

Permits: 410-313-2455
 Inspections: 410-313-1810
 Automated Line: 410-313-3800

Howard County Building/Fire Permit Application
 Department of Inspections, Licenses & Permits
 3430 Court House Drive
 Ellicott City, MD 21043

Permit Number:

B12001962

Building Address: 3355 Route 97
OLANWOOD MD 21738
 Suite/Apt. # _____ SDP/WP/BA #: _____
 Census Tract: _____ Subdivision: _____
 Section: _____ Area: _____ Lot: _____
 Tax Map: 21 Parcel: 140 Grid: 3 grid 4
 Zoning: _____ Map Coordinates: _____ Lot Size: _____

Existing Use: SFD
 Proposed Use: _____
 Estimated Construction Cost: \$3,000
 Description of Work: Install 1 1000 gallon propane tank under ground
 Occupant or Tenant: _____
 Was tenant space previously occupied? Yes No
 Contact Name: _____
 Address: _____
 City: _____ State: _____ Zip Code: _____
 Phone: _____ Fax: _____
 Email: _____

Property Owner's Name: Chris Lopes
 Address: 3355 Route 97
 City: OLANWOOD State: MD Zip Code: 21738
 Home Phone: 410 574 1620 Work Phone: 240-238-1244
 Applicant's Name & Mailing Address, (If other than stated herein): _____
 Phone: _____ Fax: _____
 Email: _____

Contractor Company: United propane
 Contact Person: Ron Wood
 Address: 4987 Winchester Blvd
 City: FREDERICK State: MD Zip Code: 21703
 License No.: 60189
 Phone: 443-871-5190 Fax: 240-649-0195
 Email: Rwood@Unitedpropane.com

Engineer/Architect Company: _____
 Responsible Design Prof.: _____
 Address: _____
 City: _____ State: _____ Zip Code: _____
 Phone: _____ Fax: _____
 Email: _____

BUILDING DESCRIPTION - COMMERCIAL	
Building Characteristics	Utilities
Height:	<u>Water Supply</u>
No. of stories:	<input type="checkbox"/> Public
Gross area, sq. ft./floor:	<input type="checkbox"/> Private
	<u>Sewage Disposal</u>
Area of construction (sq. ft.):	<input type="checkbox"/> Public
	<input type="checkbox"/> Private
Use group:	Electric: <input type="checkbox"/> Yes <input type="checkbox"/> No
	Gas: <input type="checkbox"/> Yes <input type="checkbox"/> No
<u>Construction type:</u>	<u>Heating System</u>
<input type="checkbox"/> Reinforced Concrete	<input type="checkbox"/> Electric <input type="checkbox"/> Oil
<input type="checkbox"/> Structural Steel	<input type="checkbox"/> Natural Gas <input type="checkbox"/> Propane Gas
<input type="checkbox"/> Masonry	<u>Sprinkler System:</u>
<input type="checkbox"/> Wood Frame	<input type="checkbox"/> N/A
<input type="checkbox"/> State Certified Modular	<input type="checkbox"/> Full
<input checked="" type="checkbox"/> <u>Roadside Tree Project Permit</u>	<input type="checkbox"/> Partial
<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	<input type="checkbox"/> Other Suppression
<u>Roadside Tree Project Permit #</u>	No. of Heads: _____

BUILDING DESCRIPTION - RESIDENTIAL	
Building Characteristics	Utilities
<input type="checkbox"/> SF Dwelling <input type="checkbox"/> SF Townhouse	<u>Water Supply</u>
<u>Depth</u> <u>Width</u>	<input type="checkbox"/> Public
1 st floor:	<input checked="" type="checkbox"/> Private
2 nd floor:	<u>Sewage Disposal</u>
Basement:	<input type="checkbox"/> Public
<input type="checkbox"/> Finished Basement	<input checked="" type="checkbox"/> Private
<input type="checkbox"/> Unfinished Basement	Electric: <input type="checkbox"/> Yes <input type="checkbox"/> No
<input type="checkbox"/> Crawl Space	Gas: <input type="checkbox"/> Yes <input type="checkbox"/> No
<input type="checkbox"/> Slab on Grade	<u>Heating System</u>
No. of Bedrooms:	<input type="checkbox"/> Electric
<u>Multi-family Dwelling</u>	<input type="checkbox"/> Oil
No. of efficiency units:	<input type="checkbox"/> Natural Gas
No. of 1 BR units:	<input type="checkbox"/> Propane Gas
No. of 2 BR units:	
No. of 3 BR units:	
Other Structure:	
Dimensions:	
Footings:	<input checked="" type="checkbox"/> <u>Roadside Tree Project Permit</u>
Roof:	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
<input type="checkbox"/> State Certified Modular	<u>Roadside Tree Project Permit #</u>
<input type="checkbox"/> Manufactured Home	

THE UNDERSIGNED HEREBY CERTIFIES AND AGREES AS FOLLOWS: (1) THAT HE/SHE IS AUTHORIZED TO MAKE THIS APPLICATION; (2) THAT THE INFORMATION IS CORRECT; (3) THAT HE/SHE WILL COMPLY WITH ALL REGULATIONS OF HOWARD COUNTY WHICH ARE APPLICABLE THERETO; (4) THAT HE/SHE WILL PERFORM NO WORK ON THE ABOVE REFERENCED PROPERTY NOT SPECIFICALLY DESCRIBED IN THIS APPLICATION; (5) THAT HE/SHE GRANTS COUNTY OFFICIALS THE RIGHT TO ENTER ONTO THIS PROPERTY FOR THE PURPOSE OF INSPECTING THE WORK PERMITTED AND POSTING NOTICES.

Applicant's Signature: [Signature]

Print Name: ALVIN GARRETT

Date: 6/19/12

RECEIVED

JUN 08 2012

Email Address: V.P.
 Title/Company: _____

LICENSES & PERMITS DIVISION

Checks Payable to: DIRECTOR OF FINANCE OF HOWARD COUNTY

PLEASE WRITE NEATLY & LEGIBLY

-FOR OFFICE USE ONLY-

AGENCY	DATE	SIGNATURE OF APPROVAL
State Highways		
Building Officials		
PSZA (Zoning)		
PSZA (Engineering)		
Health	<u>6/19/12</u>	<u>[Signature]</u>
Fire Protection		

DPZ SETBACK INFORMATION	
Front:	
Rear:	
Side:	
Side St.:	
All minimum setbacks met?	<input type="checkbox"/> Yes <input type="checkbox"/> No
Is Entrance Permit Required?	<input type="checkbox"/> Yes <input type="checkbox"/> No
Historic District?	<input type="checkbox"/> Yes <input type="checkbox"/> No
Lot Coverage for New Town Zone:	
SDP/Red-line approval date:	

Filing Fee	\$ <u>110.00</u>
Permit Fee	\$
Tech Fee	\$
Excise Tax	\$
PSFS	\$
Guaranty Fund	\$
Add'l per Fee	\$
Total Fees	\$
Sub-Total Paid	\$
Balance Due	\$

Check 1202

Distribution of Copies: White: Building Officials Green: PSZA, Zoning Yellow: PSZA, Engineering Pink: Health Gold: SHA

Permits: 410-313-2455
 Inspections: 410-313-1810
 Automated Line: 410-313-3800

Howard County Building/Fire/Permit Application
 Department of Inspections, Licenses & Permits
 3430 Court House Drive
 Ellicott City, MD 21043

Permit Number:

B12000578

Problem Address

Building Address: 3355 Route 97
Glenwood MD 21738

Suite/Apt. # _____ SDP/WP/BA #: _____

Census Tract: _____ Subdivision: _____

Section: _____ Area: _____ Lot: 6

Tax Map: 0021 Parcel: 0140 Grid: 0010

Zoning: NS Map Coordinates: _____ Lot Size: 3.49ac

Existing Use: Undeveloped Lot

Proposed Use: Single Family Home

Estimated Construction Cost: \$ 300,000

Description of Work: Build new single family home

Occupant or Tenant: _____

Was tenant space previously occupied? Yes No

Contact Name: Property Owner (SEE ABOVE)

Address: _____

City: _____ State: _____ Zip Code: _____

Phone: _____ Fax: _____

Email: _____

Property Owner's Name: Chris Lopes

Address: 6525 Meadows Field Ct

City: Elkridge State: MD Zip Code: 21075

Home Phone: 410-579-1620 Work Phone: 410-579-1620

Applicant's Name & Mailing Address, (if other than stated herein): _____

Phone: _____ Fax: _____

Email: lopes1211@verizon.net

Contractor Company: Classic Homes Of MD

Contact Person: Jim Mead

Address: 50 W. Edmunston Dr. Suite 405

City: Rockville State: MD Zip Code: 20852

License No.: MHBR 5421 - BC 3900

Phone: 301-251-2001 EXT. 311

Email: jim@classicmd.net

Engineer/Architect Company: Classic Homes of MD

Responsible Design Prof.: _____

Address: see above

City: _____ State: _____ Zip Code: _____

Phone: _____ Fax: _____

Email: _____

BUILDING DESCRIPTION - COMMERCIAL	
Building Characteristics	Utilities
Height:	<u>Water Supply</u>
No. of stories:	<input type="checkbox"/> Public
Gross area, sq. ft./floor:	<input type="checkbox"/> Private
Area of construction (sq. ft.):	<u>Sewage Disposal</u>
Use group:	<input type="checkbox"/> Public
	<input type="checkbox"/> Private
	Electric: <input type="checkbox"/> Yes <input type="checkbox"/> No
	Gas: <input type="checkbox"/> Yes <input type="checkbox"/> No
<u>Construction type:</u>	<u>Heating System</u>
<input type="checkbox"/> Reinforced Concrete	<input type="checkbox"/> Electric <input type="checkbox"/> Oil
<input type="checkbox"/> Structural Steel	<input type="checkbox"/> Natural Gas <input type="checkbox"/> Propane Gas
<input type="checkbox"/> Masonry	<u>Sprinkler System:</u>
<input type="checkbox"/> Wood Frame	<input type="checkbox"/> N/A
<input type="checkbox"/> State Certified Modular	<input type="checkbox"/> Full
<input checked="" type="checkbox"/> Roadside Tree Project Permit	<input type="checkbox"/> Partial
<input type="checkbox"/> Yes <input type="checkbox"/> No	<input type="checkbox"/> Other Suppression
Roadside Tree Project Permit #	No. of Heads:

BUILDING DESCRIPTION - RESIDENTIAL	
Building Characteristics	Utilities
<input checked="" type="checkbox"/> SF Dwelling <input type="checkbox"/> SF Townhouse	<u>Water Supply</u>
Depth: <u>61'</u> Width: <u>74'</u>	<input type="checkbox"/> Public
1 st floor: <u>61'</u> 74'	<input checked="" type="checkbox"/> Private
2 nd floor: <u>N/A</u>	<u>Sewage Disposal</u>
Basement: <u>61'</u> 74'	<input type="checkbox"/> Public
<input type="checkbox"/> Finished Basement	<input checked="" type="checkbox"/> Private
<input checked="" type="checkbox"/> Unfinished Basement	Electric: <input type="checkbox"/> Yes <input type="checkbox"/> No
<input type="checkbox"/> Crawl Space	Gas: <input type="checkbox"/> Yes <input type="checkbox"/> No
<input type="checkbox"/> Slab on Grade	<u>Heating System</u>
No. of Bedrooms:	<input type="checkbox"/> Electric
<u>Multi-family Dwelling</u>	<input type="checkbox"/> Oil
No. of efficiency units:	<input checked="" type="checkbox"/> Natural Gas <u>TSD</u>
No. of 1 BR units:	<input checked="" type="checkbox"/> Propane Gas <u>TBD</u>
No. of 2 BR units:	
No. of 3 BR units:	
Other Structure:	
Dimensions:	
Footings:	<input checked="" type="checkbox"/> Roadside Tree Project Permit
Roof:	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
<input type="checkbox"/> State Certified Modular	Roadside Tree Project Permit #
<input type="checkbox"/> Manufactured Home	

THE UNDERSIGNED HEREBY CERTIFIES AND AGREES AS FOLLOWS: (1) THAT HE/SHE IS AUTHORIZED TO MAKE THIS APPLICATION; (2) THAT THE INFORMATION IS CORRECT; (3) THAT HE/SHE WILL COMPLY WITH ALL REGULATIONS OF HOWARD COUNTY WHICH ARE APPLICABLE THERE TO; (4) THAT HE/SHE WILL PERFORM NO WORK ON THE ABOVE REFERENCED PROPERTY NOT SPECIFICALLY DESCRIBED IN THIS APPLICATION; (5) THAT HE/SHE GRANTS COUNTY OFFICIALS THE RIGHT TO ENTER ONTO THIS PROPERTY FOR THE PURPOSE OF INSPECTING THE WORK PERMITTED AND POSTING NOTICES.

Applicant's Signature: Christopher Lopes Print Name: Christopher Lopes

LOPES 1211@Verizon.NET Email Address: _____ Date: 2/28/12

_____ Title/Company: Owner

Checks payable to: DIRECTOR OF FINANCE OF HOWARD COUNTY
 PLEASE WRITE NEATLY & LEGIBLY
 -FOR OFFICE USE ONLY-

AGENCY	DATE	SIGNATURE OF APPROVAL
State Highways		
Building Officials		
PSZA (Zoning)		
PSZA (Engineering)		
Health	<u>3/8/12</u>	<u>Nevele Scott</u>
Fire Protection		

Sediment Control approval required for issuance? Yes No
 CONTINGENCY CONSTRUCTION START
 ONE STOP SHOP

DPZ SETBACK INFORMATION

Front: _____

Rear: _____

Side: _____

Slide St.: _____

All minimum setbacks met? Yes No

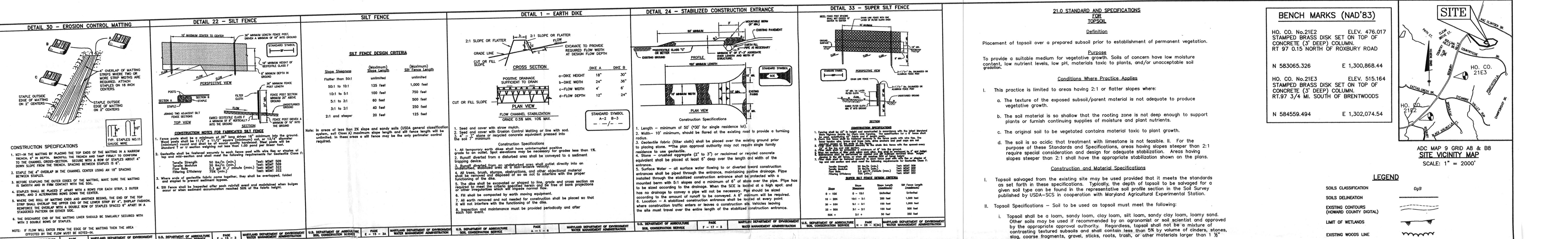
Is Entrance Permit Required? Yes No

Historic District? Yes No

Lot Coverage for New Town Zone: _____

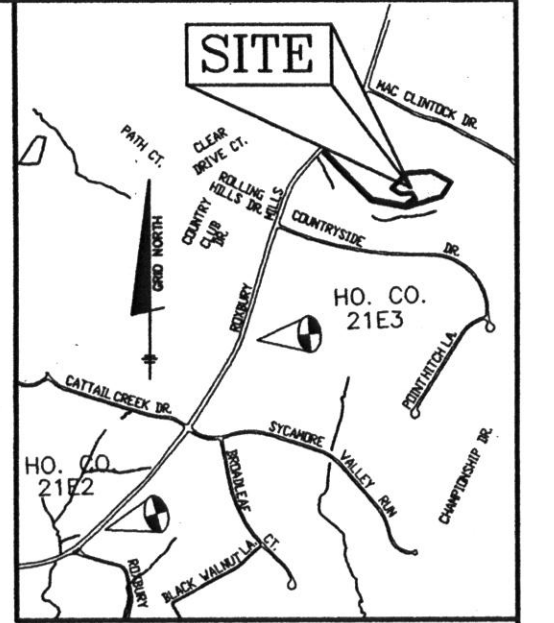
SDP/Red-line approval date: _____

Filing Fee	\$ <u>150.00</u>
Permit Fee	\$
Tech Fee	\$
Excise Tax	\$
PSFS	\$
Guaranty Fund	\$
Add'l per Fee	\$
Total Fees	\$
Sub-Total Paid	\$
Balance Due	\$



BENCH MARKS (NAD'83)

HO. CO. No. 21E2 STAMPED BRASS DISK SET ON TOP OF CONCRETE (3" DEEP) COLUMN. RT. 97 0.15 NORTH OF ROXBURY ROAD.	ELEV. 476.017
N 583065.326	E 1,300,868.44
HO. CO. No. 21E3 STAMPED BRASS DISK SET ON TOP OF CONCRETE (3" DEEP) COLUMN. RT. 97 3/4 MI. SOUTH OF BRENTWOODS	ELEV. 515.164
N 584559.494	E 1,302,074.54



21.0 STANDARD AND SPECIFICATIONS FOR TOPSOIL

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

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

Conditions Where Practice Applies:

- This practice is limited to areas having 2:1 or flatter slopes where:
 - The texture of the exposed subsoil/parent material is not adequate to produce vegetative growth.
 - 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.
 - The original soil to be vegetated contains material toxic to plant growth.
 - The soil is so acidic that treatment with limestone is not feasible. If, 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.

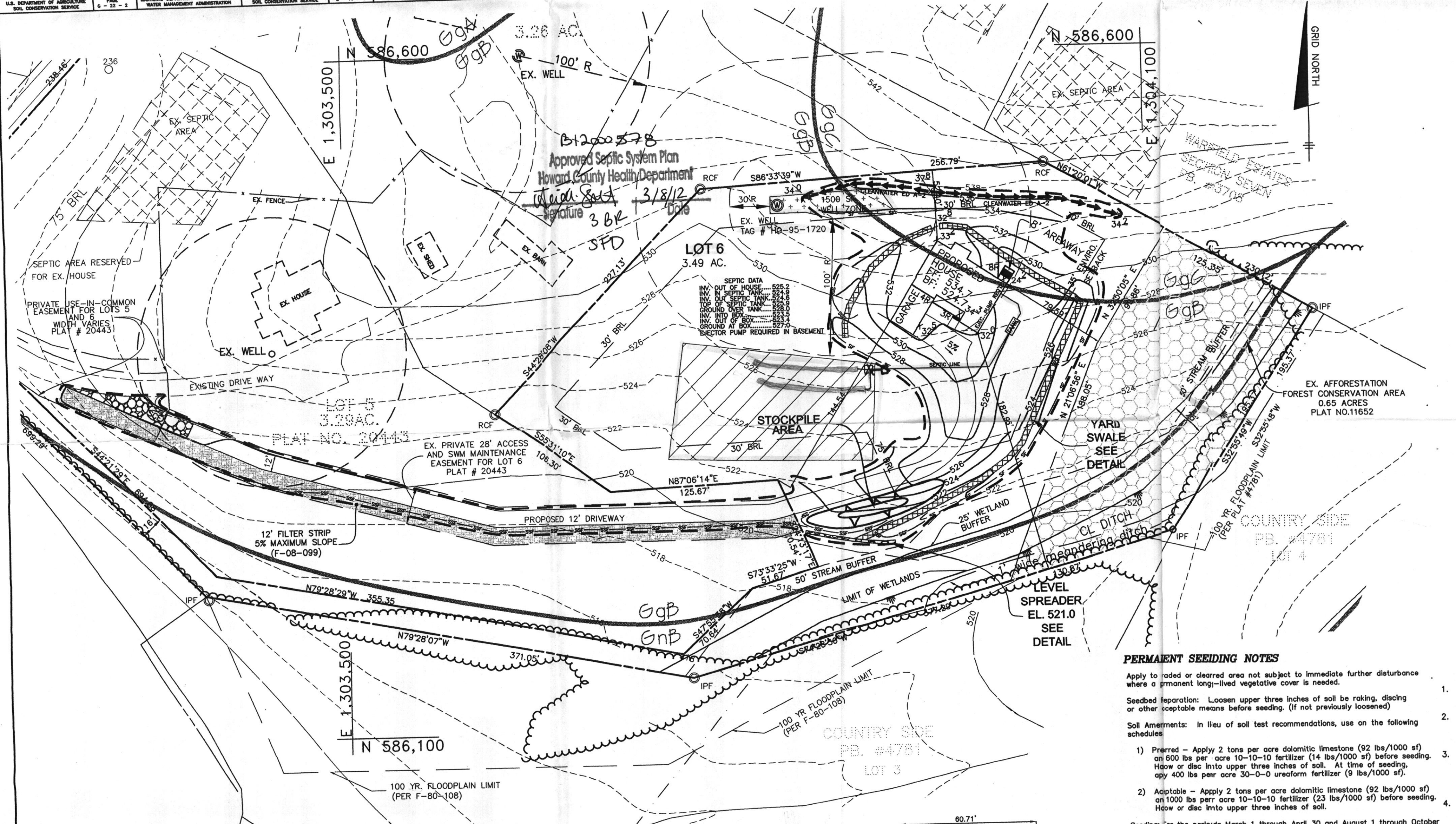
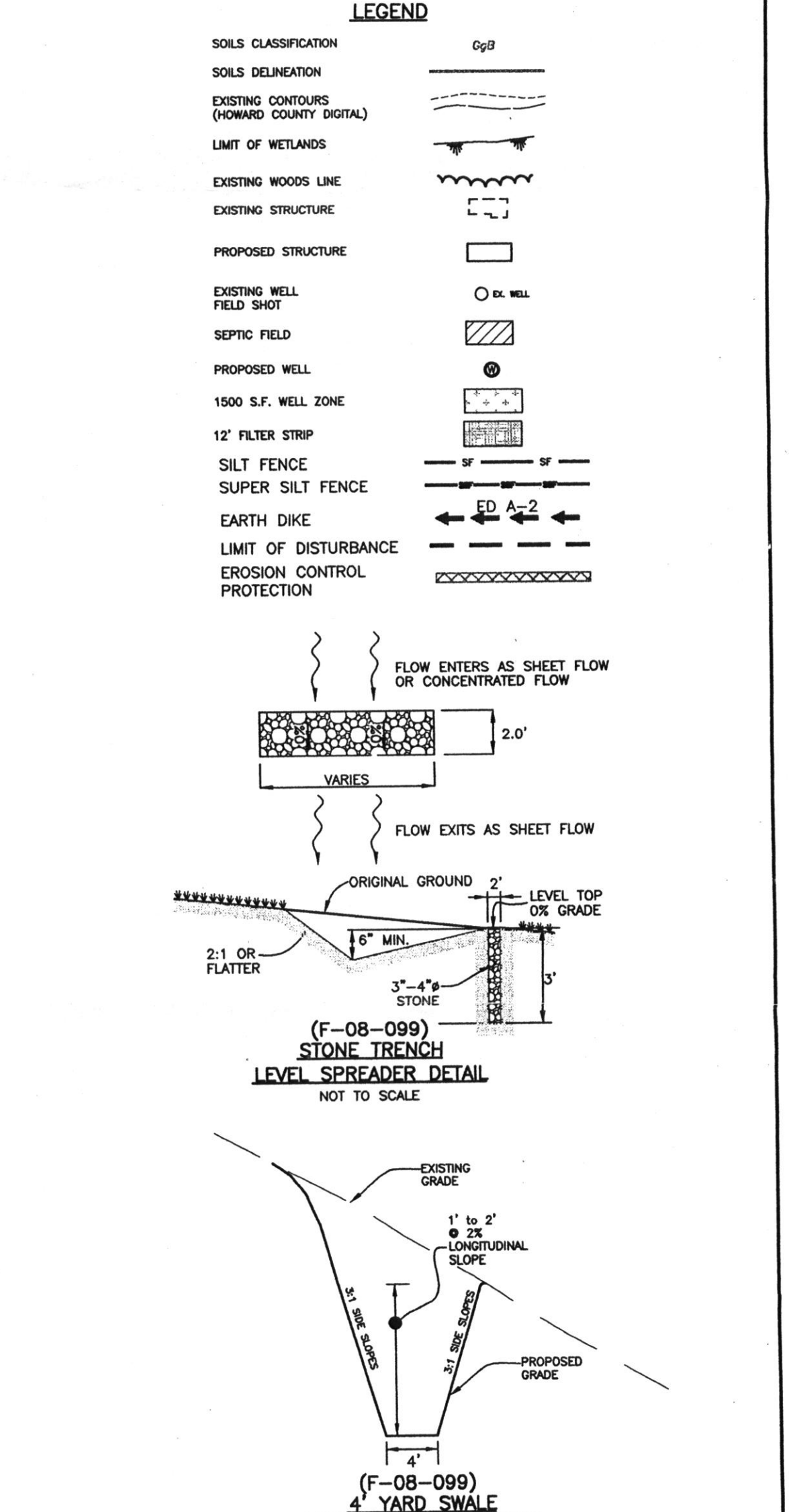
Construction and Material Specifications:

- Topsoil advanced from the existing site may be used provided that it meets the standards as 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 section in the Soil Survey published by USDA-SCS in cooperation with Maryland Agricultural Experiment Station.
- Topsoil Specifications - Soil to be used as topsoil must meet the following:
 - 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 authority. Regardless, topsoil shall not be a mixture of contrasting textured subsoils and soil contains less than 5% by volume of cinders, stones, slag, coarse fragments, roots, sticks, trash, or other materials larger than 1/2" in diameter.
 - Topsoil must be free of plants or plant parts such as Bermuda grass, quack grass, Johnson grass, nutgrass, poison ivy, thistle, or others as specified.
 - Where the subsoil is either highly acidic or composed of heavy clay, ground limestone shall be spread at the rate of 4-8 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 procedures.
- For sites having disturbed areas under 5 acres:
 - Place topsoil (if required) and apply soil amendments as specified in 20.0 Vegetative Stabilization - Section 1 - Vegetative Stabilization Methods and Materials.
- For sites having disturbed areas over 5 acres:
 - On soil meeting topsoil specifications, obtain test results dictating fertilizer and lime amendments required to bring the soil into compliance with the following:
 - 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.
 - Organic content of topsoil shall be not less than 1.5 percent by weight.
 - Topsoil having soluble salt content greater than 500 parts per million shall not be used.
 - 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 phytotoxic materials.

Notes:

- Topsoil substitutes or amendments, as recommended by a qualified agronomist or soil scientist and approved by the appropriate authority, may be used in lieu of natural topsoil.
- Place topsoil (if required) and apply soil amendments as specified in 20.0 Vegetative Stabilization - Section 1 - Vegetative Stabilization Methods and Materials.
- Topsoil Application
 - When topsoiling, maintain needed erosion and sediment control practices such as diversion, Grade Stabilization Structures, Earth Dikes, Slope Silt Fence and Sediment Traps and Basins.
 - Grades on the areas to be topsoiled, which have been previously established, shall be maintained, albeit 4" - 6" higher in elevation.
 - 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 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.
 - Topsoil shall not be placed while the topsoil or subsoil is a frozen or muddy condition, when the subsoil is excessively wet or in a condition that may otherwise be detrimental to proper grading and seeded preparation. C-21-2
 - Alternative for Permanent Seeding - Instead of applying the full amounts of lime and commercial fertilizer, composted sludge and amendments may be applied as specified below:
 - Composted Sludge Material for use as a soil conditioner for sites having disturbed areas over 5 acres shall conform to the following requirements:
 - 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.
 - 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. If compost does not meet these requirements, the appropriate constituents must be added to meet the requirements prior to use.
 - Composted sludge shall be applied at a rate of 1 ton/1,000 square feet.
 - Composted sludge shall be amended with a potassium fertilizer applied at the rate of 4 lb/1,000 square feet, and 1/3 the normal lime application rate.

References: Guideline Specifications, Soil Preparation and Sodding, MD-VA, Pub. #1, Cooperative Extension Service, University of Maryland and Virginia Polytechnic Institutes. Revised 1973.



PERMANENT SEEDING NOTES

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

Seeded length: 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 on the following schedules:

- Prerred - Apply 2 tons per acre dolomitic limestone (92 lbs/1000 sf) or 600 lbs per acre 10-10-10 fertilizer (14 lbs/1000 sf) before seeding. How or disc into upper three inches of soil. At time of seeding, apply 400 lbs per acre 30-0-0 ureaform fertilizer (3 lbs/1000 sf).
- Acceptable - Apply 2 tons per acre dolomitic limestone (92 lbs/1000 sf) or 1000 lbs per acre 10-10-10 fertilizer (23 lbs/1000 sf) before seeding. How or disc into upper three inches of soil.

Seeding: For the periods March 1 through April 30 and August 1 through October 15, seed 80 lbs per acre (1.4 lbs/1000 sf) of Kentucky 31 Tall Fescue. For the period May 1 through July 31, seed with 80 lbs Kentucky 31 Tall Fescue per acre and 2 lbs per acre (0.05 lbs/1000 sf) of Weeping Lovegrass. During the period October 16 through February 28, protect site by Option 1) 2 tons per acre well anchored straw mulch and seed as soon as possible in the spring; Option 2) use seed, Option 3) seed with 80 lbs/acre Kentucky 31 Tall Fescue & mulch with 2 tons/acre well anchored straw.

Mulching: Apply 1-1/2 to 2 tons per acre (90 to 120 lbs/1000 sf) of unrattled small grass straw immediately after seeding. Anchor mulch immediately after application with 2 tons per acre of 2 1/2 inch galvanized wire (5 gal/1000 sf) of emulsified asphalt on flat areas. On slopes 8 feet or higher, use 348 gallons per acre (8 gal/1000 sf) for anchoring.

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

SEDIMENT CONTROL NOTES

- A minimum of 48 hours notice must be given to the Howard County Department of Inspections 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 current Maryland Standards and Specifications for Soil Erosion and Sediment Control, and revisions thereto.
- Following initial soil disturbances or redistribution, permanent or temporary erosion control structures shall be installed 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:	3.49 Ac.±
Area to be Disturbed:	1.2 Ac.±
Area to be roofed or paved:	0.3 Ac.±
Area to be vegetatively stabilized:	0.9 Ac.±
Total Cut:	1250 C.Y. SEE NOTE 12
Total Fill:	800 C.Y. SEE NOTE 12

 Offsite Waste/Borrow Area Location: *
- 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 controls must be provided, if deemed necessary by the Howard County DPW 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 can be back filled and stabilized within one working day, whichever is shorter.
- Quantities and estimates shown are for sediment control purposes only. Contractor shall prepare his/her own quantity estimates to his/her satisfaction.
 - It is the responsibility of the contractor to identify the spoil/borrow area and notify and gain approval from the sediment control inspector of the site and its grading permit number at the time of construction.

TEMPORARY SEEDING NOTES

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

Seeded length: 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 sf).

Seeding: For the periods March 1 through April 30 and August 15 through November 30, seed with 2-1/2 bushel per acre of annual ryegrass (3.2 lbs/1000 sf). For the period May 1 through August 14, seed with 3 lbs per acre of Weeping Lovegrass (0.07 lbs/1000 sf). For the period November 16 through February 28, protect site by Option 1) 2 tons per acre 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 (90 to 120 lbs/1000 sf) of unrattled small grass straw immediately after seeding. Anchor mulch immediately after application with 2 tons per acre of 2 1/2 inch galvanized wire (5 gal/1000 sf) of emulsified asphalt on flat areas. On slopes 8 feet or higher, use 348 gallons per acre (8 gal/1000 sf) for anchoring.

Refer to the 1994 Maryland Standards and Specifications for Soil Erosion and Sediment Control for rate and methods not covered.

DRIVEWAY NOTES:

DRIVEWAYS SHALL BE PROVIDED PRIOR TO RESIDENTIAL OCCUPANCY 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 COMPACT CRUSHER RUBBER BASE WITH TAR AND CHIP COATING (1- 1/2" MIN.).
- GEOMETRY - MAXIMUM 15% GRADE, MAXIMUM 10% GRADE CHANGE AND MINIMUM 45' TURNING RADIUS.
- STRUCTURES (CULVERTS/BRIDGES) - CAPABLE OF SUPPORTING 25 GROSS TONS (H25 LOADING).
- DRAINAGE ELEMENTS - CAPABLE OF SAFELY PASSING 100 YEAR FLOODPLAIN WITH NO MORE THAN 1 FOOT DEPTH OVER DRIVEWAY.
- STRUCTURE CLEARANCES - MINIMUM 12 FEET.
- MAINTENANCE - SUFFICIENT TO INSURE ALL WEATHER USE.

SOILS LEGEND

MAP SYMBOL	GROUP	SOIL TYPE
GqB	B	GLENNELG SILT LOAM, 3 TO 8 PERCENT, MODERATELY ERODED
GqC	B	GLENNELG SILT LOAM, 8 TO 15 PERCENT SLOPES, MODERATELY ERODED
*GqB	C	GLENNELG SILT LOAM, 0 TO 8 PERCENT SLOPES

* INDICATES HYDRIC SOILS
TAKEN FROM WEBSOILSURVEY.NRCS.USDA.GOV

ENGINEER'S CERTIFICATE
I HEREBY 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 COUNTY CONSERVATION DISTRICT.
1/20/2012
John K. Robertson

DEVELOPER'S CERTIFICATE
I HEREBY CERTIFY THAT ALL DEVELOPMENT AND CONSTRUCTION WILL BE DONE ACCORDING TO THIS PLAN OF 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 COUNTY CONSERVATION DISTRICT.
1/23/12
John K. Robertson

NOTES:

- THE LOT SHOWN HEREON COMPLIES WITH THE MINIMUM OWNERSHIP WIDTH AND LOT AREA AS REQUIRED BY THE MARYLAND STATE DEPARTMENT OF THE ENVIRONMENT.
- THIS AREA DESIGNATES A PRIVATE SEWERAGE EASEMENT FOR INDIVIDUAL SEWERAGE AS REQUIRED BY THE STATE DEPARTMENT OF THE ENVIRONMENT FOR THE PROPER DISPOSAL OF WASTEWATER AND NATURE IN THIS AREA ARE RESTRICTED UNTIL PUBLIC SEWER 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 SEWERAGE EASEMENTS FOR ENCROACHMENT INTO THE PRIVATE SEWERAGE EASEMENT. RECORDATION OF A MODIFIED SEWERAGE EASEMENT PLAT SHALL NOT BE NECESSARY.
- UNLESS OTHERWISE SHOWN, NO WELLS OR SEWERAGE EASEMENTS ARE LOCATED WITHIN 100 FEET OF THE PROPERTY.
- TOPOGRAPHY SHOWN HEREON IS BASED ON A FIELD SURVEY PREPARED BY BENCHMARK ENGINEERING, INC. DATED DECEMBER, 2011.
- EXACT LENGTH OF SEPTIC TRENCHES ARE TO BE DETERMINED BY THE HEALTH DEPARTMENT AT THE TIME OF PERMIT ISSUANCE.
- SPOIL FROM THE TRENCHING OF THE SEPTIC AREA IS TO BE PLACED ON THE UPHILL SIDE OF THE EXCAVATION.
- SELECTIVE CLEARING OF TREES MAY TAKE PLACE IN THE SEPTIC RESERVE AREA AND AROUND THE SEPTIC PIPE AND TANK.
- THE BOUNDARY INFORMATION IS BASED ON PLAT NUMBER 20443.
- SEPTIC TANK FOR THIS LOT TO BE 2,000 GALLONS.
- STORMWATER MANAGEMENT FOR THIS LOT HAS BEEN PREVIOUSLY APPROVED UNDER F-08-099 BY SHEET FLOW TO BUFFER THROUGH A WATER QUALITY SWALE AND LEVEL SPREADER.

SEQUENCE OF CONSTRUCTION - INDIVIDUAL HOUSE

- OBTAIN GRADING PERMIT.
- THE CONTRACTOR(S) IS TO IDENTIFY AND MARK ANY HAZARDOUS CONDITIONS THAT MAY EXIST ON-SITE, SUCH AS OVERHEAD POWERLINES, OLD WELLS, GAS LINES, ETC.
- INSTALL STABILIZED CONSTRUCTION ENTRANCE, SILT FENCE AND CLEANWATER DIVERSION.
- GRADE SITE AND STABILIZE IN ACCORDANCE WITH PERMANENT SEEDING NOTES.
- INSTALL EROSION CONTROL MATTING IN THE DITCHES AND SWALES.
- THE SEPTIC AREA IS TO BE PLACED ON THE UPHILL SIDE OF THE EXCAVATION.
- STABILIZE ANY REMAINING DISTURBED AREAS IN ACCORDANCE WITH PERMANENT SEEDING NOTES.
- UPON APPROVAL OF HOWARD COUNTY SEDIMENT CONTROL INSPECTOR, REMOVE ALL SEDIMENT CONTROL DEVICES. PERMANENTLY STABILIZE AS REQUESTED.

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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. 28599 Expiration Date: 7-22-2015.

OWNER: CHRIS LOPES
6525 MEADOWFIELD COURT
ELKRIDGE, MARYLAND 21075
240-238-1244

PROJECT: EUGENE B. MOORE PROPERTY
LOT 6
3355 ROUTE 97

LOCATION: TAX MAP No. 21, GRID No. 3 & 4, PARCEL No. 140
4TH ELECTION DISTRICT
HOWARD COUNTY, MARYLAND

TITLE: GRADING PERMIT, SEDIMENT AND EROSION CONTROL PLAN

HOUSE TYPE: LOPES RESIDENCE

DATE: JANUARY, 2012
PROJECT NO.: 2446

SCALE: AS SHOWN
DRAWING: 1 OF 1

DESIGN: JCO DRAFT: JCO