

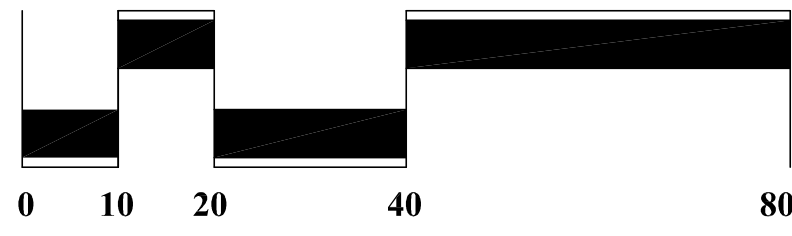
Tree Survey/Protection/Replacement Plan - Sheet 2 of 2

# 2451 Adams Drive

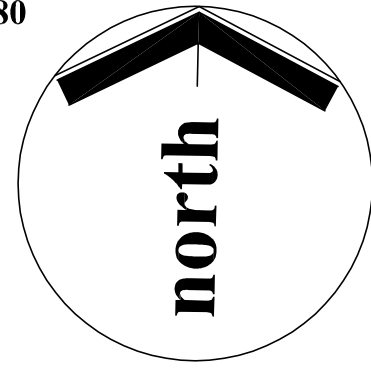
City of Smyrna, Georgia Land Lot 519, 17th District, 2nd Section

property owner:

**Mr. Ronald Dickinson**  
**P.O. Box 813220**  
**Smyrna, Georgia 30081**



January 29, 2018



**DGM**  
 LAND PLANNING  
 CONSULTANTS



975 COBB PLACE  
 BLVD, SUITE 212  
 KENNESAW  
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 770 514-9006  
 FAX 514-9491



## Tree Calculations

**Site Area Calculation:**  
 Net Site Area = .426 AC

**Tree Density Calculation:**  
 $.426 \text{ AC} \times 100''/\text{AC} = 42.6 \text{ Total Inches Required}$   
 $\text{EDF} + \text{RDF} = \text{SDF}$   
 $\text{EDF} = 58'' \text{ (0'' of non-specimens + 58'' of specimens preserved)}$   
 $\text{RDF} = 0'' \text{ (not required)}$   
 $58'' + 0'' = 58'' \text{ SDF, therefore density is satisfied}$

**Specimen Tree Recompense Calculation:**  
 0 specimen trees have been removed. (see Plan)

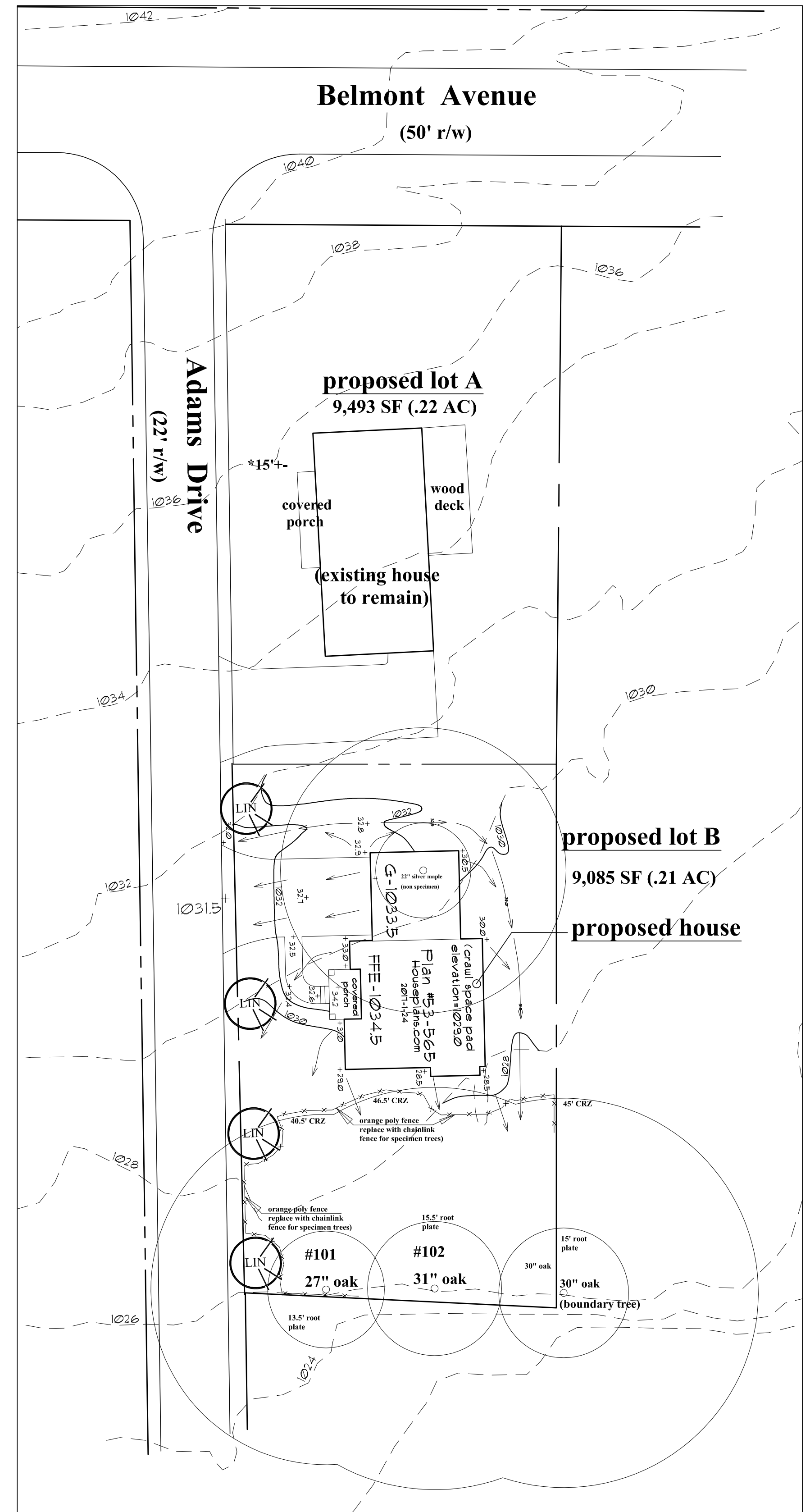
**Street Tree Requirement:**  
 4 understory street trees are required due to overhead power lines (see Tree Plan). 122' of road frontage less 21' for driveway = 101 LF/30 = 3.36 total trees. A total of 4 x 3" caliper Crape Myrtles (*Lagerstroemia indica*) are proposed to be planted 30' on center, provided. Street trees have been placed at every viable and appropriate location possible.

**NOTE:**

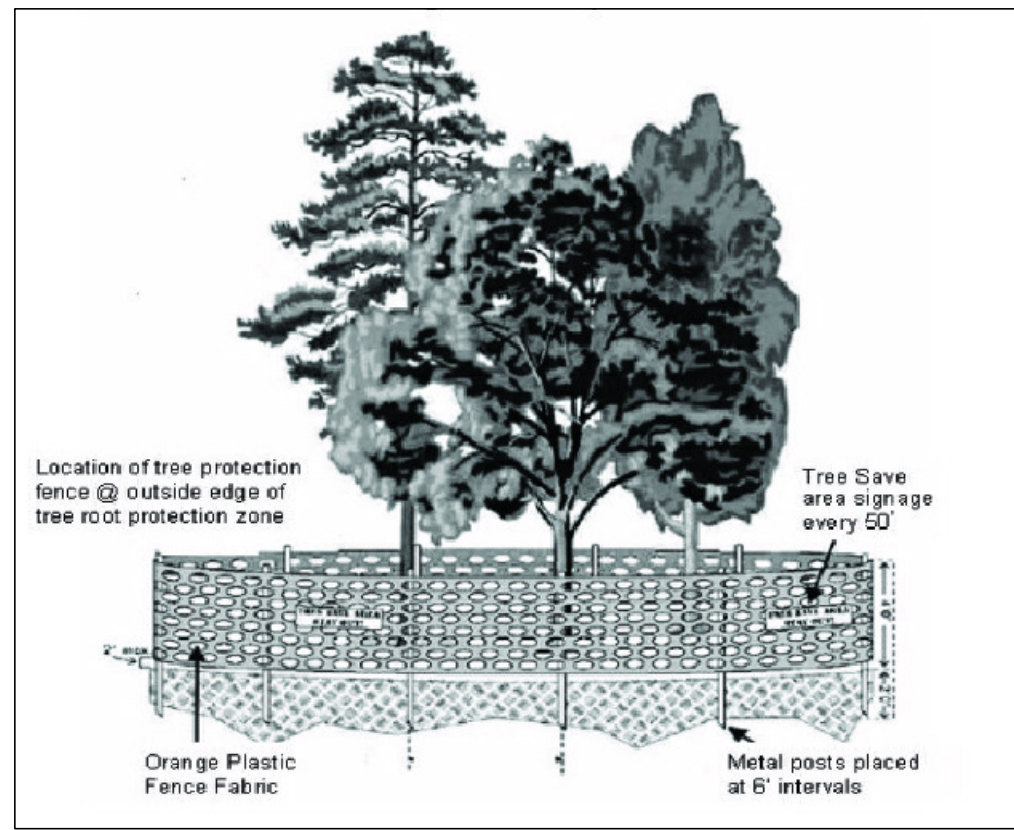
CONTACT THE COMMUNITY DEVELOPMENT DEPARTMENT (770) 319-5387 TO ARRANGE A PRECONSTRUCTION CONFERENCE PRIOR TO ANY LAND DISTURBANCE. NO PERMIT SHALL BE ISSUED UNTIL PLANS ARE APPROVED AND AN ON-SITE INSPECTION WITH CITY REPRESENTATIVE OCCURS.

ALL TREE PROTECTION MEASURES SHALL BE INSTALLED PRIOR TO GRADING OR THE REMOVAL OF IMPERVIOUS SURFACES OR STRUCTURES.

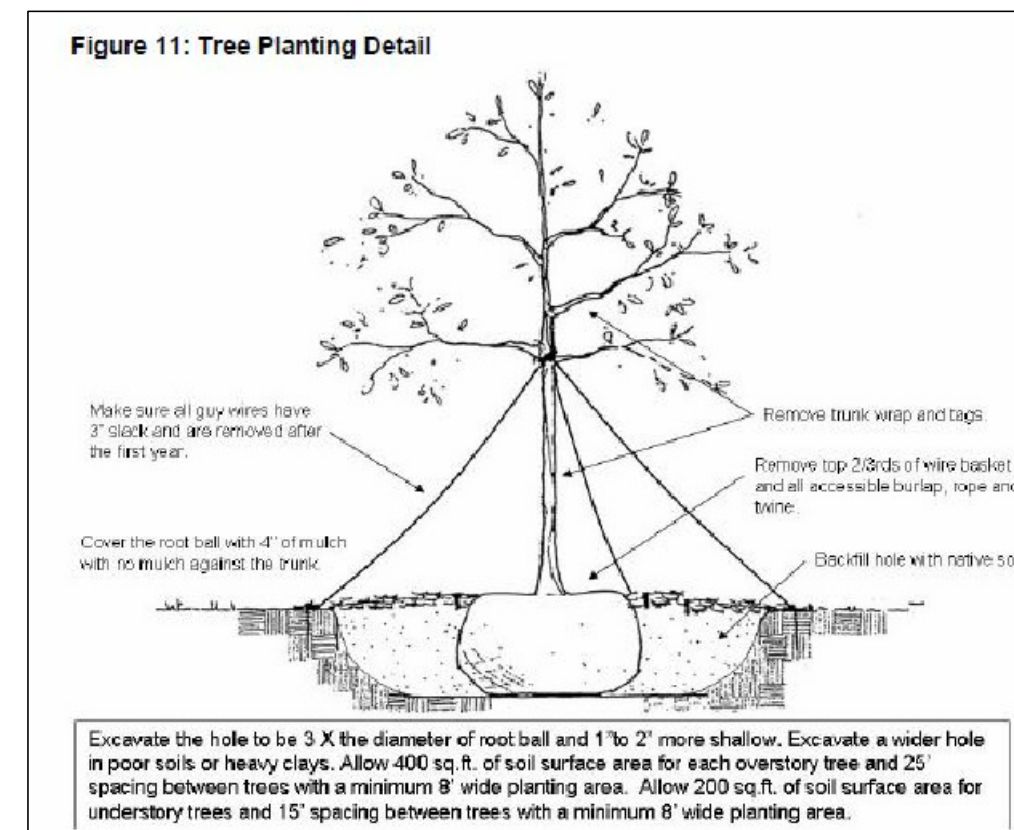
BUFFERS SHALL BE REPLANTED SUBJECT TO COMMUNITY DEVELOPMENT DEPARTMENT APPROVAL.



Preserved Specimen Tree Inches			
Tree Number	Tree Species	Tree Size DBH (in inches)	CRZ Radius
101	water oak	27	40.5
102	water oak	31	46.5
<b>Total Inches</b>		<b>58</b>	



**City of Smyrna Tree protection detail**



**City of Smyrna Tree planting detail**

**City of Smyrna Required Notes:**

- 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' from any utility line.
- 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.
- 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.
- 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 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 3-4" 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.
- 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.
- 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.
- Trees less than the caliper inch shown will not be accepted. I.e.: 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 shall 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. 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.**

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## Proposed Tree List

PLANT TYPE	LABEL	QUAN.	COMMON NAME	BOTANICAL NAME	SIZE	HGT.	DENSITY	RECOMP.
<b>Replacement Trees</b>								
(street tree)	LIN	4	White Natchez Crape Myrtle	Lagerstroemia indica 'Natchez'	15 Gal.	12'-14'	n/a	n/a