

LEGEND

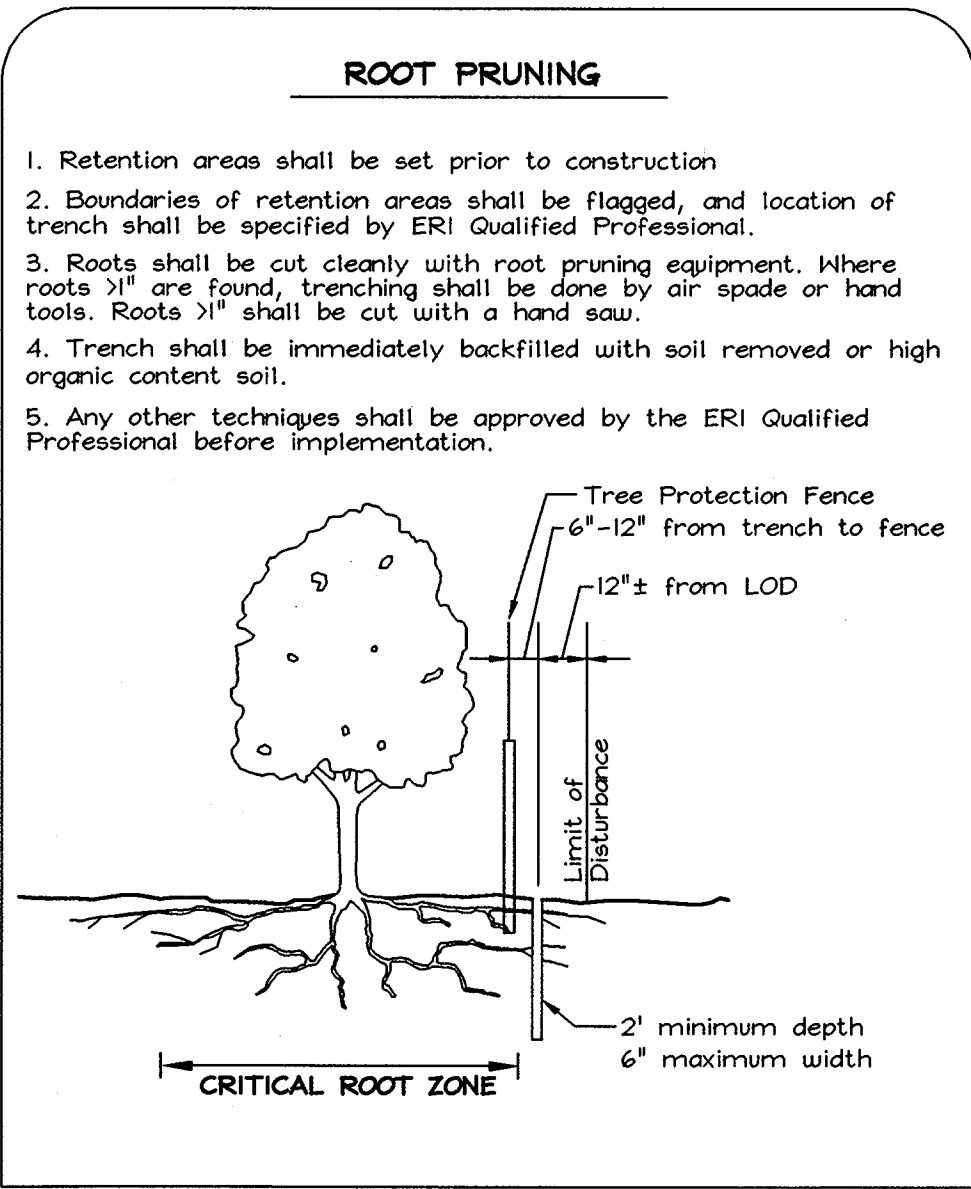
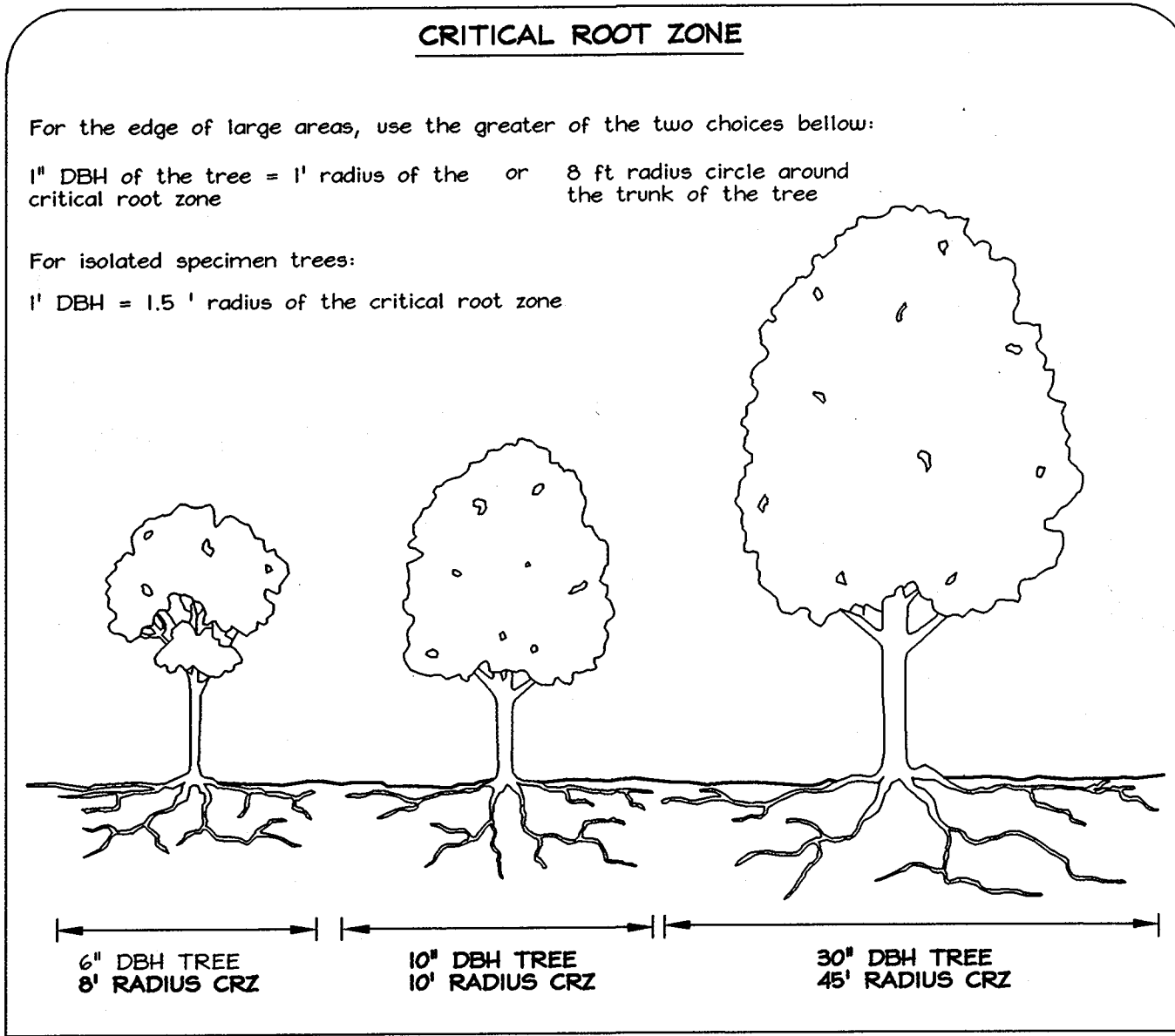
- Existing Contour: - - - - -382
- Proposed Contour: - - - - -382
- Spot Elevation: +82.52
- Direction of Flow: ———>
- Existing Trees to Remain: [Symbol]
- Silt Fence: SF
- Limit of Disturbance: LOD
- Prop. Shade Tree Per Plan F-: [Symbol]
- Prop. Duelling: [Symbol]
- 15% to 24.9% slopes: [Symbol]
- slopes of 25% or greater: [Symbol]
- Forest Type Boundary: [Symbol]
- Soil Type Boundary: [Symbol]
- Tree Protection Fence: TPF
- Specimen Tree Sign: [Symbol]

MANAGEMENT NOTES FOR FOREST RETENTION 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.
- Post-Construction Phase
 - 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 arborist.
 - Inspect for dead or dying trees or limbs which may pose safety hazard and remove.
 - No burial of discarded materials will occur on-site within the conservation areas.
 - No burning within 100 feet of wooded area.
 - All temporary forest protection structures will be removed after construction. Permanent signage shall be installed in the locations shown.
 - Following completion of construction, prior to use, the County Inspector shall inspect the entire area.

FOREST STAND ANALYSIS TABLE

KEY	TYPE OF COMMUNITY	AREA	SOIL INFORMATION			EXISTING VEGETATION (Type and approx. %)	STAND CHARACTERISTICS			FOREST AREA IN SENSITIVE ENVIRONMENTS	
			SOIL TYPE	TYPICAL FOREST COVER	WOODLAND SUITABILITY INDEX		HABITAT VALUE	SIZE AVG. DIAM	AGE		GENERAL CONDITIONS
FI	Mixed Hardwood	0.82 AC	Ba C1C3 CmB2	Wetland Hardwood Oaks and Upland Hardwood	65-74 oaks 55-64 pines 75-84 pines	Good Fair Fair	Tulip 50% Poplar 5% Black Gum 10% Cherry 15% Red Maple 20%	4-24 in. 8-14 in. 4-6 in. 4-8 in. 18-24 in.	100±	Good	0.33 Ac. in streams, stream buffers, and steep slopes
Offsite	Mixed Hardwood	0.15 AC	Ba GC3	Wetland Hardwood Oaks and Upland Hardwood	65-74 oaks 75-84 oaks	Good	same as above	same as above	100±	Good	0.33 Ac. in streams, stream buffers, and steep slopes



FOREST CONSERVATION WORKSHEET

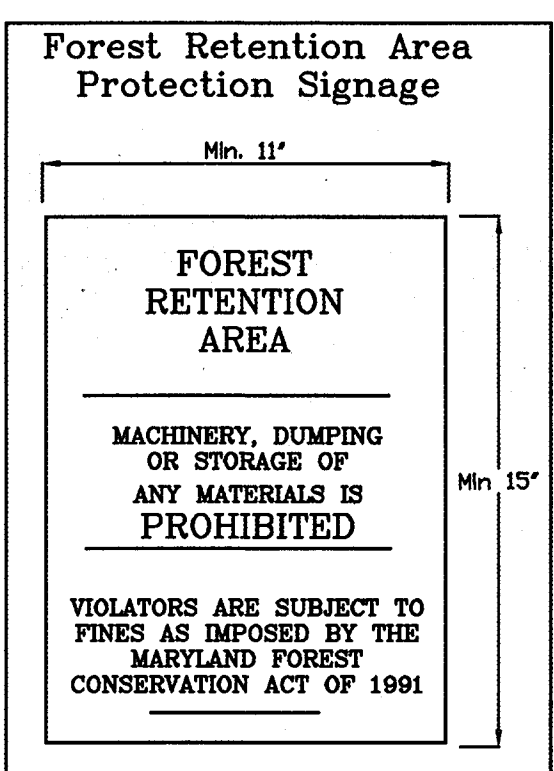
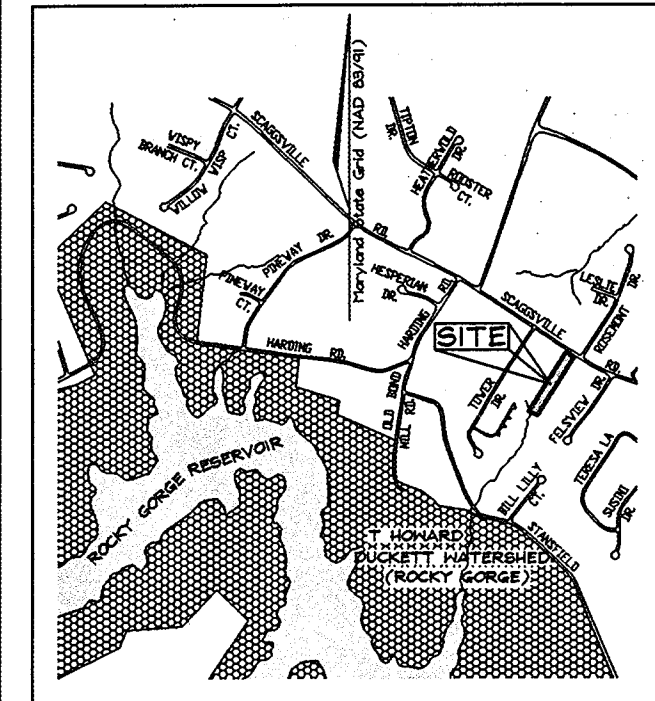
	Acres (1/100 ac.)
Net Tract Area	
A. Total Tract Area	1.68
B. Area Within 100 Year Floodplain	0
C. Other deductions	0
D. Net Tract Area	1.68
Land Use Category Residential -Suburban	
E. Afforestation Minimum (15% x D)	0.25
F. Conservation Threshold (20% x D)	0.34
Existing Forest Cover	
G. Existing Forest on Net Tract Area	0.82
H. Forest Area Above Conservation Threshold	0.48
Breakeven Point	
I. Forest Retention for no Mitigation	0.43
J. Clearing Permitted without Mitigation	0.39
Proposed Forest Clearing	
K. Forest Areas to be Cleared	0.44
L. Forest Areas to be Retained	0.38
Planting Requirements	
M. Reforestation for Clearing Above Threshold	0.11
N. Reforestation for Clearing Below the Threshold	0
P. Credit for Retention Above Conservation Threshold	0.04
Q. Total Reforestation Required	0.07
R. Total Afforestation Required	0
S. Total Reforestation and Afforestation Requirement	0.07

Forest Stand Narrative

FI This 0.82 acre forest is well developed on the interior and young near the edges. The overstory contains tulip poplar, red maple, black cherry as well as small quantities of Austrian Pine, Black Gum and red and white oak. The middle-story contains tulip poplar, American holly, black gum, black cherry, and sassafras. In the understorey, raspberry, pokeweed, yucca, Virginia creeper, multiflora rose, Japanese honeysuckle, black cherry, and tulip poplar are found. The stand is in "good health without significant invasive infestation."

LI The remainder of the site, 0.86 Ac., is lawn with scattered individual trees.

There is no floodplain on the Sowers Property



APPROVED: HOWARD COUNTY DEPARTMENT OF PLANNING AND ZONING

[Signature] 3/19/02
 CHIEF, DEVELOPMENT ENGINEERING DIVISION & DATE

[Signature] 3/15/02
 CHIEF, DIVISION OF LAND DEVELOPMENT & DATE

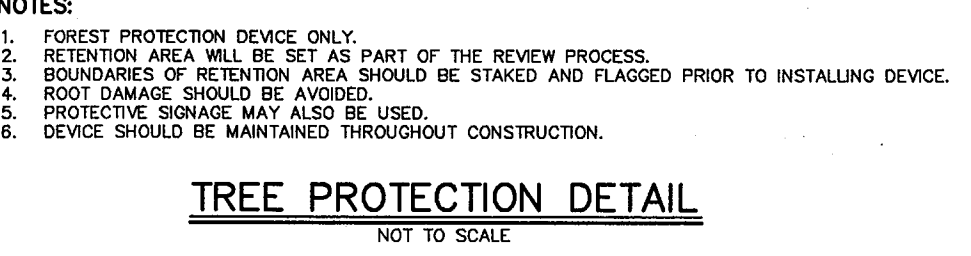
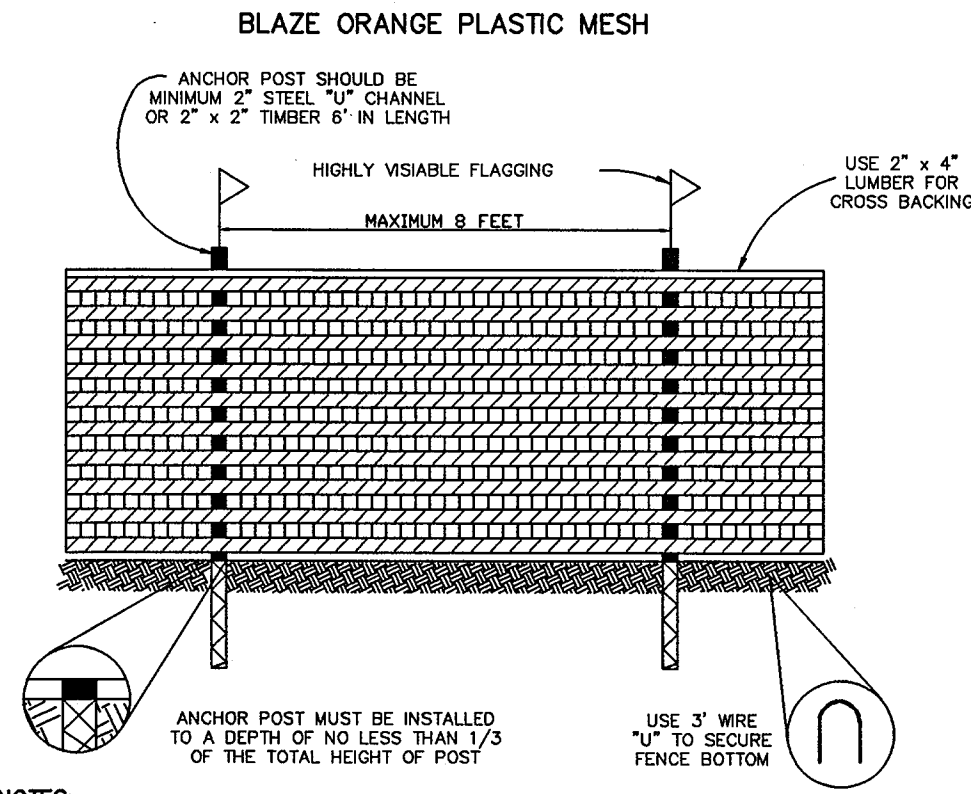
Forest Conservation Narrative

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

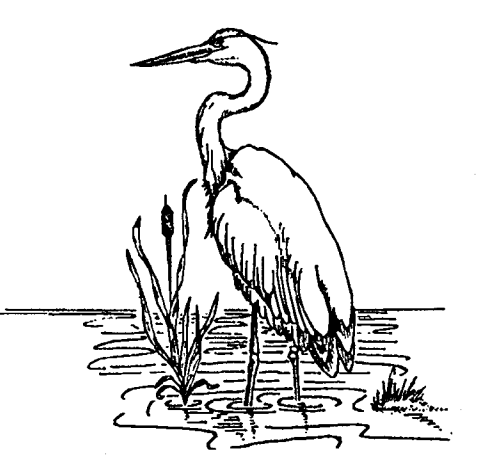
The existing site consists of 1.68 acres. The site has 0.82 acres of existing forest within the net tract area. An easement will be established to retain 0.38 ac. Due to the small size of the site no on-site forest mitigation is possible. We are requesting a fee-in-lieu payment of \$1,524.60 for the required mitigation of 0.07 ac. (3,049.2 sf).

Forest Conservation Easement Table

Easement 1 Retention	0.38 Ac.
Total	0.38 Ac.



Surety in the amount of \$3,310.56 will be posted with the Developers Agreement. (0.38 ac/16,552.8 sf @ \$0.20/sf)



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 ENVIRONMENTAL CONSULTANTS
 LANDSCAPE ARCHITECTS
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OWNER/DEVELOPER
 Scaggsville Road Investment, LLP c/o Brian D. Boy
 Laurel, Maryland 20723
 Tel: (410) 792-2565 Fax: (410) 792-2567

COMBINED FOREST STAND DELINEATION AND FOREST CONSERVATION PLAN

THE HILLSIDE AT ROCKY GORGE IV

LOTS 1, 2 AND OPEN SPACE LOT 3
 A RESUBDIVISION OF LOT 3, KVESETH ADDITION
 TO TOWER ACRES PLAT NO. 3818

TAX MAP 46, GRID 18
 6TH ELECTION DISTRICT

PARCEL 326
 HOWARD COUNTY, MARYLAND

DESIGN BY: PS/KO
 DRAWN BY: AB
 CHECKED BY: SLH
 SCALE: 1"=50'
 DATE: Mar. 11, 2003
 S.H.E. No.: 3050
 SHEET No. 1 OF 1

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