern Live Oak	¥B	6	41	246
8%	Southern Magnolia	¥B	5	19	95
10%	Muskogee Crape Myrtle	Æ	6	23	138
4%	Southern Red Cedar	₹	4	9	36
29%	Eagleston Holly	哥	4	69	276
PERCENTAGE	COMMON NAME	NATIVE	SIZE	QTY	TOTAL

OVE	RALL	PLANT SCHEDULE				
SYMBOL	CODE	BOTANICAL NAME	COMMON NAME	NATIVE	SIZE	QTY
TREES			1	1	1	
0	IE	llex x attenuata 'Eagleston'	Eagleston Holly	YES	4" Cal. / 10` Ht.	69
(°)	JS	Juniperus silicicola	Southern Red Cedar	YES	4" Cal. / 10` Ht.	9
$\overline{}$	LM	Lagerstroemia indica x fauriei 'Muskogee'	Muskogee Crape Myrtle	YES	6" Cal./ 12` clear trunk	23
	MG	Magnolia grandiflora	Southern Magnolia	YES	5" Cal. / 14`-16` Ht.	19
\bigcirc	QV	Quercus virginiana	Southern Live Oak	YES	6" Cal. / 14` Ht.	41
WWW. W.	ss	Sabal palmetto	Cabbage Palmetto	YES	12` Ct.	19
24 + 4	TD	Taxodium distichum	Bald Cypress	YES	5" Cal. / 14`-16` Ht.	24
+	UA	Ulmus alata	Winged Elm	YES	5" Cal. / 14`-16` Ht.	36
SHRUBS						
\bigcirc	IV	llex vomitoria	Yaupon Holly	YES	24" Ht. 36" O.C.	258
·	VO	Viburnum obovatum	Walter's Viburnum	YES	24" Ht. 36" O.C.	215
SHRUB AI	REAS			1		
	МС	Muhlenbergia capillaris	Pink Muhly Grass	YES	24" Ht. / 36" OC.	24

YMBOL	CODE	BOTANICAL NAME	COMMON NAME	NATIVE	SIZE	QTY
REES					,	
	IE	llex x attenuata 'Eagleston'	Eagleston Holly	YES	2" Cal. / 10` Ht.	14
	LM	Lagerstroemia indica x fauriei 'Muskogee'	Muskogee Crape Myrtle	YES	4" Cal. / 14` Ht.	16
	MG	Magnolia grandiflora	Southern Magnolia	YES	3" Cal. / 14` C.T.	13
$\overline{(\cdot)}$	QV	Quercus virginiana	Southern Live Oak	YES		3
MAN AN A	SS	Sabal palmetto	Cabbage Palmetto	YES		6

BUFFER REQUIREMENTS

PROPERTY FRONTING U.S HIGWAY 17

- -CANOPY TREES : 1434 L.F. / 50 = 28.68 ≈ 29 CANOPY TREES REQUIRED PROPOSED 16 AND EXISTING 17 TREES TO REMAIN= 33 CANOPY TREES.
- -NON-CANOPY OR UNDERSTORY TREE : 4 TREES / 100 L.F. = 1434 L.F. / 25 = 57.36 ≈ 57 NON-CANOPY TREES REQUIRED PROPOSED 36 NON-CANOPY TREES.
- -SHRUBS : 9 SHRUBS / 100 L.F. = 1434 L.F. / 11.11 = 129.06 ≈ 129 SHRUBS REQUIRED PROPOSED 199 SHRUBS.

YMBOL	CODE	BOTANICAL NAME	COMMON NAME	NATIVE	SIZE	QTY
TREES		_				
0	IE	llex x attenuata 'Eagleston'	Eagleston Holly	YES	2" Cal. / 10` Ht.	17
	LM	Lagerstroemia indica x fauriei 'Muskogee'	Muskogee Crape Myrtle	YES	4" Cal. / 14` Ht.	7
	MG	Magnolia grandiflora	Southern Magnolia	YES	3" Cal. / 14` C.T.	6
$\overline{(\cdot)}$	QV	Quercus virginiana	Southern Live Oak	YES		14
WWW WWW WWW WWW WWW WWW WWW WWW WWW WW	ss	Sabal palmetto	Cabbage Palmetto	YES		12
3 + C	TD	Taxodium distichum	Bald Cypress	YES		24
+	UA	Ulmus alata	Winged Elm	YES	3" Cal. / 10` Ht.	36
SHRUBS						
\odot	IV	Ilex vomitoria	Yaupon Holly	YES	24" Ht. 36" O.C.	252
\odot	VO	Viburnum obovatum	Walter's Viburnum	YES	24" Ht. 36" O.C.	14
SHRUB AF	REAS					
	мс	Muhlenbergia capillaris	Pink Muhly Grass	YES	24" Ht. / 36" OC.	247

INTERIOR LANDSCAPE AREA: The trees shall be and equal proportion of shade (canopy and understory trees. At minimum, 15% of the site shall be landscaped.

SILT FENCE AREA = 13.65 ACRES X 15% = 2.04 ACRES INTERNAL LANDSCAPE REQUIRED. PARKING AREA = 151,377 /43,560 = 3.47 ACRES.

PARKING ISLANDS = 18,446 / 43560 = 0.42 ACRES INTERNAL LANDSCAPE PROPOSED = 4.60 ACRES TOTAL CANOPY TREES = 80 PROPOSED

TOTAL NON CANOPY = 36 PROPOSED. EXISTING 46 TREES TO REMAIN.
5 SHRUBS REQUIRED PER EACH PROPSED TREE = 116 TREES X 5 = 580 SRHUBS REQ. PROPOSED 620 SHRUBS.

PLAN	IT SC	CHEDULE BUF	FER A			
SYMBOL	CODE	BOTANICAL NAME	COMMON NAME	NATIVE	SIZE	QTY
TREES						
0	IE	llex x attenuata 'Eagleston'	Eagleston Holly	YES	2" Cal. / 10` Ht.	5

Southern Live Oak YES

BUFFER A: -CANOPY TREES : 1/ 50 L.F. = 271 L.F./50 L.F.= 5 CANOPY TREES REQUIRED

Quercus virginiana

PROPOSED 3 AND EXISTING 2 TREES OFF-SITE= 5 CANOPY TREES. -NON-CANOPY OR UNDERSTORY TREE : 1/50 L.F. = 271 L.F. / 50 = 5 NON-CANOPY TREES REQUIRED PROPOSED 5 NON-CANOPY TREES.

PLAN	IT SC	CHEDULE BUF	FER B			
SYMBOL	CODE	BOTANICAL NAME	COMMON NAME	NATIVE	SIZE	QTY
TREES						
\bigcirc	IE	llex x attenuata 'Eagleston'	Eagleston Holly	YES	2" Cal. / 10` Ht.	6
\bigcirc	QV	Quercus virginiana	Southern Live Oak	YES		3

BUFFER B:
-CANOPY TREES: 1/50 L.F. = 319 L.F./50 L.F.= 6 CANOPY TREES REQUIRED PROPOSED 3 AND EXISTING 1 TREES OFF-SITE= 4 CANOPY TREES (CAN'T PLANT ON EASEMENT). -NON-CANOPY OR UNDERSTORY TREE : 1/50 L.F. = 319 L.F. / 50 = 6 NON-CANOPY TREES REQUIRED PROPOSED 6 NON-CANOPY TREES.

PLAN	NT SO	CHEDULE BUF	FER C			
SYMBOL	CODE	BOTANICAL NAME	COMMON NAME	NATIVE	SIZE	QTY
TREES	<u> </u>		T	1		
(\cdot)	IE	llex x attenuata 'Eagleston'	Eagleston Holly	YES	2" Cal. / 10` Ht.	21
(°)	JS	Juniperus silicicola	Southern Red Cedar	YES	3" Cal. / 8` Ht.	9
$\overline{\left(\cdot\right)}$	QV	Quercus virginiana	Southern Live Oak	YES		5

BUFFER C:
-CANOPY TREES: 1/50 L.F. = 1,337 L.F./50 L.F. = 27 CANOPY TREES REQUIRED
PROPOSED 14 AND EXISTING 10 TREES OFF-SITE= 24 CANOPY TREES

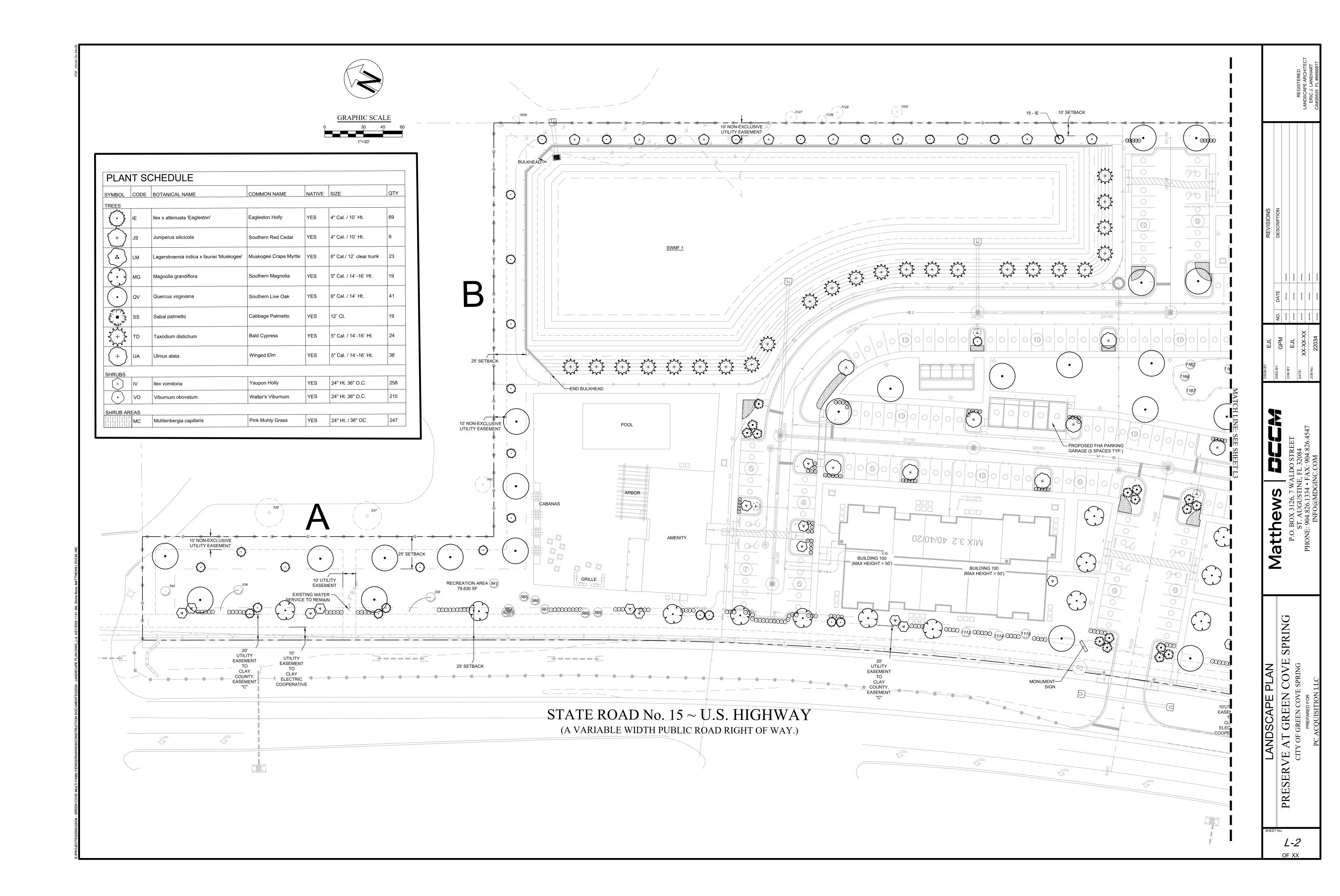
-NON-CANOPY OR UNDERSTORY TREE : 1/50 L.F. = 1,337 L.F. / 50 = 27 NON-CANOPY TREES REQUIRED PROPOSED 21 NON-CANOPY TREES.

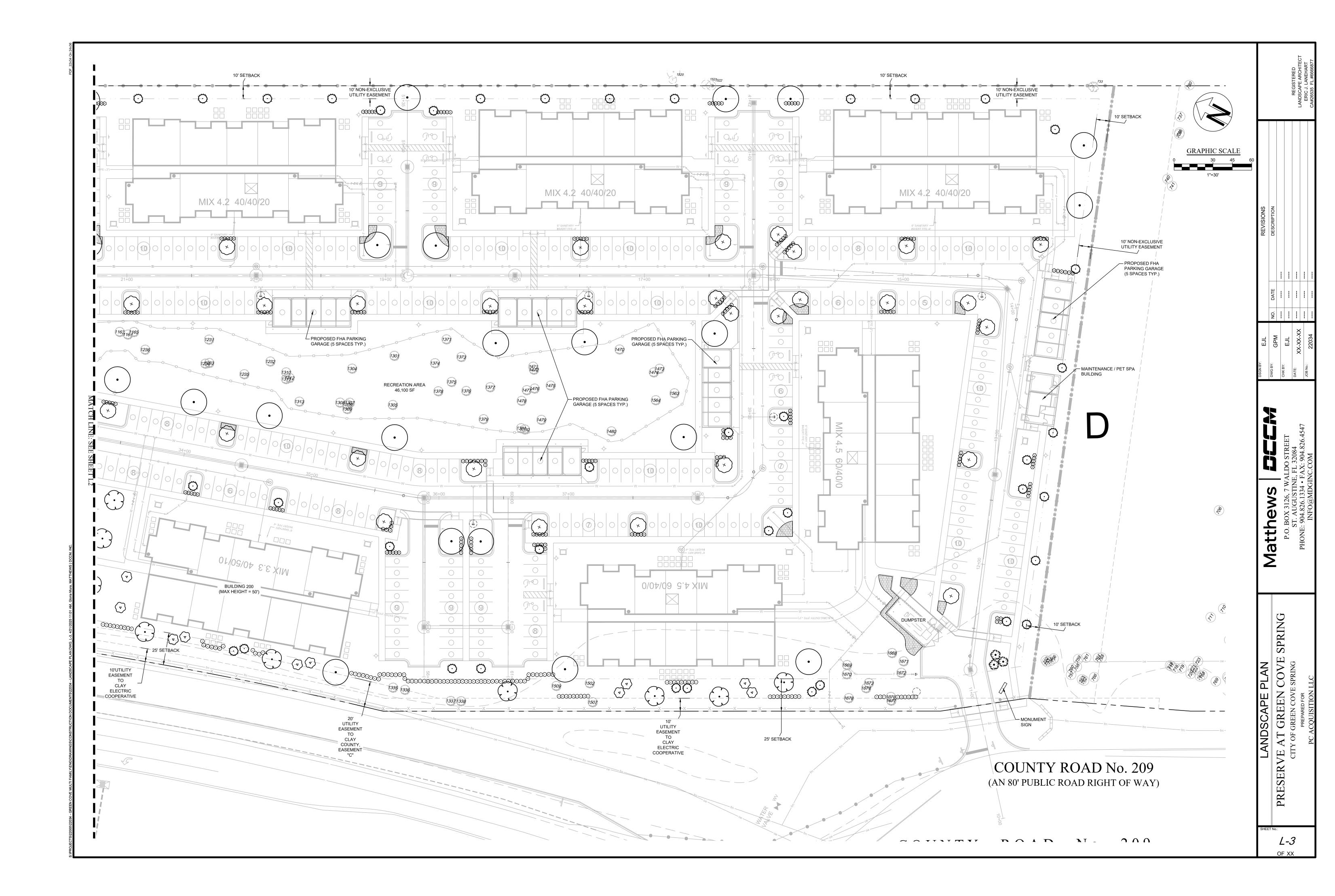
PLANT SCHEDULE BUFFER D								
SYMBOL	CODE	BOTANICAL NAME	COMMON NAME	NATIVE	SIZE	QTY		
TREES								
O	IE	llex x attenuata 'Eagleston'	Eagleston Holly	YES	2" Cal. / 10` Ht.	6		
\bigcirc	QV	Quercus virginiana	Southern Live Oak	YES		2		

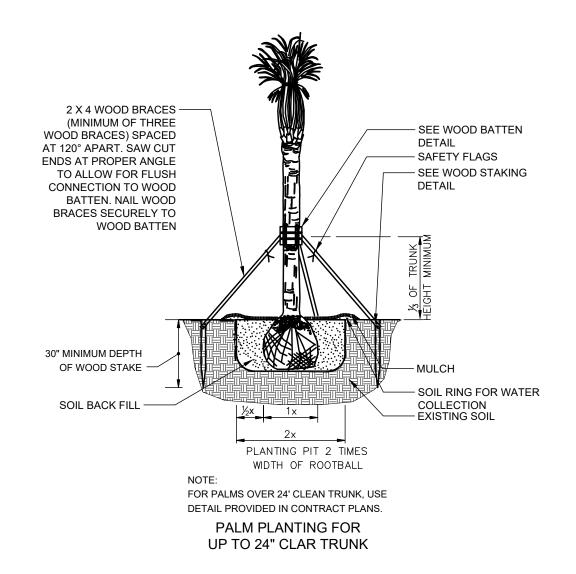
BUFFER D:
-CANOPY TREES: 1/50 L.F. = 477 L.F./50 L.F.= 10 CANOPY TREES REQUIRED PROPOSED 2 CANOPY TREES

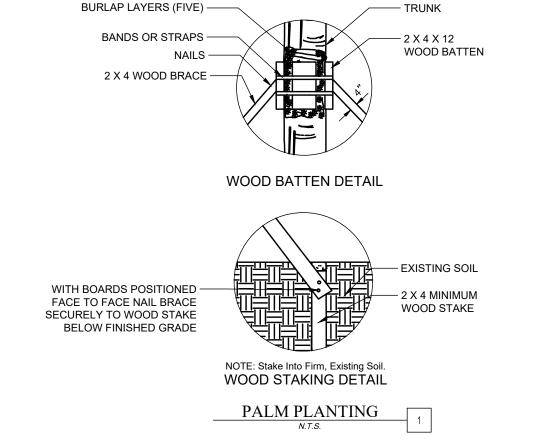
-NON-CANOPY OR UNDERSTORY TREE : 1/50 L.F. = 477 L.F. / 50 = 10 NON-CANOPY TREES REQUIRED PROPOSED 6 NON-CANOPY TREES.

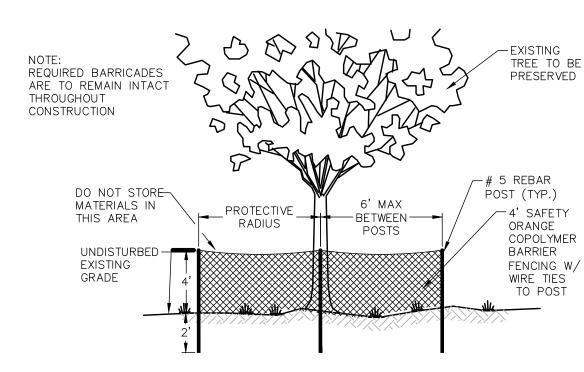
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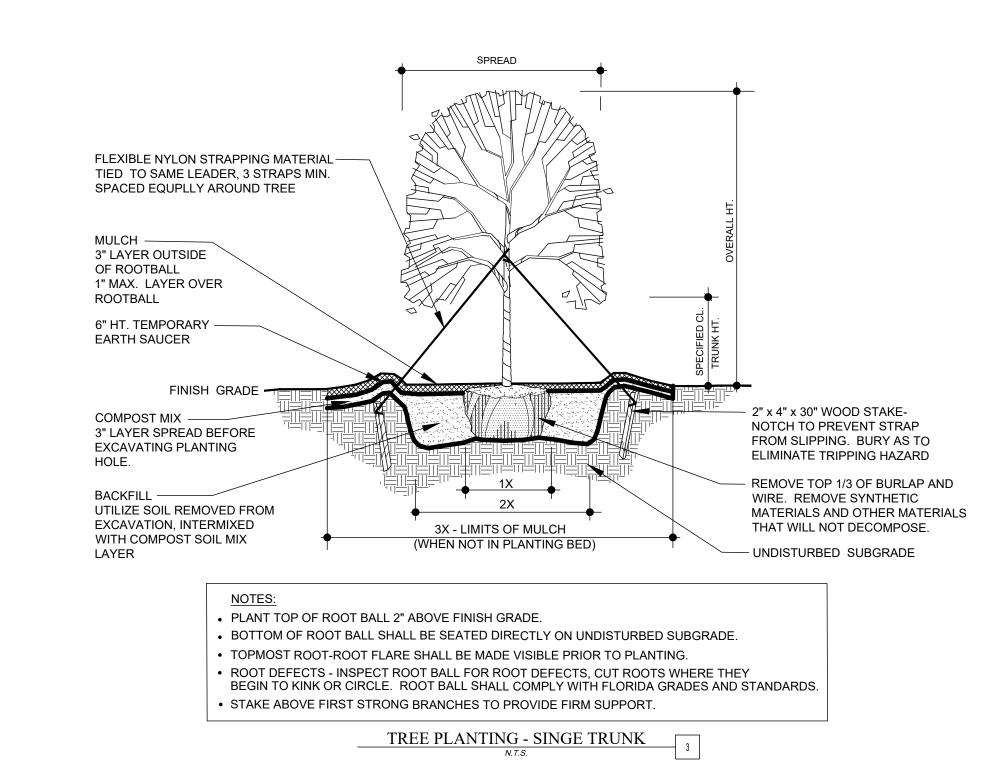


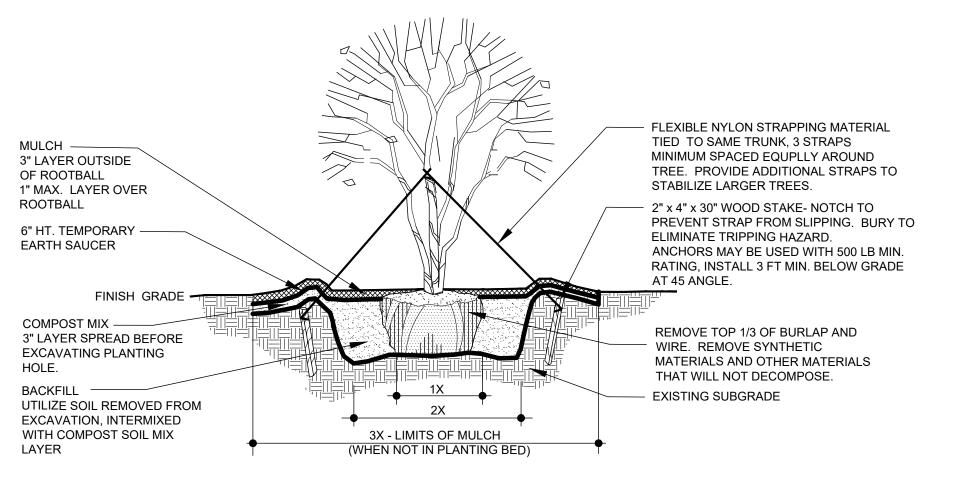


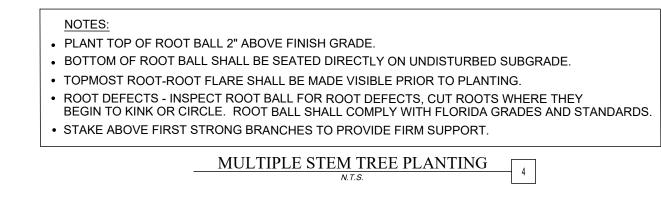
ALL PROTECTED TREES, PRESERVED UNDERSTORY VEGETATION, AND TREES RETAINED FOR TREE CREDIT SHALL BE PROTECTED FROM INJURY DURING ANY LAND CLEARING AND CONSTRUCTION PROCESS IN THE FOLLOWING MANNER.

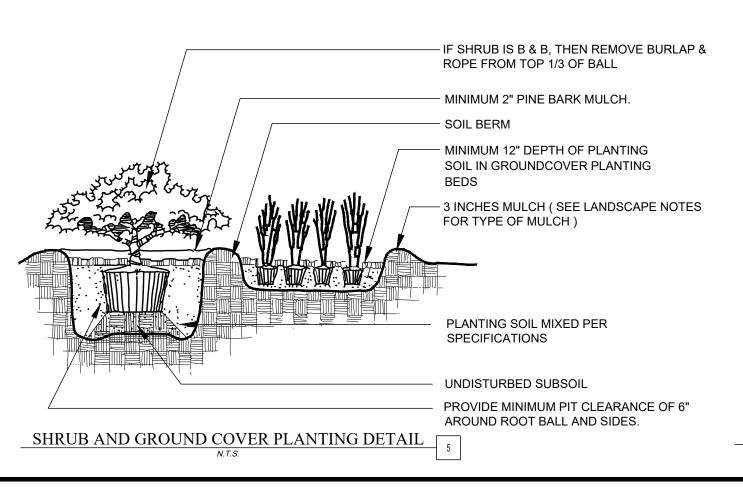
- 1. THE MINIMUM UNDISTURBED AREA SHALL BE DESCRIBED BY A RADIUS OF ONE FOOT FOR EACH INCH OF THE TREE'S DIAMETER AT BREAST HEIGHT. DURING DEVELOPMENT ACTIVITY, ENCROACHMENT INTO THE UNDISTURBED AREA FOR PROPOSED ACTIVITY DESCRIBED IN CC LDC 6-2(5)(E), MAY BE PERMITTED UP TO 25% OF THE RADIUS OR UP TO 50% OF THE RADIUS ON ONE SIDE BUT NOT CLOSER THAN 6 FEET TO THE TRUNK OF THE TREE IN ALL EVENTS.
- 2. A TEMPORARY BARRIER SHALL BE CONSTRUCTED TO PREVENT DISTURBANCE OF THE SOIL EQUAL TO MINIMUM UNDISTURBED AREA. THE BARRIERS SHALL BE IN PLACE PRIOR TO LAND CLEARING AND REMAIN IN PLACE
- 3. THE DEVELOPER SHALL NOT CAUSE OR ALLOW THE CLEANING OF EQUIPMENT, STORAGE OR DISPOSAL OF MATERIALS OR WASTE MATERIALS SUCH AS PAINT, SOLVENTS, ASPHALT, CONCRETE, MORTAR, OR ANY OTHER MATERIAL THAT MAY ENDANGER THE HEALTH OF TREES OR VEGETATION WITHIN THE MINIMUM UNDISTURBED AREAS OF PROTECTED TREES.
- 4. THE MINIMUM UNDISTURBED AREA SHALL BE MAINTAINED AT ITS ORIGINAL GRADE WITH NO TRENCHING OR CUTTING OF ANY ROOTS, AND THERE SHALL BE NO STORAGE OF FILL OR COMPACTION OF SOIL. IN NO EVENT SHALL MOTORIZED VEHICLES OR EQUIPMENT BE ALLOWED TO PARK ON OR TRAVERSE THAT AREA WITHIN THE MINIMUM UNDISTURBED AREA OF THE PROTECTED TREES, NOR SHALL ANY DIRT OR OTHER MATERIALS BE STORED WITHIN THE BARRIERS.
- 5. NO ATTACHMENT, WIRES (OTHER THAN PROTECTIVE GUY WIRES), SIGNS OR PERMITS SHALL BE FASTENED TO A TREE.
- 6. ALL CLEARING AND GRUBBING WITHIN PROTECTED TREE AREA WILL BE DONE WITH HAND TOOLS ONLY.
 7. ALL ROOT SYSTEMS OUTSIDE THE PROTECTIVE RADIUS WHICH OCCUR IN AREAS OF PROPOSED IMPROVEMENTS SHALL BE PRUNED BY A QUALIFIED TREE SURGEON PRIOR TO EXCAVATION.

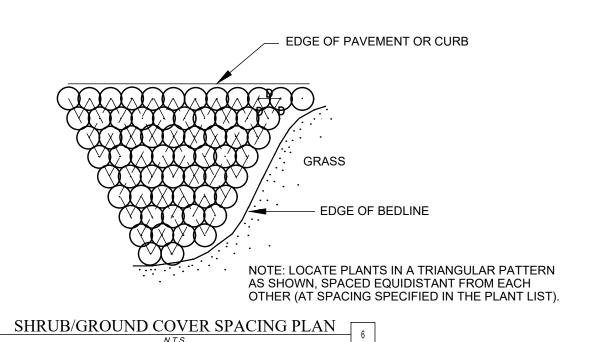
TREE PROTECTION FENCING / MIN UNDISTURBED AREAS











PLANTING NOTES

- The LANDSCAPE CONTRACTOR is responsible for verifying project site conditions and all quantities indicated on these plans before commencing any work. LANDSCAPE CONTRACTOR shall notify the LANDSCAPE ARCHITECT if soil conditions are poorly drained to determine is substitution of materials is necessary.
- 2. All plant material shall be Florida Grade No. 1 or better nursery grown in accordance to Florida Grades and Standards.
- 3. All plant material shall be container grown or B&B. B&B materials shall be "hardened off" root pruned during field production and shall be dug at least several weeks before.
- 4. Plants shall be sound, healthy and vigorous, well branched and densely foliated when in leaf. They shall be free of disease, insects, eggs or larvae and shall have healthy, well developed root systems. They shall be free from physical damage or adverse conditions that would prevent thriving growth.
- 5. Substitution of plant materials will not be permitted unless authorized in writing by the LANDSCAPE ARCHITECT. If proof is submitted that any plant specified in not obtainable, a proposal will be considered for use of the nearest equivalent size or variety with corresponding adjustment of contract price.
- 6. LANDSCAPE CONTRACTOR shall bear final responsibility for proper surface drainage of planted areas. Any discrepancy in the drawings, obstruction on the site, or prior to work done by any other party, which the CONTRACTOR feels precludes establishing proper drainage shall be brought to the attention of the LANDSCAPE ARCHITECT for correction or relief of said responsibility.
- 7. Planting beds shall be cut or edged to form a uniform clean line between beds and lawn areas.
- 8. After all plant material in a plant bed area has been installed and approved, the areas between plants shall be raked to an even grade to conform to premulching finish grades. All planting beds and plant saucers shall then be uniformly covered with a minimum three (3) inches of #2 grade or better of PINE BARK MINI NUGGETS.
- 9. Before fertilization a soil and/or foliar nutrient analysis shall be performed to determine whether phosphorus fertilizer with 30% slow release nitrogen will be required. All planting bed areas shall be fertilized.
- 10. The LANDSCAPE CONTRACTOR is responsible for all fine grading preparation for planting. APPLY PRE-EMERGENT HERBICIDE to beds prior to planting.
- 11. Rough grades will be established by the owners general contractor at approximately 3 inches below curbs, sidewalks, hardscape amenities, mowing strips and abutments. All materials shall be a minumim 30" from buildings or walks.
- 12. The LANDSCAPE CONTRACTOR is responsible for fully maintaining all plant material on site during and after planting, until the work is accepted by the LANDSCAPE ARCHITECT and/or owner.
- 13. The LANDSCAPE ARCHITECT, owner or owners representative shall have the right to reject any and all work which in his opinion does not meet with the requirements of the specifications at any stage of the project operation.
- 14. There will be special care to all existing trees to be retained on site to avoid construction damage.
- 15. Plant material soil shall be "native" soil that was removed from the planting hole. If soil is badly contaminated, good quality soil shall be used as replacement after contaminated soil has been completely removed from planting area.
- 16. Sod shall be laid end to end and side to side in a staggered line to form a uniform layer. All uneven edges shall be squarely trimmed to allow close and firm fitting of each piece.
- 17. Sod all disturbed areas within silt fence. Sod shall be ARGENTINE BAHIAGRASS. Grass for sodding shall be freshly cut in squares one foot wide by two feet long. Sod shall be healthy, free of insects and weeds, in naturally flourishing conditions. Dry, brown and unfresh sod will be rejected. A. Prior to rolling sod spread a 1" layer of debris and weed free sand to sod surface. Roll freshly laid sod using a lightweight turf roller. Provide a true and even surface without any displacement of the sod or deformation. Where sodding on slopes, stagger the setting of the sod pieces to avoid a continuous seam along the line of flow. Tamp the outer pieces of sod to produce a featheredge effect. Peg sod at locations where the sod may slide. Drive pegs through sod blocks into firm earth, at intervals approved by the Engineer. Remove any sod as directed by the Engineer.
- 18. After sodding is completed, the entire areas shall be watered by hand or irrigation system each day for two weeks. After approximately one month of installation, sodded areas shall then be top dressed with a 15-0-15 commercial slow-release fertilizer at a rate of 6.67 pounds per 1,000 square feet of area in an evenly broad-case pattern.
- 19. All plants shall be guaranteed by the LANDSCAPE CONTRACTOR to be healthy plants and in flourishing condition of active growth for ninety (90) days from final inspection and acceptance. All trees shall be guaranteed an additional one year from final inspection and acceptance.

| NO. DATE | DESCRIPTION | NO. DATE | NO. DATE | DESCRIPTION | NO. DATE | NO. DATE | NO. DESCRIPTION | NO. DATE | NO. DAT

WALDO STREET
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Matthews
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ST. AUGUSTIN
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PSCAPE SPECIFICATIONS AND DELP
PRESERVE AT GREEN COVE SPRING
CITY OF GREEN COVE SPRING

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