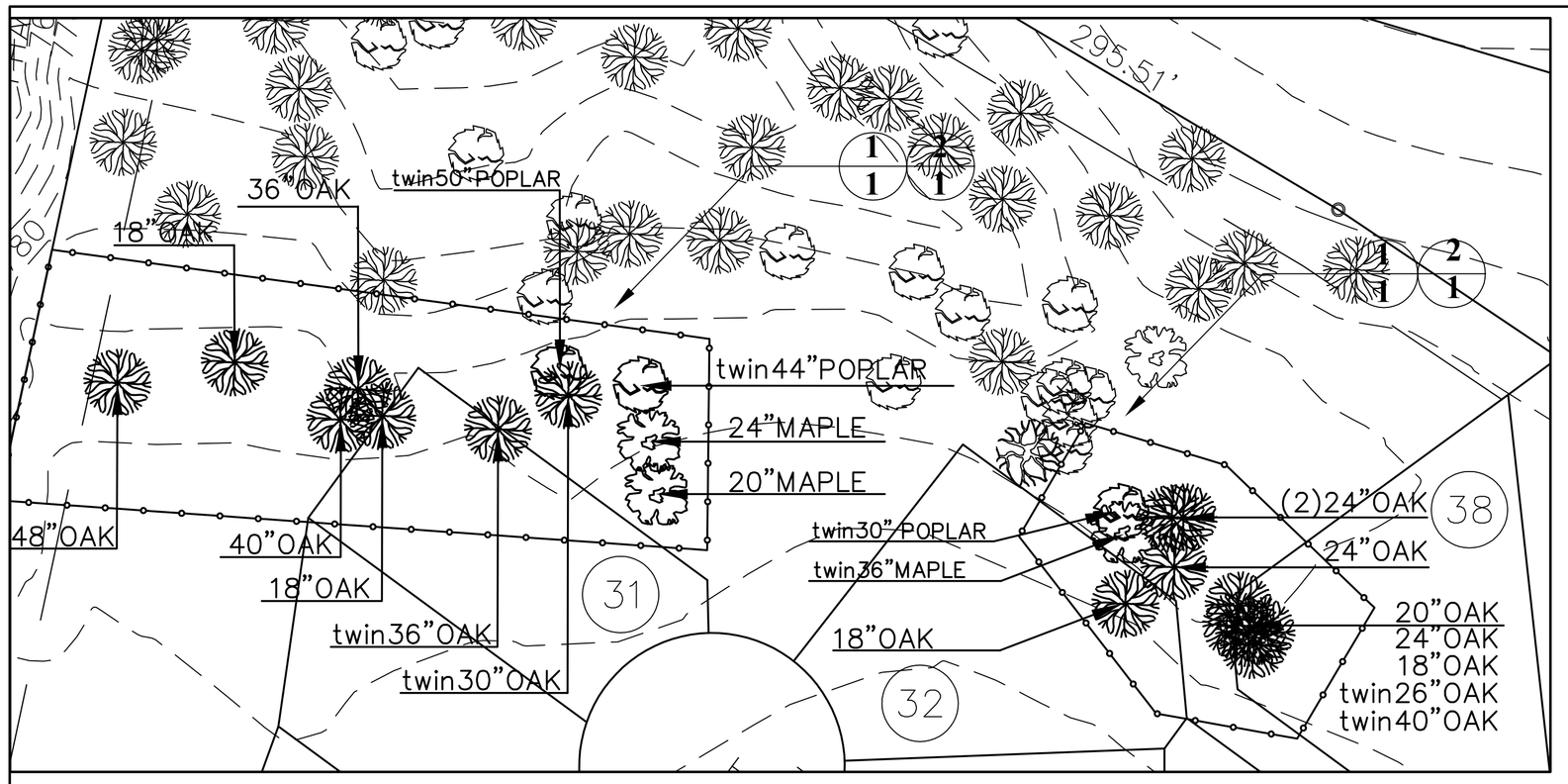
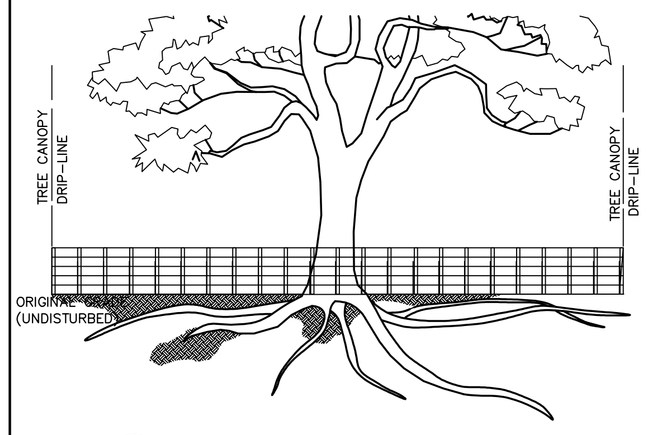


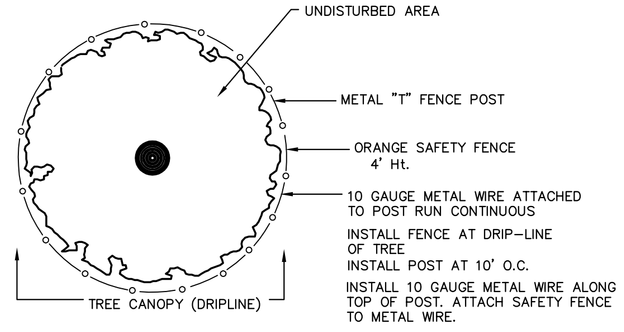
DENSITY UNIT CREDITS FOR PRESERVED TREES

QTY	SIZE	CREDIT PER TREE	TOTAL CREDITS
4	18"	3.8	15.2
2	20"	4.0	8.0
5	24"	9.3	46.5
1	26"	11.1	11.1
2	30"	14.7	29.4
3	36"	22.0(x2)	132.0
2	40"	27.0(x2)	108.0
1	44"	36.0(x2)	72.0
1	48"	36.0(x2)	72.0
1	50"	45.0(x2)	90.0
		TOTAL:	**584.2**

DISTURBED ACRES:	16.7
TREE CREDITS REQUIRED:	167.0
TOTAL LOTS:	44.0
TREE CREDIT REQUIRED:	88.0
TOTAL CREDITS REQUIRED:	**255.0**
TREE CREDITS PROVIDED:	**584.2**



1/1 TREE PROTECTION FENCE DETAIL
1/1 NOT TO SCALE



2/1 TREE PROTECTION FENCE DETAIL
2/1 NOT TO SCALE

TREE PROTECTION NOTES

1. A root protections zone will be established around each tree or cluster of trees to be preserved and along the stream buffers to meet the tree preservation ordinance. The root protection zone shall be a circular area defined by the radius extending outward from the trunk of the tree a distance of one (1) linear foot for each diameter inch and at breast height (4.5') of the tree. For example a ten (10) inch diameter tree will have a ten (10) foot radius root protection zone.

2. The fencing for the root protection zone and the stream buffers must be installed by the day of the pre-construction meeting. If it has not been installed by this scheduled meeting the pre-constructions meeting will be cancelled and rescheduled for a later date.

3. No work shall begin until tree protection fencing has been installed. Tree protection fencing shall be installed, maintained, and repaired by the contractor during construction.

4. The temporary construction fence shall be installed at the drip line (or tree protection zone). To protect lower branches the fence must be outside the drip line.

5. The fencing shall be substantial enough to prevent equipment and machinery from entering the protection zone. A minimum of four foot (4') high fence on metal posts with orange plastic web (snow fencing) or a welder wire fence barrier with web will be required. In urban areas with the presence of heavy pedestrian traffic a plywood clad boarding, or where visibility must be maintained a four foot (4') high fence consisting of orange plastic web (snow fencing), on a wood frame made of two by four foot (2 x 4').

All supports and bracing should be outside the tree protection zone. All such supports should minimize damaging roots outside the tree protection zone.

6. No equipment, vehicles or materials shall be operated or stored within the root protection zone. No lounging of workers in the area.

7. The following is not allowed in the root protection zone:
   A. Buildings or new impervious surfaces such as sidewalks and pavements.
   B. Grade changes of more than three inches (3") or cut and fill during or after construction.
   C. Utility or drainage field placement.
   D. Storing topsoil

8. All construction waste, including but not limited to building material debris, roofing materials, cleaning of cement trucks, chemical/ adhesives/ solutes, etc., shall be stored or disposed of no closer than fifty feet (50') from the tree protection zone.

9. Avoid changing water drainage patterns near the tree protection zone.

10. Ensure project construction access route is indicated on the plan to ensure root damages will be avoided.

11. No wires, nails, or other material may be attached to protected trees.

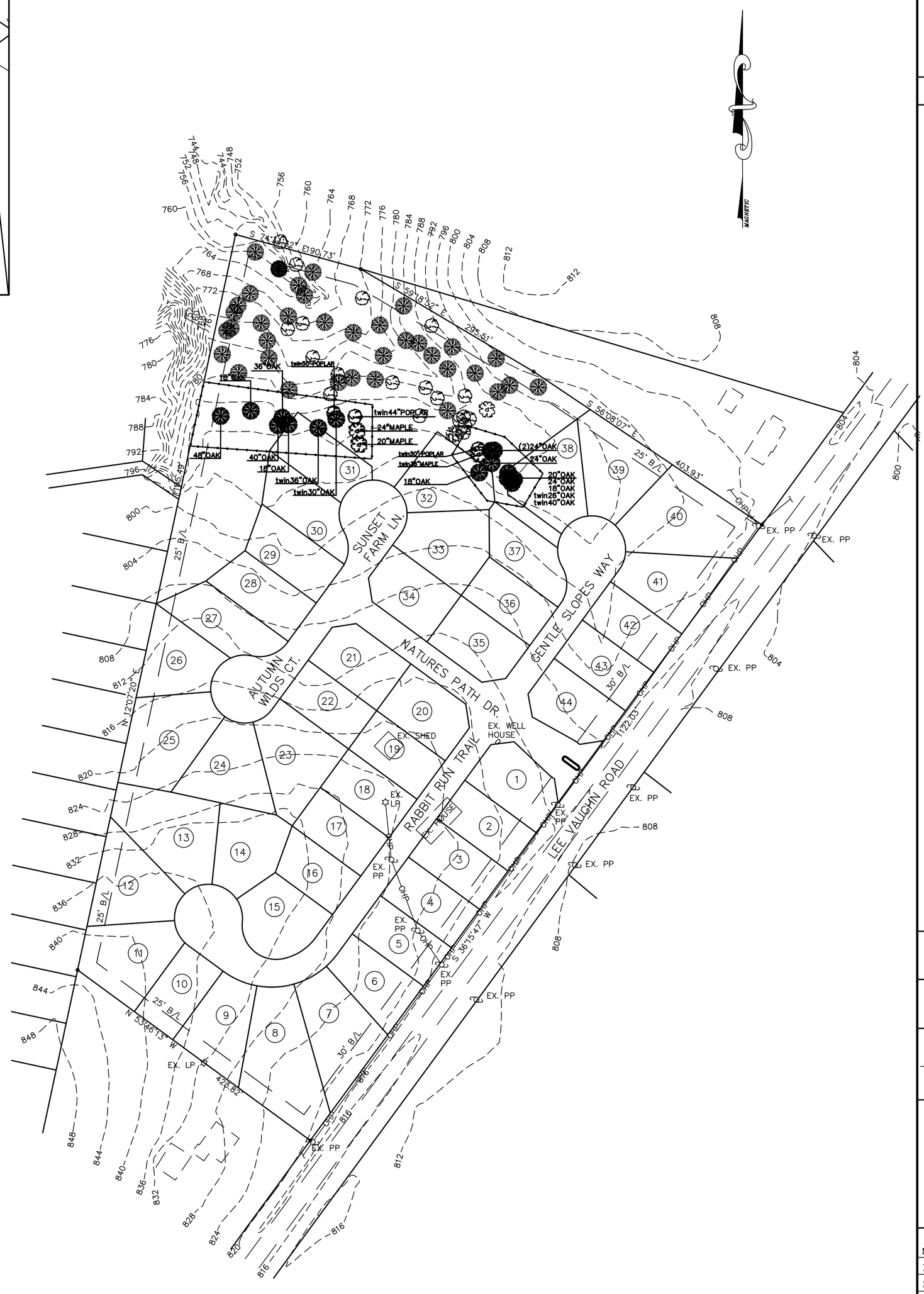
12. Trees must be maintained in good health throughout the construction process. Maintenance may include watering the root protection zone and/or washing foliage.

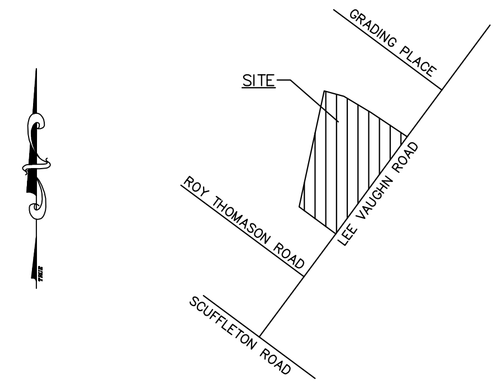
13. If trenching in the root protection zone of mature trees cannot be avoided, the following precautions apply:
   A. Mulch the root protection zone prior to trenching to develop a soil environment conducive to new root growth
   B. Consolidate all utilities into one trench that impacts less than one third ($\frac{1}{3}$) the area of the root protection zone
   C. Hand excavate a single trench under the dripline; carefully excise and protect roots over one inch (1") diameter. Feed pipes or conduit underneath the preserved roots
   D. Where roots are cut, the exposed soil surface on both sides of the trench shall be protected from desiccation by a tarp or plastic sheeting.
   E. Irrigation during the first two (2) dry seasons may be necessary. Caution must be taken not to over irrigate as root rot may result. Check soil moisture at inches six (6), twelve (12), and twenty four (24). Water only when dry at inches twelve (12) and twenty four (24).

14. New and replacement trees that will be planted in the stream buffer must use low impact methods that reduced the disturbance and compaction to the soil and ground cover by hand planting and minimizing the use of heavy equipment operations. The planting operations should only take place during dry soil conditions. For temporary traffic over the root zone, the access path should be vertically mulched then covered with at least eight inches of bark or work chips to prevent compaction or use a matting system and skid trails for the access path.

15. Removal of the fence shall only occur to allow for trenching as outlined in number thirteen (13) or to allow the complete site landscaping as outlined in number fourteen (14).

16. If a site has been found to have violated the tree ordinance by encroaching into the tree protection zone the county will stop work, issue a notice of corrections and the contractor will by subject to a $250 fee to be paid prior to releasing stop work order.





VICINITY MAP

TREE PROTECTION PLAN

WALNUT RIDGE

D.C. SNIPES CO.	FANT, REICHERT, & FOGLEMAN, INC.
OWNER	ENGINEER

No. ACRES: 16.7 MILES OF NEW ROAD: 0.3
No. LOTS: 44 DATE: 10-22-08

100' 0 100' 200' 300'
SCALE: 1" = 100'

REVISIONS			
No.	DATE		BY
1	12.02	QTY REVISION	
2			
3			
4			
5			
6			

FRF FANT REICHERT & FOGLEMAN, INC.
ENGINEERING & SURVEYING
725 LOWNDES HILL ROAD
GREENVILLE, SC 29607
PH: (864) 271-8633

DRAWN BY: MHG
PROJECT NO. 06181

06181TP.DWG