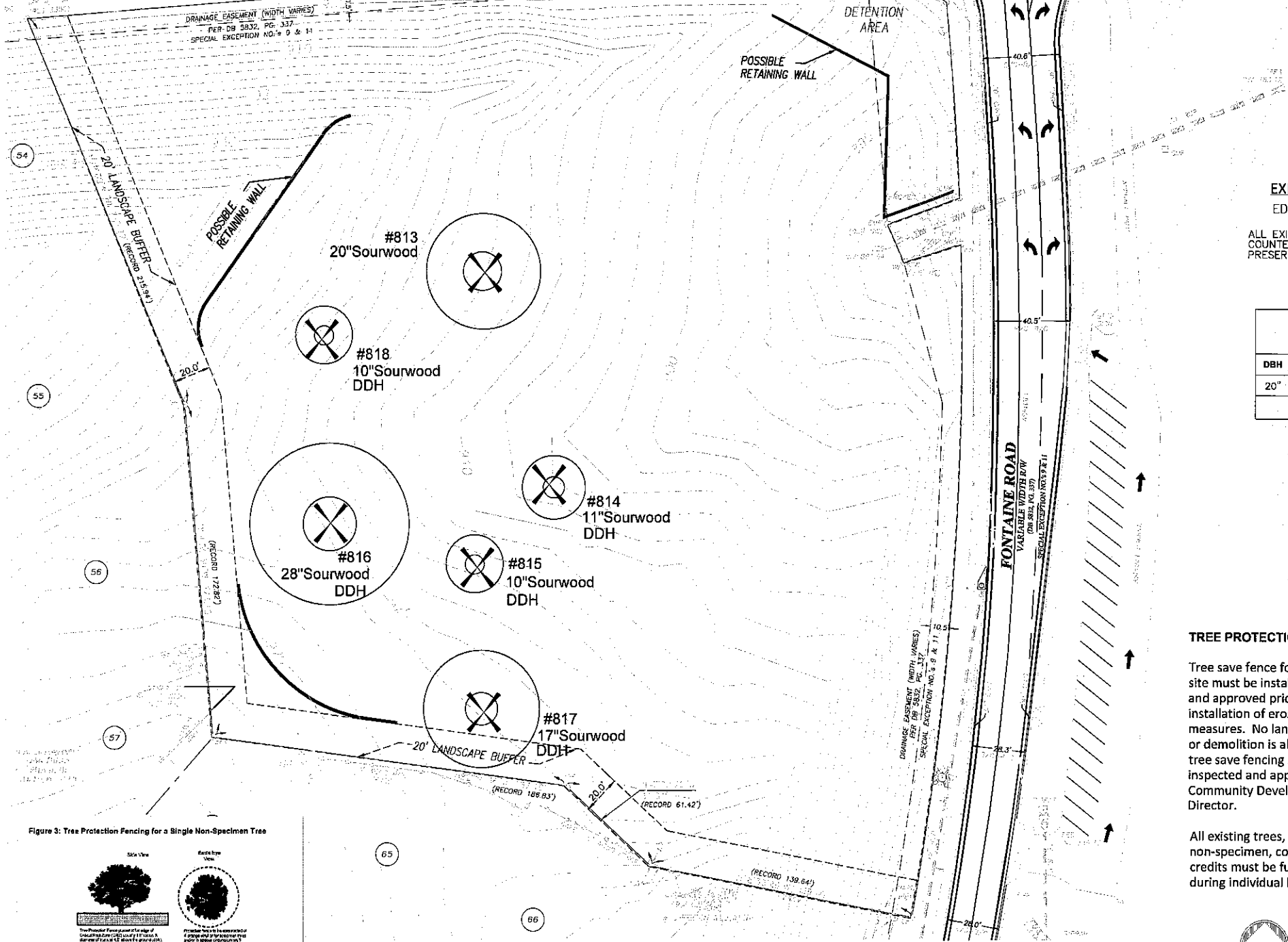


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ARBORIST:
MONDO LAND PLANNING & DESIGN
8020 MAIN STREET
WOODSTOCK, GA. 30188
TYRONE CASTEEL, ISA
404.358.2326
REG # SO-5646A

LANDSCAPE ARCH:
MONDO LAND PLANNING + DESIGN
8020 MAIN STREET
WOODSTOCK, GA. 30188
MELISSA CASTEEL, RLA
770.402.3719
REG # LA001418

SITE AREA:
± 4.19 ACRES

NET SITE AREA:
NET AREA =
TOTAL SITE AREA 4.19 AC
*INFRASTRUCTURE - 0.67 AC
EXCLUDED AREA INCLUDES ROADS,
UTILITY LINES, DETENTION PONDS,
& BUFFERS.
3.52 AC

CALCULATIONS SUMMARY:

SITE DENSITY FACTOR (SDF):
SITE DENSITY FACTOR = SDF
SDF = NET SITE AREA (ACRES) X 100 (INCHES)
SDF = 3.52 X 100 = 352.00
SDF = 352.00 INCHES

REPLACEMENT DENSITY FACTOR:
REPLACEMENT DENSITY FACTOR = RDF
RDF = SDF - EDF
RDF = 352.00 - 0.00 = 352.00
RDF = 352.00 INCHES

EXISTING DENSITY FACTOR:
EDF = 0.00 INCHES

ALL EXISTING TREES, SPECIMEN AND NON-SPECIMIN,
COUNTED FOR EDF CREDITS MUST BE FULLY
PRESERVED DURING ALL PHASES OF THIS PROJECT.

SPECIMENS REMOVED		
DBH	TOTAL NO. OF TREES	TOTAL INCHES
20"	1	20.00
TOTAL:		20.00

SPECIMENS TREES

ARBORIST REPORT PROVIDED COVERING SPECIMEN SIZED TREES EXISTING ON THE SITE HAS BEEN PROVIDED AS PART OF THIS SUBMITTAL - SEE LAST SHEET OF TREE PLAN SET.

20 Inches Specimen Quality Trees Proposed to be Removed / Impacted Greater than 20%

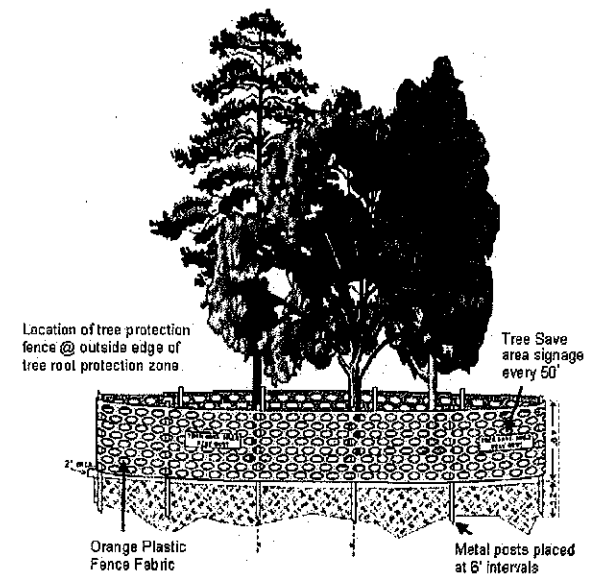
20" / 4" = MIN. 5 - 4" Cal. Trees to be Planted for RECOMPENSE

Replacement Density Factor = 352 Inches (RDF) + 20 Inches Specimen Recompense = 372 Inches Required - 373 Replanted Inches = 1 Surplus Inches Provided

Density and Recompense Satisfied by Planting on the Site.

SEE SHEET TP101 FOR PLANTING LAYOUT AND PLANT SPECIFICATIONS.

FIGURE 2: Tree Protection Fence Installation Detail



*** SPECIMEN TREE PROTECTION REQUIRES ORANGE POLYETHYLENE FENCE BE REPLACED WITH CHAIN LINK.***

TREE FENCE TYPES - AS NOTED ON ADJACENT PLAN - ALL TYPE A.

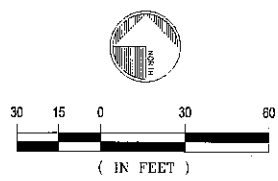
TYPE A : ORANGE FENCING AS SHOWN ABOVE

SEE SHEET TP-102 FOR ALL TREE PROTECTION DETAILS.

TREE PROTECTION NOTES:

Tree save fence for the entire site must be installed, inspected and approved prior to the installation of erosion control measures. No land disturbance or demolition is allowed before tree save fencing has been inspected and approved by Community Development Director.

All existing trees, specimen and non-specimen, counted for EDF credits must be fully preserved during individual lot permitting.



TREE REPLACEMENT PLAN NOTES:

- CONTACT THE COMMUNITY DEVELOPMENT DEPARTMENT (770-319-5387) TO ARRANGE A PRE-CONSTRUCTION CONFERENCE PRIOR TO ANY LAND DISTURBANCE.
- NO PERMIT SHALL BE ISSUED UNTIL PLANS ARE APPROVED AND AN ON-SITE INSPECTION WITH CITY REPRESENTATIVES OCCURS.
- ALL TREE PROTECTION MEASURES SHALL BE INSTALLED PRIOR TO GRADING OR THE REMOVAL OF IMPERVIOUS SURFACES OR STRUCTURES.
- BUFFERS SHALL BE REPLANTED SUBJECT TO COMMUNITY DEVELOPMENT DEPARTMENT APPROVAL.

X SPECIMEN SIZE TREE TO BE IMPACTED OR REMOVED PER PROPOSED SCOPE OF WORK.

NO BOUNDARY TREES WERE LOCATED ADJACENT TO THE SUBJECT PROPERTY.

TREE SAVE AREA - STAY OUT

HEAVY MILL PLASTIC DARK LETTERING ON BRIGHT BACKGROUND

Figure 3: Tree Protection Fencing for a Single Non-Specimen Tree

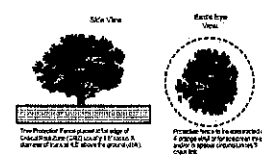
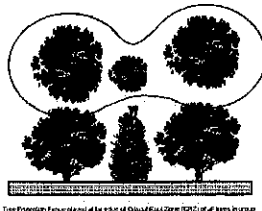


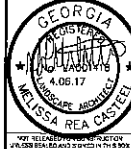
Figure 4: Tree Protection Fencing for Multiple Non-Specimen Trees



REVISIONS	DATE	DESCRIPTION

CLIENT
DAVID WEEKLEY HOMES
750 HAMMOND DRIVE, BUILDING 6, SUITE 200
ATLANTA, GEORGIA 30328

mondo
LAND PLANNING and DESIGN, LLC
8020 MAIN STREET
WOODSTOCK, GEORGIA 30188
Phone 770.402.3719
Fax 1.866.334.0283



TREE PROTECTION PLAN
FOR
PARK PLACE
LAND LOT 235, 17TH DISTRICT, 2ND SECTION - CITY OF SMYRNA

DATE	4.05.17
JOB NO.	MO171715
DRAWN	MRC
CHECKED	ETC
SCALE	1" = 30'
SHEET	TP-100



- NOTES:**
- The Community Development Director must inspect the site before installation of erosion control measures. Land disturbance without a site inspection and approval by the Community Development Director will result in a "Stop-Work Order" and fines.
 - If the tree survey inaccuracies are found on-site, a stop-work order will be issued until revised plans are approved and processed based on accurate information.
 - The Community Development Director must inspect and approve the site before the issuance of a Certificate of Occupancy.
 - Trees agreed upon to be saved is the responsibility of the owner.
 - A 3-inch layer of organic mulch will be required for the CRZ of Specimen Trees. Mulch must be applied prior to the start of construction. Keep mulch at least 5-inch radius away from the trunk.
 - A 3-inch layer of organic mulch will be required for all replacement trees. Mulch must be applied prior to the start of construction. Keep mulch at least 5-inch radius away from the trunk.
 - All newly planted trees shall have visible root flares at finished grade. No circling roots shall be allowed on planted trees. The upper 2/3 of the wire basket, all burlap and strapping shall be cut and removed before the backfilling of the planting holes.
 - Trees less than the caliper inch shown will not be accepted. Example; 4-inch caliper trees must be 4-inches or larger.
 - Plant height measurement is taken at the top of the main body of the plant and not at the tip of the topmost growth.
 - All newly planted trees shall be equivalent in quality to a Florida #1 grade or better. All trees of lesser quality can be rejected by the Community Development Director.
 - Watering bags or a drip irrigation system will be provided for all trees prior to issuance of the certificate of occupancy. Water bags will be refilled according to soil conditions and adjusted during times of droughts for a minimum of 2 years after installation.
 - No Trenching allowed in Tree Safe Area, including irrigation installation.
 - All tree guying and stakes shall be removed from the tree(s) one year after planting date.

LOT TREES
 MIN. ONE LOT TREE PROVIDED PER EACH LOT IN WHICH THERE IS NO TREE SAVE AREA PRESERVED.
 MAX. 30% OF ANY ONE GENUS PROVIDED.

SPECIMEN RECOMPENSE TREE

TREE PROTECTION NOTES:
 Tree save fence for the entire site must be installed, inspected and approved prior to the installation of erosion control measures. No land disturbance or demolition is allowed before tree save fencing has been inspected and approved by Community Development Director.

All existing trees, specimen and non-specimen, counted for EDF credits must be fully preserved during individual lot permitting.

ALL TREES MUST BE PLANTED AT LEAST 10 FEET FROM ANY UTILITY LINE.

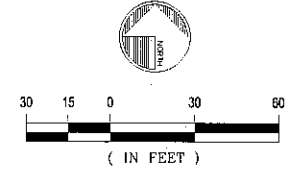
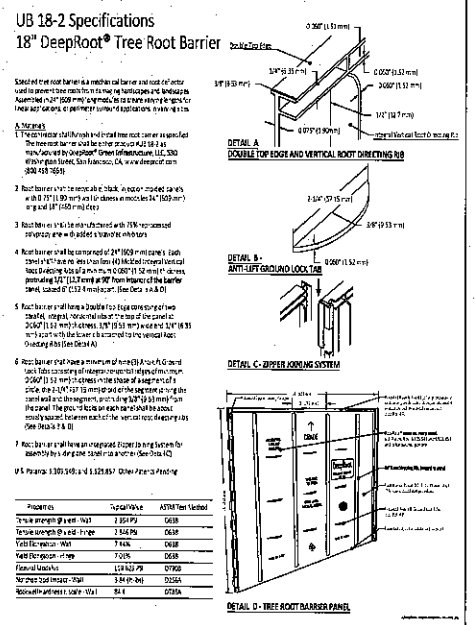
STREET TREES
 Provide One (1) - Min. 3" Cal Shade Tree for every 40 LF of Roadway Frontage.

1,660 LF Roadways - 40 Easements = 1,620 / 40 LF = 41 Trees
 240 LF Roadway Under Power Line / 30 LF = 8 Understory Trees
 = **Total of 49 Street Trees Required**

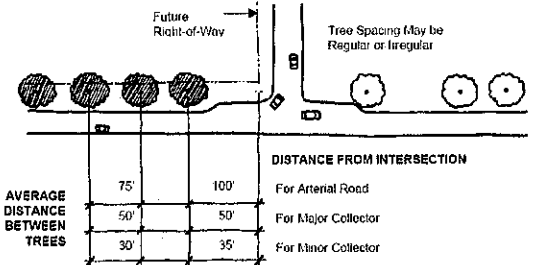
469 - Min. 3" Cal. Provided Along Roadway Frontages
PLANT STREET TREES IN RIGHT-OF-WAY LOCATED 3' BEHIND THE SIDEWALK - MEETING THESE MINIMUM SETBACKS:

-15' FROM ANY DRIVEWAYS
 -10' FROM ANY UTILITIES
 -35' FROM INTERSECTION
 PROVIDE 25' MINIMUM SPACING BETWEEN THE TRUNKS OF ALL OVERTORY TREES AND ANY OTHER TREE.

PROVIDE 15' MINIMUM BETWEEN UNDERSTORY TREES.
 PROVIDE 10' MINIMUM BETWEEN EVERGREEN SCREENING TREES.



COMMON NAME	BOTANICAL NAME	QTY DENSITY	QTY RECOMPENSE	MINIMUM SIZE	HEIGHT	INCHES PER TREE	TOTAL INCHES	GENUS %		
ALLEE ELM	Ulmus parvifolia 'Emer II' PP#7552	11		4" CAL	14-16'	4	44.00	0.12		
ZELKOVA	Zelkovo serrata	18		4" CAL	14-16'	4	72.00	0.19		
RED MAPLE	Acer rubrum	7	5	4" CAL	14-16'	4	48.00	0.13		
OVERCUP OAK	Quercus lyrata	8		3" CAL	12-14'	3	24.00	0.06		
AMUR MAPLE	Acer glabrum	9		3" CAL	10-12'	3	27.00	0.07		
BRACKENS BROWN BEAUTY MAGNOLIA	Magnolia grandiflora 'Brackens Brown Beauty'	23			7'-0"	2	46.00	0.12		
YOSHINO CRYPTOMERIA	Cryptomeria japonica 'Yoshino'	21			7'-0"	2	42.00	0.11		
HOMEFIRE HOLLY	Ilex 'Homefire'	17			7'-0"	2	34.00	0.09		
KOUSA DOGWOOD	Cornus kousa	12		3" CAL	10-12'	3	36.00	0.10		
TOTAL # TREES =							131	TOTAL # Inches =	373,000	100.00



SPECIFICATION -
 ALL TREES (DECIDUOUS) - B&B; MATCHING; UNIFORM SPREAD; BRANCHING FROM 6' AND UP.
 ALL TREES (EVERGREEN) - MATCHING; UNIFORM SPREAD TO MIN. 3'; FULL TO GROUND.
 ALL SHRUBS - MATCHING; UNIFORM SPREAD TO MIN. 24"; FULL TO GROUND.

ROOT BARRIER -
 ROOT BARRIER, AS SPECIFIED AT RIGHT, TO BE PROVIDED AT BACK OF PUBLICLY MAINTAINED SIDEWALK AND/OR CURB WHERE TREE PROPOSED TO BE PLANTED WITHIN 10' OF SAID SIDEWALK AND/OR CURB. SEE LOCATION AT BACK OF SIDEWALK, AS REPRESENTED BY BOLD LINE ON PLAN BELOW. BREAK SPANSE FOR DRIVEWAYS.



REVISIONS
 DATE DESCRIPTION

CLIENT
 DAVID WICKLEY HOMES
 750 HAMMOND DRIVE, BUILDING 6, SUITE 200
 ATLANTA, GEORGIA 30328

LAND PLANNING and DESIGN, LLC
 1000 N. STREET
 WOODSTOCK, GEORGIA 30188
 PHONE 770.486.3719
 FAX 770.486.3719

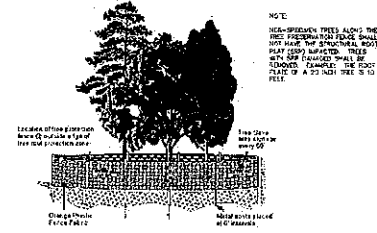
GEORGIA REGISTERED PROFESSIONAL LANDSCAPE ARCHITECT
 408.17
 MISSISSIPPI REAL CREST

TREE REPLACEMENT PLAN FOR PARK PLACE
 LAND LOT 335, 17TH DISTRICT, 2ND SECTION - City of SMYRNA

DATE 4.05.17
JOB NO. MOTP1715
DRAWN MRC
CHECKED ETC
SCALE 1" = 30'
SHEET TP-101

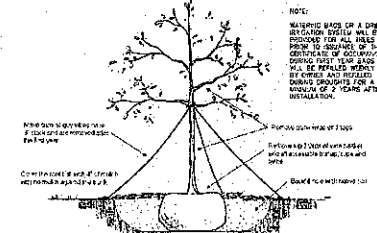
TREE REPLACEMENT PLAN DETAILS:

Figure 10: Tree Protection Fencing for Non-Specimen Trees



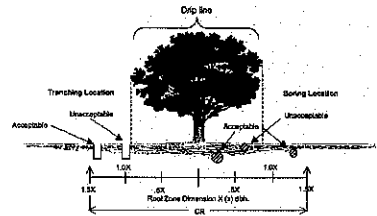
"Specimen tree protection requires orange polyethylene fence to be replaced with chain link."

Figure 11: Tree Planting Detail



Excavate the hole to be 3/4 the diameter of root ball and 1 to 2' more shallow. Excavate a wider hole if pipe hole or heavy stone. Allow 400 sq. ft. of soil surface area for each specimen tree and 250 sq. ft. spacing between trees with a minimum 18' wide planting area. Allow 700 sq. ft. of soil surface area for non-specimen trees and 15' spacing between trees with a minimum 18' wide planting area.

Figure 12: Tunneling or Boring within Tree Root Zones



All trenching should be conducted outside the Critical Root Zone (CRZ). When impacts must occur within the CRZ, boring beneath the existing root zone is acceptable - typically 24" - 30" deep. This includes the installation of utility and irrigation systems.

Source: Bryna Community Development

Figure 13: Acceptable Grade Fills Within Root Zones

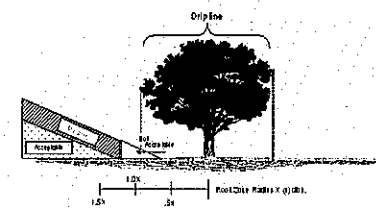
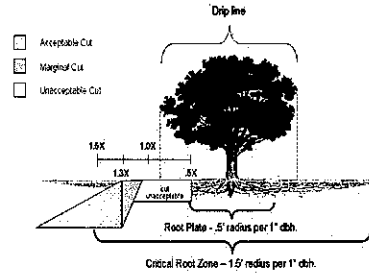


Figure 14: Acceptable Grade Cuts Within Tree Root Zones



Tree #	Species	Size (DBH)	Health
813	SOURWOOD	20	GOOD
815	SOURWOOD	18	GOOD
817	SOURWOOD	17	GOOD
814	SOURWOOD	11	GOOD
816	SOURWOOD	25	GOOD
818	SOURWOOD	10	GOOD

Analysis prepared by:
E. Tyrone Costed, ISA Certified Arborist
Certificate Number: SC-5646A
Mondo Land Planning + Design, LLC

Warnings/Disclaimer:
No warranties expressed or implied are made with respect to the report of aforementioned specimen trees. It is understood the OWNER makes use of this report by the ARBORIST at OWNER'S sole risk and that the report is provided as best judgment opinion. In no manner does this report guarantee the life or imply any length of life span of the trees that are determined to be specimens.

Arborist Note:
Due to certain species and undesirable traits, some trees shall be considered in poor condition if the following is true. Numerous trees grown in a native setting may appear to grow as multi-trunk; however this is not desirable in most trees. Most trees having multi-trunks at the base are usually created when two separate trees grow together or the tree branches off at an early age and the separate trunks become Co-Dominant Leaders. Either scenario is an undesirable condition for most trees because they both create weak conditions, included bark and/or a prime place for debris and water to get trapped that will eventually cause decay. In this case these trees become increasingly hazardous and can not be considered specimen trees.

Some trees are an exception to this rule, such as, but not limited to: Birch, Wax Myrtle, Red Red, Dogwood, Holly, Cedar, Sourwood, small Magnolia, Red Bay and Live Oak. Said are an exception because they naturally create sucker growth from the roots and/or trunk or do not typically grow to a large enough size to become an increased hazard.

Reference: Sinclair, Wayne A., 1995. Diseases of Trees and Shrubs/ Wayne A. Sinclair and Howard H. Lyon. - 2nd ed. Published 2005

REVISIONS
DATE DESCRIPTION

CLIENT
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ROCKY MOUNT, NC 27853
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GEORGIA
ARBORIST
4.05.17
ISA

ARBORIST REPORT / DETAILS
FOR
PARK PLACE
LAND LOT 565, 17TH DISTRICT, 2ND SECTION - CITY OF SAVANNAH

DATE 4.05.17
JOB NO. MOTP1715
DRAWN MRC
CHECKED ETC
SCALE n/s
SHEET TP-102