Tree Survey/Tree Protection Plan - Sheet 2 of 3

Bell Drive Community

City of Smyrna, Georgia Land Lots 809, 17th District, 2nd Section

property owner:

The Woodbery Group, LLC
950 Lowery Boulevard
Suite #18
Atlanta, Georgia 30318
404-233-1411

0 20 40 80 160
Scale: 1" = 40'

October 30, 2017

north

DGM
LAND PLANNING CONSULTANTS
975 COBB PLACE BLVD, SUITE 212
KENNESAW GA 30144
770 514-9006
FAX 514-9491

GEORGIA LANDSCAPE ARCHITECT 906 DAVID G. MEYER

Tree Calculations

Site Area Calculation:
Net Site Area = 4.71 AC

Tree Density Calculation:
4.71 AC x 100"/AC = 471 Total Inches Required
EDF + RDF = SDF
EDF = 269" (269" of non-specimens + 0" of specimens preserved)
RDF = 302" (23 x 4"cal. street trees = 92" + 210" of replacement trees elsewhere on site)
269" + 302" = 571" SDF (with 100" surplus which will count against recompense)
therefore density is satisfied

Specimen Tree Recompense Calculation:
149" specimen trees have been removed. (see Tree Survey/ Protection Plan)
Therefore, the 100" maximum recompense applies.
100" of recompense has been provided by 6" replacement trees on site exclusive of street trees.

Street Tree Requirement:
23 trees are required per the street tree requirement (see Tree Replacement Plan). A total of 23 x 4" caliper trees have been provided. Street trees have been placed at every viable and appropriate location possible. The 23 (92") are being counted to satisfy density requirements.

Preserved Non Specimen Tree Inches

Tree Number	Tree Size DBH (in inches)	Tree Species
1	20	PINE
2	17	PINE
5	20	PINE
34	19	PINE
35	13	PINE
36	12	SWEET GUM
67	12	MAPLE (TWIN
68	12	MAPLE
69	29	MAPLE
70	16	OAK
86	15	PINE
87	18	PINE
88	12	PINE
89	12	SYCAMORE
90	14	PINE
91	14	PINE
93	14	CYPRESS
Total Inches:	**269**	

Removed Specimen Tree Inches

Tree Number	Tree Species	Tree Size DBH (in inches)	CRZ Radius (in feet)
351	Red Oak	53	80
352	Water Oak	48	72
354	Water Oak	48	72
Total Inches:		**149**	

Preserved Specimen Tree Inches

Tree Number	Tree Species	Tree Size DBH (in inches)	CRZ Radius
Total Inches:		**0**	

City of Smyrna Required Notes:

1. All existing trees, specimen and non-specimen, counted for EDF credits must be fully preserved during individual lot permitting
2. All trees must be planted at least 10' from any utility line.
3. Tree save fence for entire site must be installed, inspected and approved prior to 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.
4. The CRZ of Specimen trees receiving a 3X credit shall be protected with 6' chain link tree save fencing spaced 6' on center with metal support posts and Tree Save signage. Installation of tree save fence will involve no trenching. 4" of organic mulch over the CRZ and an above ground irrigation system.
5. 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.
6. If 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.
7. The Community Development Director must inspect and approve the site before the issuance of a Certificate of Occupancy.
8. Trees agreed upon to be saved is the responsibility of the owner.
9. A 3-4" layer of mulch will be required for the CRZ of Specimen Trees. Mulch must be applied prior to start of construction. Keep mulch at least 5'' from the trunk of the tree.
10. A minimum 3-4" layer of mulch will be required for all existing, non specimen, landscape trees, including street trees and parking lot trees. Mulch must be applied prior to start of construction. Mulch shall not be placed directly against tree trunks.
11. 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 prior to backfill.
12. Trees less than the caliper inch shown will not be accepted. I.e.: 4 inch caliper trees must be 4 inches or larger.
13. Plant height measurement is taken at the top of the main body of the plant and not at the tip of the topmost growth.
14. All newly planted trees shall be equivalent in quality to a Florida #1 grade or better. All trees of lesser quality shall be rejected by the Community Development Director.
15. Watering bags or a drip irrigation system will be provided for all trees prior to issuance of the certificate of occupancy. During first year bags will be refilled weekly by owner and refilled during droughts for a minimum of 2 years after installation.
16. All tree guys and stakes shall be removed from tree one year after planting or before.

NO TRENCHING ALLOWED IN TREE SAVE AREAS-INCLUDING IRRIGATION.

CONTACT THE COMMUNITY DEVELOPMENT DEPARTMENT (770) 319-5387 TO ARRANGE A PRECONSTRUCTION CONFERENCE PRIOR TO ANY LAND DISTURBANCE. NO PERMIT SHALL BE ISSUED UNTIL PLANS ARE APPROVED AND AN ON-SITEINSPECTION WITH CITY REPRESENTATIVE 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.

MODIFIED ARBORIST REPORT FOR:
Bell Drive – Phase 2 Development, Cobb County, Georgia
Prepared for: **The Woodbery Group**
Visual Inspection only Prepared by: T.J. Schell, LLC
Landscape Architects and Certified Arborists
2985 Gordy Parkway, Suite 422, Marietta, GA 30066
teresa@tjschell.com Cell 770-361-2319 Teresa H. Eldredge, RLA, ISA
Certified Arborist ISA SO-5442A
May 23, 2017
Revised June 16, 2017

City of Smyrna:
10" dbh Small Trees-Dogwood, Redbud, and Sourwood;
24" dbh Overstory-Genus oak and beech;
30" dbh Overstory-Ash, blackgum, cedar, fir, hickory, maple, pecan, persimmon, spruce;
36" dbh Overstory-Genus pine, sweetgum, and poplar.
A specimen tree must also meet the following minimum standards:
a. A life expectancy of greater than 15 years;
b. A structurally sound trunk, not hollow and having no extensive decay, and less than ten percent radial trunk dieback;
c. No more than two major and several minor dead limbs (hardwoods only);
d. No major insect or pathological problem;
e. Relatively uniform crown distribution or correctable crown distribution with no more than 70 percent of all branches on one side of tree;

#2708 Bell Dr.
No specimen trees

#2720 Bell Dr.
One 22" Water Oak at the edge of the driveway near the back corner of the house
1. **Water Oak – 21 + 19" DBH (28.4 with calculation)** – (Tag #349) Double trunk at 1' ht. – not structurally sounds, some decay at areas around base. Request Not Specimen

#2732 Bell Dr.
1. **Maple – 34" DBH** – (Tag #350) Double trunk (+/- 8' ht. split) with included bark. 3 large dead branches and one main trunk rings hollow when sounded with mallet. Request Not Specimen. One other large maple in backyard, does not meet 30" caliper minimum

#2742 Bell Dr.
1. **Maple – 31" DBH** – (Tag #354) 10% canopy dieback, several vertical splits on trunk with fungal bodies at openings (4 separate locations around tree indicates internal decay), rings hollow when sounded on one side of tree - Request Not Specimen

#2754 Bell Dr. – No specimen sized trees
No specimen trees. Two large maples and one large Pine in back yard (do not meet DBH minimum requirements)

#2766 Bell Dr.
No specimen trees. Two med. - large maples as measured at narrowest point below split (do not meet minimum requirements)

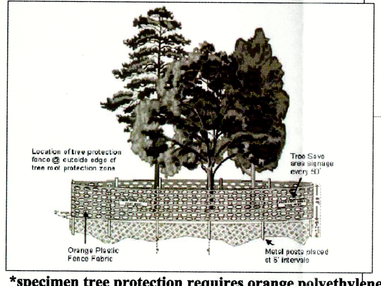
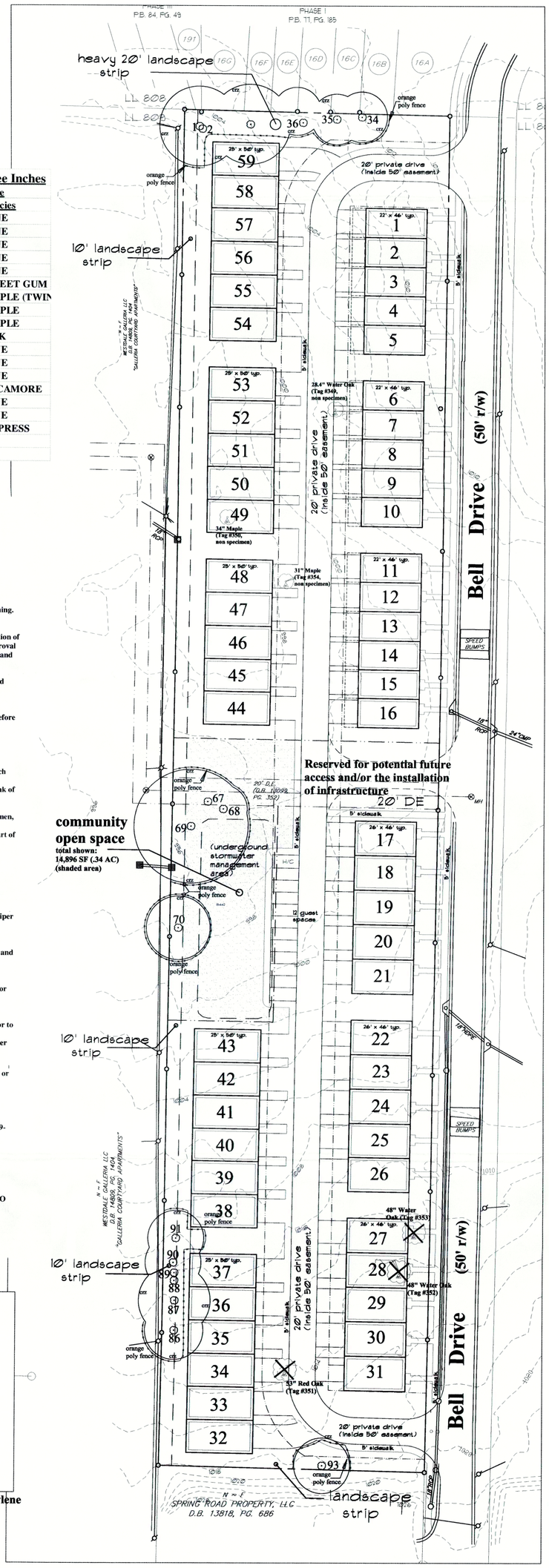
#2776 Bell Dr.
No specimen trees

#2788 Bell Dr.
No specimen trees. Two large pines and one pecan in front yard (do not meet minimum requirements) – Large maple in backyard as measured at narrowest point below split does not meet minimum requirements.

#2800 Bell Dr.
1. **Water Oak – 48" DBH** – (Tag #353) Minor included bark. Needs canopy cleaning. **Good Condition**
2. **Water Oak – 48" DBH** – (Tag #352) Included barks shows previous initial point of partial failure. Although wound wood appears strong at perimeter of disturbed area, point of previous failure is critical to structural integrity of tree. Horne, sidewalk (recently replaced) and roadway (Bell Dr.) are all in target zone. Request Not Specimen.

#2812 Bell Dr.
1. **Red Oak – 53" DBH – (Tag #351)** Needs canopy cleaning. Good Condition

Tree Protection for Non-Specimen Trees



***specimen tree protection requires orange polyethylene fence be replaced with chain link fence.**