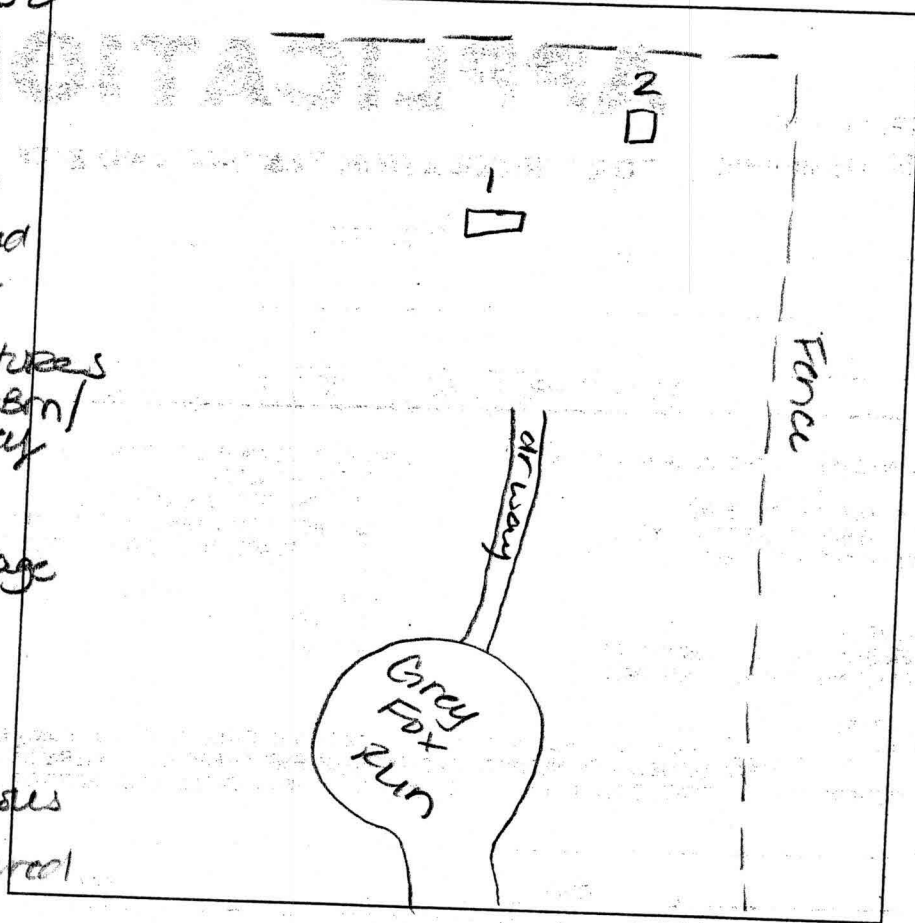


@P 515958

1
 RD Brn
 SIL
 micaceous
 weathered
 shale ch.
 ~40%
 Redox features
 (F, 2, d) RD Brn/
 grey
 7' - RD Brn
 FSL
 10' - H₂O seepage
 12' - Bottom

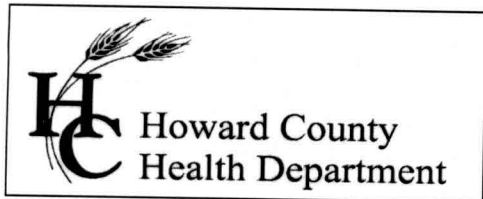


2
 8" Brn L
 RD Brn
 SIL micaceous
 30% weathered
 shale ch.
 few quartz

Start @ 3'
 Redox features
 (F, 2, d) RD Brn/
 grey
 8' - H₂O seepage
 RD Brn
 FSL
 saprotic
 11.5' Bottom

DATE	TEST #	DEPTH	START	BREAK 1" DROP	STOP 2" DROP	TIME OF 2ND INCH	P/F/H
2/21/07	1	4' 12"	10:11	10:20	10:35	15	P
	2	4' 11.5"	9:48	9:49	9:50		
	Repair		9:51	9:54	9:57	3	P

REMARKS Holes tested in close proximity to wet season - Redox features OK
 SANITARIAN Out BACKHOE Rob OTHERS _____
 TEST HOLES USED IN SDA _____ AVG. PERC TIME _____ SQ. FT/BR _____
 TRENCH WIDTH _____ INLET DEPTH _____ MAX. BOT DEPTH _____ EFFECTIVE SW _____



7178 Columbia Gateway Drive, Columbia MD 21046
(410) 313-2640 Fax (410) 313-2648
TDD (410) 313-2323 Toll Free 1-866-313-6300
website: www.hchealth.org

Penny E. Borenstein, M.D., M.P.H., Health Officer

MEMORANDUM

TO: Joe Purdy
CLSI

FROM: Ashley Trump
Well and Septic Program
Development Coordination Section

RE: Foxtail Run Lot 7
13719 Grey Fox Run

DATE: March 2, 2007

Perc testing conducted on February 27 has been completed. Satisfactory soil conditions were found in both test locations. A copy of the test notes are enclosed for your records. Please submit a revised Percolation Certification/Building Permit Plan showing the new test locations and the most recent adjustments to the septic easement. The revised plan will need to be approved by the Health Department prior to issuance of a septic permit. In addition, a revised Foundation Certification Plan will need to be submitted prior to issuance of a septic permit.

If you have any questions please feel free to contact me at 410-313-1775
Thank you

BY THE ENGINEER:
 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. THIS PLAN WAS PREPARED IN ACCORDANCE WITH THE REQUIREMENTS OF THE HOWARD SOIL CONSERVATION DISTRICT.

Alfred L. Howard
 SIGNATURE OF ENGINEER

1/16/07 DATE

DEVELOPER'S CERTIFICATE
 I CERTIFY THAT ALL DEVELOPMENT AND CONSTRUCTION WILL BE DONE IN ACCORDANCE WITH THE PLAN AND THAT ANY NECESSARY PERMITS INVOLVED IN THE CONSTRUCTION PROJECT WILL HAVE A CERTIFICATE OF ATTENDANCE AT A DEPARTMENT OF THE ENVIRONMENT AND PLANNING TRAINING PROGRAM FOR THE SOIL EROSION AND SEDIMENT CONTROL BEGINS THE PROJECT. I HAVE READ AND UNDERSTAND THE REQUIREMENTS OF THE HOWARD SOIL CONSERVATION DISTRICT OR THEIR AUTHORIZED AGENTS AND WILL OBEY THEM.

[Signature]
 SIGNATURE OF DEVELOPER

1/16/07 DATE

THESE PLANS HAVE BEEN REVIEWED FOR THE HOWARD SOIL CONSERVATION DISTRICT AND MEETS TECHNICAL REQUIREMENTS.

USDA - NATURAL RESOURCE CONSERVATION SERVICE DATE

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

HOWARD SOIL CONSERVATION DISTRICT DATE

STANDARDS AND SPECIFICATIONS FOR TOPSOIL CONSTRUCTION AND MATERIAL SPECIFICATIONS

I. Topsoil salvaged from the existing site may be used provided that it meets the standards set forth in these specifications. Typically, the depth of topsoil to be salvaged for a given soil type can be found in the representative soil profile sections as well as surveys published by USDA-SCS in cooperation with Maryland Agricultural Experiment Station.

II. Topsoil Specifications - Soil to be used as topsoil must meet the following:

1. Topsoil shall be a loam, sandy loam, clay loam, silty loam, sandy clay loam, silty clay loam, or silty clay. Other soils may be used if recommended by a professional geologist and approved by the appropriate authority. Regardless, topsoil shall not be a mixture of contrasting textured subsoils and shall contain less than 5% by volume of chert, stones, roots, twigs, concrete fragments, or weed stalks, roots, trash, or other materials larger than 1" in diameter.

2. Topsoil must be free of plants or plant parts such as bermuda grass, quack grass, Johnson grass, meadow grass, or others as specified.

3. Where the subsoil is either highly acidic or composed of heavy clay, ground limestone shall be spread at the rate of 4-6 tons/acre (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 standards.

III. For sites having disturbed areas under 5 acres:

1. Place topsoil (if required) and apply soil amendments as specified in 200 Vegetative Stabilization - Section I - Vegetative Stabilization Methods and Materials.

IV. For sites having disturbed areas over 5 acres:

1. On soil meeting Topsoil specifications, obtain test results indicating fertilizer and lime amendments required to bring the soil into compliance with the following:

a) pH for topsoil shall be between 6.0 and 7.5. If the tested soil demonstrates a pH of less than 6.0, sufficient lime shall be prescribed to raise the pH to 6.5 or higher.

b) Organic content of topsoil shall be not less than 1.5 percent by weight.

c) Topsoil having soluble salt content greater than 500 parts per million shall not be used.

d) No soil or seed shall be placed on soil which has been treated with soil sterilants or chemical soil fumigants unless the fumigant has been fully dissipated (14 days min) to permit dissipation of phytotoxic materials.

Note: Topsoil substitutes or amendments, as recommended by a qualified agronomist or soil scientist and approved by the appropriate approval authority may be used in lieu of natural topsoil.

2. Place topsoil (if required) and apply soil amendments as specified in 200 Vegetative Stabilization - Section I - Vegetative Stabilization Methods and Materials.

V. Topsoil Application

I. When topsoiling, maintain needed erosion and sediment control practices such as diversion ditches, 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, unless 4"-8" higher in elevation.

III. Topsoil shall be uniformly distributed in a 4"-6" 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.

IV. Preparation and 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.

V. Topsoil shall not be placed while the topsoil or subsoil is in a frozen or muddy condition unless the subsoil is excavated and left in a condition that will otherwise be detrimental to proper grading and seedbed preparation.

VI. Alternative for Permanent Seeding - Instead of applying the full amount of lime and commercial fertilizer, composted sludge and amendments may be applied as specified below.

1. Composted Sludge Material for use as a soil conditioner for sites having disturbed areas over 5 acres shall be tested to determine amendments and for sites having disturbed areas under 5 acres shall conform to the following requirements:

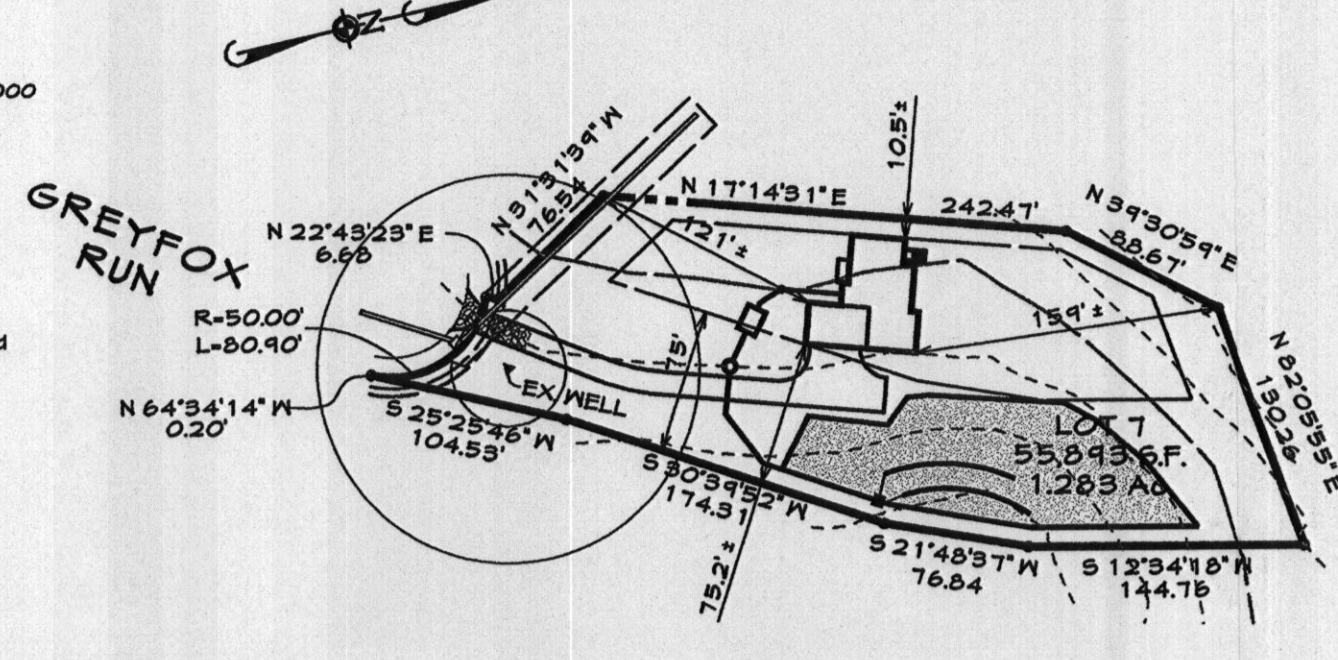
a) Composted sludge shall be supplied by, or originate from, a person or persons that are permitted (at the time of acquisition of the compost) by the Maryland Department of the Environment under COMAR 26.04.06.

b) Composted sludge shall contain at least 1 percent nitrogen, 1.5 percent phosphorus, and 0.2 percent potassium and have a pH of 7.0 to 8.0. A compost does not meet these requirements, the appropriate constituents must be added to meet the requirements prior to use.

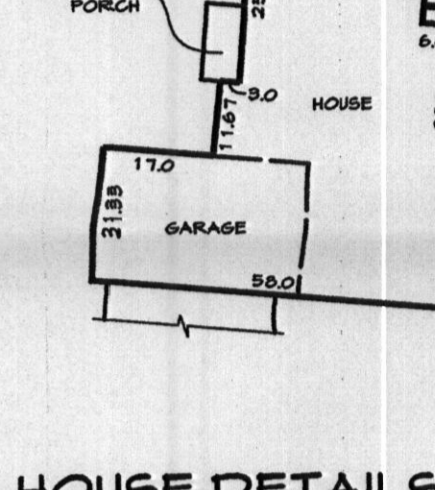
c) Composted sludge shall be applied at a rate of 1 ton/1,000 square feet.

2. Composted sludge shall be amended with a potassium fertilizer applied at the rate of 4 to 12,000 square feet, and 1/3 the normal lime application rate.

- SEQUENCE OF CONSTRUCTION**
1. OBTAIN GRADING PERMIT
 2. INSTALL SEDIMENT CONTROLS AS SHOWN ON PLAN. (1 DAY)
 3. PERFORM NECESSARY GRADING AND STABILIZE THE SITE. BUILD HOUSE (6 MOS.)
 4. AFTER THE SITE IS STABILIZED AND PERMISSION IS GRANTED FROM THE SEDIMENT CONTROL INSPECTOR, REMOVE SEDIMENT CONTROLS AND STABILIZE ANY REMAINING DISTURBED AREAS. (2 DAYS)



LOCATION PLAN SCALE: 1"=100'

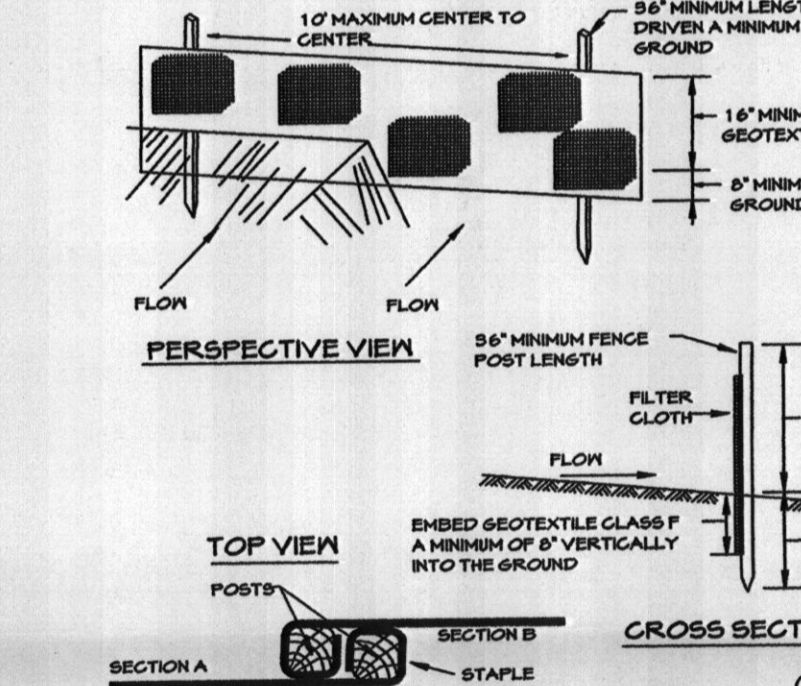


HOUSE TYPE 'COLUMBIA' HOUSE DETAILS SCALE: 1"=30'

Standard Sediment Control Notes

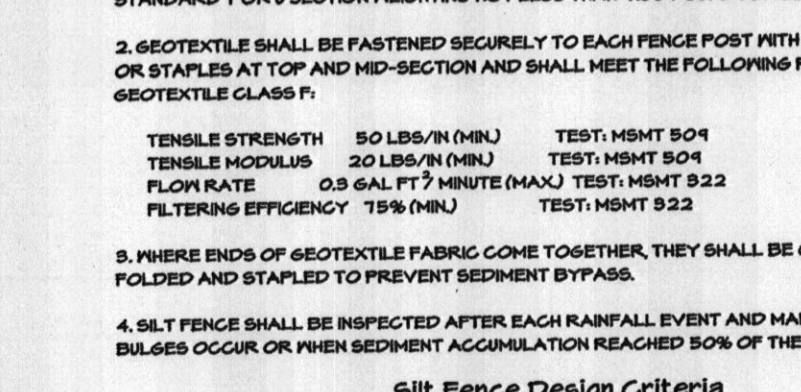
1. A minimum of 48 hours notice must be given to the Howard County Department of Inspections, Licenses and Permits, Sediment Control Division prior to the start of any construction (S 19-1-155).
2. All vegetative and structural practices are to be installed according to the provisions of Chapter 19 of the Annotated Code of Maryland, and the current MARYLAND STANDARDS AND SPECIFICATIONS FOR SOIL EROSION AND SEDIMENT CONTROL, and revisions thereto.
3. Following initial soil disturbance or re-disturbance, permanent or temporary stabilization shall be completed within a 14 calendar day period for all perimeter sediment control structures, dikes, perimeter slopes and all slopes greater than 5:1. 14 days also 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 1994 MARYLAND STANDARDS AND SPECIFICATIONS FOR SOIL EROSION AND SEDIMENT CONTROL, for permanent seeding (Sec. 9.1), soil (Sec. 9.4), temporary seeding (Sec. 9.0) and mulching (Sec. 9.2). 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 1.289 Acres 59,919 SF.
 Area Disturbed 0.70 Acres 30,550 SF.
 Area to be roofed or paved 0.121 Acres 5,300 SF.
 Area to be vegetatively stabilized 0.511 Acres 24,150 SF.
 Total Cut 500 Cu Yds.
 Offsite waste/borrow area location
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 permits may not be authorized until this initial approval by the inspection agency is made.
11. Trenches for the construction of utilities are limited to three pipe lengths or that which shall be back-filled and stabilized by the end of each working, whichever is shorter.

DETAIL 22 - SILT FENCE



DETAIL 22 - SILT FENCE

JOINING TWO ADJACENT SILT FENCE SECTIONS



JOINING TWO ADJACENT SILT FENCE SECTIONS Construction Specifications

Silt Fence Design Criteria

Slope Steepness	(Maximum) Slope Length	(Maximum) Silt Fence Length
Flatter than 5:1	unlimited	unlimited
5:1 to 10:1	125 feet	1,000 feet
10:1 to 15:1	100 feet	750 feet
15:1 to 20:1	80 feet	500 feet
20:1 to 25:1	60 feet	350 feet
25:1 and steeper	40 feet	250 feet

NOTE: IN AREAS OF LESS THAN 2% SLOPE AND SANDY SOILS, GENERAL CLASSIFICATION BY TENSILE STRENGTH, TENSILE MODULUS, SLOPE LENGTH AND SILT FENCE LENGTH WILL BE UNLIMITED. IN THESE AREAS A SILT FENCE MAY BE THE ONLY PERIMETER CONTROL REQUIRED.

HOWARD SOIL CONSERVATION DISTRICT PERMANENT SEEDING NOTES

APPLY TO GRADED OR CLEARED AREAS NOT SUBJECT TO IMMEDIATE FURTHER DISTURBANCE WHERE A PERMANENT LONGLIVED VEGETATIVE COVER IS NEEDED.

NEEDED 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:

1) PREFERRED- APPLY 3 TONS PER ACRE DOLOMITE LIMESTONE (12 LBS./1,000 SQ. FT.) AND 1,000 LBS. PER ACRE 10-10-10 FERTILIZER (14 LBS./1,000 SQ. FT.) BEFORE SEEDING. HARRON OR DISK INTO UPPER THREE INCHES OF SOIL. AT TIME OF SEEDING, APPLY 400 LBS. PER ACRE 90-0-0 UREAFORM FERTILIZER (4 LBS./1,000 SQ. FT.)

2) ACCEPTABLE- APPLY 2 TONS PER ACRE DOLOMITE LIMESTONE (12 LBS./1,000 SQ. FT.) AND 1,000 LBS. PER ACRE 10-10-10 FERTILIZER (14 LBS./1,000 SQ. FT.) BEFORE SEEDING. HARRON OR DISK INTO UPPER THREE INCHES OF SOIL.

SEEDING: FOR PERIODS MARCH 1 THROUGH APRIL 30 AND AUGUST 1 THROUGH OCTOBER 15, SEED WITH 2-1/2 BUSHEL PER ACRE OF ANNUAL RYE (2 LBS./1,000 SQ. FT.) FOR THE PERIOD OF MAY 1 THROUGH AUGUST 15, SEED WITH 3 LBS PER ACRE OF PERENNIAL LOVEGRASS (0.7 LBS./1,000 SQ. FT.) FOR THE PERIOD OF NOVEMBER 15 THROUGH NOVEMBER 28, PROTECT SITE BY APPLYING 2 TONS PER ACRE OF WELL-ANCHORED STRAW MULCH AND NEED AS SOON AS POSSIBLE IN THE SPRING, OR USE SO2.

MULCHING- APPLY 1-1/2 TO 2 TONS PER ACRE (10 TO 40 LBS./1,000 SQ. FT.) OF UNCRIPPED FREE FREE SMALL GRASS STRAW IMMEDIATELY AFTER SEEDING. ANCHOR MULCH IMMEDIATELY AFTER SEEDING BY USING MULCH ANCHORING TOOL OR 2 1/2 GAL PER ACRE (9 GAL/1,000 SQ. FT.) OF EMULSIFIED ASPHALT ON FLAT AREAS OR SLOPES OR 3 FEET OR HIGHER, USE 3/4 GAL PER ACRE (6 GAL/1,000 SQ. FT.) FOR ANCHORING.

MAINTENANCE- INSPECT ALL SEEDING AREAS AND MAKE NEEDED REPAIRS, REPLACEMENTS AND RESEEDING.

TEMPORARY SEEDING NOTES

APPLY TO GRADED OR CLEARED AREAS LIKELY TO BE REDISTURBED WHERE A SHORT TERM VEGETATIVE COVER IS NEEDED.

NEEDED 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./1,000 SQ. FT.)

SEEDING: FOR PERIODS MARCH 1 THROUGH APRIL 30 AND AUGUST 15 THROUGH OCTOBER 15, SEED WITH 2-1/2 BUSHEL PER ACRE OF ANNUAL RYE (2 LBS./1,000 SQ. FT.) FOR THE PERIOD OF MAY 1 THROUGH AUGUST 15, SEED WITH 3 LBS PER ACRE OF PERENNIAL LOVEGRASS (0.7 LBS./1,000 SQ. FT.) FOR THE PERIOD OF NOVEMBER 15 THROUGH NOVEMBER 28, PROTECT SITE BY APPLYING 2 TONS PER ACRE OF WELL-ANCHORED STRAW MULCH AND NEED AS SOON AS POSSIBLE IN THE SPRING, OR USE SO2.

MULCHING- APPLY 1-1/2 TO 2 TONS PER ACRE (10 TO 40 LBS./1,000 SQ. FT.) OF UNCRIPPED FREE FREE SMALL GRASS STRAW IMMEDIATELY AFTER SEEDING. ANCHOR IMMEDIATELY AFTER SEEDING BY USING MULCH ANCHORING TOOL OR 2 1/2 GAL PER ACRE (9 GAL/1,000 SQ. FT.) OF EMULSIFIED ASPHALT ON FLAT AREAS OR SLOPES OR 3 FEET OR HIGHER, USE 3/4 GAL PER ACRE (6 GAL/1,000 SQ. FT.) FOR ANCHORING.

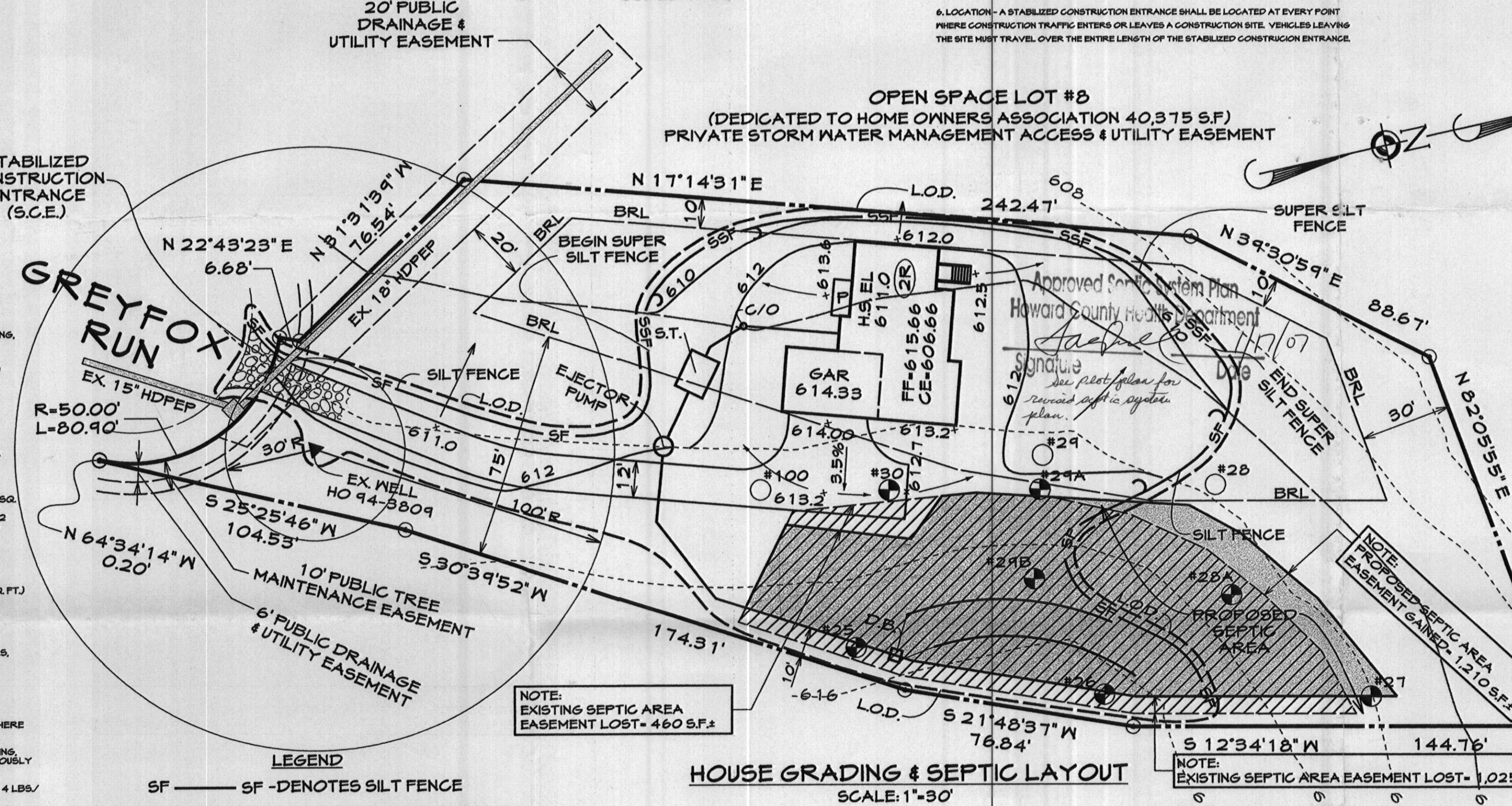
REFER TO THE 1989 MARYLAND STANDARDS AND SPECIFICATIONS FOR SOIL EROSION AND SEDIMENT CONTROL FOR ADDITIONAL RATES AND METHODS NOT COVERED.

SEPTIC SYSTEM NOTES

1. SEPTIC EASEMENT SUBJECT TO HOWARD COUNTY HEALTH DEPARTMENT NO. 2.
2. PROPOSED 1,250 GALLON SEPTIC TANK.
3. A. FIRST FLOOR ELEVATION: 613.6'
4. B. BASEMENT ELEVATION: 606.6'
5. C. INVERT OF SEPTIC SYSTEM AT HOUSE: 611.0'
6. D. INVERT AT SEPTIC TANK: 610.2'
7. E. INVERT OUT AT SEPTIC TANK: 604.7'
8. F. PROPOSED GRADE OVER SEPTIC TANK: 612.0'
9. G. INVERT AT DISTRIBUTION BOX: 613.5'
10. H. EXISTING GROUND OVER DISTRIBUTION BOX: 615.5'
11. I. EXISTING GROUND OVER SEPTIC TANK: 615.5'
12. J. INVERT AT PUMP CHAMBER: 604.4'
13. K. CONTRACTOR/BUILDER TO VERIFY ELEVATIONS IN FIELD BEFORE BEGINNING ANY CONSTRUCTION.
14. BUILDER TO VERIFY AVAILABILITY OF BASEMENT SEWER SERVICE PRIOR TO DWELLING TAKEOUT.

PUMP CHAMBER NOTES

1. PUMP CHAMBER SUBJECT TO HOWARD COUNTY HEALTH DEPT. NO. 2.
2. PROPOSED 1,250 GALLON CHAMBER.
3. INVERT AT PUMP CHAMBER: 604.4'
4. INVERT OUT OF PUMP CHAMBER: 604.4'
5. PROPOSED GRADE OVER PUMP CHAMBER: 611.0'



HOUSE GRADING & SEPTIC LAYOUT SCALE: 1"=30'

- LEGEND**
- SF - DENOTES SILT FENCE
 - SSF - DENOTES SUPER SILT FENCE
 - [Symbol] - DENOTES STABILIZED CONSTRUCTION ENTRANCE (S.C.E.)
 - L.O.D. - DENOTES L.O.D. LIMIT OF DISTURBANCE
 - H.S. - DENOTES HUNG SEWER
 - [Symbol] - DENOTES TOTAL PROPOSED SEPTIC AREA EASEMENT = 10,145 SF. ±
 - [Symbol] - DENOTES APPROVED SEPTIC AREA EASEMENT = 10,420 SF. ± FROM APPROVED PERCOLATION CERTIFICATION PLAN DATED: 5-14-03
 - [Symbol] - DENOTES APPROVED PERC HOLE LOCATIONS
 - [Symbol] - DENOTES MARGINAL PERC HOLE LOCATIONS

NOTE: "The existing well(s) shown on this plan (identified with the attached well tag number ex. HO 94-3809) has been field located by Carroll Land Services Inc. professional land surveyor(s) and is accurately shown."

APPROVED FOR PRIVATE WATER AND SEWAGE SYSTEMS, HOWARD COUNTY HEALTH DEPARTMENT

Robert Wade
 COUNTY HEALTH OFFICER

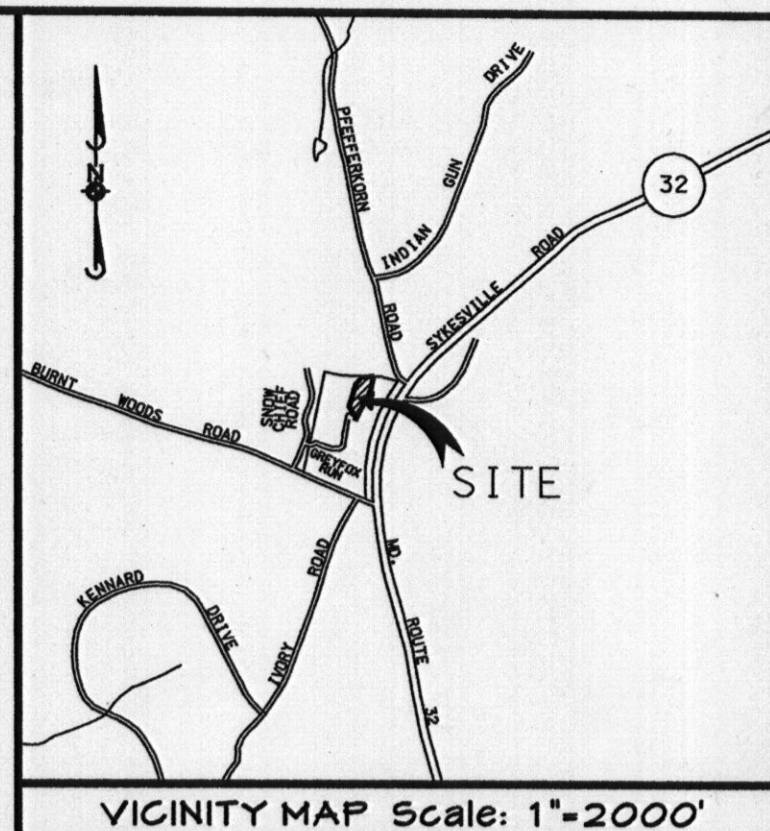
1/17/07 DATE

REVISED PERCOLATION CERTIFICATION PLAN AND PLAN TO ACCOMPANY APPLICATION FOR BUILDING PERMIT

PLOT PLAN
 LOT 7
 18711 GREYFOX RUN
 3RD ELECTION DISTRICT, HOWARD COUNTY, MD.
 PLAT NO. 17124

BUILDING SETBACKS

FRONT	7.5'
SIDE	10'
REAR	30'

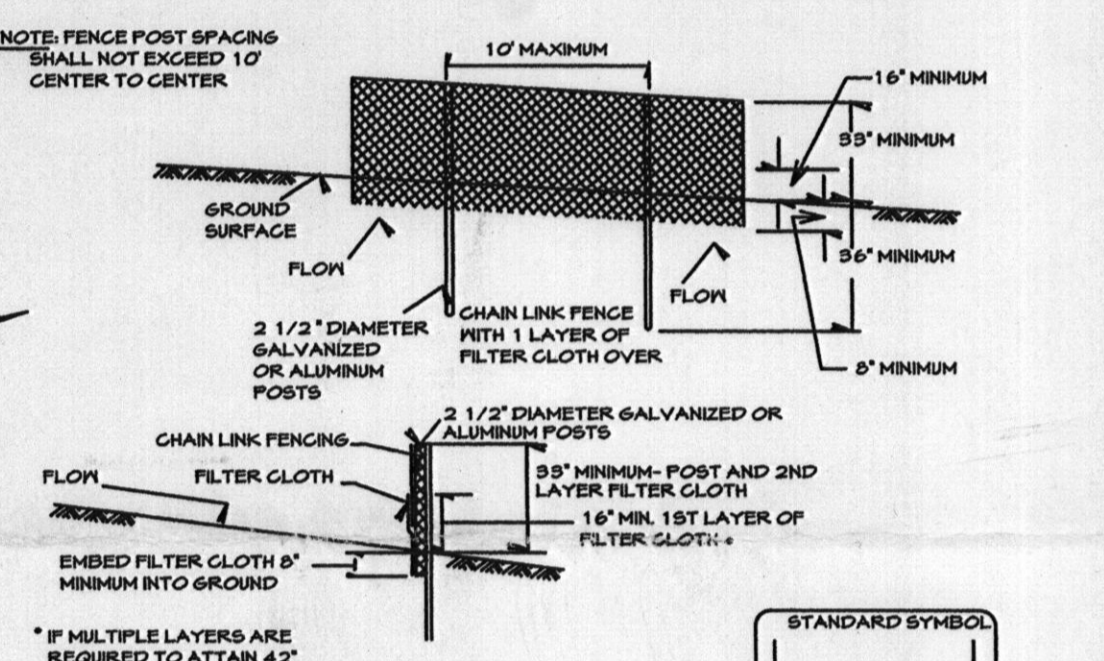


VICINITY MAP Scale: 1"=2000'

GENERAL NOTES

1. THIS AREA DESIGNATES A PRIVATE SEWERAGE EASEMENT AT LEAST 10,000 SQUARE FEET AS REQUIRED BY THE MARYLAND STATE DEPARTMENT OF THE ENVIRONMENT FOR INDIVIDUAL SEWERAGE DISPOSAL IMPROVEMENTS OF ANY NATURE IN THIS AREA ARE RESTRICTED UNTIL PUBLIC SEWERAGE IS AVAILABLE. THESE EASEMENTS SHALL BECOME NULL AND VOID UPON CONNECTION TO A PUBLIC SEWERAGE SYSTEM. THE COUNTY HEALTH OFFICER SHALL HAVE THE AUTHORITY TO GRANT ADJUSTMENTS TO THE PRIVATE SEWERAGE EASEMENT. RECORDATION OF A MODIFIED SEWERAGE EASEMENT SHALL NOT BE NECESSARY.
2. THE LOT SHOWN HEREON COMPLIES WITH THE MINIMUM OWNERSHIP WIDTH AND LOT AREA AS REQUIRED BY THE MARYLAND STATE DEPARTMENT OF THE ENVIRONMENT.
3. EXISTING WELLS AND/OR SEWERAGE EASEMENTS WITHIN 100 FEET OF THE PROPERTY HAVE BEEN SHOWN FROM THE BEST AVAILABLE INFORMATION.
4. ALL HOUSE SITES SHOWN COMPLY WITH MINIMUM BUILDING RESTRICTION REGULATIONS.
5. ALL WELLS SHALL BE DRILLED PRIOR TO FINAL PLAT RECORDATION. IT IS THE DEVELOPERS RESPONSIBILITY TO SCHEDULE THE WELL DRILLING PRIOR TO FINAL PLAT SUBMISSION. IT WILL NOT BE CONSIDERED GOVERNMENT DELAY IF THE WELL DRILLING HOLDS-UP THE HEALTH DEPARTMENT SIGNATURE OF THE RECORD PLAT.

DETAIL 33 - SUPER SILT FENCE



DETAIL 33 - SUPER SILT FENCE

CONSTRUCTION SPECIFICATIONS

- FENCES SHALL BE 42" IN HEIGHT AND CONSTRUCTED IN ACCORDANCE WITH THE LATEST MARYLAND STATE HIGHWAY DETAILS FOR CHAIN LINK FENCING. THE SPECIFICATION FOR A 6" FENCE SHALL BE USED, SUBSTITUTING 42" FABRIC AND 6" LENGTH POSTS.
1. THE POLES DO NOT NEED TO SET IN CONCRETE.
 2. CHAIN LINK FENCE SHALL BE FASTENED SECURELY TO THE FENCE POSTS WITH WIRE TIES. THE LOWER TENSION WIRE, BRACE AND TRUSS RODS, DRIVE ANCHORS AND POST CAPS ARE NOT REQUIRED EXCEPT ON THE ENDS OF THE FENCE.
 3. FILTER CLOTH SHALL BE FASTENED SECURELY TO THE CHAIN LINK FENCE WITH TIES SPACED EVERY 24" AT THE TOP AND MID SECTION.
 4. FILTER CLOTH SHALL BE EMBEDDED A MINIMUM OF 8" INTO THE GROUND.
 5. WHEN TWO SECTIONS OF FILTER CLOTH ADJOIN EACH OTHER, THEY SHALL BE OVERLAPPED BY 6" AND FOLDED.
 6. MAINTENANCE SHALL BE PERFORMED AS NEEDED AND SILT BUILDUPS REMOVED WHEN "BALDES" DEVELOP IN THE SILT FENCE, OR WHEN SILT REACHES 50% OF FENCE HEIGHT.
 7. FILTER CLOTH 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:

DESIGN CRITERIA

SLOPE	SLOPE STEEPNESS	SLOPE LENGTH SILT FENCE LENGTH (MAXIMUM)	(MAXIMUM)
0-10%	0-10:1	UNLIMITED	UNLIMITED
10-20%	10:1-5:1	200 FEET	1,500 FEET
20-35%	5:1-3:1	100 FEET	1,000 FEET
35-50%	3:1-2:1	100 FEET	500 FEET
50%+	2:1-1:1	50 FEET	250 FEET

TENSILE STRENGTH 50 LBS./IN (MIN.) TEST: HMT 504
TENSILE MODULUS 20 LBS./IN (MIN.) TEST: HMT 504
FLOOR RATE 0.9 GAL/FT² (MINIMUM MAX.) TEST: HMT 922
FILTERING EFFICIENCY 75% (MIN.) TEST: HMT 922

DESIGN CRITERIA

SLOPE	SLOPE STEEPNESS	SLOPE LENGTH SILT FENCE LENGTH (MAXIMUM)	(MAXIMUM)
0-10%	0-10:1	UNLIMITED	UNLIMITED
10-20%	10:1-5:1	200 FEET	1,500 FEET
20-35%	5:1-3:1	100 FEET	1,000 FEET
35-50%	3:1-2:1	100 FEET	500 FEET
50%+	2:1-1:1	50 FEET	250 FEET

BUILDING PERMIT #B06006945

DATE	REVISIONS	JEP
5/22/06	RESITE NEW HOUSE & GRADES	JEP
12/14/06	ADDED REV. PERCOLATION CERT. & PLAN IV NOTES ETC. AS PER HOWARD CO.	JEP
1/8/07	REVISED PERCOLATION PLAN AS PER H.C.C. RELOCATED HOUSE & REVISED GRADES	JEP

CLSI
 Civil Engineering & Environmental Consultants
 www.clsi-civileng.com

FREDERICK OFFICE:
 5711 Pegasus Court, Suite B
 Frederick, MD 21704-8378
 (301) 662-7799
 FAX (301) 662-8004

WESTMINSTER OFFICE:
 439 East Main Street
 Westminster, MD 21157-5539
 (410) 848-1799
 FAX (410) 848-1791

Professional Engineer Registration No. 24-446
 Date: 4/28/09
 Drawing No: 3009009
 County File No.