

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 ENCROACH OR PLACE SOLVENTS, MATERIAL, CONSTRUCTION MACHINERY OR TEMPORARY SOIL DEPOSITS WITHIN SIX (6) FEET OF THE AREA OUTSIDE THE DROP 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 BY 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 MIL. 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 IN 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 WITH ROUND OR WITH CRITICAL ROOT ZONES (CRZ). TRENCHING OF THE TREE FENCE WILL NOT BE ALLOWED.

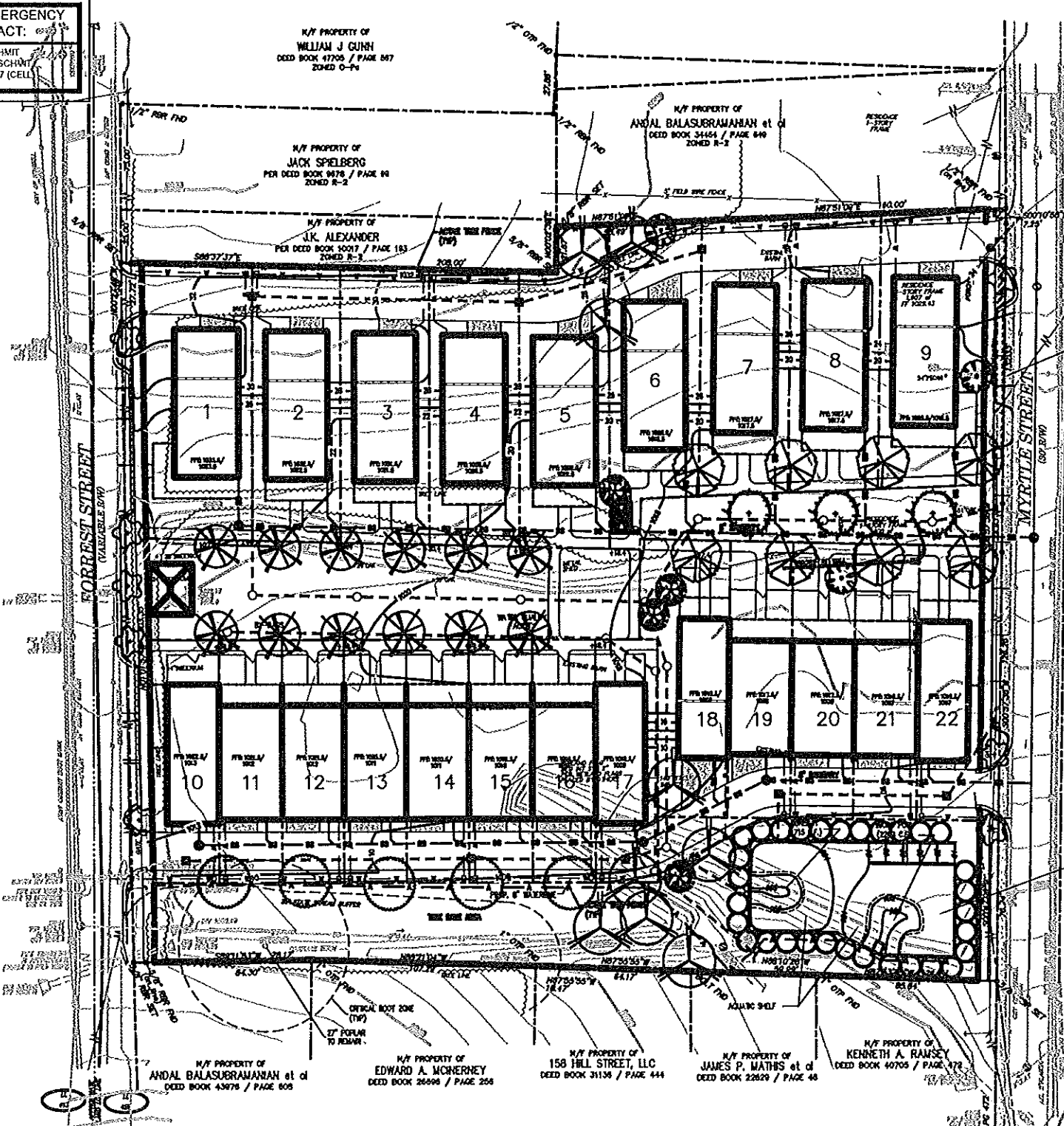
TREE SAVE FENCE FOR ENTIRE SITE MUST BE INSTALLED, INSPECTED AND APPROVED PRIOR TO INSTALLATION OF EROSION CONTROL MEASURES. NO LAND DISTURBANCE IS ALLOWED BEFORE TREE FENCING HAS BEEN INSPECTED AND APPROVED BY ARBORIST.

DBH	Common Name	Quantity	Unit Value	Total Units
17"	Poplar	1	7.05	7.05
Total Units				7.05

DBH	Common Name	Quantity	Unit Value	Total Units
20"	Servigum	1	7.2	7.2
14"	Servigum	1	n	
12"	Servigum	1	n	
24"	Oak	1	6.6	6.6
27"	Oak	1	n	
31"	Oak	1	7	7
34"	Pecan	1	n	
46"	Pecan	1	n	
Total Units				24.3

Botanical Name	Common Name	DBH	Quantity	Unit Value	Total Units
11381	Ulmus parviflorus (European)	4" cal.	11	0.3	3.3
11315	Quercus rubra (European)	4" cal.	9	0.3	2.7
18215	Acer rubrum (October Glory) (European)	4" cal.	9	0.3	2.7
1825	Taxodium distichum	4" cal.	3	0.5	1.5
1826	Liquidambar styraciflua (Sweetgum)	4" cal.	3	0.5	1.5
37245	Juniperus horizontalis (Creeping Juniper)	3" cal.	21	0.9	18.9
5111	Cercis canadensis	3" cal.	6	0.5	3
188	Cornus florida	3" cal.	3	0.5	1.5
Total Units					64.2

24 HOUR EMERGENCY CONTACT:
DAVE SCHMIT
MACAULEY SCHMIT
(978) 300-4877 (CELL)



TREE CALCULATIONS

SITE DENSITY FACTOR (SDF)
SDF = Total Acreage x 30
SDF = 3.293 Acres X 30
SDF = 99 Units

EXISTING DENSITY FACTOR (EDF)
EDF = 7.05 Units (see attached table)

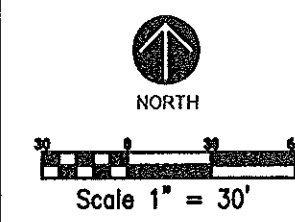
REPLACEMENT DENSITY FACTOR (RDF)
RDF = SDF - EDF
RDF = 99 - 7.05 = 91.95

RECOMPENSE REQUIRED = 24.3 UNITS
RECOMPENSE PROVIDED = 24.3 UNITS

91.95(RDF) + 24.3(RECOMPENSE) = 116.25 UNITS
UNITS PROVIDED = 64.2 UNITS
UNITS TO TREE BANK = 52.05 UNITS

Site Information
Land Lot 425
1st District, 2nd Section
Acres: 3.293
Existing Zoning: R-2 (Groeway Based Code)

- TREE LEGEND**
- LACEBARK ELM
 - OCTOBER GLORY RED MAPLE
 - BLACK GUM
 - NUTTALL OAK
 - BALD CYPRESS
 - MUSKOGEE CRAPE MYRTLE
 - BRODIE CEDAR
 - REDBUD
 - KOUSA DOGWOOD



Tree Replacement Plan
FORREST COMMONS
Roswell, Georgia

Job #12-3385.10

Civil Engineering
Land Planning
Landscape Architecture

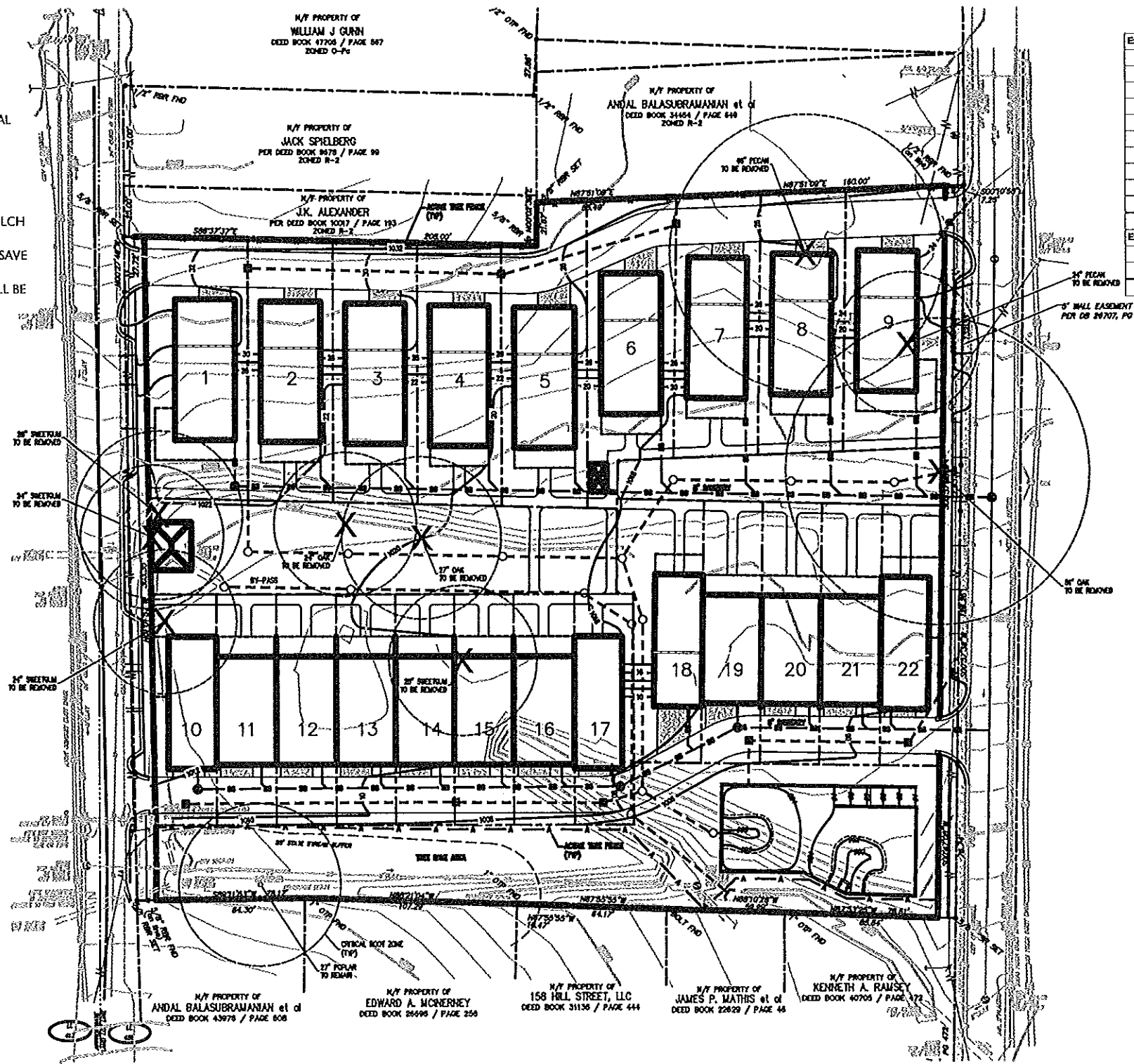
Water Resources
Property Services
Arboric Services

50 Warm Springs Circle
Roswell, Georgia 30075
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May 7, 2013

TREE NOTES:

1. WATER, FERTILIZE AND TREAT THE TREES FOR PESTS OR DISEASE AS NEEDED, IN ACCORDANCE WITH STANDARDS OF THE INTERNATIONAL SOCIETY OF ARBORICULTURE.
2. IF GRADING COVERS THE TREES WITH DUST, HOSE THEM OFF.
3. DO NOT RANDOMLY OR INCORRECTLY PRUNE LIVE BRANCHES SO THAT EQUIPMENT OR STRUCTURES CAN "FIT" WITHIN THE TREE'S PROTECTED ZONE.
4. DO NOT STRIP THE TOPSOIL OR REMOVED THE NATURAL LEAF MULCH OR MATERIAL FROM BENEATH A PROTECTED TREE.
5. TREES SHOULD BE FELLED AWAY FROM, RATHER THAN INTO, TREE SAVE AREAS.
6. PROVIDE ADEQUATE MULCHING AND WATER FOR TREES THAT WILL BE RETAINED.



Existing Trees to be Removed			
DBH	Quantity	Unit Value	Total Units
24" Pecan	1	6.6	6.6
24" Oak	1	6.6	6.6
24" Sweetgum	2	6.6	13.2
25" Sweetgum	1	6.75	6.75
27" Oak	1	7.05	7.05
27" Poplar	1	7.05	7.05
28" Sweetgum	1	7.2	7.2
46" Pecan	1	9.9	9.9
51" Pecan	1	10.5	10.5
			74.85
Existing Specimen Trees to remain (EDF)			
DBH	Quantity	Unit Value	Total Units
27" Poplar	1	7.05	7.05
			7.05

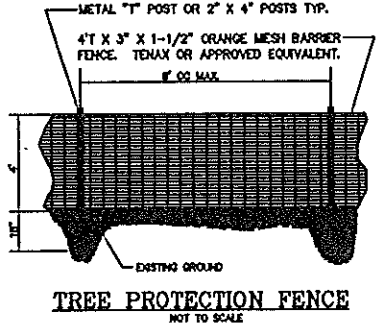
TREE CALCULATIONS

SITE DENSITY FACTOR (SDF)
 $SDF = \text{Total Acreage} \times 30$
 $SDF = 3.293 \text{ Acres} \times 30$
 $SDF = 99 \text{ Units}$

EXISTING DENSITY FACTOR (EDF)
 $EDF = 14.1 \text{ Units (see attached table)}$

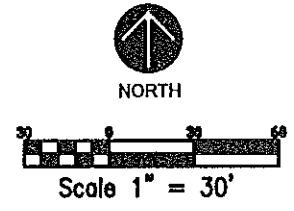
REPLACEMENT DENSITY FACTOR (RDF)
 $RDF = SDF - EDF$
 $RDF = 99 - 7.05 = 91.95$

RECOMPENSE REQUIRED = - UNITS
 RECOMPENSE PROVIDED = - UNITS



Site Information
 Land Lot 425
 1st District, 2nd Section
 Acres: 3.293
 Existing Zoning: R-2 (Grovebased Code)

24 HOUR EMERGENCY CONTACT:
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Tree Protection Plan
FORREST COMMONS
 Roswell, Georgia

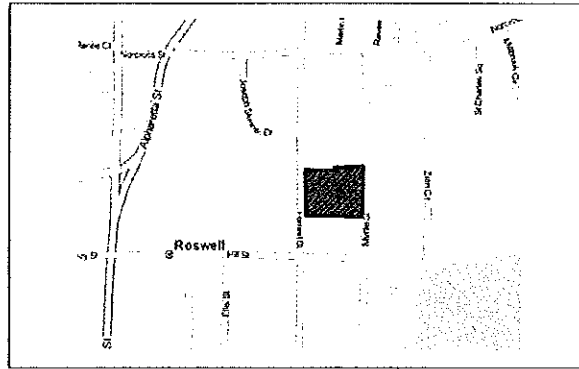
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Civil Engineering
 Land Planning
 Landscape Architecture

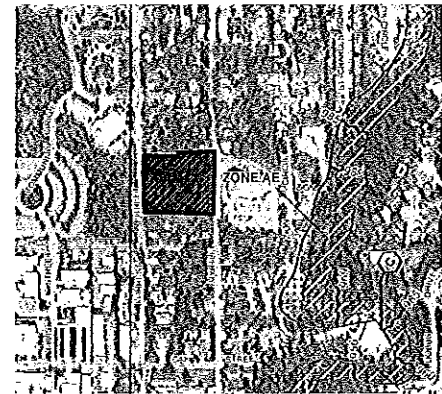
Water Resources
 Property Services
 Arborist Services

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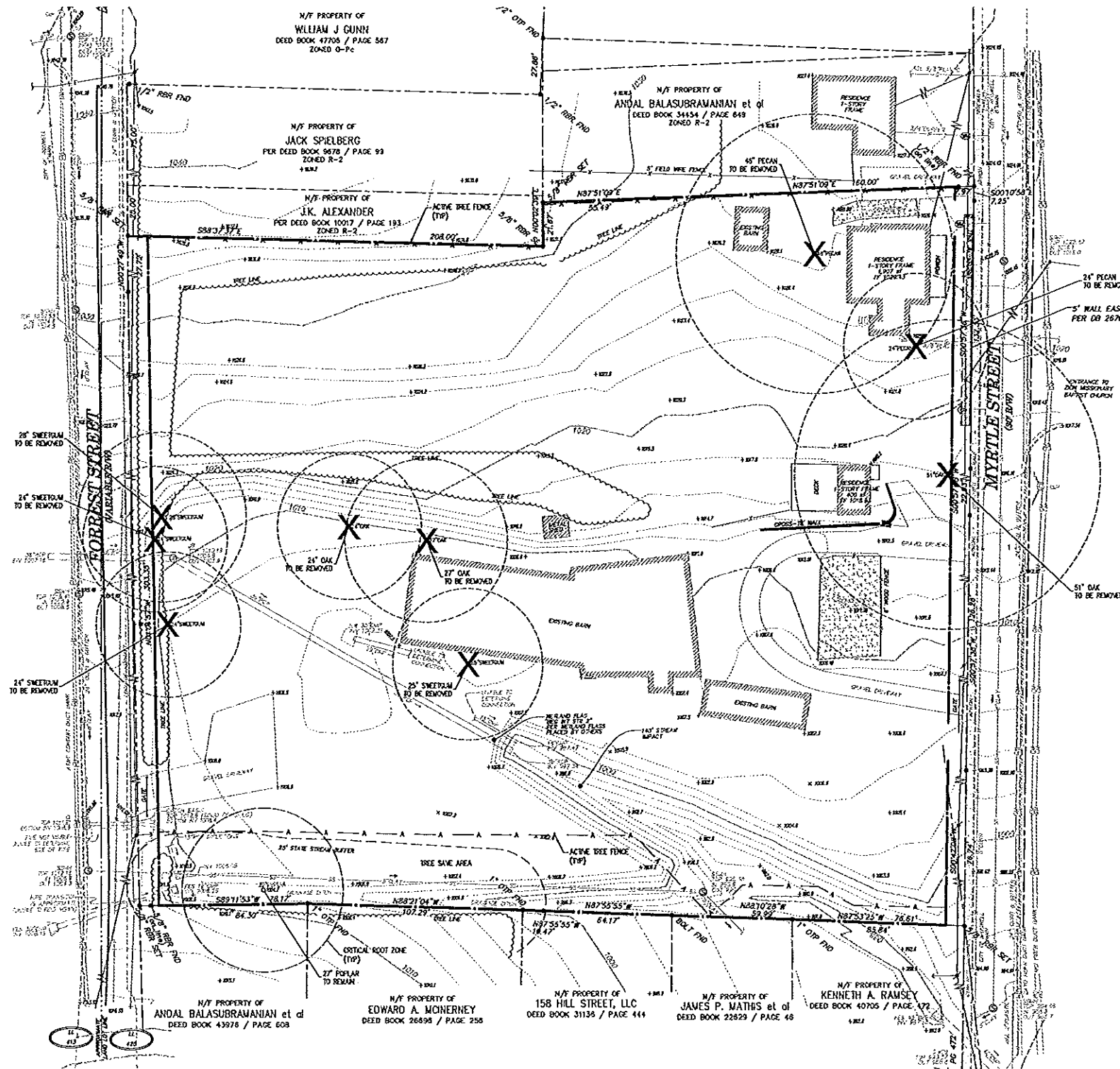
May 7, 2013



LOCATION MAP

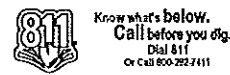


FIRM MAP
1"=500'
PANEL (FIRM) NO.: 13121C 0043F
REVISED: JUNE 18, 2010

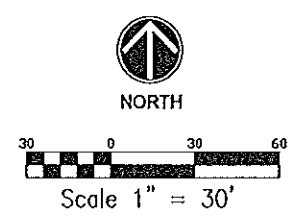


Site Information
 Land Lot 425
 1st District, 2nd Section
 Acres: 3.293
 Existing Zoning: R-2 (Groveyard Based Code)

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CAUTION
 THE UTILITIES SHOWN ARE SHOWN FOR THE CONTRACTOR'S CONFORMANCE ONLY. THERE MAY BE OTHER UTILITIES NOT SHOWN ON THESE PLANS. THE CONTRACTOR ASSUMES NO RESPONSIBILITY FOR THE LOCATION SHOWN AND IT SHALL BE THE CONTRACTOR'S RESPONSIBILITY TO VERIFY THE LOCATION OF ALL UTILITIES WITHIN THE LIMITS OF THE WORK. ALL DAMAGE MADE TO EXISTING UTILITIES BY THE CONTRACTOR SHALL BE THE SOLE RESPONSIBILITY OF THE CONTRACTOR.



Tree Survey

FORREST COMMONS

Roswell, Georgia

Job #12-3385.10

Civil Engineering
 Land Planning
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Water Resources
 Property Services
 Arborescences

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