SPECIFICATIONS FOR TOPSOIL

Definition: Placement of topsoil over a prepared subsoil prior to establishment of permanent vegetation.

Purpose: To provide a suitable soil medium for vegetative growth. Soils of concern have low moisture content, low nutrient levels, low pH, materials toxic to plants, and/or unacceptable soil gradation.

Conditions Where Practice Applies

I. This practice is limited to areas having 2:1 or flatter slopes where:
   a. The texture of the exposed subsoil/parent material is not adequate to produce vegetative growth.
   b. The soil material is so shallow that the rooting zone is not deep enough to support plants or furnish continuing supplies of moisture and plant nutrients.
   c. The original soil to be vegetated contains material toxic to plant growth.
   d. The soil is so acidic that treatment with limestone is not feasible.

II. For the purpose of these Standards and Specifications, areas having slopes steeper than 2:1 require special consideration and design for adequate stabilization. Areas having slopes steeper than 2:1 shall have the appropriate stabilization shown on the plans.

Construction and Material Specifications

I. Topsoil salvaged from the existing site may be used provided that it meets the standards os set forth in these specificotions. Typically, the depth of topsoil to be salvaged for o given soil type can be found in the representative soil profile section in the Soil Survey published by USDA–SCS in cooperation with Moryland Agricultural Experimental Station.

II. Topsoil Specifications – Soil to be used as topsoil must meet the following:
   i. Topsoil shall be a loam, sandy loam, clay loam, silt loam, sandy clay loam, loamy sand. Other soils may be used if recommended by an agronomist or soil scientist and approved by the appropriate approval authority. Regardless, topsoil shall not be a mixture of contrasting textured subsoils and shall contain less than 5% by volume of cinders, stones, slag, coarse fragments, gravel, sticks, roots, trash, or other materials larger than 1 1/2" in diameter.
   ii. Topsoil must be free of plants or plant parts such as bermuda grass, quackgross, Johnsongrass, nutsedge, poison ivy, thistle, or others as specified.
   iii. Where the subsoil is either highly acidic or composed of heavy clays, ground limestone shall be spread at the rate of 4–8 tons/ocre (200–400 pounds per 1,000 square feet) prior to the placement of topsoil. Lime shall be distributed uniformly over designated areas and worked into the soil in conjunction with tillage operations as described in the following procedures.

III. For sites having disturbed areas under 5 acres:
   i. Place topsoil (if required) and apply soil amendments os specified in 20.0 Vegetative Stabilization – Section I – Vegetative Stabilization Methods and Materials.

IV. For sites having disturbed areas over 5 acres:
   i. On soil meeting Topsoil specifications, obtain test results dictating fertilizer and lime amendments required to bring the soil into compliance with the following:
      o. pH for topsoil shall be between 6.0 and 7.5. If the tested soil demonstrotes a pH of less than 6.0, sufficient lime shall be prescribed to raise the pH to 6.5 or higher.
      b. Orgonic content of topsoil shall be not less than 1.5 percent by weight.
      c. Topsoil hoving soluble salt content greater than 500 ports per million shall not be used.
      d. No sod or seed shall be placed on soil which has been treated with soil sterilants or chemicals used for weed control until sufficient time has elapsed (14 days min.) to permit dissipation of phyto–toxic materials.

   Note: Topsoil substitutes or amendments, as recommended by a qualified agronomist or soil scientist and approved by appropriate authority, may be used in lieu of natural topsoil.
   ii. Place topsoil (if required) and apply soil amendments as specified in 20.0 Vegetative Stabilization – Section I – Vegetative Stabilization Methods and Materials.

V. Topsoil Application
   i. When topsoiling, maintain needed erosion and sediment control practices such as diversions, Grade Stabilization Structures, Earth Dikes, Slope Silt Fence and Sediment Traps and Basins.
   ii. Grades on the areas to be topsoiled, which have been previously established, shall be maintained, albeit 4"–8" higher in elevation.
   iii. Topsoil shall be uniformly distributed in a 4"–8" layer and lightly compacted to a minimum thickness of 4". Spreading shall be performed in such a manner that sodding or seeding can proceed with a minimum of additional soil preparation ond tillage. Any irregularities in the surface resulting from topsoiling or other operations shall be corrected in order to prevent the formation of depressions or water pockets.
   iv. Topsoil shall not be placed while the topsoil or subsoil is in a frozen or muddy condition, when the subsoil is excessively wet or in a condition that may otherwise be detrimental to proper grading and seedbed preporation.

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, disking 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.) 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 Toll Fescue. For the period May 1 thru July 31, seed with 60 lbs Kentucky 31 Toll 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 will anchored straw mulch and seed as soon as possible in the spring. Option (2) – Use sad. 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 immediotely after seeding. Anchor mulch immediately after application using mulch anchoring tool or 218 gallons 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 cleored oreas likely to be redisturbed where a short–term vegetotive cover is needed.

Seedbed preparation:––Loosen upper three inches of soil by raking, disking 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 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 3 lbs per acre of weeping lovegrass (.07 lbs/1000 sq. ft.). For the period November 16 thru February 28, protect site by opplying 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 immediotely 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.

STANDARD SEDIMENT CONTROL NOTES

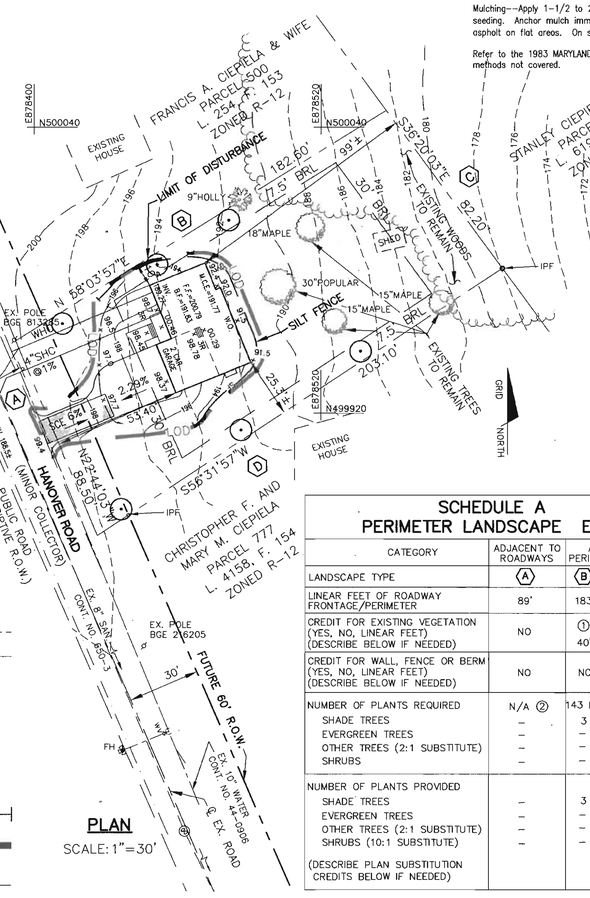
1. A minimum of 48 hours notice must be given to the Howard County Department of Inspections, Licenses and Permits, Sediment Control Division prior to the start of any construction, (313–1850).
2. All vegetative and structural practices are to be installed according to the provisions of this plan and 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 trops/bosins shown must be fenced ond worning signs posted around their perimeter in accordance with Vol. 1, Chapter 12, of the HOWARD COUNTY DESIGN MANUAL, Storm Drainage.
5. All disturbed areos must be stabilized within the time period specified obove in accordance with the 1994 MARYLAND STANDARDS AND SPECIFICATIONS FOR SOIL EROSION AND SEDIMENT CONTROL for permanent seeding (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 remoin 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

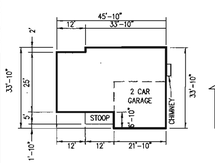
Total Area of Site	0.37	Acres
Area Disturbed	0.113	Acres (4,910 S.F.)
Area to be roofed or paved	0.060	Acres (2,610 S.F.)
Area to be vegetotively stabilized	0.053	Acres (2,300 S.F.)
Total Cut	80	Cu. Yds.
Total Fill	215	Cu. Yds.
Offsite Waste/Borrow Area Location To Be Determined By Contractor at o site with an active grading permit.		

8. Any sediment control proctice which is disturbed by groding activity for placement of utilities must be repaired on the some 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 backfilled and stabilized within one working day, whichever is shorter.

SEQUENCE OF CONSTRUCTION

1. OBTAIN GRADING PERMIT.
2. CONTACT HOWARD COUNTY CONSTRUCTION INSPECTION DIVISION AT LEAST 5 WORKING DAYS PRIOR TO START OF CONSTRUCTION.
3. INSTALL STABILIZED CONSTRUCTION ENTRANCE (SCE) AND SILT FENCE AS SHOWN ON PLAN.
4. WITH APPROVAL OF CONSTRUCTION INSPECTOR, CLEAR AND GRUB SITE WITHIN LIMIT OF DISTURBANCE SHOWN ON PLAN.
5. EXCAVATE FOR HOUSE FOUNDATION.
6. POUR FOUNDATION, ROUGH–IN UTILITIES AND CONSTRUCT BASEMENT WALLS.
7. BACKFILL FOUNDATION WALLS, ROUGH GRADE SITE, PROVIDE TEMPORARY SEEDING AS REQUIRED TO STABILIZE AREA.
8. CONSTRUCT HOUSE. REMOVE STABILIZED CONSTRUCTION ENTRANCE AND CONSTRUCT DRIVEWAY.
9. FINISH GRADING SITE AND STABILIZE DISTURBED AREAS WITH PERMANENT SEEDING.
10. WITH APPROVAL OF INSPECTOR, REMOVE SILT FENCE AND STABILIZE ANY REMAINING DISTURBED AREAS.





HOUSE TEMPLATE

SCALE: 1"=30'

LEGEND

EXISTING CONTOUR ------- 82 -------
PROPOSED CONTOUR ——— 82 ———
SPOT ELEVATION x 82.6
DIRECTION OF FLOW
EXISTING WOODSLINE
STABILIZED CONTRUCTION ENTRANCE — SCE —
SILT FENCE — SF —
LIMIT OF DISTURBANCE — LOD —
EXISTING WATER LINE
EXISTING GAS LINE
EXISTING SANITARY SEWER

PLAN

SCALE: 1"=30'

SCHEDULE A
PERIMETER LANDSCAPE EDGE

CATEGORY	ADJACENT TO ROADWAYS	ADJACENT TO PERIMETER PROPERTY		
	(A)	(B)A	(C)A	(D)A
LANDSCAPE TYPE				
LINEAR FEET OF ROADWAY FRONTAGE/PERIMETER	89'	183'	82'	203'
CREDIT FOR EXISTING VEGETATION (YES, NO, LINEAR FEET) (DESCRIBE BELOW IF NEEDED)	NO	① 40'	① 82'	① 20'
CREDIT FOR WALL, FENCE OR BERM (YES, NO, LINEAR FEET) (DESCRIBE BELOW IF NEEDED)	NO	NO	NO	NO
NUMBER OF PLANTS REQUIRED	N/A ②	143 LF	N/A	183 LF
SHADE TREES	–	3	–	3
EVERGREEN TREES	–	–	–	–
OTHER TREES (2:1 SUBSTITUTE)	–	–	–	–
SHRUBS	–	–	–	–
NUMBER OF PLANTS PROVIDED				
SHADE TREES	–	3	–	3
EVERGREEN TREES	–	–	–	–
OTHER TREES (2:1 SUBSTITUTE)	–	–	–	–
SHRUBS (10:1 SUBSTITUTE)	–	–	–	–
(DESCRIBE PLAN SUBSTITUTION CREDITS BELOW IF NEEDED)				

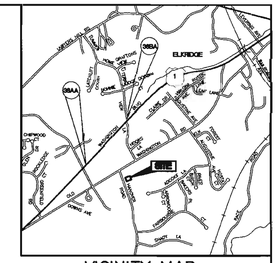
① EXISTING WOODS WITH WIDTH 20' OR GREATER.
② NONE REQUIRED AS PER TABLE 2 IN LANDSCAPE MANUAL.

GENERAL NOTES

1. THE PROPERTY IS WITHIN THE METROPOLITAN DISTRICT.
2. PUBLIC WATER AND SEWER WILL BE USED WITHIN THIS SITE. HOWARD COUNTY BUREAU OF UTILITIES SHALL CONNECT TO EXISTING WATER AND SEWER MAINS IN HANOVER ROAD AND PROVIDE WHC AND SHC UP TO EXISTING PROPERTY LINE, IT SHALL BE OWNERS (CONTRACTORS) RESPONSIBILITY TO INSTALL WHC & SHC FROM PROPERTY LINE TO RESIDENCE.
3. THE CONTRACTOR SHALL NOTIFY THE FOLLOWING UTILITY COMPANIES OR AGENCIES AT LEAST FIVE (5) WORKING DAYS BEFORE STARTING WORK SHOWN ON THESE PLANS:

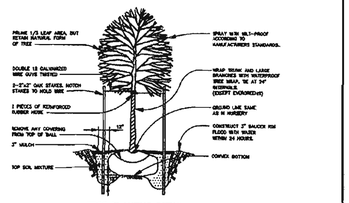
VERIZON	1.800.743.0033/410.224.9210
AT&T	1.800.252.1133
BGE (CONTRACTOR SERVICE)	410.850.4620
BGE (UNDERGROUND DAMAGE CONTROL)	410.787.9068
MISS UTILITY	1.800.257.7777
HOWARD COUNTY, DEPT. OF PUBLIC WORKS, BUREAU OF UTILITIES	410.313.4900

4. THE CONTRACTOR SHALL NOTIFY MISS UTILITY AT 1–800–257–7777 AT LEAST 48 HOURS PRIOR TO ANY EXCAVATION WORK.
5. THE CONTRACTOR SHALL NOTIFY THE DEPARTMENT OF PUBLIC WORKS/BUREAU OF ENGINEERING CONSTRUCTION INSPECTION DIVISION AT (410)313–1880 AT LEAST FIVE (5) WORKING DAYS PRIOR TO START OF WORK.
6. TOPOGRAPHY BASED ON A FIELD RUN TOPOGRAPHIC SURVEY BY ROBERT JORDEN (PLS) ON 11/5/03.
7. CONTRACTOR TO CONFIRM ALL DIMENSION, UTILITIES AND TOPOGRAPHY IN THE FIELD. IF ANY CONFLICTS ARISE, CONTACT ENGINEER BEFORE BEGINNING ANY WORK.
8. HOWARD COUNTY SOIL MAP #26.
9. THERE ARE NO FLOODPLAINS OR WETLANDS ON SITE.
10. THE PROJECT IS IN CONFORMANCE WITH THE LATEST HOWARD COUNTY STANDARDS UNLESS WAIVERS HAVE BEEN APPROVED.
11. THE COORDINATES SHOWN HEREON ARE BASED UPON THE HOWARD COUNTY GEODETIC CONTROL WHICH IS BASED ON THE MARYLAND STATE PLANE COORDINATE SYSTEM. HOWARD COUNTY MONUMENTS NUMBERS 38 AA AND 38 BA WERE USED FOR THIS PROJECT.
12. IN ACCORDANCE WITH SECTION 128 OF THE HOWARD COUNTY ZONING REGULATIONS, BAY WINDOWS, CHIMNEYS, OR EXTERIOR STAIRWAYS NOT MORE THAN 16 FEET IN WIDTH MAY PROJECT NOT MORE THAN 4 FEET INTO SETBACKS. PORCHES, OR DECKS, OPEN OR ENCLOSED MAY PROJECT NOT MORE THAN 10 FEET INTO THE FRONT OR REAR YARD SETBACK. BRL'S SHOWN TAKEN FROM HOWARD COUNTY ZONING REGULATION FOR THE ZONING DISTRICT.
13. DRIVEWAY(S) SHALL BE PROVIDED PRIOR TO ISSUANCE OF A USE AND OCCUPANCY PERMIT FOR ANY NEW DWELLING TO INSURE SAFE ACCESS FOR FIRE AND EMERGENCY VEHICLES PER THE FOLLOWING MINIMUM REQUIREMENTS:
   A.) WIDTH – 12 FEET (14' SERVING MORE THAN ONE RESIDENCE).
   B.) SURFACE– 6" OF COMPACTED CRUSHER RUN BASE WITH 1 1/2" MIN. TAR AND CHIP COATING.
   C.) GEOMETRY – MAX. 15% GRADE, MAX. 10% GRADE CHANGE, AND 45 FOOT TURNING RADIUS.
   D.) STRUCTURES (BRIDGES/CULVERTS) – CAPABLE OF SUPPORTING 25 GROSS TONS (H25–LOADING).
   E.) DRAINAGE ELEMENTS – CAPABLE OF SAFETY PASSING 100 YEAR FLOOD WITH NO MORE THAN ONE FOOT DEPTH OVER DRIVEWAY SURFACE.
   F.) STRUCTURES CLEARANCE – MINIMUM 12 FEET.
   G.) MAINTENANCE – SUFFICIENT TO INSURE ALL WEATHER USE.
14. DRIVEWAY ENTRANCE ONTO HANOVER ROAD SHALL BE CONSTRUCTED AS SPECIFIED ON HOWARD COUNTY STD. DETAIL NO. R6.06 LOCATED IN THE HOWARD COUNTY DESIGN MANUAL VOLUME IV, STANDARD SPECIFICATIONS AND DETAILS FOR CONSTRUCTION.
15. SEWER HOUSE CONNECTION TO BE SET AT A MINIMUM OF 1% TO PROVIDE GRAVITY SEWER SERVICE FOR BASEMENT AS PER DIRECTION OF CHIEF, HOWARD COUNTY DPW, BUREAU OF ENGINEERING (3/23/04).
16. EXISTING UTILITIES ARE BASED ON INFORMATION OBTAINED FROM CONTRACT DRAWINGS 650–S AND 44–0906
17. ANY DAMAGE TO THE COUNTY'S RIGHT OF WAY SHALL BE CORRECTED AT THE OWNER'S/DEVELOPER'S EXPENSE.
18. THE EXISTING SHED SHOWN IS TOTAL OF 96 S.F. AND NOT A PERMANENT STRUCTURE CONSTRUCTION. THEREFORE IT IS EXEMPT FROM SETBACK REGULATIONS.
19. THIS PLAN HAS BEEN PREPARED IN ACCORDANCE WITH THE PROVISIONS OF SECTION 16.124 OF THE HOWARD COUNTY CODE AND LANDSCAPING MANUAL. FINANCIAL SURETY FOR THE SIX (6) REQUIRED LANDSCAPE TREES IN THE AMOUNT OF $1,800.00 MUST BE POSTED AS PART OF THE BUILDER'S GRADING PERMIT.
20. THIS PROJECT IS EXEMPT FROM THE REQUIREMENTS OF SECTION 16.1200 OF THE HOWARD COUNTY CODE FOREST CONSERVATION BECAUSE THE LOT IS LESS THAN 40,000 SQUARE FEET AND NO DECLARATION OF INTENT IS REQUIRED UNDER SECTION 16.1202(B)(1)(i) OF THE SUBDIVISION AND LAND DEVELOPMENT REGULATIONS.



VICINITY MAP

SCALE: 1"=2000'



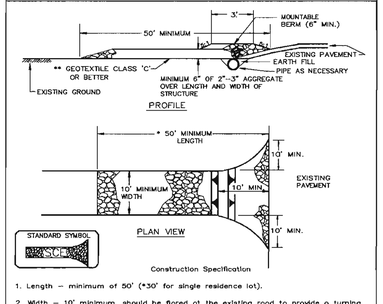
TREE PLANTING DETAIL

NOT TO SCALE

NOTE:

1. TREES SHOULD BE PLANTED A MINIMUM OF 8 FEET FROM THE EDGE OF PAVING

DETAIL 24 – STABILIZED CONSTRUCTION ENTRANCE



Construction Specification

1. Length – minimum of 50' (*30' for single residence lot).
2. Width – 10' minimum, should be flared at the existing road to provide a turning radius.
3. Geotextile fabric (filter cloth) shall be placed over the existing ground prior to placing stone. **The plan approval authority may not require single family residences to use geotextile.
4. Stone – crushed aggregate (2" to 3") or reclaimed or recycled concrete equivalent shall be placed at least 6" deep over the length and width of the entrance.
5. Surface Water – all surface water flowing to or diverted toward construction entrances shall be piped through the entrance, maintaining positive drainage. Pipe installed through the stabilized construction entrance shall be protected with a mountable berm with 5:1 slopes and a minimum of 6" of stone over the pipe. Pipe has to be sized according to the drainage. When the SCE is located at a high spot and has no drainage to convey a pipe will not be necessary. Pipe should be sized according to the amount of runoff to be conveyed. A 6" minimum will be required.
6. Location – A stabilized construction entrance shall be located at every point where construction traffic enters or leaves a construction site. Vehicles leaving the site must trovel over the entire length of the stabilized construction entrance.

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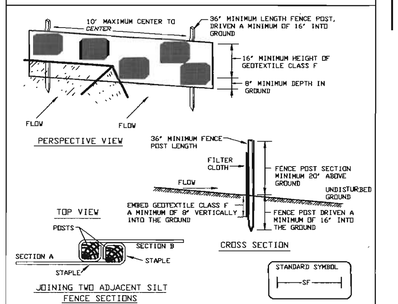
DETAIL 22 – SILT FENCE



Construction Specifications

1. Fence posts shall be a minimum of 36" long driven 16" minimum into the ground. Wood posts shall be 11/2" x 11/2" square (minimum) cut, or 13/4" diameter (minimum) round and shall be of sound quality hardwood. Steel posts will be standard T or U section weighting not less than 1.00 pond per linear foot.
2. Geotextile shall be fastened securely to each fence post with wire ties or staples at top and mid–section and shall meet the following requirements for Geotextile Class F:

Tensile Strength	50 lbs/in (min.)	Test: MSMT 509
Tensile Modulus	20 lbs/in (min.)	Test: MSMT 509
Flow Rate	0.3 gal ft²/ minute (max.)	Test: MSMT 322
Filtering Efficiency	75% (min.)	Test: MSMT 322

3. Where ends of geotextile fabric come together, they shall be overlapped, folded and stapled to prevent sediment bypass.
4. Silt Fence shall be inspected after each rainfall event and maintained when bulges occur or when sediment accumulation reached 50% of the fabric height.

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SOILS LEGEND

SYMBOL	NAME/DESCRIPTION
SfC2	SASSAFRAS GRAVELY LOAM, 5 TO 10 % MODERATLY ERODED

SITE ANALYSIS DATA CHART

A. TOTAL PROJECT AREA: 0.37 ACRES +/– (16,117 SF.)
B. AREA OF PLAN SUBMISSION: 0.37 ACRES +/–
C. LIMIT OF DISTURBED AREA: 0.113 ACRES +/– (4,910 S.F.)
D. SUBJECT PROPERTY ZONED R–12 PER 02/02/04 COMPREHENSIVE ZONING PLAN.
E. PROPOSED USES FOR SITE & STRUCTURES: SINGLE FAMILY DETACHED
F. FLOOR SPACE ON EACH LEVEL OF BUILDING (S) PER USE: SEE HOUSE TEMPLATE THIS SHEET.
G. TOTAL NUMBER OF UNITS ALLOWED: 1
H. TOTAL NUMBER OF UNITS PROPOSED: 1
I. PROPOSED BUILDING COVERAGE OF SITE: 0.033 acres ±; 8.8% OF GROSS LOT AREA.

BENCHMARKS

STA. 38 AA N 561158.817 (ft.) E 1389726.33(ft.) ELEV. 220.084 (ft.)
N 171041.54947 (ft.) E 423589.4331 (ft.) ELEV. 67.082 (ft.)

STA. 38 BA N 562553.314 (ft.) E 1390967.86 (ft.) ELEV. 166.184 (ft.)
N 171466.5929 (ft.) E 423967.8525 (ft.) ELEV. 50.653 (ft.)

LANDSCAPE PLANTING LIST

SYMBOL	QUANTITY	NAME	REMARKS
⊙	6	ACER RUBRA (RED MAPLE)	2 1/2" MIN. CAL. FULL HEAD

LANDSCAPE NOTES

1. PERIMETER LANDCAPING SHALL BE PROVIDED BY THE EXISTING VEGETATION TO REMAIN AND BY THE PLANTINGS AS SHOWN ON THESE PLANS.

OWNER/DEVELOPER

David S. and Darlene J. Ciepiela
289 Maple Wreath Court
Abington, Maryland 21009
410–515–7798

ADDRESS CHART

PARCEL	STREET
848	6017 HANOVER ROAD

SITE DEVELOPMENT PLAN
CIEPIELA PROPERTY

SINGLE FAMILY DETACHED
6017 HANOVER ROAD

TAX MAP 38 GRID 9 PARCEL 848
1ST ELECTION DISTRICT HOWARD COUNTY, MARYLAND

APPROVED: HOWARD COUNTY DEPARTMENT OF PLANNING AND ZONING

CHIEF, DEVELOPMENT ENGINEERING DIVISION	DATE 6/7/04
CHIEF, DIVISION OF LAND DEVELOPMENT	DATE 6/11/04
DIRECTOR	DATE 6/11/04

REVIEWED FOR HOWARD SCD AND MEETS TECHNICAL REQUIREMENTS

USDA–NATURAL RESOURCES CONSERVATION SERVICE DATE 6/3/04

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

HOWARD SCD DATE 6/3/04

ENGINEERS CERTIFICATE

"I CERTIFY THAT THIS PLAN FOR SEDIMENT AND EROSION 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.

SIGNATURE OF ENGINEER DATE 6/1/04
GREGORY W. FILAR

OWNER/DEVELOPER CERTIFICATE

"I/WE CERTIFY THAT ALL DEVELOPMENT AND CONSTRUCTION WILL BE DONE ACCORDING TO THIS PLAN FOR SEDIMENT AND EROSION CONTROL, AND THAT ALL 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.

SIGNATURE OF OWNER/DEVELOPER DATE 6-7-04

PERMIT INFORMATION CHART

Subdivision Name:			Section Area		Parcel No.
N/A			N/A		848
Deed Ref.	Grid	Zoning	Tax Map No.	Elect. District	Census Tract
L.7277 F. 389	9	R–12	38	1st	6012.01
Water Code			Sewer Code		
A–01			2090000		

6/1/04

GREGORY FILAR, P.E.
5732 ELKRIDGE HEIGHTS ROAD
ELKRIDGE, MD 21075
TEL: 410–796–5789

DESIGN BY: G.W.F.
DRAWN BY: J.Y.R.
CHECKED BY: G.W.F.
SCALE: AS SHOWN
DATE: MAY 2004
SHEET No.: 1 OF 1

SDP-04-107