HOWARD SOIL CONSERVATION DISTRICT

STANDARD SEDIMENT CONTROL NOTES

1) A minimum of 48 hours notice must be given to the Howard County Department of Inspections, Licenses and Permits, Sediment Control Division prior to the start of any construction, (992-3450).

2) All vegetative and structural practices are to be installed according to the provisions of this plan and are to be in conformance with the most current "MARYLAND STANDARDS AND SPECIFICATIONS FOR SOIL EROSION AND SEDIMENT CONTROL," and revisions thereto.

3) Following initial soil disturbance or redisturbance, 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 as to 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 seeding (Sec. 51), and (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 | 0.37 | Acres |
| Area Disturbed | 0.24 | Acres |
| Area to be roofed or paved | 0.06 | Acres |
| Area to be vegetatively stabilized | 0.18 | Acres |
| Total Cut | 180 | Cu. Yds. |
| Total Fill | 180 | Cu. Yds. |
| Offsite waste/borrow area location | N/A | |

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 control must be provided, if deemed necessary by the Howard County 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.

11) Trenches for the construction of utilities is limited to three pipe lengths or that which can be back filled and stabilized within one working day, whichever is shorter.

HOWARD SOIL CONSERVATION DISTRICT

PERMANENT SEEDING NOTES

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

Control Preparation: Loosen upper three inches of soil by raking, disking or other acceptable manner 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 acres dolomitic limestone (92 lbs/1000 sq. ft.) and 600 lbs per acre 10-10-10 fertilizer (14 lbs/1000 sq. ft.) before seeding. Harrow or disk 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 disk into upper three inches of soil.

Seeding: -- For the 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. For the period May 1 thru July 31, seed with 60 lbs Kentucky 31 Tall Fescue per acre and 2 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/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 gals per acre (5 gal/1000 sq. ft.) of emulsified asphalt on flat areas. On slopes 8 feet or higher, use 348 gallons per acre (8 gal/1000 sq. ft.) for anchoring.

Maintenance -- Inspect all seeding areas and make needed repairs, replacements and reseedings.

TEMPORARY SEEDING NOTES

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

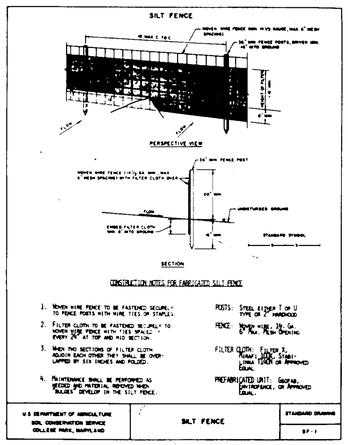
Control preparation: -- Loosen upper three inches of soil by raking, disking or other acceptable manner before seeding, if not previously loosened.

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 October 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 2 lbs per acre of weeping lovegrass (.07 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 weed free 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 ft. 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 additional rates and methods not covered.



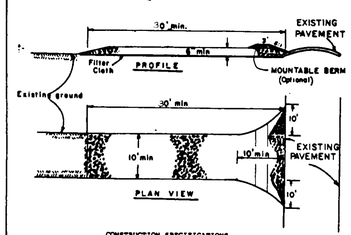

CONSTRUCTION NOTES FOR FABRICATED SILT FENCE

1. WOVEN WIRE FENCE TO BE FASTENED SECURELY TO FENCE POSTS WITH WIRE TIES OR STAPLES. — POSTS: STEEL EITHER T OR U TYPE OR WOODEN
2. FILTER CLOTH TO BE FASTENED SECURELY TO WOVEN WIRE FENCE WITH TIES SPACED EVERY 24" AT TOP AND MID SECTION. — FENCE: WOVEN WIRE, 14½ GA. 6" MAX. MESH SPACING
3. WHEN TWO SECTIONS OF FILTER CLOTH ADJOIN EACH OTHER THEY SHALL BE OVERLAPPED BY SIX INCHES AND FOLDED. — FILTER CLOTH: FILTER X, MIRAFI 100X, STABILINKA T140N OR APPROVED EQUAL
4. MAINTENANCE SHALL BE PERFORMED AS NEEDED AND MATERIAL REMOVED WHEN BULGES DEVELOP IN THE SILT FENCE. — PREFABRICATED UNIT: GEOFAB, ENVIROFENCE, OR APPROVED EQUAL

| | | |
|---|---|---|
| U.S. DEPARTMENT OF AGRICULTURE SOIL CONSERVATION SERVICE COLLEGE PARK, MARYLAND | SILT FENCE | STANDARD DRAWING SF-1 |

## STABILIZED CONSTRUCTION ENTRANCE
not to scale

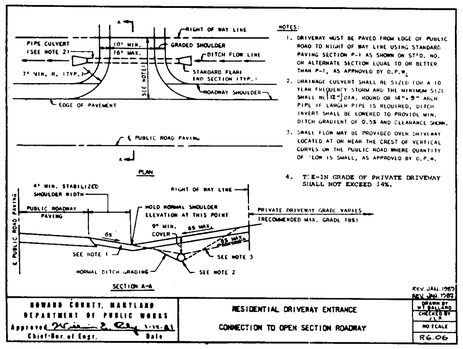
STANDARD SYMBOL SCE




CONSTRUCTION SPECIFICATIONS

1. **Stone Size - Use 2" stone, or reclaimed or recycled concrete equivalent.**
2. **Length - As required, but not less than 50 feet (except on a single residence lot where a 30 foot minimum length would apply).**
3. **Thickness - Not less than six (6) inches.**
4. **Width - Ten (10) foot 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 or diverted toward construction entrances shall be piped across the entrance. If piping is impractical, a mountable berm with 5:1 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 as conditions demand and repair and/or cleanout of any measures used to trap sediment. All sediment spilled, dropped, washed or tracked onto public rights-of-way must be removed immediately.**
8. **Washing - Wheels shall be cleaned to remove sediment prior to entrance onto public rights-of-way. When washing 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.**

| | | |
|---|---|---|
| U. S. DEPARTMENT OF AGRICULTURE SOIL CONSERVATION SERVICE College Park, Md. | STABILIZED CONSTRUCTION ENTRANCE | Standard Drawing SCE-1 |

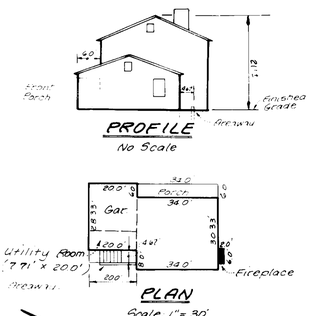


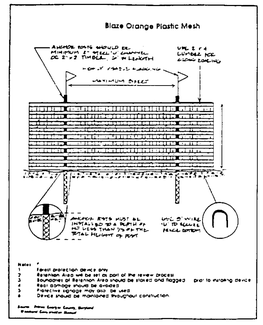

NOTES:
1. DRIVEWAY MUST BE PAVED FROM EDGE OF PUBLIC ROAD TO RIGHT OF WAY LINE USING STANDARD PAVING SECTION P-1 AS SHOWN ON ST'D. NO. OR ALTERNATE SECTION EQUAL TO OR BETTER THAN P-1, AS APPROVED BY D.P.W.
2. DRAINAGE CULVERT SHALL BE SIZED FOR A 10 YEAR FREQUENCY STORM AND THE MINIMUM SIZE SHALL BE 12" DIA. (CONC. OR 14"x 9" R.C.P. ARCH PIPE) IF LARGER PIPE IS REQUIRED, DITCH INVERT SHALL BE LOWERED TO PROVIDE MIN. DITCH GRADIENT OF 0.5% AND CLEARANCE SHOWN.
3. SMALL FLOW MAY BE PROVIDED OVER DRIVEWAY LOCATED AT OR NEAR THE CREST OF VERTICAL CURVES ON THE PUBLIC ROAD WHERE QUANTITY OF FLOW IS SMALL, AS APPROVED BY D.P.W.
4. T.S.E=3N GRADE OF PRIVATE DRIVEWAY SHALL NOT EXCEED 14%.

| | | |
|---|---|---|
| HOWARD COUNTY, MARYLAND DEPARTMENT OF PUBLIC WORKS Approved [signature] Date 3-23-83 Chief-Bur. of Engr. | RESIDENTIAL DRIVEWAY ENTRANCE CONNECTION TO OPEN SECTION ROADWAY | REV JAN 1983 SEE JAN 1983 Prepared by CHECKED BY NO SCALE R6.06 |

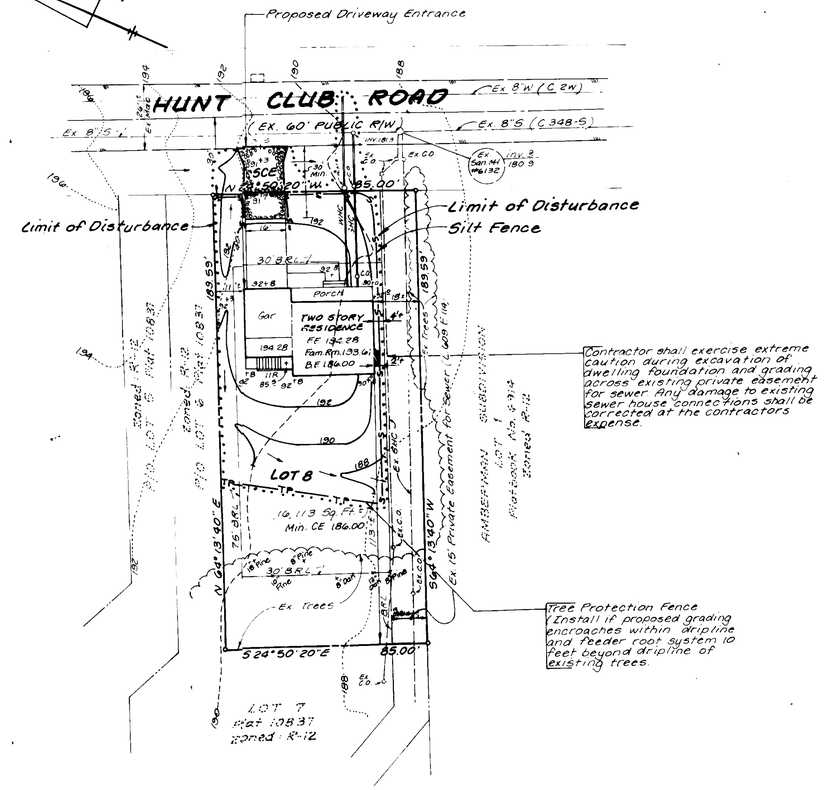
## CONSTRUCTION SEQUENCE:

| | | |
|---|---|---|
| 1. | Obtain Grading Permit | 1 Day |
| 2. | Construct stabilized construction entrance | 2 Days |
| 3. | Install silt fence at limit of disturbance shown hereon. Install tree protection fence 3 rear limit of disturbance | 5 Days |
| 4. | Clear and grub site to subgrade | 5 Days |
| 5. | Begin excavation for house foundation and begin house construction | 60 Days |
| 6. | The contractor shall inspect and provide necessary maintenance on the sediment and erosion control structures shown hereon after each rainfall and on a daily basis. | Daily |
| 7. | Remove sediment from roadways and dress stabilized construction entrance as required. | Maintenance |
| 8. | Fine grade site and stabilize with permanent seeding mixture and straw mulch. Install individual driveway and house walk | 10 Days |
| 9. | Remove silt fence and stabilize disturbed area with permanent seeding mixture and straw mulch. | 5 Days |
| | Total: | 88 Days |




TREE PROTECTION FENCE DETAIL
Not to Scale

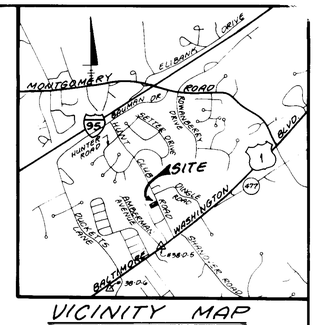



Contractor shall exercise extreme caution during excavation of dwelling foundation and grading across existing private easement for sewer. Any damage to existing sewer house connections shall be corrected at the contractors expense.

Tree Protection Fence (Install if proposed grading encroaches within dripline and feeder root system 10 feet beyond dripline of existing trees.

## LEGEND

- 180 Existing Ground
- 180 Proposed Grade
- Existing Water
- Existing Sewer
- SCE Stabilized Construction Entrance
- Limit of Disturbance
- S S Silt Fence
- Drainage Flow
- TP TP Tree Protection Fence




VICINITY MAP
Scale 1" = 2,000'

## NOTES:

1. Site Analysis
   A. Total Area of Lot: 0.3699 Ac ± or 16,113 Sq Ft ±
   B. Present Zoning of Property: R-12 (Residential-Single)
   C. Proposed Use of structure: (Residential / Single Family Detached
   D. Building Coverage of Site: 1,580 Sq Ft or 0.04 Ac ± or 10% ±
2. Required building restriction lines are in accordance with the recorded Plat No. 10837 (F.93-59).
3. All work shown on these plans shall be done in accordance with Howard County Standards, Specifications and Details for Construction, Volume IV.
4. The Contractor shall notify the Department of Public Works, Bureau of Construction Inspection at (410) 313-1880 at least Five (5) days prior to the start of work.
5. The Contractor shall notify "Miss Utility" at 1-800-257-7777 at least forty-eight (48) hours prior to any excavation work.
6. Any damage to existing public right-of-ways, existing paving, existing curb and gutter, existing utilities, etc. shall be corrected at the Contractor's expense.
7. The existing utilities shown hereon, are located from construction drawings of record and W&S Contract Nos. EW and 348-S. The approximate location of existing utilities are shown for the contractor's information and convenience. The Contractor shall locate existing utilities to his own satisfaction and well in advance of any construction activities. Additionally, the Contractor shall take all necessary precautions to protect all existing utilities and maintain uninterrupted service.
8. Topography shown is taken from a field-run survey dated October 5, 1993, by Land Design Engineering, Inc. Two foot contour intervals are shown.
9. Horizontal and vertical datums are related to the Maryland State Plane Coordinate System as projected from Howard County Control Station Nos. 38-D-6 and 38-D-6. (NAD 83)
10. Stormwater management study for this site was reviewed under F-93-59. The Public Works Director approved the fee-in-lieu for SWM on 3-19-93.

OWNERS
ELLA and FREDERICK AMBERMAN
6054 Hunt Club Road
Elkridge, Maryland 21227
Phone: (410) 796-4325

| LOT No. | STREET ADDRESS |
|---|---|
| 8 | #6112 Hunt Club Road |

ADDRESS CHART

ENGINEER'S CERTIFICATE

"I hereby certify that this plan for Erosion and Sediment Control represents a practical and workable plan based on my personal knowledge of the site conditions and that it was prepared in accordance with the requirements of the Howard Soil Conservation District."

Bruce D. Bamon 11/23/93
Signature of Engineer Date

DEVELOPER'S CERTIFICATE

"I/We certify that all development and/or construction will be done according to these plans, and that any responsible personnel involved in the construction project will have a Certificate of Attendance at a Department of the Environment approved training program for the control of sediment and erosion before beginning the project. I also authorize periodic on-site inspection by the Howard Soil Conservation District or their authorized agents, as are deemed necessary."

[signature] 12/9/93
Signature of Developer Date

Reviewed for Howard County Soil Conservation District and meets technical requirements.

[signature] 12/6/93
U.S. Soil Conservation Service Date

This development is approved for Erosion and Sediment Control by the Howard Soil Conservation District

APPROVED:

[signature]
Howard Soil Conservation District Date

APPROVED: Department of Public Works for public water and public sewer, storm drainage systems and roads

[signature] 12/14/93
Director, Public Works Date

[signature] 12/18/93
Chief, Bureau of Engineering Date

APPROVED: Howard County Health Department for public water and public sewerage systems.

[signature] 12/17/93
Health Officer Date

APPROVED: Department of Planning and Zoning

[signature] 12/20/93
Planning Director Date

[signature]
Chief, Division of Current Development and Research Date

REVISIONS

| No. | Date | Description |
|---|---|---|
| | | |

| | | | | | |
|---|---|---|---|---|---|
| Property of: AMBERMAN SUBDIVISION | | Section / Area II / — | | Lot No. 8 | |
| Plat Ref. 10837 | Block No. 7 | Zone R-12 | Tax / Zone 38 | El. Dist. 1st | Census Tract 6011.02 |
| Water Code: | | | Sewer Code: | | |

LAND DESIGN ENGINEERING, INC.
8835 Columbia 100 Parkway, Unit N, Columbia, MD 21045
(410) 715-1070 (Balto.) (301) 596-3424 (Wash.) (410) 715-0681 (Fax)

| | |
|---|---|
| Designed BDB | SITE DEVELOPMENT and SEDIMENT CONTROL PLAN |
| Drawn KBW | AMBERMAN SUBDIVISION |
| Checked BDB | SECTION II LOT 8 |
| Date 10/8/93 | Tax Map 38 Part of Parcel 301 1st Election District Howard County, Maryland |
| | Previous Submittals: F-93-59 |
| | DEVELOPER BASSO & BASSO 206 Paradise Avenue Baltimore, MD 21228 (410) 744-1637 |
| Scale 1" = 30' | |
| Drawing 1 of 1 | |
| Job No 93-809 | |
| File No | |

SDP 94-40