

SOIL ANALYSIS

SOIL SYMBOL	SOIL TYPE	CLASSIFICATION
CmB2	Chillum Silty Loam, 1-5% slopes, Moderately Eroded	B
SfC2	Sassafras gravelly sandy loam, 5-10% slopes, Moderately Eroded	B
SD2	Sassafras gravelly sandy loam, 10-15% slopes, Moderately Eroded	B

SHC TABLE

HO.CO. SOIL MAP NO. 33

FIRST FLOOR ELEVATION= 311.50
BASEMENT ELEVATION= 303.50
MINIMUM CELLAR ELEVATION= 301.00
INVERT IN MAIN SEWER LINE= 294.21 @2%

- OPERATION & MAINTENANCE SCHEDULE FOR PRIVATELY OWNED & MAINTAINED DRY WELLS**
- THE OBSERVATION WELLS & STRUCTURES SHALL BE INSPECTED ON A QUARTERLY BASIS & AFTER EVERY LARGE STORM EVENT.
 - WATER LEVEL & SEDIMENT BUILD UP IN THE OBSERVATION WELLS SHALL BE RECORDED OVER A PERIOD OF SEVERAL DAYS TO INSURE TRENCH DRAINAGE.
 - A LOGBOOK SHALL BE MAINTAINED TO DETERMINE THE RATE AT WHICH THE DRY WELL DRAINS.
 - WHEN THE DRY WELL BECOMES CLOGGED SO THAT IT DOES NOT DRAIN DOWN WITHIN THE 12 HR. TIME PERIOD, CORRECTIVE ACTION SHALL BE TAKEN.
 - THE MAINTENANCE LOGBOOK SHALL BE AVAILABLE TO HOWARD COUNTY FOR INSPECTION TO ENSURE COMPLIANCE WITH OPERATION AND MAINTENANCE CRITERIA.
 - ONCE THE PERFORMANCE CHARACTERISTICS OF THE DRY WELLS HAVE BEEN VERIFIED, THE MONITORING SCHEDULE CAN BE REDUCED TO AN ANNUAL BASIS UNLESS THE PERFORMANCE DATA INDICATES THAT A MORE FREQUENT SCHEDULE IS REQUIRED.

PARCEL 566
TAX MAP 47, GRID 19
TRACIE R. REARDON
L. 4783, F. 68
L. 5261, F. 468
ZONED R-SC

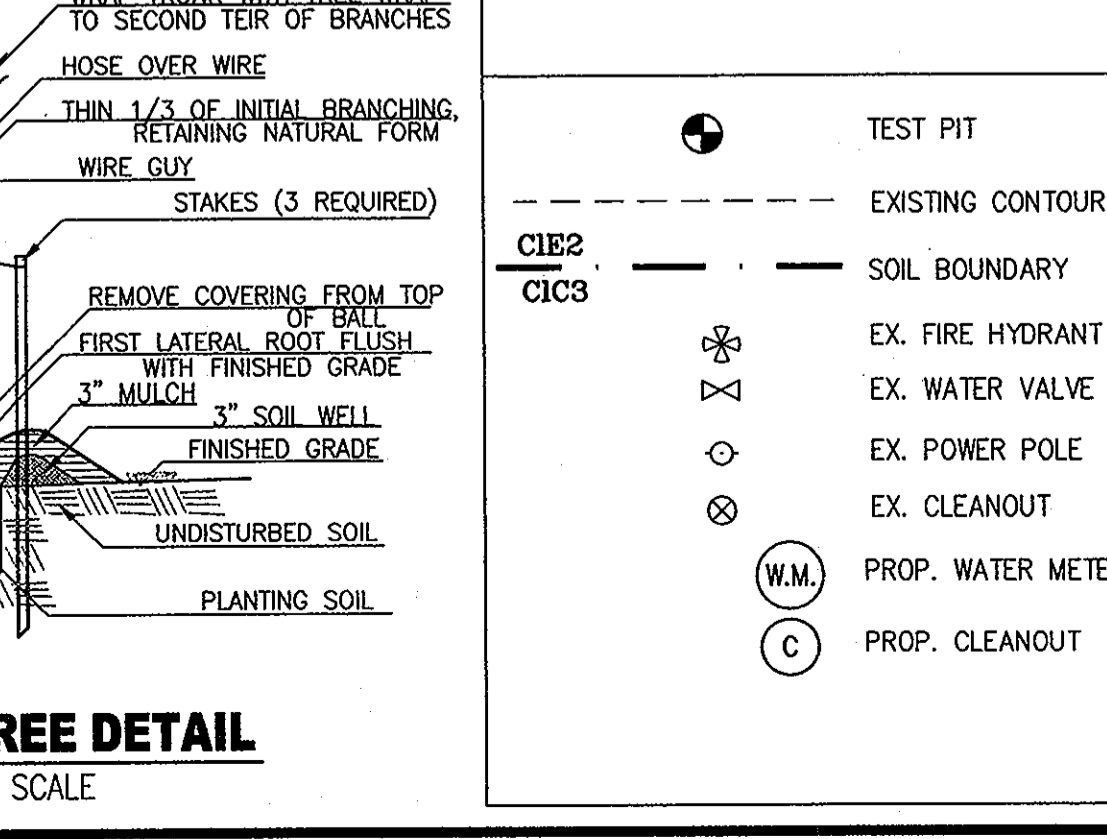
PLANT LIST

QTY	SPECIES	SIZE	SYMBOL	COMMENTS
1	Acer Saccharum Sugar Maple	2-1/2" to 3" cal.	11	Plant max. 40' apart
1	Acer rubrum Red Maple	2-1/2" to 3" cal.	12	Plant max. 30' apart
1	Acer platanoides 'Crimson Sentry' / Crimson Sentry Norway Maple	1-1/2" to 2" cal.	13	Plant max. 30' apart
30	Thuja occidentalis 'Emerald' Emerald Green Arborvitae	18" to 24"	14	Plant max. 4' apart

SCHEDULE A - PERIMETER LANDSCAPE EDGE

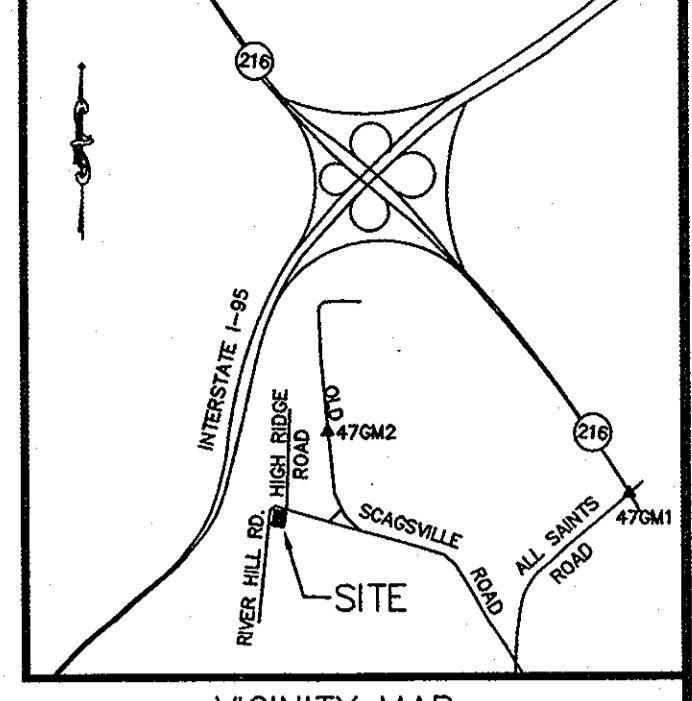
Category	Roadways					TOTAL PLANTS PROVIDED
	1	2	3	4	5	
Landscape Type	NONE	A	A	A	D	
Linear Feet of Roadway/Frontage/Perimeter	87'	9'	140'	107'	120'	
Number of Plants Required						
Shade Trees	0	0	2	2	2	
Evergreen Trees	0	0	0	0	12	
Shrubs	0	0	0	0	0	
Credit for Existing Vegetation	NO	NO	YES	NO	NO	
Shade Trees	0	0	1	0	0	
Evergreen Trees	0	0	0	0	0	
Other: (20' wide landscape buffer)	0	0	0	0	0	
Number of Plants Provided						
Shade Trees	0	0	1	2	0	3 Shade
Evergreen Trees	0	0	0	0	0	0 Evergreen
Shrubs	0	0	0	0	30	30 Shrubs

* EXISTING TREE TO REMAIN
* HEDGE PROVIDED @ 1/3 SHRUB/4 FEET ALONG PERIMETER 5
* THE 30 SHRUBS SATISFIES SECTION 16.120(b)(5)(iv) OF THE SUBDIVISION AND LAND DEVELOPMENT REGULATIONS, SINCE THE PROPOSED DRIVEWAY IS WITHIN A PIPESTEM AREA AND THE DRIVEWAY IS LESS THAN 10 FEET FROM THE PROJECT BOUNDARY, DPZ DOES PERMIT A HEDGE TO SERVE AS BUFFER TO THE ADJACENT PROPERTY.



- GENERAL NOTES:**
- The subject property is zoned RSC per the 2/2/04 Comprehensive Zoning Plan and per the "Comp Lite" Zoning Regulation Amendments effective 7/28/06.
 - No Wetlands streams, or Floodplains exist on this property as certified by La Bore LLC on March 23, 2001
 - For flag or pipestem lots, refuse collection, snow removal and road maintenance are provided to the junction of the flag or pipestem and road right-of-way line and not to the pipestem lot driveway.
 - Water and sewer service to the lot will be granted under the provisions of Section 18.122.B of the Howard County Code. Allocations will be granted at the time of building permit application if capacity is available at that time. Water is available through Cont. #44-3169 and sewer is available through Cont. #20-3253.
 - Iron pipes are shown as "o".
 - Quality Stormwater management (WQv and Rev) for this property has been provided through stormwater management credits for Disconnection of Rooftop Runoff (Section 5.2 of 2000 Maryland Stormwater Design Manual), and Disconnection of Non-Rooftop Runoff (Section 5.3). CPV is not required for this site because the one-year post development peak discharge is less than 2 cfs.
 - This plan is based on a field run monumented boundary survey performed on or about May 29, 2001 by KCE Engineering, Inc.
 - The 65 dBA noise contour line drawn on this final plat is advisory as required by the Howard County Design Manual, Chapter 5, revised February 1992, and cannot be considered to exactly locate 65 dBA noise exposure. The 65 dBA noise line was established by Howard County to alert developers, builders and future residents that areas beyond this threshold may exceed generally accepted noise levels established by the U.S. Department of Housing and Urban Development.
 - The Pre & Post-mitigated 65 dBA noise contours are based on noise study prepared for SHA Project No. H08575126.
 - A Declaration of Maintenance Obligation for the private use-in-common access and drainage easement serving Lots 1, 2 & 3 was recorded among the Land Records of Howard County, Maryland, in L. 10376, F. 280.
 - This plan is subject to the Amended 5th Edition of the Subdivision and Land Development Regulations.
 - In accordance with Section 128 of the Howard County Zoning Regulations, bay windows, chimneys or exterior stairways not more than 16" in width may project not more than 4" into any setbacks, porches or decks, open or enclosed may project not more than 10' into the front or rear yard setback.
 - BRL denotes Building Restriction Line.
 - Driveways shall be provided prior to issuance of a use and occupancy permit for any new dwellings to insure safe access for fire and emergency vehicles per the following minimum requirements:
 - Width-12' (16' serving more than one residence);
 - Surface-6" of compacted crusher run base w/tar and chip coating (1-1/2" min.);
 - Geometry-Max. 15% grade, max. 10% grade change and min. 45' turning radius;
 - Structures (culverts/bridges)-capable of supporting 25 gross tons (H25 loading);
 - Drainage Elements-capable of safely passing 100-year flood with no more than 1 foot depth over driveway surface;
 - Maintenance-sufficient to insure all weather use.
 - Contractor to verify elevations in field before beginning any construction.
 - 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 the start of work.
 - The contractor shall notify "Miss Utility" at 1-800-257-7777 at least 48 hours prior to any excavation work being done.
 - This survey is tied to Howard County NAD 83/91 Horizontal and NAVD 88 Vertical datums. (Howard County Survey Control points 47GM1 & 47GM2 are used).
 - Any damage to the County's right-of-way shall be corrected at the developer's expense.
 - For driveway entrance details, refer to the Howard County Design Manual, Volume IV, Standard Detail R-6.06.
 - This property is exempt from the Forest Conservation requirements, per Section 16.120(b)(1)(i) of the Howard County Code because this parcel is less than 40,000 SF. in area. Approved under F-02-036.
 - Landscaping has been provided in accordance with Section 16.124 of the Howard county landscape code and the Landscape Manual. Surety in the amount of \$1800 will be posted with the Developer's Agreement for 3 shade trees and 30 shrubs.
 - The Blair subdivision, Lots 1-3, paid a fee-in-lieu of providing open space.
 - A waiver for Sections 16.120 (c)(2)(i) which requires a min. frontage of 20' for single pipestem and non-pipestem lots & which cannot be further divided under current zoning, and 16.120 (c)(2)(ii) which requires that adjacent pipestem lots which share a common driveway shall have sufficient frontage collectively to meet the driveway easement requirements in the Design Manual, of the Subdivision and Land Development Regulations was granted under waiver petition WP-02-121 dated July 18, 2002.
 - The existing topography is based on field run survey with one foot contour intervals prepared by KCE ENGINEERING on or about May 29, 2001.
 - SHC elevation shown are located at the property line.
 - The contractor or developer shall contact the Construction Inspection Division 24 hours in advance of commencement of work at (410) 313-1880.

- LEGEND**
- TEST PIT
 - EXISTING CONTOUR
 - EXISTING TREES/SHRUBS
 - EX. SEWER LINE
 - PROP. SHC
 - 3/4" WATER HOUSE CONNECTION
 - EX. 12" WATER MAIN
 - Unmitigated 65dBA contour
 - Mitigated 65 dBA contour
 - EX. FIRE HYDRANT
 - EX. WATER VALVE
 - EX. POWER POLE
 - EX. CLEANOUT
 - PROP. WATER METER
 - PROP. CLEANOUT
 - SOIL BOUNDARY
 - EX. LATERAL ROOT FLUSH WITH FINISHED GRADE
 - 3" MULCH
 - 3" SOIL WELL
 - FINISHED GRADE
 - UNDISTURBED SOIL
 - PLANTING SOIL



BENCHMARKS

#	ELEVATION	NORTHING	EASTING
47GM2	317.746	N 529,469.1744	E 1,350,919.0384
47GM1	227.245	N 528,905.2108	E 1,354,272.9684

- SITE ANALYSIS DATA CHART**
- Total Project Area: 0.3113± acres (13,560 sq.ft.)
 - Limit of Disturbed Area: 0.251± acres (10,920 sq.ft.)
 - Present Zoning Designation: R-SC
 - Proposed uses for site and structures: Single Family Detached Dwelling
 - Floor space on each level of building per use: 1,408 s.f. (F.F.), 1,122 s.f. (S.F.) Total 2,530 s.f. Residential. Unfinished Basement.
 - Total number of units allowed for project as shown on final plat: One
 - Total number of units proposed on submission: One
 - Maximum number of employees, tenants on site per use: N/A
 - No. of parking spaces required by Howard County Zoning Regulations and/or FDP Criteria: N/A

Reviewed for HOWARD SCD and meets Technical Requirements.

Jim Mayes 9-24-07
Signature of Engineer Date

John R. Heath 9-24-07
Signature of Developer Date

ENGINEER'S CERTIFICATE

I 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.

John R. Heath 9/17/07
Signature of Engineer Date

DIHARAM V. KATHURIA

DEVELOPER'S CERTIFICATE

I/We certify that all development and construction will be done according to this plan, 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.

Nathaniel J. Heath 9-17-07
Signature of Developer Date

Dustin R. Heath 9-17-07
Signature of Developer Date

DUSTIN R. HEATH
Print name of Developer

APPROVED: DEPARTMENT OF PLANNING AND ZONING

David A. Hays 10/22/07
Chief, Development Engineering Division W.Y. Date

David A. Hays 10/22/07
Chief, Division of Land Development Date

David A. Hays 10/22/07
Director Date

ADDRESS CHART

LOT/PARCEL #	STREET ADDRESS
LOT 3	10165 HIGH RIDGE ROAD

PERMIT INFORMATION CHART

Subdivision Name	Section/Acre	Lot/Parcel No.
BLAIR SUBDIVISION	N/A	LOT 3, P.565
18653	19	R-SC 47
Water Code	606903	Sewer Code 261000

OWNER/DEVELOPER
NATHANIEL J. HEATH &
DUSTIN R. HEATH
16111-A LAUREL RIDGE DR.
LAUREL, MD 20707

Professional Certification
I hereby certify that these documents were prepared or approved by me, and that I am a duly licensed professional engineer under the laws of the State of Maryland, License No. 8818, Expiration Date: 10/17/08

Nathaniel J. Heath 9/17/07
Professional Engineer Seal

HEATH RESIDENCE
BLAIR SUBDIVISION LOT 3
SITE DEVELOPMENT PLAN
SINGLE FAMILY DETACHED DWELLING ZONED R-SC
PARCEL 565 GRID 19 L. 10489 F. 096
6TH ELECTION DISTRICT TAX MAP 47 HOWARD COUNTY, MARYLAND
FINAL PLAN APPROVED DATE 12/27/02
PREVIOUS FILE # F-02-036, WP-02-121 PLAT #18653

SCALE: 1" = 20' DATE: 09/18/07 JOB NO.: SHEET: 1 OF 2

KCE ENGINEERING, INC.
EXECUTIVE CENTER
3300 NORTH RIDGE ROAD, SUITE 315
ELICOTT CITY, MARYLAND 21043
PHONE (410) 203-8800 FAX (410) 203-9228

- LANDSCAPE NOTES:**
- Landscaping has been provided in accordance with Section 16.124 of the Howard County Code and Landscape Manual.
 - At the time of installation, all shrubs and other plantings herewith listed and approved for this site, shall be of the proper height requirements in accordance with the Howard County Landscape Manual. In addition, no substitutions or relocation of required plantings may be made without prior review and approval from the Department of Planning and Zoning. Any deviation from this approved landscape plan may result in denial or delay in the release of landscape surety until such time as all required materials are planted and/or revisions are made to applicable plans and certificates.
 - The owner, tenant, and/or their agents shall be responsible for maintenance of the required landscaping, including plant materials, berms, fences, and walls. All plant materials shall be maintained in good growing condition, and when necessary, replaced with new materials to ensure continued compliance with applicable regulations. All other required landscaping shall be permanently maintained in good condition, and when necessary, repaired or replaced.
 - If any tree for which landscape credit is taken dies prior to inspection, the Developer will be required to replace the tree with a similar sized tree.
 - Financial surety for the required 3 shade trees and 30 shrubs in the amount of \$1,800.00 will be posted with the Developer's Agreement.
- Use-in-Common Access & Utility Easement to benefit Lots 1, 2 & 3**
Plat #18653
- Private Sewer & Utility Easement for maintenance of existing SHC to Lot 1**
Plat #18653
- 30' Private R.O.W.**
L.282, F.404
- 20' Utility Easement**
L.2599, F.427
- 10' Utility Easement**
L.2979, F.278

Nathaniel J. Heath 9-17-07
Owner Date

STANDARD SEDIMENT CONTROL NOTES

- 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 (313-1855).
- 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 recent 1994 MARYLAND STANDARDS AND SPECIFICATIONS FOR SOIL EROSION AND SEDIMENT CONTROL and revisions thereto.
- Following initial soil disturbance or re-disturbance, permanent or temporary stabilization shall be completed within: a) 7 calendar days for all perimeter sediment control structures, dikes, perimeter slopes and all slopes steeper than 3:1, b) 14 days as to all other disturbed or graded areas on the project site.
- 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.
- All disturbed areas must be stabilized within the time period specified above 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.
- 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.
- Site Analysis:

Total Area of Site	=	0.31	Acres
Area Disturbed	=	0.31	Acres
Area to be roofed or paved	=	0.1	Acres
Area to be vegetatively stabilized	=	0.21	Acres
Total Cut	=	50	Cu.Yds.
Total Fill	=	50	Cu.Yds.
Offsite waste/borrow area location:	Cut&Fill to be balanced on site		
- Any sediment control practice which is disturbed by grading activity for placement of utilities must be repaired on the same day of disturbance.
- Additional sediment control must be provided, if deemed necessary by the Howard County Sediment Control Inspector.
- 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.
- Trenches for the construction of utilities is limited to three pipe lengths or that which shall be back-filled and stabilized within one working day, whichever is shorter.

TEMPORARY SEEDING NOTES

Apply to graded or cleared areas likely to be re-disturbed where a short-term 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: Apply 600 lbs/acre 10-10-10 fertilizer (14 lbs/1000 sq.ft.)

Seeding: For the periods March 1-April 30, and August 15-October 15, seed with 2-1/2 bushel per acre of annual ryegrass (3.2 lbs/1000 sq.ft.). For period May 1-August 14, seed with 3 lbs/acre of weeping lovegrass (.07 lbs/1000 sq.ft.). For the period November 16-February 28, protect site by applying 2 tons/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 unrattled weed-free, small grain straw immediately 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 slope 8 feet or higher, use 348 gallons per acre (8 gal/1000 sq.ft.) for anchoring.

Refer to the 1994 MARYLAND STANDARDS AND SPECIFICATIONS FOR SOIL EROSION AND SEDIMENT CONTROL for additional rates and methods not covered.

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.

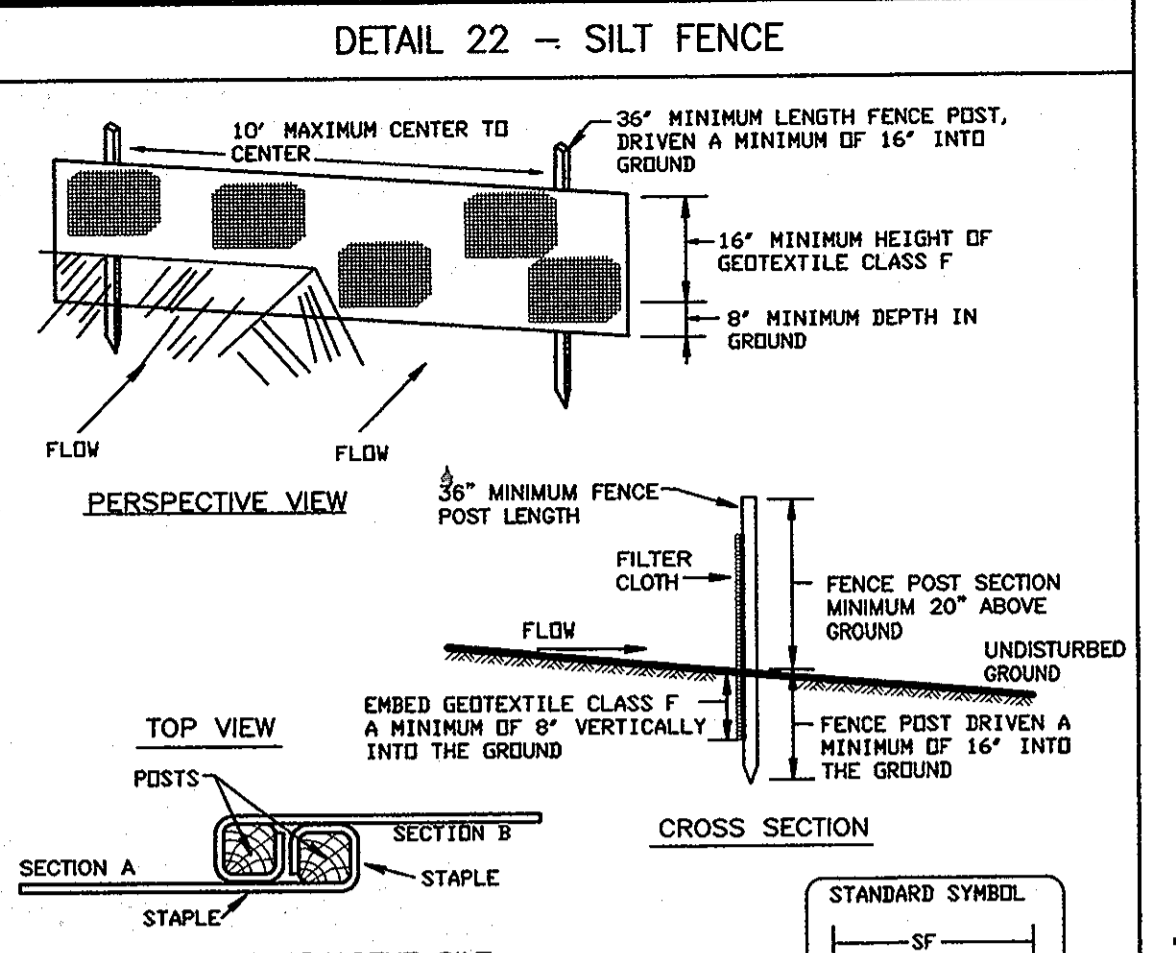
1. **Preferred**- Apply 2 tons/acre dolomitic limestone (92 lbs/1000 sq.ft.) and 600 lbs/acre 10-10-10 fertilizer (14 lbs/1000 sq.ft.) before seeding. Harrow or disk into upper three inches of soil. At time of seeding, apply 400 lbs/acre 30-0-0 ureaform fertilizer (9 2 lbs/1000 sq.ft.)

2. **Acceptable**- Apply 2 tons/acre dolomitic limestone (92 lbs/1000 sq.ft.) and 1000 lbs/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-April 30, and August 15-October 15, seed with 60 lbs/acre (1.4 lbs/1000 sq.ft.) of Kentucky 31 Tall Fescue. For the period May 1-July 31, seed with 60 lbs Kentucky 31 Tall Fescue per acre and 2 lbs/acre (.05 lbs/1000 sq.ft.) of weeping lovegrass. During the period of October 16-February 28, protect site by: **Option 1** - Two 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 30 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 unrattled small grain straw immediately 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 slope 8 feet or higher, use 348 gallons per acre (8 gal/1000 sq.ft.) for anchoring.

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



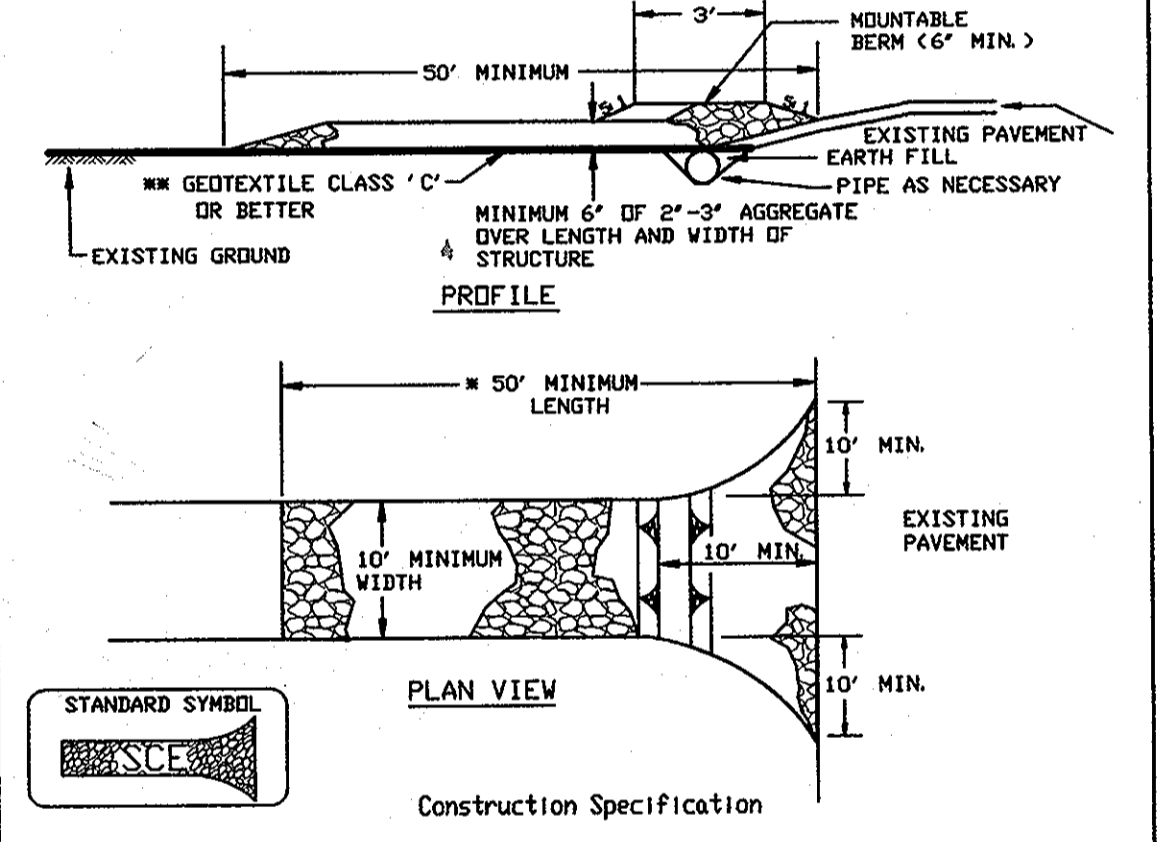
DETAIL 24 - STABILIZED CONSTRUCTION ENTRANCE

Construction Specifications

- Fence posts shall be a minimum of 36" long driven 16" minimum into the ground. Wood posts shall be 1 1/2" x 1 1/2" square (minimum) cut, or 1 3/4" 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 pound per linear foot.
- 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 F4 1/2 minute (max.)	Test MSMT 322
Filtering Efficiency	75% (min.)	Test MSMT 322
- Where ends of geotextile fabric come together, they shall be overlapped, folded and stapled to prevent sediment bypass.
- Silt Fence shall be inspected after each rainfall event and maintained when bulges occur or when sediment accumulation reached 50% of the fabric height.

U.S. DEPARTMENT OF AGRICULTURE SOIL CONSERVATION SERVICE PAGE E-15-3 MARYLAND DEPARTMENT OF ENVIRONMENT WATER MANAGEMENT ADMINISTRATION



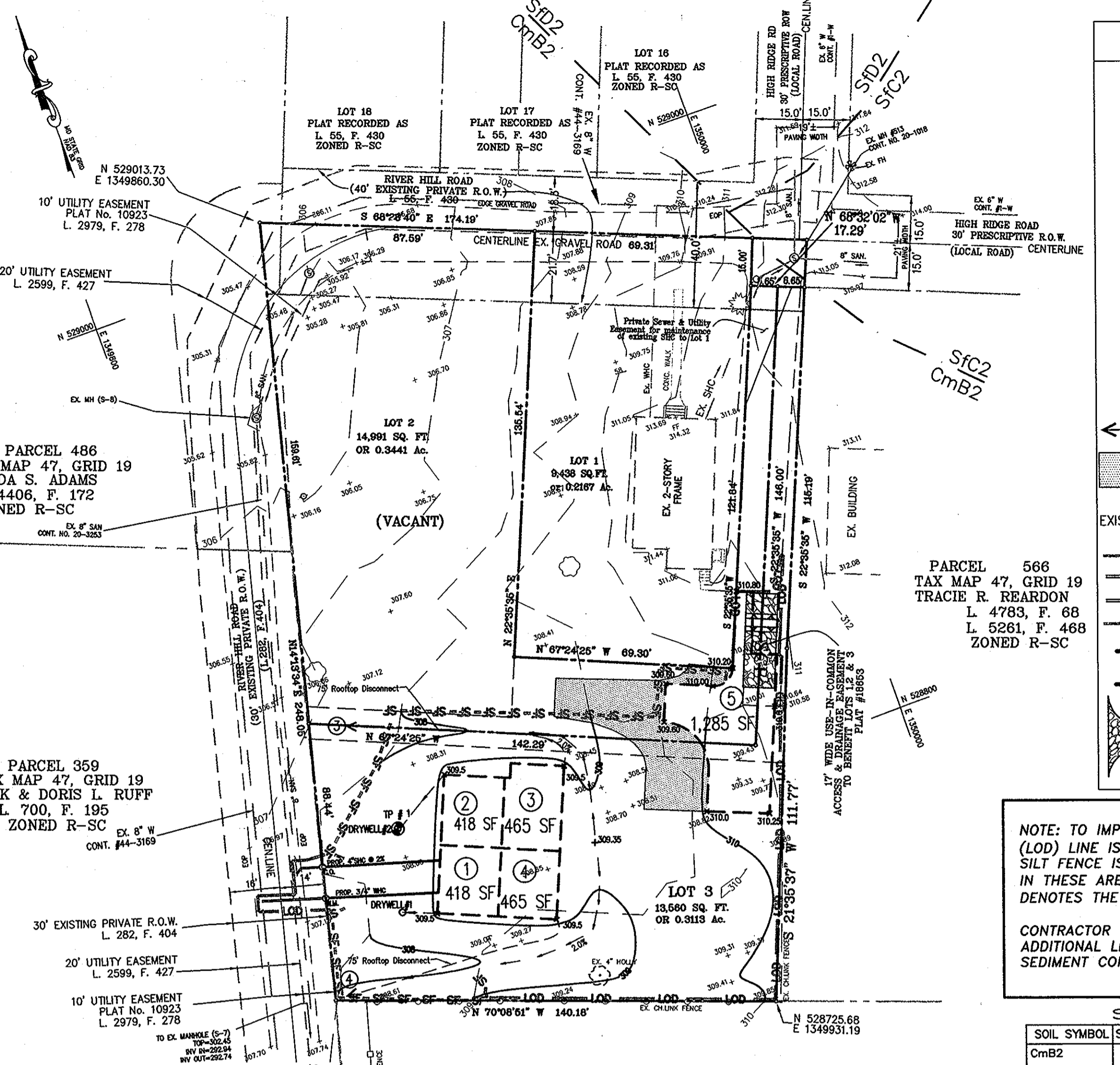
SILT FENCE

Silt Fence Design Criteria

Slope Steepness	(Maximum) Slope Length	(Maximum) Silt Fence Length
Flatter than 5D:1	unlimited	unlimited
5:1 to 10:1	125 feet	1,000 feet
10:1 to 5:1	100 feet	750 feet
5:1 to 3:1	60 feet	500 feet
3:1 to 2:1	40 feet	250 feet
2:1 and steeper	20 feet	125 feet

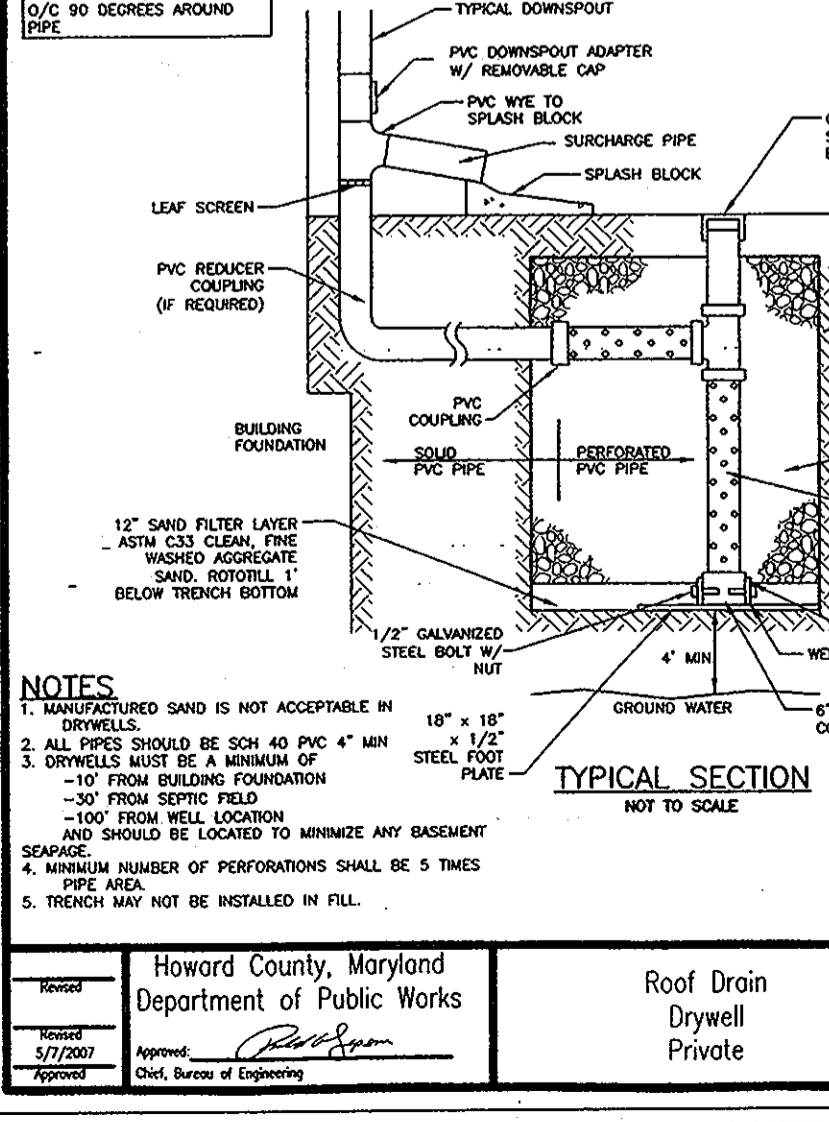
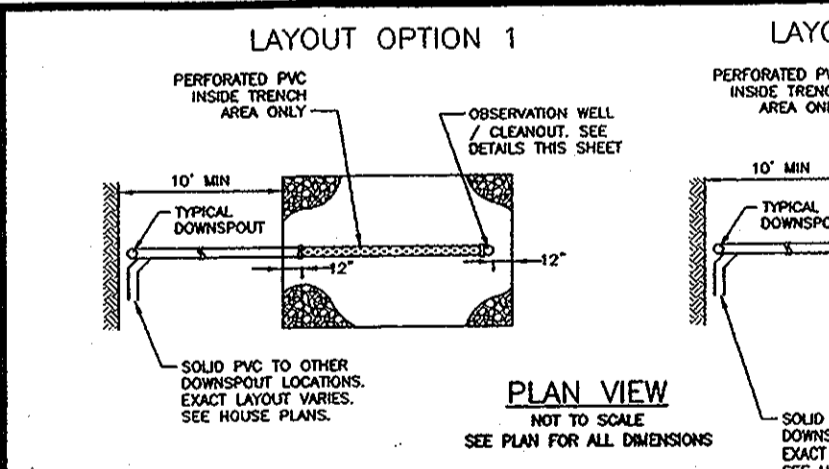
Note: In areas of less than 2X slope and sandy soils (USDA general classification system, soil Class A) maximum slope length and silt fence length will be unlimited. In these areas a silt fence may be the only perimeter control required.

U.S. DEPARTMENT OF AGRICULTURE SOIL CONSERVATION SERVICE PAGE E-15-3A MARYLAND DEPARTMENT OF ENVIRONMENT WATER MANAGEMENT ADMINISTRATION



DRYWELL INVERT ELEVATION TABLE

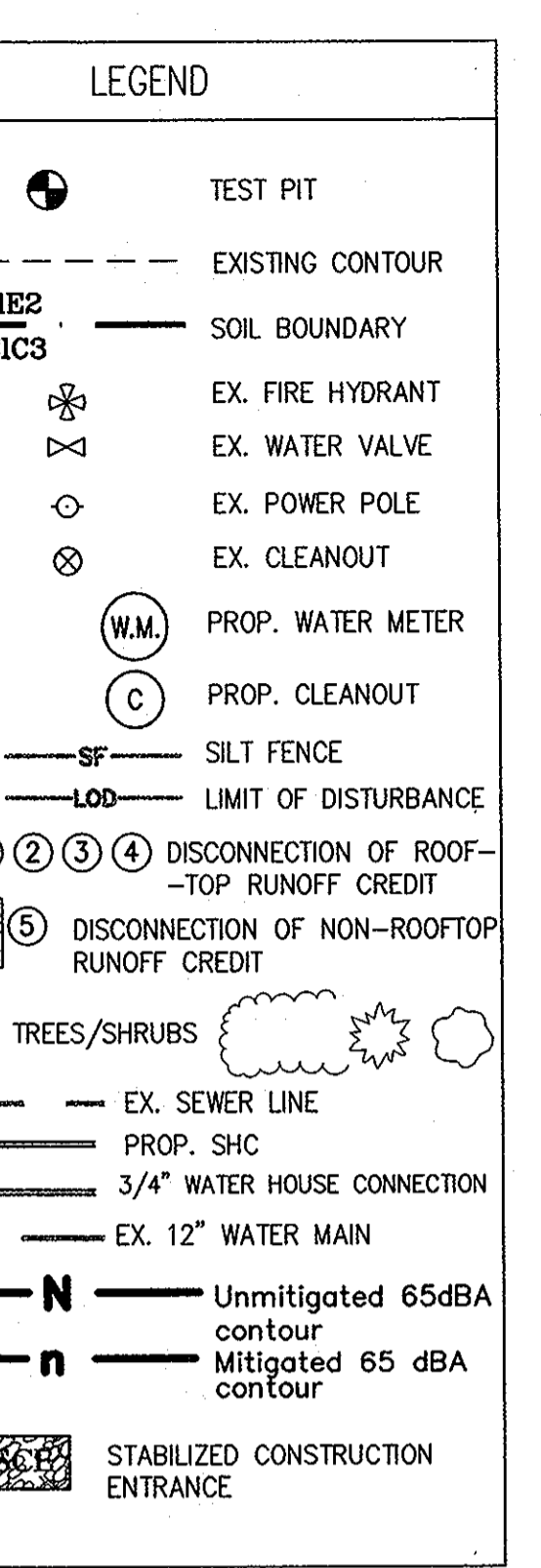
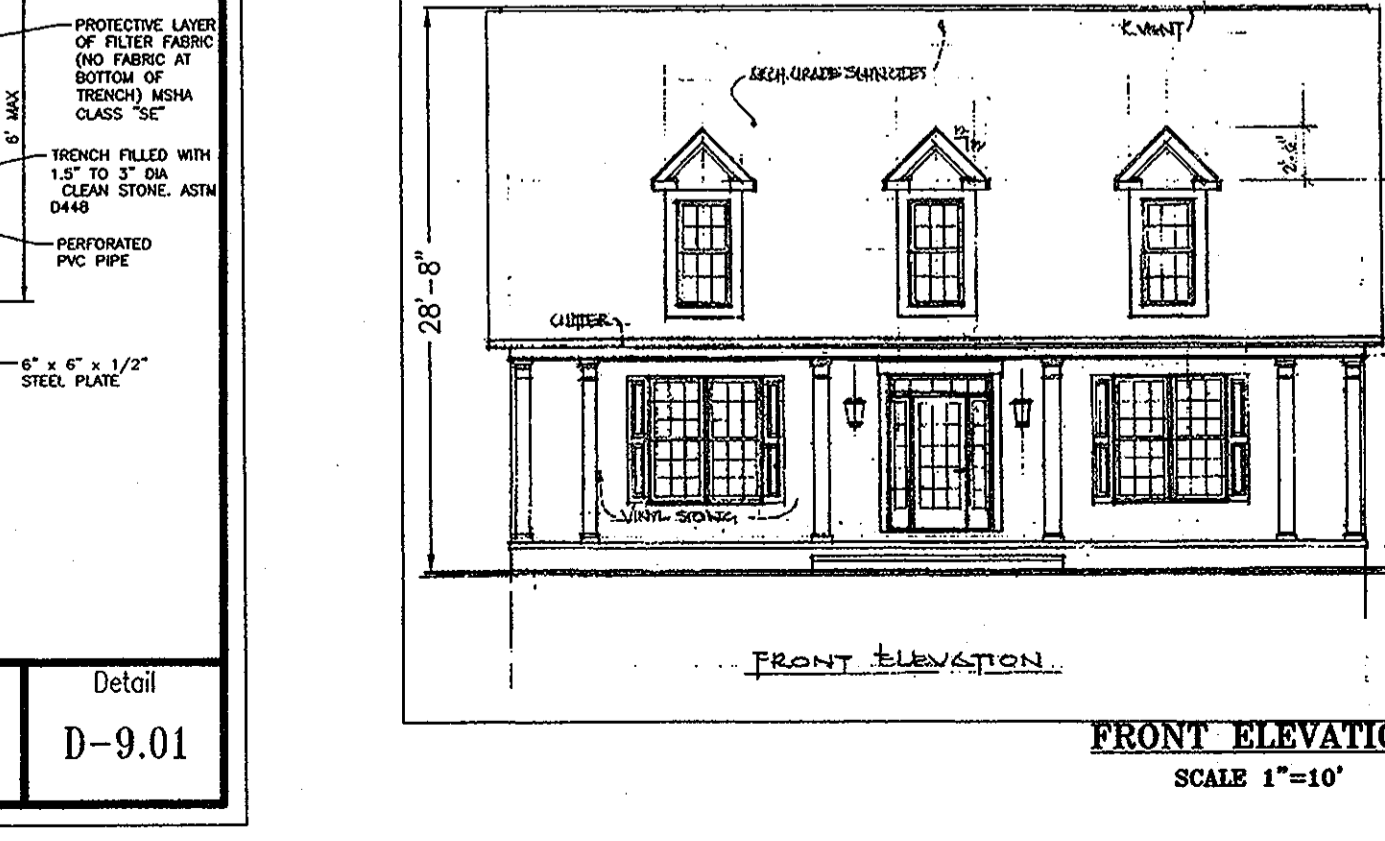
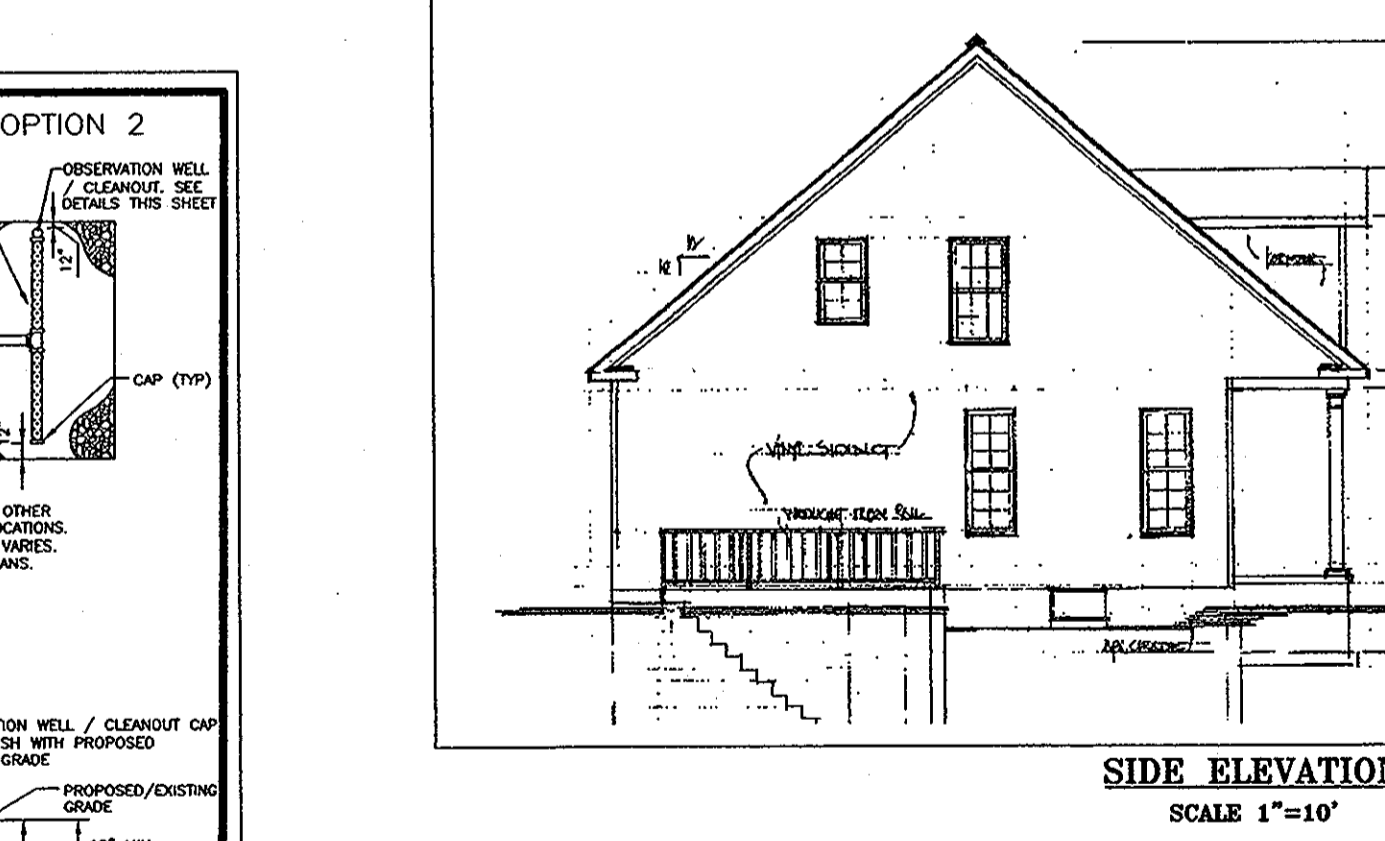
DRYWELL #	INVERT OF DIST. PIPE @ DOWNSPOUT	INVERT OF DIST. PIPE @ DRYWELL	TOP ELEVATION OF DRYWELL
# 1	307.17	308.39	308.50
# 2	307.17	306.60	308.50



TOTAL DRAINAGE AREA

TOTAL DRAINAGE AREA	0.9 AC.
TOTAL IMPERVIOUS AREA	0.08 AC.
TOTAL IMPERVIOUS AREA DISCONNECTED USING SWM CREDITS	0.08 AC.
TOTAL REMAINING IMPERVIOUS AREA TO BE TREATED	0 AC.

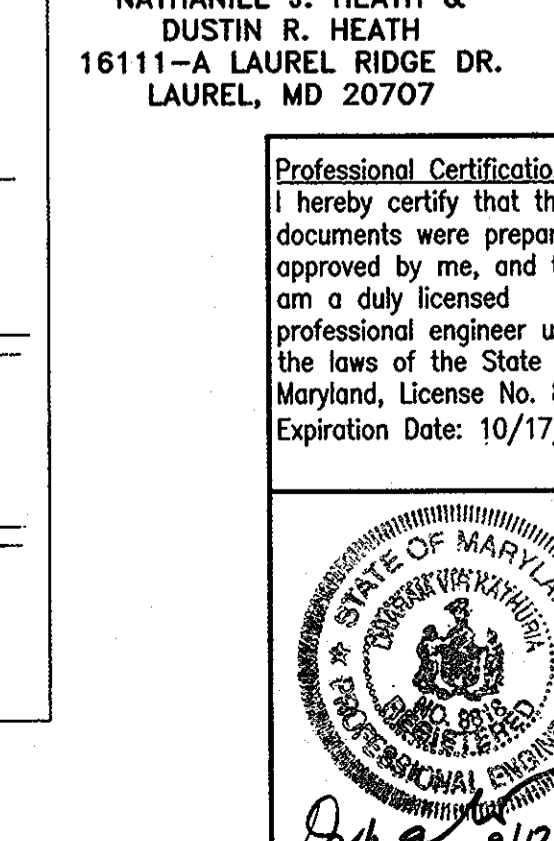
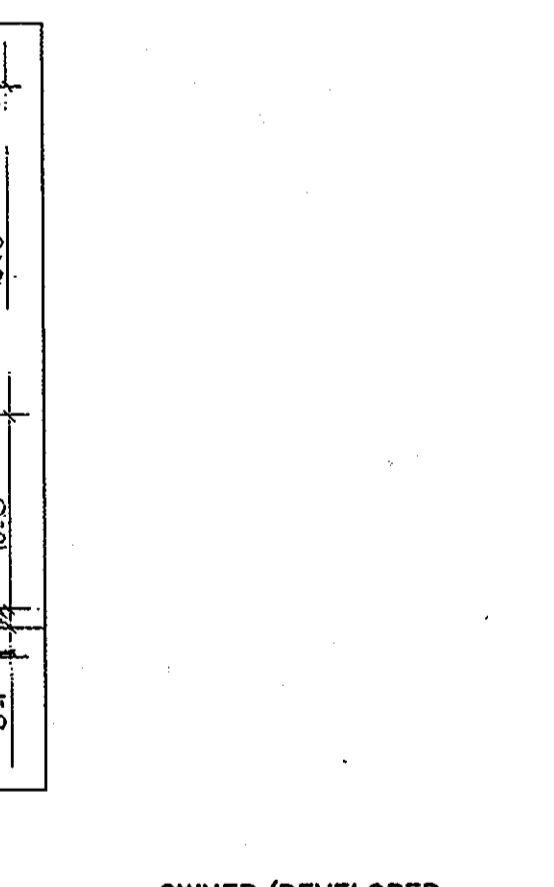
HO.CO. SOIL MAP NO. 33



NOTE: TO IMPROVE CLARITY, LIMIT OF DISTURBANCE (LOD) LINE IS NOT SHOWN AT LOCATIONS WHERE SILT FENCE (SF) LINE IS USED. IN THESE AREAS, SILT FENCE (SF) LINE ALSO DENOTES THE LIMIT OF DISTURBANCE (LOD). CONTRACTOR SHALL INSTALL AND/OR RESET ADDITIONAL LENGTH OF SILT IF REQUIRED BY THE SEDIMENT CONTROL INSPECTOR.

SOIL ANALYSIS

SOIL SYMBOL	SOIL TYPE	CLASSIFICATION
Cmb2	Chilum Silt Loam, 1-5% slopes, Moderately Eroded	B
SfC2	Sassafras gravelly sandy loam, 5-10% slopes, Moderately Eroded	B
SfD2	Sassafras gravelly sandy loam, 10-15% slopes, Moderately Eroded	B



Stormwater Management - SUMMARY TABLE

MINIMUM SIZING CRITERIA	VOLUME REQUIREMENT	NOTES
WATER QUALITY (WQV)	0.01 AC.FT.	Credits provided by Non-rooftop, rooftop disconnect and Dry wells
RECHARGE VOLUME (Rev)	0.003 AC.FT.	Provided by SWM credits (Non-rooftop, rooftop disconnect and Dry wells)
CHANNEL PROTECTION VOLUME (CpV)	-	Not Required
OVERBANK FLOOD PROTECTION (Qp)	-	Not Required
EXTREME FLOOD VOLUME (Qf)	-	Not Required

SEQUENCE OF CONSTRUCTION

- Obtain a Grading Permit.
- Install sediment controls as shown on plan in accordance with details.
- Perform necessary grading. As site is brought to grade, install utilities and commence house construction. All downspouts, swales, ditches, and other concentrated flow areas shall receive erosion control matting.
- Begin driveway construction and install landscaping.
- Stabilize the site with topsoil and seeding as per notes on this drawing.
- After the site is permanently stabilized and permission is granted from the Howard County Sediment Control Inspector, remove sediment controls and stabilize any remaining disturbed areas.

ENGINEER'S CERTIFICATE

I 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.

Signature of Engineer: *D. Heath* Date: 9/17/07
DHARAM V. KATHURIA

DEVELOPER'S CERTIFICATE

I/We certify that all development and construction will be done according to this plan, 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.

Signature of Developer: *Nathaniel J. Heath* Date: 9-17-07
NATHANIEL J. HEATH
Print name of Developer

Signature of Developer: *Dustin R. Heath* Date: 9-17-07
DUSTIN R. HEATH
Print name of Developer

Reviewed for HOWARD SCD and meets Technical Requirements.

Signature: *Jim Meyer* Date: 9-24-07
Jim Meyer
HOWARD COUNTY DEPARTMENT OF ENVIRONMENT WATER MANAGEMENT ADMINISTRATION

This development plan is approved for soil erosion and sediment control by the HOWARD SOIL CONSERVATION DISTRICT.

Signature: *John K. ...* Date: 9-24-07
John K. ...
HOWARD COUNTY DEPARTMENT OF ENVIRONMENT WATER MANAGEMENT ADMINISTRATION

APPROVED: DEPARTMENT OF PLANNING AND ZONING

Signature: *[Signature]* Date: 10/23/07
Chief, Development Engineering Division

Signature: *[Signature]* Date: 10/23/07
Chief, Division of Land Development

Signature: *[Signature]* Date: 10/23/07
Director

APPROVED: FOR PUBLIC WATER AND PUBLIC SEWERAGE SYSTEMS

Signature: *Barbara P. ...* Date: 10/15/2007
County Health Officer
Howard County Health Department 50 200

HEATH RESIDENCE

BLAIR SUBDIVISION LOT 3
STORMWATER MANAGEMENT, SEDIMENT & EROSION CONTROL PLAN, ELEVATIONS, NOTES & DETAILS

SINGLE FAMILY DETACHED DWELLING ZONED R-SC
PARCEL 565 GRID 19 L. 10489 F. 096
6TH ELECTION DISTRICT TAX MAP 47 HOWARD COUNTY, MARYLAND
FINAL PLAN APPROVED DATE 12/27/02
PREVIOUS FILE # F-02-036, WP-02-121 PLAT #18653

SCALE: AS SHOWN DATE: 09/19/07 JOB NO.: 121 SHEET: 2 OF 2

KCE ENGINEERING, INC.
EXECUTIVE CENTER
3300 NORTH RIDGE ROAD, SUITE 315
ELLCOTT CITY, MARYLAND 21103
PHONE (410) 203-9800 FAX (410) 203-9228