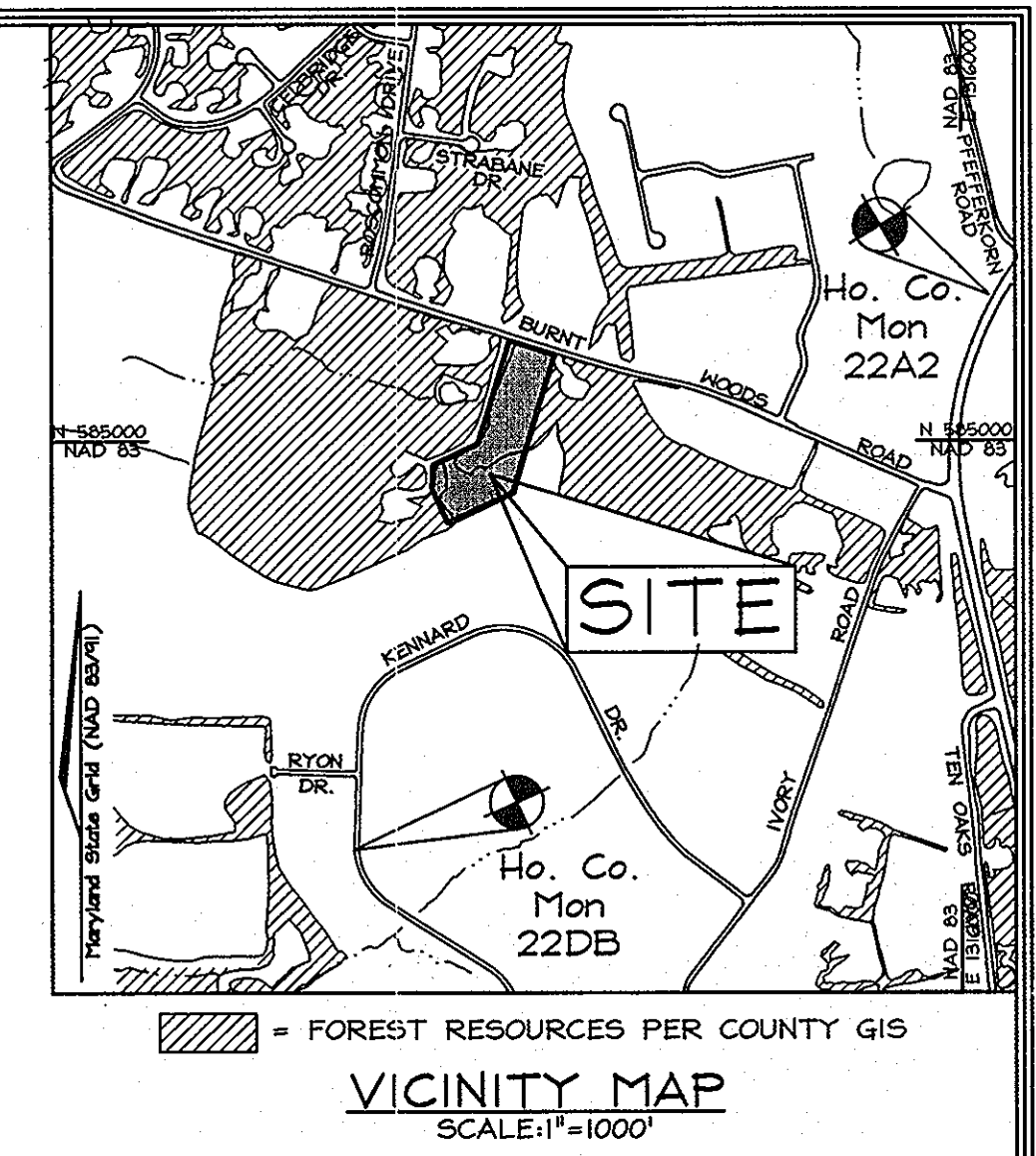


SOILS LEGEND

SYMBOL	NAME / DESCRIPTION	SOIL GROUP
Ba*	Balle silt loam	D
CgB2	Chester gravelly silt loam, 3 to 8 percent slopes, moderately eroded	B
CgC2	Chester gravelly silt loam, 8 to 15 percent slopes, moderately eroded	B
ChB2	Chester silt loam, 3 to 8 percent slopes, moderately eroded	B
EkcB2	Elkook silt loam, 3 to 8 percent slopes, moderately eroded	B
EkcC2	Elkook silt loam, 8 to 15 percent slopes, moderately eroded	B

* hydric soil
There are no soils with a K value of 0.35 or above on slopes of 15% or more on this project site.

- ### LEGEND
- Existing Contour: ---
 - Proposed Contour: - - -
 - Direction of Flow: →
 - Existing Spot Elevation: 382.3
 - Proposed Spot Elevation: +82.52
 - Existing Trees to Remain: [Tree Symbol]
 - Stream Centerline: ---
 - Stream Buffer: ---
 - Wetlands: [Wetland Symbol]
 - Wetland Buffer: ---
 - Soil Boundary: ---
 - Soil Label: EkcB2
 - Existing Septic Easement: [Hatched Box]
 - Proposed Septic Easement: [Hatched Box]
 - Forest Conservation Easement: [Hatched Box]
 - Tree Protection Fence: [Line with 'X']
 - FCE Signage: [Triangle]



FOREST CONSERVATION WORKSHEET

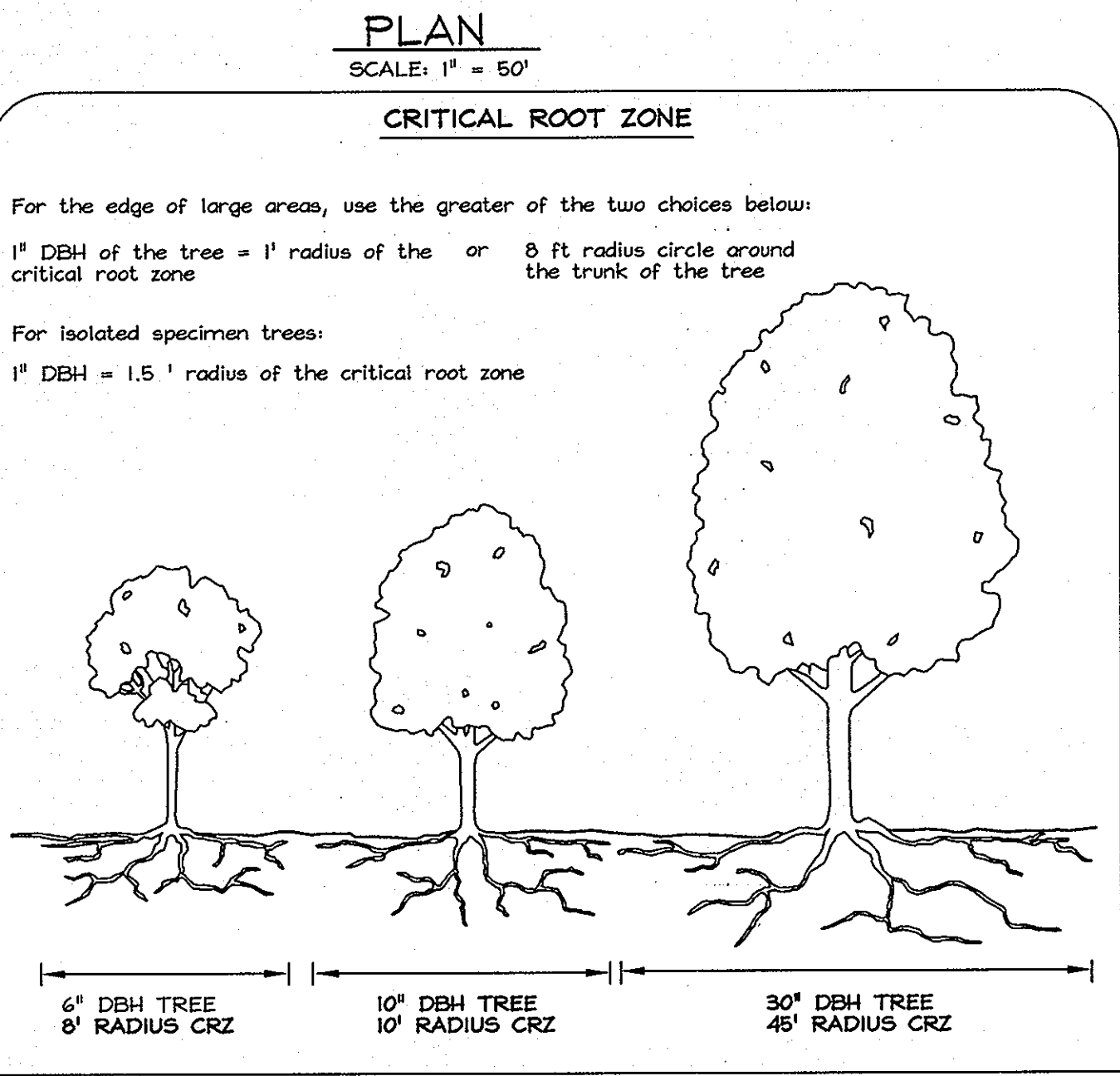
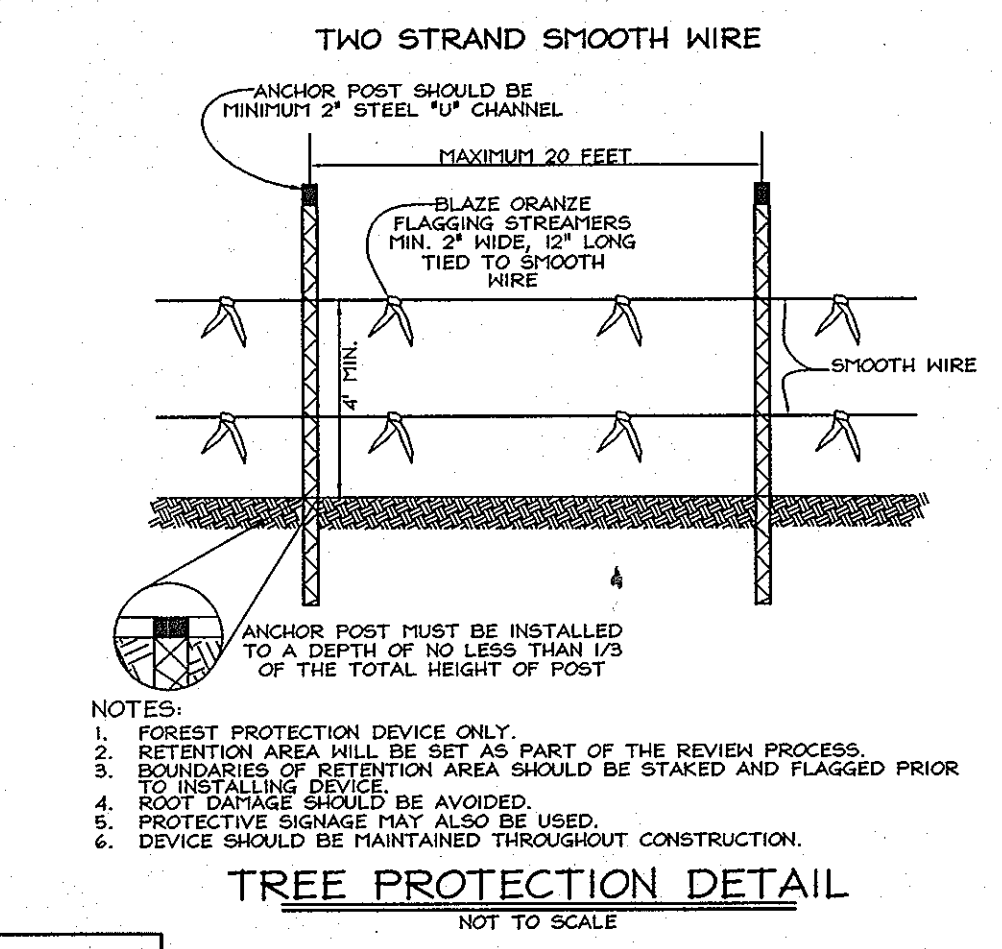
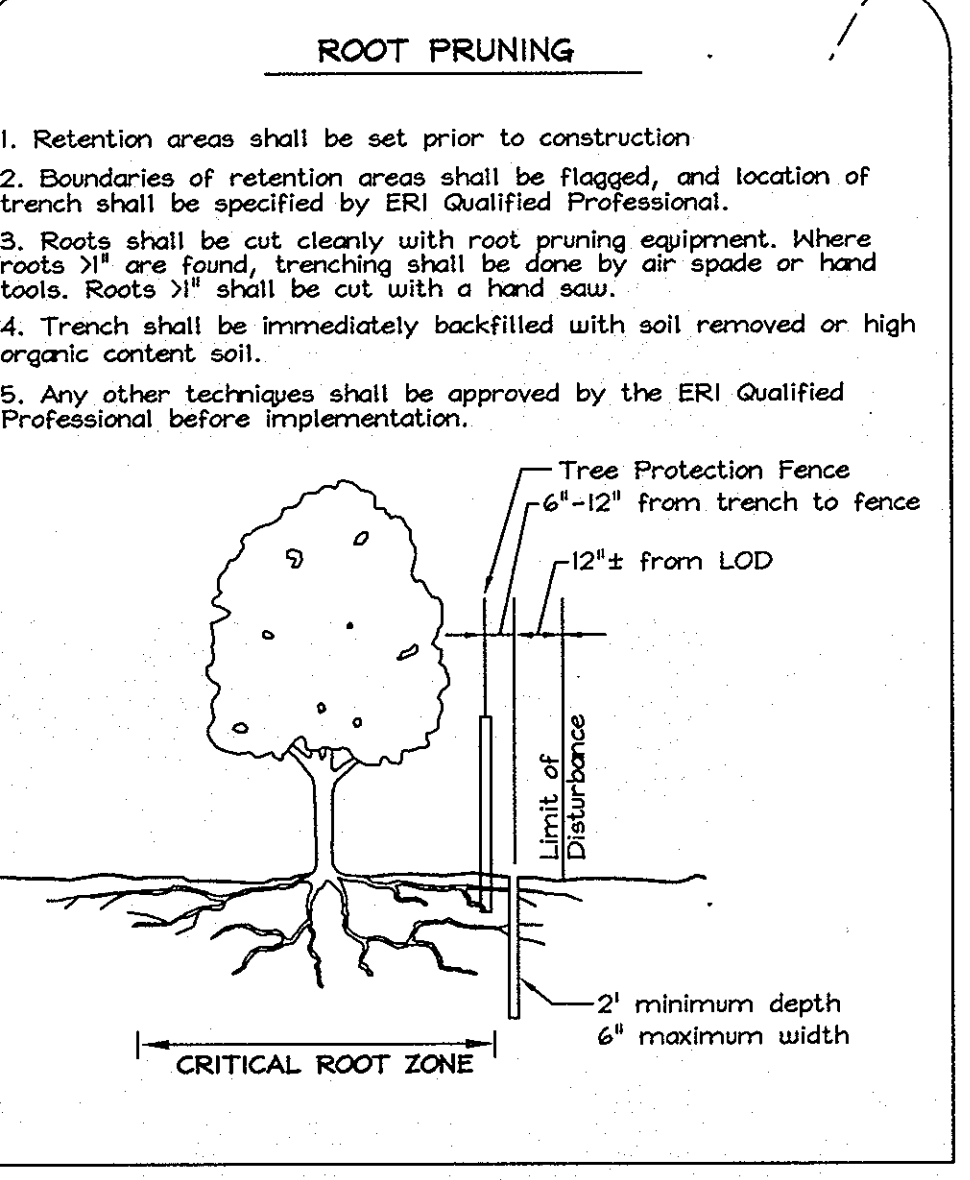
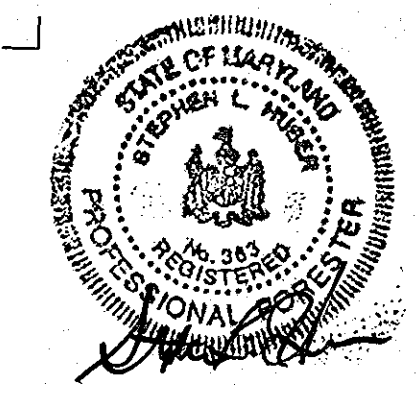
Net Tract Area	Acres
A. Total Tract Area	6.15
B. Area Within 100 Year Floodplain	--
C. Other deductions	--
D. Net Tract Area	6.15
Zoning Use Category: RESIDENTIAL-RURAL MEDIUM DENSITY	
Land Use Category	
E. Afforestation Minimum (20 % x D)	1.23
F. Conservation Threshold (25 % x D)	1.54
Existing Forest Cover	
G. Existing Forest on Net Tract Area	4.08
H. Forest Area Above Conservation Threshold	2.54
Break-even Point	
I. Forest Retention Above Threshold with no Mitigation	2.05
J. Clearing Permitted without Mitigation	2.03
Proposed Forest Clearing	
K. Forest Areas to be Cleared	2.03
L. Forest Areas to be Retained	2.05
Planting Requirements	
M. Reforestation for Clearing Above Threshold	0.51
N. Reforestation for Clearing Below the Threshold	0
P. Credit for Retention Above Conservation Threshold	0.51
Q. Total Reforestation Required	0
R. Total Afforestation Required	0
S. Total Reforestation and Afforestation Requirement	0

FOREST CONSERVATION NARRATIVE

This Forest Conservation Plan has been developed in accordance with the Howard County Forest Conservation Act of 1991.

The total tract area consists of 6.15 acres of land. The site contains 4.08 Ac. of forest. These woodlands will be preserved to the maximum extent possible utilizing retention on lots greater than 60,000 s.f. placed into an easement as per the county's request. The on-lot retention will total 2.05 Ac. as shown, which is enough to meet the break-even point. We do not anticipate that the new lot will be cleared any more than is necessary; limits of disturbance reflect the maximum that could be needed.

Forest Conservation surety in the amount of \$17,859.60 will be posted with the Developers Agreement. (Retention: 2.05 Ac./\$4,298 s.f. @ \$9,200/s.f. = \$17,859.60)



- ### Management Notes for Forest Areas
- All proposed activities shall adhere to the conditions, schedules and terms of an approved sediment control and erosion plan.
 - After the boundaries of the retention area have been staked and flagged and before any disturbance has taken place on-site, a preconstruction meeting at the construction site shall take place. The developer, contractor or project manager, and appropriate County inspectors shall attend.
 - Tree protection for all retained areas:
 - All retention areas within 50 feet of proposed construction activities shall be protected by highly visible, well anchored temporary protection devices (silt fence or blaze orange plastic mesh).
 - All protection devices shall be in place prior to any grading or land clearing.
 - All protection devices shall be properly maintained and shall remain in place until construction has ceased.
 - Attachment of signs, fencing or other objects to trees is prohibited.
 - No equipment, machinery, vehicles, materials or excessive pedestrian traffic shall be allowed within protected areas.
 - If the critical root zone (see detail) is affected by construction activities such as grade change, digging for foundations and roads or utility installation:
 - Prune roots with a clean cut using proper pruning equipment (see root pruning detail)
 - Water and fertilize as needed.
 - During construction phase, monitor and correct condition of retained trees for soil compaction, root injury, flood conditions, drought conditions and other stress signs.
 - Inspect existing trees around the perimeter of disturbed limits for evidence of soil compaction, root injury, limb injury, or other stress signs and correct with proper management techniques such as root or limb pruning, soil aeration, fertilization, crown reduction or watering. Inspection and evaluation shall be performed by a licensed tree expert.
 - Inspect for dead or dying trees or limbs which may pose safety hazard and remove.
 - No burial of discarded materials will occur onsite within the conservation areas.
 - No burning within 100 feet of wooded area.
 - All temporary forest protection structures will be removed after construction. Temporary signage shall be replaced with permanent signage on posts in locations shown.
 - Following completion of construction, prior to use, the County Inspector shall inspect the entire area.



EXPLORATION RESEARCH, INC.

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LANDSCAPE ARCHITECTS
6339 HOWARD LANE
ELKRDGE, MARYLAND 21075
TEL: (410) 587-5200 FAX: (410) 708-1582

FOREST CONSERVATION PLAN

RUBEN PROPERTY

LOTS 1 & 2
(A RESUBDIVISION OF THE W.B. PROPERTY LOT 7 PLAT # 6443)
TAX MAP 22 GRID 7
3RD ELECTION DISTRICT HOWARD COUNTY, MARYLAND

DESIGN BY: ---
DRAWN BY: SHM
CHECKED BY: SLH
SCALE: As Shown
DATE: June 27, 2007
W.O. No.: 3403/2393
SHEET No.: 1 OF 1

FSH Associates
Engineers Planners Surveyors
6339 Howard Lane Elkridge, MD 21075
Tel: 410-587-5200 Fax: 410-796-1582
E-mail: info@fshet.com

OWNER/DEVELOPER
STEVEN D. RUBEN & KATHERINE RUBEN
13835 Burntwoods Road
Glenelg, Maryland 21737-9722

APPROVED: HOWARD COUNTY DEPARTMENT OF PLANNING AND ZONING

[Signature] 8/3/07
CHIEF, DEVELOPMENT ENGINEERING DIVISION (DATE)

[Signature] 8/16/07
CHIEF, DIVISION OF LAND DEVELOPMENT (DATE)

DIRECTOR DATE