

**PERMANENT SEEDING NOTES**

Apply to graded or cleared areas not subject to immediate further disturbance where a permanent long-lived vegetative cover is needed.

Seedbed Preparation: Loosen upper three inches of soil by raking, discing or other acceptable means before seeding, if not previously loosened.

Soil Amendments: In lieu of soil test recommendations, use one of the following schedules:

- 1) Preferred - Apply 2 tons per acre dolomitic limestone (92 lbs/1000 sq ft) before seeding. Harrow or disc into upper three inches of soil. At time of seeding, apply 400 lbs per acre 30-0-0 ureaform fertilizer (9 lbs/1000 sq ft).
- 2) Acceptable - Apply 2 tons per acre dolomitic limestone (92 lbs/1000 sq ft) and 1000 lbs per acre 10-10-10 fertilizer (23 lbs/1000 sq ft) before seeding. Harrow or disc into upper three inches of soil.

Seeding: For periods March 1 thru April 30, and August 1 thru October 15, seed with 60 lbs per acre (1.4 lbs/1000 sq ft) of Kentucky 31 Tall Fescue per acre and 7 lbs per acre (.05 lbs/1000 sq ft) of weeping lovegrass. During the period of October 16 thru February 28, protect site by Option (1) 2 tons per acre of well anchored straw mulch and seed as soon as possible in the spring. Option (2) Use sod. Option (3) Seed with 60 lbs per acre Kentucky 31 Tall Fescue and mulch with 2 tons/acre well anchored straw.

Mulching: Apply 1-1/2 to 2 tons per acre (70 to 90 lbs/1000 sq ft) of unrotted small grain straw immediately after seeding. Anchor mulch immediately after application using mulch anchoring tool or 218 gal per acre (5 gal/1000 sq ft) of emulsified asphalt on flat areas. On slopes, 8 feet or higher, use 348 gal per acre (8 gal/1000 sq ft) for anchoring.

Maintenance: Inspect all seeded areas and make needed repairs, replacements and reseeding.

**SEDIMENT CONTROL NOTES**

1. A minimum of 24 hours notice must be given to the Howard County Office of Inspection and Permits prior to the start of any construction (992-2437).
2. All vegetative and structural practices are to be installed according to the provisions of this plan and are to be in accordance with the 1983 MARYLAND STANDARDS AND SPECIFICATIONS FOR SOIL EROSION AND SEDIMENT CONTROL.
3. Following initial soil disturbance or redistribution, permanent or temporary stabilization shall be completed within: a) 7 calendar days for all perimeter sediment control structures, dikes, perimeter slopes and all slopes greater than 3:1, b) 14 days for all other disturbed or graded areas on the project site.
4. All sediment traps/basins shown must be fenced and warning signs posted around their perimeter in accordance with Vol. 1, Chapter 12, of the HOWARD COUNTY DESIGN MANUAL, Storm Drainage.
5. All disturbed areas must be stabilized within the time period specified above in accordance with the 1983 MARYLAND STANDARDS AND SPECIFICATIONS FOR SOIL EROSION AND SEDIMENT CONTROL for permanent seedings (Sec. 51), sod (Sec. 54), temporary seeding (Sec. 50) and mulching (Sec. 52). Temporary stabilization with mulch alone can only be done when recommended seeding dates do not allow for proper germination and establishment of grasses.
6. All sediment control structures are to remain in place and are to be maintained in operative condition until permission for their removal has been obtained from the Howard County Sediment Control Inspector.
7. Site Analysis:
 

Total area of site	0.33 Acres
Area disturbed	0.11 Acres
Area to be roofed or paved	0.08 Acres
Area to be vegetatively stabilized	0.03 Acres
Total Cut	260 Cu. Yds.
Total Fill	50 Cu. Yds.

 Offsite waste/borrow area location Approved by SCS.
8. Any sediment control practice which is disturbed by grading activity for placement of utilities must be repaired on the same day of disturbance.
9. Additional sediment controls must be provided, if deemed necessary by the Howard County DPW sediment control Inspector.
10. On all sites with disturbed areas in excess of 2 acres, approval of the inspection agency shall be requested upon completion of installation of perimeter erosion and sediment controls, but before proceeding with any other earth disturbance or grading. Other building or grading inspection approvals may not be authorized until this initial approval by the inspection agency is made.

APPROVED FOR PUBLIC WATER AND PUBLIC BEVERAGE SYSTEMS, HOWARD COUNTY HEALTH DEPARTMENT.

*John W. Zickler* 3/6/92  
COUNTY HEALTH OFFICER DATE

APPROVED HOWARD COUNTY DEPARTMENT OF PLANNING AND ZONING.

*James R. Rutter* 3/18/92  
DIRECTOR DATE

*Anna J. Small* 3/18/92  
CHIEF DIVISION OF COMMUNITY PLANNING & LAND DEVELOPMENT DATE

APPROVED FOR PUBLIC WATER AND PUBLIC BEVERAGE, STORM DRAINAGE SYSTEMS AND PUBLIC ROADS, HOWARD COUNTY DEPARTMENT OF PUBLIC WORKS.

*James J. Lewis* 3/6/92  
DIRECTOR DATE

*William E. ...* 3/6/92  
CHIEF BUREAU OF ENGINEERING DATE

**TEMPORARY SEEDING NOTES**

Apply to graded or cleared areas likely to be redisturbed where a short-term vegetative cover is needed.

Seedbed Preparation: Loosen upper three inches of soil by raking, discing or other acceptable means before seeding, if not previously loosened.

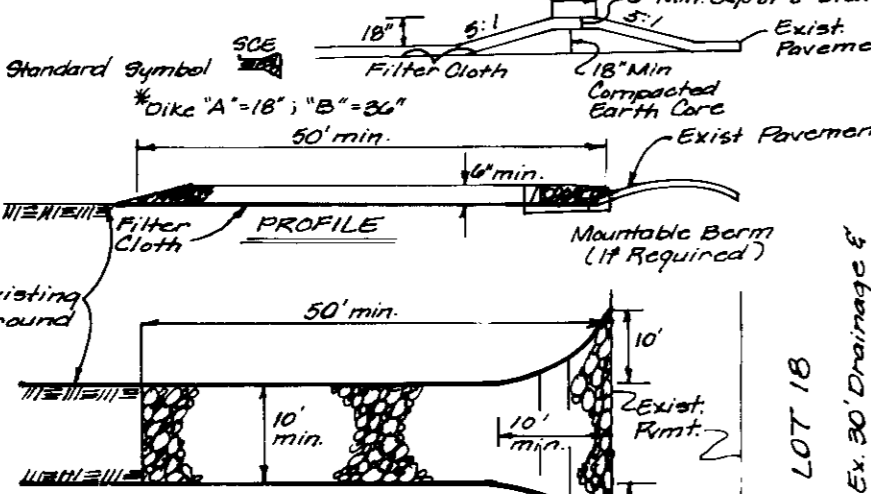
Soil Amendments: Apply 600 lbs per acre 10-10-10 fertilizer (14 lbs/1000 sq ft).

Seeding: For periods March 1 thru April 30 and from August 15 thru November 15, seed with 2-1/2 bushel per acre of annual rye (3.2 lbs/1000 sq ft). For the period May 1 thru August 14, seed with 3 lbs per acre of weeping lovegrass (0.7 lbs/1000 sq ft). For the period November 16 thru February 28, protect site by applying 2 tons per acre of well anchored straw mulch and seed as soon as possible in the spring, or use sod.

Mulching: Apply 1-1/2 to 2 tons per acre (70 to 90 lbs/1000 sq ft) of unrotted small grain straw immediately after seeding. Anchor mulch immediately after application using mulch anchoring tool or 218 gal per acre (5 gal/1000 sq ft) of emulsified asphalt on flat areas. On slopes, 8 feet or higher, use 348 gal per acre (8 gal/1000 sq ft) for anchoring.

Refer to the 1983 MARYLAND STANDARDS AND SPECIFICATIONS FOR SOIL EROSION AND SEDIMENT CONTROL for rate and methods not covered.

**Stabilized Construction Entrance**



**Construction Specifications**

1. Stone Size - Use 2" stone, or permitted or regulated concrete equivalent.
2. Length - As required, but not less than 60' (exception a single lot where a 30' minimum length would apply).
3. Thickness - Not less than 6 inches.
4. Width - 10' minimum, but not less than the full width at points where ingress or egress occurs.
5. Filter Cloth - Will be placed over the entire area prior to placing of stone. Filter will not be required on a single family residence lot.
6. Surface Water - All surface water flowing and/or over the construction entrances shall be piped across the entrance. If piping is impractical, a mounded berm with 3" slopes will be permitted.
7. Maintenance - The entrance shall be maintained in a condition which will prevent tracking or flowing of sediment onto public rights of way. This may require periodic top dressing with additional stone or conditions demand and repair and/or cleanup of any measures used to trap sediment. All sediment spilled, drained, washed or tracked onto public rights of way, must be removed immediately.
8. Warning - Signs shall be placed to removed sediment prior to entrance onto public rights of way. When warning is required, it shall be done on an area stabilized with stone and which drains into an approved sediment trapping device.
9. Periodic inspection and needed maintenance shall be provided after each rain.

**SITE ANALYSIS**

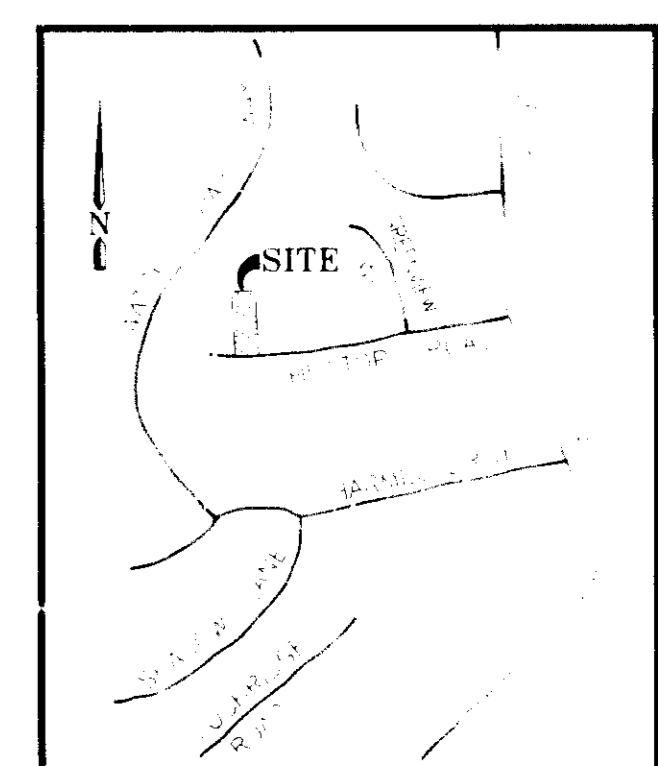
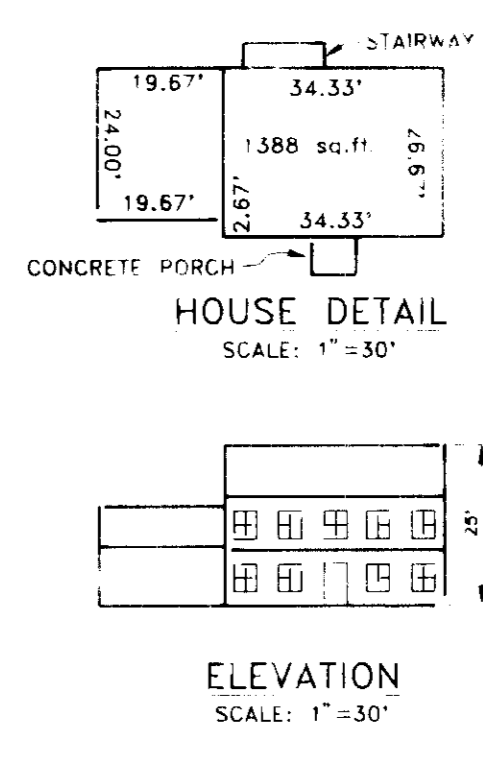
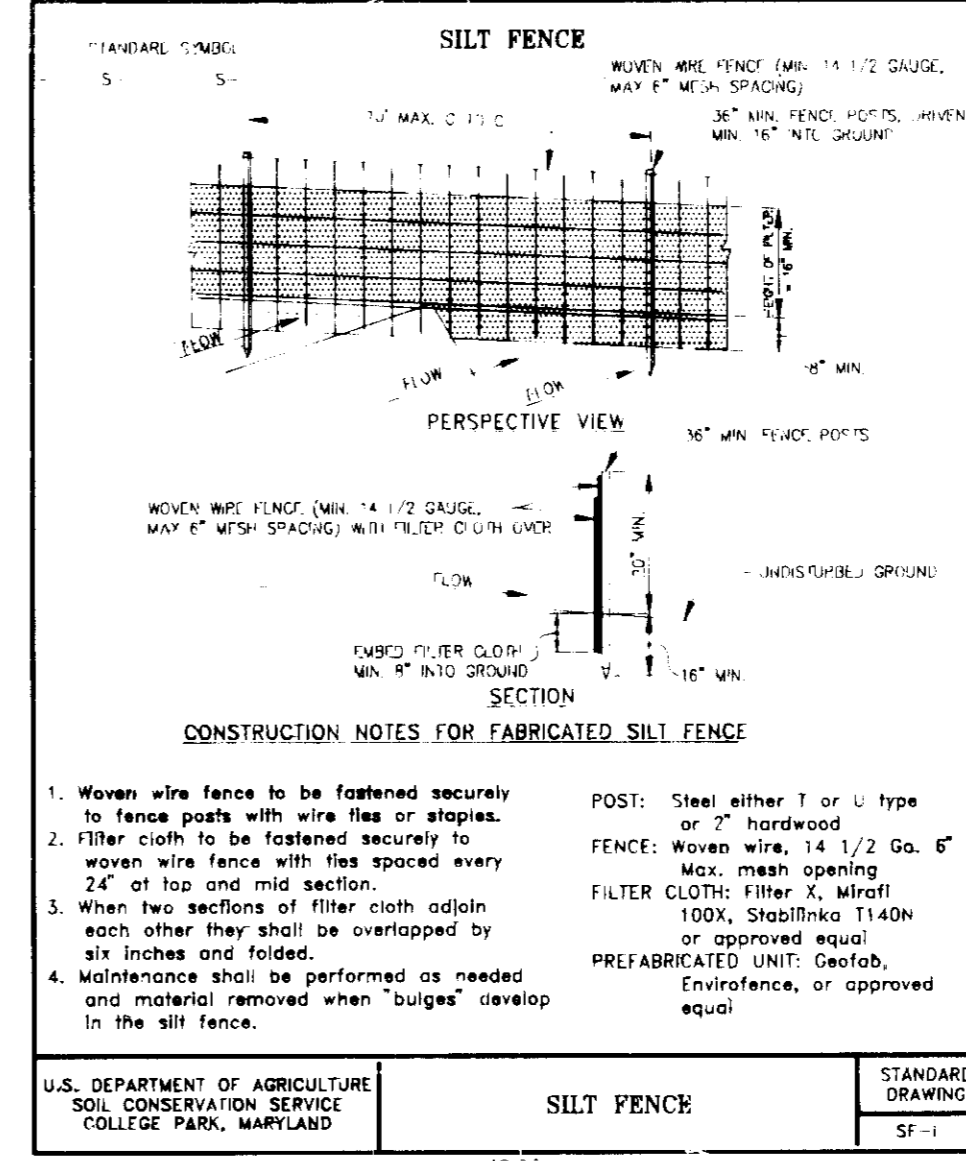
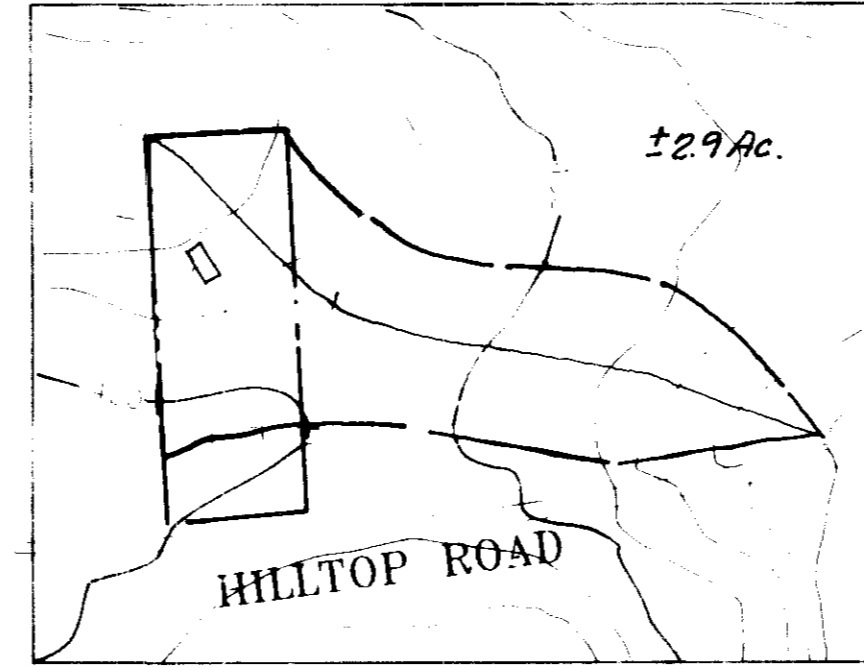
1. Area of parcel: 14,578 s.f. or 0.33 acres
2. Present zoning: R-SC
3. Proposed use of site: Single family residences
4. Total number of units allowed: 1
5. Total number of units provided: 1 @ 1388 sq. ft.
6. Number of parking spaces provided: 2 per dwelling = 2
7. Number of parking spaces required: 2
8. Open space to remain on site: none
9. Building coverage of site: 1,397 s.f. or 10% of gross site

**LOT SIZE TABULATION**

GROSS AREA (14,578 SF)	PIPESTEM (2,500 SF)	MINIMUM LOT AREA (12,078)
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**SEQUENCE OF CONSTRUCTION**

1. Obtain building permit.
2. Install construction entrance.
3. Install silt fence as shown.
4. Construct building.
5. Construct driveway.
6. Stabilize all disturbed areas.
7. Remove sediment control devices with permission of the Howard County Sediment Control Inspectors.



**GENERAL NOTES**

1. Tax Map: 35; Parcel: 40
2. Deed Reference: 1711, 460
3. Existing Zoning: R-SC
4. Topography shown is based on field run prepared by Werner Associates, Inc., dated Sept. 88.
5. All construction and materials shall be in accordance with the Howard County Road Construction Code and Specifications.
6. Utilities to be utilized:
  - Water - public, contract (44-1480-3)
  - Sewer - public, contract (34-1950-2)
7. All onsite driveways and parking areas are to be private.
8. Any damage to a county-owned right-of-way shall be repaired at the developer's expense.
9. Contractor to verify location of all underground utilities prior to beginning work.
10. Contractor to notify 'Miss Utility' at 927-7777 at least five (5) days prior to beginning construction.
11. The contractor or developer shall contact the Construction/Inspection Division of Howard County at 792-7772 at least twenty four (24) hours prior to beginning construction.
12. Survey datum is based on Maryland State Plane Coordinate System.
13. Disturbed area under 5,000 Sq. Ft. no storm water management required.
14. A free maintenance easement, ten feet in width, running along the edge of the public road right-of-way as shown on this plan of subdivision is reserved upon all lots fronting on the said public road, right-of-way. This easement allows Howard County the right to access the property, when necessary, for the specific purpose of installation, repair and maintenance of county-owned trees located within the boundaries of private lots. No building or structure of any kind shall be located on or over the said easement area.
15. No 100 year floodplain on site.
16. No existing or created steep slopes.
17. Ref # F-89-88.
18. The contractor or developer shall contact the Construction Inspection Division 24 hrs in advance of commencement of work at 792-7272.

OWNER  
SCOTT & JUSTINE DAVIS  
10950 Hilltop Road  
Columbia, Maryland 21044  
Phone: (301) 740-7979

SUBDIVISION NAME: CEDAR ACRES		SECTION AREA: -	PARCEL No.: 1785
PLAT No. OR L/F: 9398	BLOCK No.: 11	ZONE: P-SC	TAX ZONE MAP: MAP: 35
WATER CODE: E-27		SEWER CODE: 6591000	ELECT. DIST.: 5th

TITLE: CEDAR ACRES	PROJECT: SITE DEVELOPMENT PLAN
LOCATION: 5th ELECTION DISTRICT	HOWARD CO., MD.
SCALE: 1"=30'	DESIGNED BY: MJD
FIELD BOOK: -	DRAWN BY: CABD
PAGE NO.: -	CHECKED BY: G.G.
JOB NO.: 91062	DATE: Nov. 1991
DRAWING NO.: 1 of 1	

**Boender Associates**  
ENGINEERS, PLANNERS & SURVEYORS  
3230 BETHANY LANE  
ELLICOTT CITY, MD. 21043  
(301) 465-7777 FAX: (301) 465-7966

I certify that all development and construction will be done according to this plan of development and plan for erosion and sediment control and that all responsible personnel involved in the construction project will have a certification of attendance at a MD Dept. of Environment approved training program for the control of sediment and erosion before beginning the project. I also authorize periodic on-site inspections by the Howard Soil Conservation District on their authorized agents, as are deemed necessary.

*Dante Bogardi* 11-11-91  
Developer Date

I certify that this plan for erosion and sediment control represents a practical and workable plan based on personal knowledge of the site conditions and that it was prepared in accordance with the Requirements of the Howard Soil Conservation District.

*Lynn Goldberg* 11/7/91  
Engineer Date

REVIEWED FOR HOWARD S.C.D. AND MEETS TECHNICAL REQUIREMENTS.

*James M. Hahn* 2/28/92  
US SOIL CONSERVATION SERVICE DATE

THIS DEVELOPMENT IS APPROVED SOIL EROSION AND SEDIMENT CONTROL BY THE HOWARD SOIL CONSERVATION DISTRICT.

*John K. Robertson* 2/27/92  
SOIL CONSERVATION DISTRICT DATE



SDP-92-55