

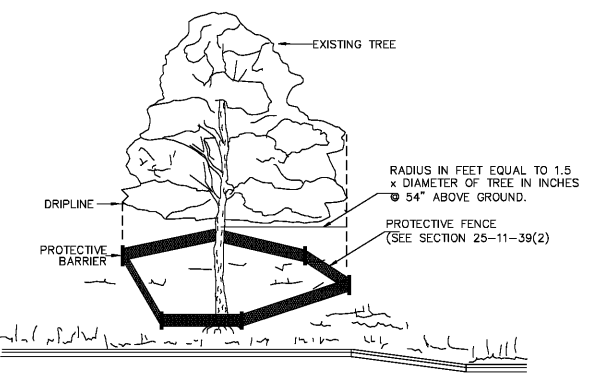
Sec. 25-11-40. - Tree preservation/replacement plan specifications.

(10) The following notes:

- UNDERTORY TREES TO BE A MINIMUM OF SIX FEET (6') IN HEIGHT AT TIME OF PLANTING.
- OVERSTORY AND MID-CANOPY TREES TO BE A MINIMUM OF EIGHT FEET (8') IN HEIGHT AT TIME OF PLANTING.
- ALL BUFFERS AND TREE SAVES ARE TO BE CLEARLY IDENTIFIED BY FENCING AND SIGNAGE PRIOR TO COMMENCEMENT OF ANY LAND DISTURBANCE.
- ALL TREE PROTECTION DEVICES MUST BE INSTALLED AND INSPECTED PRIOR TO ANY CLEARING, GRUBBING OR GRADING. CALL THE CITY ENGINEER FOR AN INSPECTION.
- THE DENSITY REQUIREMENTS SHOWN ON THE TREE PRESERVATION/REPLACEMENT PLAN(S) MUST BE MET PRIOR TO THE ISSUANCE OF THE CERTIFICATE OF OCCUPANCY OR ACCEPTANCE OF THE PROJECT.
- REPLACEMENT TREES MUST BE FREE FROM INJURY, PESTS, DISEASE, NUTRITIONAL DISORDERS OR ROOT DEFECTS AND MUST BE OF GOOD STOCK IN ORDER TO ASSURE A REASONABLE EXPECTATION OF SURVIVABILITY.
- PLANT MATERIAL QUALITY SHALL MEET THE AMERICAN STANDARD FOR NURSERY STOCK.
- A MAINTENANCE INSPECTION OF TREES WILL BE PERFORMED AFTER TWO FULL GROWING SEASONS FROM THE DATE OF THE FINAL CONSTRUCTION INSPECTION. PROJECT OWNERS AT THE TIME OF THE MAINTENANCE INSPECTION ARE RESPONSIBLE FOR ORDINANCE COMPLIANCE.

(c) The tree preservation/replacement plan shall be shown on a copy of a preliminary plat, concept plan or site plan, with the exception of a permit to conduct selective harvest, as appropriate to the proposed development, drawn to the same scale as the other plan documents prepared for a land disturbance permit application on the property, and shall cover the same area. The plan may be combined with a required buffer and landscape plan for the project.

(d) Clearing, grubbing, grading and development activities shall conform in all respects with the approved tree preservation and/or replacement plan. Any revisions to the proposed development of a property, and any changes reflected in a subsequently submitted permit application, shall be shown on a revised tree preservation and/or replacement plan and shall be approved as a part of the new or revised permit prior to the commencement of such changed activities. (Ord. No. 14-12, § 1, 10-28-14)



NOTE: TREES TO BE SAVED WILL BE CLEARLY MARKED PRIOR TO CONSTRUCTION AND A PROTECTIVE BARRIER IS TO BE INSTALLED AT THE DRIPLINE.

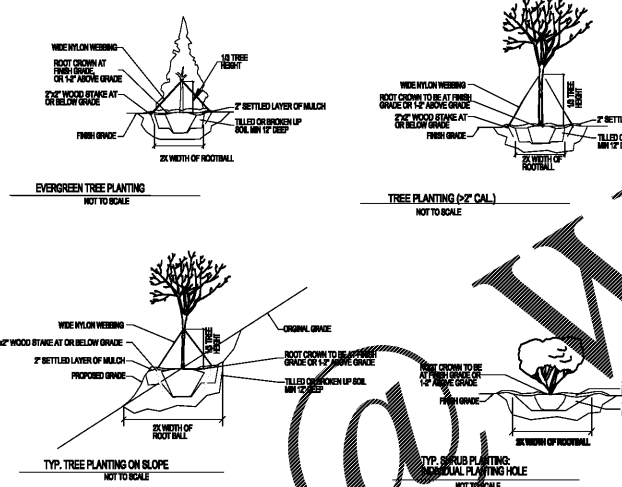
DRIPLINE - THE AREA OF SOIL DIRECTLY BENEATH THE TREE EXTENDING OUT TO THE TIPS OF THE OUTERMOST BRANCHES.

METHOD OF TREE PROTECTION DURING CONSTRUCTION

NOT TO SCALE

Where overhead power lines are located, a minimum lateral separation shall be provided from the tree to the utility line as follows:

- Overstory trees (fifty (50) feet tall and taller at maturity) must be set back at least 50 feet from overhead utility lines.
- Mid-canopy trees (twenty-five to 50 feet tall at maturity) must be set back at least 35 feet from overhead utility lines.
- Undertory trees (less than twenty-five feet tall at maturity) may be located underneath power lines with no separation requirement provided the average mature height of the tree is less than the lowest overhead wire.



TOTAL ACRES: 0.697 - 6 UNITS PER ACRE = 4.1 UNITS

10 LANDSCAPE

Scientific Name	Common Name	Variety	Min. Height	Quantity	Unit Value	TDU
Quercus prinus	White Oak	Aurora	1.5m	50	0.5	25
Rapanea hirsuta	Yellow Hibiscus	Snow White	2.3-3.0m	20	0.5	10
Platanus americana	American Elm	(O)	8.7m	1	0.5	0.5
PARKING & ADDITIONAL PROPERTY						
Scientific Name	Common Name	Variety	Min. Height	Quantity	Unit Value	TDU
Magnolia grandiflora	Southern Magnolia	(O)	8.7m	2	1.0	2
Quercus bicolor	Southern Live Oak	(O)	8.7m	2	1.0	2
Chionodoxa lucidula	Winter Dore	Capitulum	2.3-3.0m	17	0.5	8.5
TOTAL						
					4.0	

15 LANDSCAPE STRIP

Scientific Name	Common Name	Variety	Min. Height	Quantity	Unit Value	TDU
Chionodoxa lucidula	Winter Dore	(M)	8.7m	3	1.0	3
Chionodoxa lucidula	Winter Dore	(M)	8.7m	2	1.0	2
Hydrangea	Hydrangea	(M)	2.3-3.0m	3	0.5	1.5
Camellia japonica	Camellia	(M)	2.3-3.0m	3	0.5	1.5

THE DENSITY REQUIREMENTS SHOWN ON THE TREE PRESERVATION/REPLACEMENT PLAN(S) MUST BE MET PRIOR TO THE ISSUANCE OF THE CERTIFICATE OF OCCUPANCY OR ACCEPTANCE OF THE PROJECT.

Overstory Trees (O): Minimum height at planting 8'

Mid-story Trees (M): Minimum height at planting 6'

Undertory Trees (U): Minimum height at planting 6'

(1) Trees types/colors can be substituted if maintain same Caliper and is on the City of LaGrange Ordinance list.

NOTES:

- *Recommended to fill all areas to be planted 10" - 100" deep.
- Heavy clay soil is present, care should be taken to amend soil.
- *For trees below planting height, 2" x 4" stakes should be installed.
- *All new plantings to be mulched.
- *All species areas to be sodded.
- *ALL TREES MUST BE FREE FROM PESTS, DISEASE, NUTRITIONAL DEFICIENCIES AND MUST BE OF GOOD STOCK IN ORDER TO ASSURE A REASONABLE EXPECTATION OF SURVIVABILITY.
- *PLANT MATERIAL QUALITY SHALL MEET THE AMERICAN STANDARD FOR NURSERY STOCK.
- *A MAINTENANCE INSPECTION OF TREES WILL BE PERFORMED AFTER TWO FULL GROWING SEASONS FROM THE DATE OF THE FINAL CONSTRUCTION INSPECTION. PROJECT OWNERS AT THE TIME OF THE MAINTENANCE INSPECTION ARE RESPONSIBLE FOR ORDINANCE COMPLIANCE.

NOTES: TREE PLANTING (>2" CAL)

- ALL PLANT MATERIALS SHALL BE IN ACCORDANCE WITH THE AMERICAN STANDARDS FOR NURSERY STOCK (ANSI Z601-2004). PLANT ACCORDING TO ANSI A300 PART 6.
- DIG THE PLANTING HOLE A MINIMUM OF 2x WIDTH OF ROOTBALL FOR AT LEAST THE FIRST 12 INCHES OF DEPTH. BELOW 12 INCHES, DIG HOLE WIDE ENOUGH TO PERMIT ADJUSTING. DO NOT DIG THE HOLE DEEPER THAN ROOT BALL DEPTH.
- SCARIFY THE SUBGRADE AND SIDES OF THE PLANTING HOLE WHEN PLANTING IN CLAY SOILS (MORE THAN 15% CLAY).
- LEFT AND SET THE TREE BY ROOT BALL ONLY. DO NOT LIFT USING THE TREE TRUNK AND DO NOT USE TREE TRUNK AS A LEVER.
- SET THE TOP OF THE ROOT BALL LEVEL WITH THE SOIL SURFACE OR SLIGHTLY HIGHER IF THE SOIL IS PRONE TO SETTLING.
- AFTER THE TREE IS SET IN PLACE, REMOVE BURLAP, WIRE AND STRAPS FROM AT LEAST THE UPPER 1/3 OF THE ROOTBALL.
- BACKFILL WITH EXISTING SOIL THAT HAS BEEN WELL-TILLED OR BROKEN UP. DO NOT ADD AMENDMENTS TO THE BACKFILL SOIL. AMEND THE SURFACE WITH MULCH.
- USE THREE 2" x 2" WOOD STAKES DRIVEN INTO UNDISTURBED SOIL A MINIMUM OF 16 INCHES. SPACE STAKES EQUALLY AROUND THE TREE.
- ATTACH 3/4" NYLON WEBBING TO CONNECT THE TREE TO STAKES.
- APPLY A 3" (SETTLED) DEPTH OF LONGLEAF PINE STRAW MULCH TO THE PLANTING SURFACE. LEAVE A 2" SPACE AROUND THE TRUNK FOR AIR CIRCULATION.
- PRUNING SHALL BE LIMITED TO DEAD, DISEASED, OR BROKEN LIMBS ONLY AND SHALL BE IN ACCORDANCE WITH ANSI A300 SPECIFICATIONS.
- REMOVE ANY TRUNK WRAP REMAINING AT TIME OF PLANTING. NO WRAPS SHALL BE PLACED ON TRUNK.

NOTES: EVERGREEN TREE PLANTING

- ALL PLANT MATERIALS SHALL BE IN ACCORDANCE WITH THE AMERICAN STANDARDS FOR NURSERY STOCK (ANSI Z601-2004). PLANT ACCORDING TO ANSI A300 PART 6.
- DIG THE PLANTING HOLE A MINIMUM OF 2x WIDTH OF ROOTBALL FOR AT LEAST THE FIRST 12 INCHES OF DEPTH. BELOW 12 INCHES, DIG HOLE ENOUGH TO PERMIT ADJUSTING. DO NOT DIG THE HOLE DEEPER THAN ROOT BALL DEPTH.
- SCARIFY THE SUBGRADE AND SIDES OF THE PLANTING HOLE WHEN PLANTING IN CLAY SOILS (MORE THAN 15% CLAY).
- LEFT AND SET THE TREE BY ROOT BALL ONLY. DO NOT LIFT USING THE TREE TRUNK AND DO NOT USE TREE TRUNK AS A LEVER.
- SET THE TOP OF THE ROOT BALL LEVEL WITH THE SOIL SURFACE OR SLIGHTLY HIGHER IF THE SOIL IS PRONE TO SETTLING.
- AFTER THE TREE IS SET IN PLACE, REMOVE BURLAP, WIRE AND STRAPS FROM AT LEAST THE UPPER 1/3 OF THE ROOTBALL.
- BACKFILL WITH EXISTING SOIL THAT HAS BEEN WELL-TILLED OR BROKEN UP. DO NOT ADD AMENDMENTS TO THE BACKFILL SOIL. AMEND THE SURFACE WITH MULCH.
- USE THREE 2" x 2" WOOD STAKES DRIVEN INTO UNDISTURBED SOIL A MINIMUM OF 16 INCHES. SPACE STAKES EQUALLY AROUND THE TREE.
- ATTACH 3/4" NYLON WEBBING TO CONNECT THE TREE TO STAKES.
- APPLY A 3" (SETTLED) DEPTH OF LONGLEAF PINE STRAW MULCH TO THE PLANTING SURFACE. LEAVE A 2" SPACE AROUND THE TRUNK FOR AIR CIRCULATION.
- PRUNING SHALL BE LIMITED TO DEAD, DISEASED, OR BROKEN LIMBS ONLY AND SHALL BE IN ACCORDANCE WITH ANSI A300 SPECIFICATIONS.
- REMOVE ANY TRUNK WRAP REMAINING AT TIME OF PLANTING. NO WRAPS SHALL BE PLACED ON TRUNK.

NOTES: TYPICAL TREE PLANTING ON SLOPE

- ALL PLANT MATERIALS SHALL BE IN ACCORDANCE WITH THE AMERICAN STANDARDS FOR NURSERY STOCK (ANSI Z601-2004). PLANT ACCORDING TO ANSI A300 PART 6.
- DIG THE PLANTING HOLE A MINIMUM OF 2x WIDTH OF ROOTBALL FOR AT LEAST THE FIRST 12 INCHES OF DEPTH. BELOW 12 INCHES, DIG HOLE WIDE ENOUGH TO PERMIT ADJUSTING. DO NOT DIG THE HOLE DEEPER THAN ROOT BALL DEPTH.
- SCARIFY THE SUBGRADE AND SIDES OF THE PLANTING HOLE WHEN PLANTING IN CLAY SOILS (MORE THAN 15% CLAY).
- LEFT AND SET THE TREE BY ROOT BALL ONLY. DO NOT LIFT USING THE TREE TRUNK AND DO NOT USE TREE TRUNK AS A LEVER.
- SET THE TOP OF THE ROOT BALL LEVEL WITH THE SOIL SURFACE OR SLIGHTLY HIGHER IF THE SOIL IS PRONE TO SETTLING.
- AFTER THE TREE IS SET IN PLACE, REMOVE BURLAP, WIRE AND STRAPS FROM AT LEAST THE UPPER 1/3 OF THE ROOTBALL.
- BACKFILL WITH EXISTING SOIL THAT HAS BEEN WELL-TILLED OR BROKEN UP. DO NOT ADD AMENDMENTS TO THE BACKFILL SOIL. AMEND THE SURFACE WITH MULCH.
- USE THREE 2" x 2" WOOD STAKES DRIVEN INTO UNDISTURBED SOIL A MINIMUM OF 16 INCHES. SPACE STAKES EQUALLY AROUND THE TREE.
- ATTACH 3/4" NYLON WEBBING TO CONNECT THE TREE TO STAKES.
- APPLY A 3" (SETTLED) DEPTH OF LONGLEAF PINE STRAW MULCH TO THE PLANTING SURFACE. LEAVE A 2" SPACE AROUND THE TRUNK FOR AIR CIRCULATION.
- PRUNING SHALL BE LIMITED TO DEAD, DISEASED, OR BROKEN LIMBS ONLY AND SHALL BE IN ACCORDANCE WITH ANSI A300 SPECIFICATIONS.
- REMOVE ANY TRUNK WRAP REMAINING AT TIME OF PLANTING. NO WRAPS SHALL BE PLACED ON TRUNK.

NOTES: TYPICAL SHRUB PLANTING, INDIVIDUAL PLANTING HOLE

- DIG PLANTING HOLE AT LEAST 2x THE WIDTH OF THE ROOT BALL OR CONTAINER.
- SCARIFY SUBGRADE AND SIDES OF PLANTING HOLE WHEN PLANTING IN CLAY SOIL.
- SET THE TOP OF THE ROOT BALL LEVEL WITH THE SOIL SURFACE, OR 1-2" ABOVE IF THE SOIL IS PRONE TO SETTLING.
- IF CONTAINER GROWN PLANT, GENTLY SLIDE PLANT OUT OF CONTAINER. DISTURB THE ROOTS.
- IF BAG PLANT, REMOVE BURLAP FROM AT LEAST THE TOP 12 INCHES OF THE ROOTBALL, WITHOUT DISTURBING THE ROOTBALL. REMOVE ALL CORD FROM THE TRUNK, REMOVE BURLAP AND WIRE BASKET (IF PRESENT) FROM THE ROOT BALL.
- BACK FILL THE PLANTING HOLE WITH EXCAVATED NATIVE SOIL, BROKEN UP OR TILLED WATER TO REMOVE AIR POCKETS. DO NOT ADD AMENDMENTS.
- PLACE LONGLEAF PINE STRAW MULCH ON THE SURFACE TO A (SETTLED) DEPTH OF 3 INCHES.

GRASSING SPECIFICATION

- ALL AREAS TO BE GRASSED WILL BE PREPARED WITH EQUIPMENT NECESSARY TO LOOSEN SUBGRADE TO A MINIMUM DEPTH OF 6 INCHES.
- APPLY FERTILIZER AND LIME DIRECTLY TO SUBGRADE BEFORE LOOSENING.
- APPLY LIME AT A RATE OF 100 POUNDS PER 1000 SQUARE FEET.
- APPLY A 16-24-12 ANALYSIS FERTILIZER OR EQUIVALENT AT A RATE OF TEN (10) POUNDS PER ONE THOUSAND (1000) SQUARE FEET.
- REMOVE STONES, STICKS, ROOTS, RUBBISH AND OTHER EXTRANEIOUS MATERIALS AND LEGALLY DISPOSE OF THEM OFF OWNER'S PROPERTY.
- FINAL GRADE THE AREAS TO BE SOODED TO A SMOOTH, EVEN SURFACE, WITH A LOOSE, UNIFORM FINE TEXTURE. ROLL, RAKE, AND REMOVE RIDGES AND DEPRESSIONS TO LEVEL FINISHED GRADES.
- LAY SOO TO FORM A SOLID MASS WITH TIGHTLY FITTED JOINTS. BUTT ENDS AND SIDES OF SOO. DO NOT STRETCH OR OVERLAP STAGES. SOO JOINTS IN ADJACENT COURSES, AVOID DAMAGE TO SUBGRADE AND SOO DURING INSTALLATION.
- SOO TO BE LAYED WITH ROLLS, NOT BLOCK SOODED, TO ENSURE QUICKER GROW IN AND LESS EROSION POTENTIAL.

ENGINEER'S STAMP

SMITH DESIGN GROUP, INC.

1008 COLQUITT ST. LAGRANGE, GEORGIA 30241

706-884-5511

www.smithdesign.com

STOIHARD ENGINEERING, INC.

1008 COLQUITT ST. LAGRANGE, GA 30241

PH: 706 884-5279

email: stothard@stothard-engineering.com

REVISIONS

DATE	DESCRIPTION

PROJECT:

VERNON ROAD FIRE STATION

VERNON ROAD LAGRANGE, GEORGIA

TITLE:

LANDSCAPE NOTES AND DETAILS

MODIFIED DATE:	JOB NO:
ISSUED DATE:	1731
FOR BID AND PERMIT	SHEET:
20 APRIL 2018	C-7