

TREE LEGEND

	OKAME CHERRY
	BLACK GUM
	LACEBARK ELM
	NUTTALL OAK
	GREEN ASH
	DEODAR CEDAR
	CRYPTOMERIA
	BROOKE CEDAR

TREE ORDINANCE NOTES (CITY OF ROSWELL):

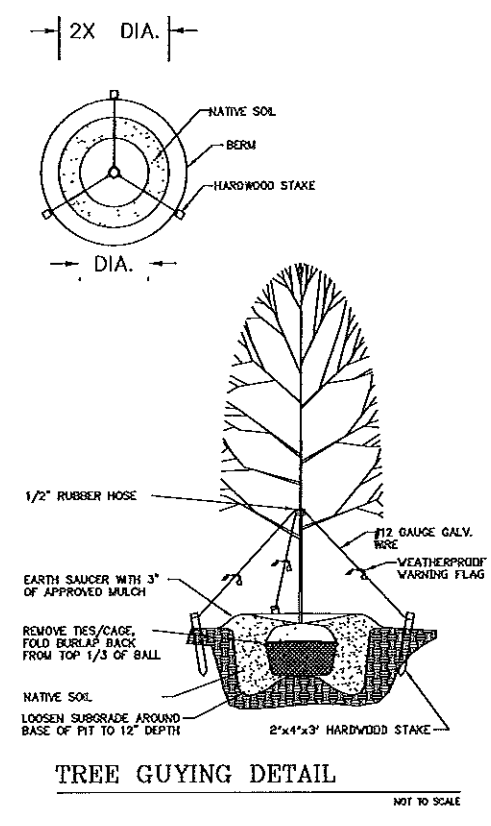
1. THE ARBORIST SHALL MAKE UNSCHEDULED INSPECTIONS BEFORE AND DURING DEVELOPMENT TO ENSURE PROTECTION OF TREES, CRITICAL ROOT ZONES AND BUFFER ZONES.
2. NO PERSON IN THE CONSTRUCTION OF ANY STRUCTURE(S) OR IMPROVEMENT(S) OR ANY ACTIVITY SHALL ENCRUCH OR PLACE SOLVENTS, MATERIAL, CONSTRUCTION MACHINERY OR TEMPORARY SOIL DEPOSITS WITHIN SIX (6) FEET OF THE AREA OUTSIDE THE DRP LINE, AS DEFINED HEREIN, OF ANY SPECIMEN TREE OR ANY TREE WITHIN A TREE PROTECTION ZONE.
3. BEFORE DEVELOPMENT, LAND CLEARING, FILLING, OR ANY LAND ALTERATION, THE DEVELOPER SHALL BE REQUIRED TO ERECT SUITABLE BARRIERS AS REQUIRED BY THE ARBORIST, INCLUDING TREE FENCES, TREE PROTECTION SIGNS, AND EROSION BARRIERS UNTIL COMPLETION OF SITE LANDSCAPING. AUTHORIZATION TO REMOVE THE PROTECTIVE DEVICES SHALL BE IN WRITING BY THE ARBORIST OR BY THE ISSUANCE OF A FINAL CERTIFICATE OF OCCUPANCY. INSPECTION OF TREE PROTECTION BARRIERS IS REQUIRED PRIOR TO ANY LAND DISTURBANCE OR DEVELOPMENT. THE ARBORIST SHALL BE CONTACTED TO SCHEDULE AN INSPECTION TIME.
4. MATERIALS FOR ACTIVE TREE PROTECTION SHALL CONSIST OF CHAIN LINK, ORANGE LAMINATED PLASTIC, WOODEN POST AND RAIL FENCING OR OTHER EQUIVALENT RESTRAINING MATERIAL. IN ADDITION TO FENCING, WHERE ACTIVE TREE PROTECTION IS REQUIRED EACH TREE TO BE SAVED SHALL BE MARKED AT THE BASE OF THE TRUNK WITH BLUE COLORED WATER-BASED PAINT.
5. MATERIALS FOR PASSIVE TREE PROTECTION SHALL CONSIST OF HEAVY MA, PLASTIC FLAGGING, A MINIMUM OF 4" (FOUR INCHES) WIDE WITH DARK LETTERS READING "TREE PROTECTION AREA - DO NOT ENTER" OR EQUIVALENT SIGNAGE ON A CONTINUOUS, DURABLE RESTRAINT.
6. ALL TREE PROTECTION DEVICES MUST REMAIN IN FUNCTIONING CONDITION UNTIL THE COMPLETION OF THE PROJECT OR UNTIL THE CERTIFICATE OF OCCUPANCY IS ISSUED.
7. ANY TREE DESIGNATED ON THE PLAN TO BE SAVED, WHICH IS DAMAGED DURING CONSTRUCTION OR AS A RESULT OF CONSTRUCTION, AS DETERMINED BY THE ARBORIST, SHALL BE TREATED ACCORDING TO ACCEPTED NATIONAL ARBORISTS ASSOCIATION STANDARDS, OR REPLACED WITH A TREE OR TREES EQUAL TO THE UNIT VALUE OF THE TREE REMOVED. HOWEVER, ANY SPECIMEN TREE DAMAGED AS DESCRIBED ABOVE SHALL BE REPLACED WITH TREES EQUAL TO 2 (TWO) TIMES THE UNIT VALUE OF THE TREE REMOVED OR DAMAGED.
8. ANY PERSON, FIRM OR CORPORATION VIOLATING ANY PROVISIONS OF THIS ARTICLE SHALL BE PUNISHED AS DESCRIBED BY SECTION 1-8 OF THE CODE OF THE CITY OF ROSWELL, AND IN ADDITION THERE TO MAY BE ENJOINED FROM CONTINUING THE VIOLATION. EACH TREE CUT, DAMAGED OR POISONED SHALL CONSTITUTE A SEPARATE OFFENSE.

TREE FENCE NOTE
TREE FENCE TO BE WIRE BACKED WHEN AROUND OR WITHIN CRITICAL ROOT ZONES (CRZ). TRENCHING OF THE TREE FENCE WILL NOT BE ALLOWED.

TREE SAVE FENCE FOR ENTIRE SITE MUST BE INSTALLED, INSPECTED AND APPROVED PRIOR TO INSTALLATION OF EROSION CONTROL MEASURES. NO LAND DISTURBANCE IS ALLOWED BEFORE TREE FENCING HAS BEEN INSPECTED AND APPROVED BY ARBORIST.

24 HOUR EMERGENCY CONTACT:

BILL HOLE
(404) 312-5075 (CELL)



TREE CALCULATIONS

SITE DENSITY FACTOR (SDF)
SDF = Total Acreage x 30
SDF = 16.1 Acres X 30
SDF = 483 Units

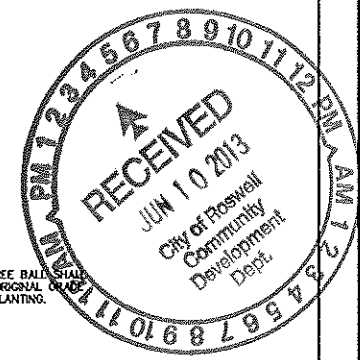
EXISTING DENSITY FACTOR (EDF)
EDF = 0

REPLACEMENT DENSITY FACTOR (RDF)
RDF = SDF - EDF
RDF = 483 - 0 = 483

RECOMPENSE REQUIRED = 111.2 units (see table above)
RECOMPENSE PROVIDED = 0 UNITS

483 UNITS + 111.2 UNITS = 594.2 UNITS REQUIRED

594.2 REQ'D UNITS - 291.4 PLANTED UNITS = 302.8 Units to the TREE BANK

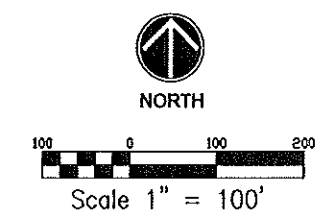


Qty	Common Name	Botanical Name	DBH	COMMENTS	Unit Value	Total Units	Percentage
25	Lacebark Elm	Ulmus parviflorus	4" cal.			9.5	9.19%
34	Green Ash	Fraxinus pennsylvanica	4" cal.			124.9	12.50%
20	Black Gum	Nyssa sylvatica	4" cal.			73.5	7.35%
23	Okame Cherry	Prunus x 'Okame'	3" cal.			84.6	8.46%
31	Nuttall Oak	Quercus nuttall	4" cal.			111.2	11.40%
Proposed Buffer Trees							
19	Okame Cherry	Prunus x 'Okame'	3" cal.		0.5	9.5	6.99%
9	Nuttall Oak	Quercus nuttall	4" cal.		0.9	8.1	3.31%
26	Japanese Cryptomeria	Cryptomeria japonica 'Yoshino'	3" cal.		0.5	13	8.66%
17	Deodar Cedar	Cedrus deodara	4" cal.		0.9	15.3	6.25%
68	Brooke cedar	Juniperus virginiana 'Brode'	3" cal.		0.5	34	25.00%
272						79.9	100.00%
Proposed Lot Trees							
Qty	Common Name	Botanical Name	DBH	COMMENTS	Unit Value	Total Units	
141	Understorey Trees		4" cal.	3 per lot	0.9	124.9	
94	Overstorey Trees		4" cal.	2 per lot	0.9	84.6	
235						211.5	
TOTAL TREE UNITS PLANTED						291.4	

DBH	Quantity	Specimen	Unit Value	Total Units
24" Oak	3	y	6.6	19.8
24" Oak	1	n	6.6	
24" Poplar	1	y	6.6	6.6
25" Oak	3	y	6.8	20.4
25" Poplar	1	y	6.8	6.8
26" Oak	3	y	6.9	20.7
26" Oak	1	y	6.9	6.9
27" Beech	1	n	7.15	
29" Oak	1	y	7.35	7.35
29" Poplar	1	y	7.35	7.35
30" Oak	1	y	7.5	7.5
32" Oak	1	y	7.8	7.8
				111.2

Site Information

Land Lot 1281 & 1282
2nd District, 2nd Section
Acres: 16.1
Existing Zoning: FC-A, R-2(c)
Proposed Zoning: R-3A



Tree Replacement Plan

THOMPSON PROPERTY

Roswell, Georgia

Job #13-3474.10

Civil Engineering
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May 7, 2013
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