

Building Address 5610 S.E. CHAMBLIS DR.  
CLARKSVILLE, MD. 21029

Suite/Apt. #: \_\_\_\_\_ SDP/WP/Petition #: \_\_\_\_\_

Census Tract \_\_\_\_\_ Subdivision \_\_\_\_\_

Section \_\_\_\_\_ Area 99.25 AC Lot 60

Tax Map 34 Parcel 15 Grid 5

Zoning \_\_\_\_\_ Map Coordinates \_\_\_\_\_ Lot Size \_\_\_\_\_

Property Owner's Name GEORGE DEETSCH  
 Address 5610 CHAMBLIS DR.  
 City CLARKSVILLE State MD. Zip Code 21029  
 Home Phone \_\_\_\_\_ Work Phone \_\_\_\_\_  
 Applicant's Name & Mailing Address, (if other than stated herein):  
SCOTT ANTKOWIAK  
TEVIS PROPANE  
1618 N. MAP ST.  
HAMPSTEAD, MD. 21074  
 Phone 410 239-9515 Fax 410 374 2425

Existing Use SFD  
 Proposed Use SFD W/TANK  
 Estimated Construction Cost \$ 3,1000.00

Description of Work INSTALL ONE 1000 GAL. UNDER-  
GROUND PROPANE TANK. WILL COMPLY WITH  
NFPA 58

Occupant or Tenant \_\_\_\_\_

Contact Name \_\_\_\_\_

Address \_\_\_\_\_

City \_\_\_\_\_ State \_\_\_\_\_ Zip Code \_\_\_\_\_

Phone \_\_\_\_\_ Fax \_\_\_\_\_

Contractor Company TEVIS PROPANE  
 Contact Person SCOTT ANTKOWIAK  
 Address SAME AS ABOVE  
 City \_\_\_\_\_ State \_\_\_\_\_ Zip Code \_\_\_\_\_  
 License No. \_\_\_\_\_  
 Phone \_\_\_\_\_ Fax \_\_\_\_\_

Engineer or Architect Company \_\_\_\_\_

Contact Person \_\_\_\_\_

Address \_\_\_\_\_

City \_\_\_\_\_ State \_\_\_\_\_ Zip Code \_\_\_\_\_

Phone \_\_\_\_\_ Fax \_\_\_\_\_

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

BUILDING DESCRIPTION - RESIDENTIAL	
Building Characteristics	Utilities
SF Dwelling <input type="checkbox"/> SF Townhouse <input type="checkbox"/>	Water Supply: Public <input type="checkbox"/> Private <input checked="" type="checkbox"/>
Depth _____ Width _____	Sewage Disposal: Public <input type="checkbox"/> Private <input checked="" type="checkbox"/>
1st floor: _____	Electric Yes <input type="checkbox"/> No <input type="checkbox"/>
2nd floor: _____	Gas Yes <input type="checkbox"/> No <input type="checkbox"/>
Basement: _____	Heating System: Electric <input type="checkbox"/> Oil <input type="checkbox"/>
Finished Basement <input type="checkbox"/> Unfinished Basement <input type="checkbox"/> Crawl space <input type="checkbox"/> Slab on Grade <input type="checkbox"/>	Natural Gas <input type="checkbox"/>
No. of Bedrooms _____	Propane Gas <input type="checkbox"/>
Multi-family dwellings: _____	Sprinkler system: N/A <input type="checkbox"/>
No. of efficiency units: _____	NFPA #13D _____
No. of 1 BR units: _____	NFPA #13R _____
No. of 2 BR units: _____	Other: _____
No. of 3 BR units: _____	
Other Structure: _____	
Dimensions: _____	
Footings: _____	
Roof: _____	
State Certified Modular _____	
Manufactured Home _____	

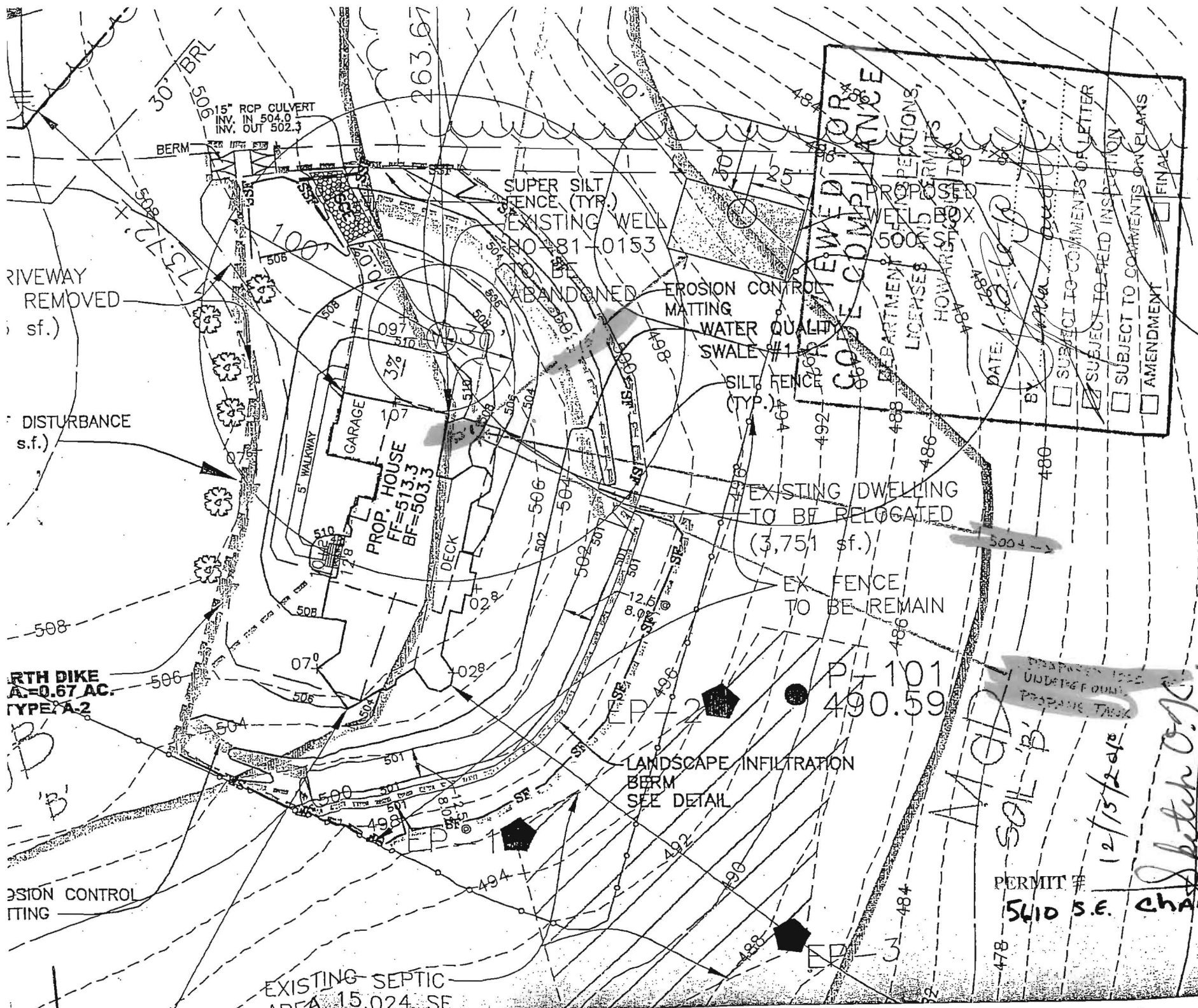
THE UNDERSIGNED HEREBY CERTIFIES AND AGREES AS FOLLOWS: (1) THAT HE/SHE IS AUTHORIZED TO MAKE THIS APPLICATION; (2) THAT THE INFORMATION IS CORRECT; (3) THAT HE/SHE WILL COMPLY WITH ALL REGULATIONS OF HOWARD COUNTY WHICH ARE APPLICABLE THERETO; (4) THAT HE/SHE WILL PERFORM NO WORK ON THE ABOVE REFERENCED 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.

TEVIS PROPANE  
 Applicant's Signature  
TEVIS PROPANE  
 Title/Company

**RECEIVED**  
SCOTT ANTKOWIAK  
 Print Name  
11/29/10  
 Date  
**NOV 29 2010**

Checks payable to: **DIRECTOR OF FINANCE OF HOWARD COUNTY**  
 \*\*PLEASE WRITE NEATLY AND LEGIBLY.\*\*  
 - FOR OFFICE USE ONLY -

AGENCY	DATE	SIGNATURE APPROVAL	DPZ SETBACK INFORMATION	PROPERTY ID #
Land Development, DPZ			Front: _____	Filing fee \$ _____
State Highways			Rear: _____	Permit fee \$ <u>100.00</u>
Building Officials	<u>12-16-10</u>	<u>[Signature]</u>	Side: _____	Excise tax \$ _____
Dev. Engineering, DPZ			Side St.: _____	Add'l per fee \$ <u>10.00</u>
Health	<u>12/15/2010</u>	<u>O.K. BB</u>	All minimum setbacks met? YES <input type="checkbox"/> NO <input type="checkbox"/>	TOTAL FEES \$ _____
Fire Protection			Is Entrance Permit Required? YES <input type="checkbox"/> NO <input type="checkbox"/>	Sub-total paid \$ _____
Is Sediment Control approval required prior to issuance? YES <input type="checkbox"/> NO <input type="checkbox"/>			Historic District? YES <input type="checkbox"/> NO <input type="checkbox"/>	Balance due \$ _____
CONTINGENCY CONSTRUCTION START: <input type="checkbox"/>			Lot Coverage for New Town Zone _____	Check # <u>1070</u>
ONE STOP SHOP: <input type="checkbox"/>			SDP/Red-line approval date _____	Validation # _____
			Accepted by <u>[Signature]</u>	



REVIEWED FOR SOLE COMPLIANCE  
 DEPARTMENT OF PERMITS, LICENSES AND INSPECTIONS  
 HOWARD STREET  
 DATE: 12/15/2010  
 BY: [Signature]  
 SUBJECT TO COMMENTS OF LETTER  
 SUBJECT TO FIELD INSPECTION  
 SUBJECT TO COMMENTS ON PLANS  
 AMENDMENT  
 FINAL

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INSPECTOR'S COPY  
 MCD  
 SOIL 'B'  
 PERMIT # 5410 S.E. Chamblis Dr  
 12/15/2010  
 Sketch O.K.  
 BB

Building Address 5610 CHAMBERLAIN DRIVE  
CLARKSVILLE, MD 21029  
 Suite/Apt. #: \_\_\_\_\_ SDP/WP/Petition #: \_\_\_\_\_  
 Census Tract \_\_\_\_\_ Subdivision \_\_\_\_\_  
 Section \_\_\_\_\_ Area \_\_\_\_\_ Lot \_\_\_\_\_  
 Tax Map \_\_\_\_\_ Parcel \_\_\_\_\_ Grid \_\_\_\_\_  
 Zoning \_\_\_\_\_ Map Coordinates \_\_\_\_\_ Lot Size \_\_\_\_\_

Property Owner's Name GEORGE DIETSCH  
 Address 5610 CHAMBERLAIN DRIVE  
 City CLARKSVILLE State MD Zip Code 21029  
 Home Phone 410 397 1200 Work Phone \_\_\_\_\_  
 Applicant's Name & Mailing Address, (if other than stated herein):  
PAUL MUELLER  
7520 WINDY CT STE #201  
SYKEVILLE, MD 21784  
 Phone 410 549 4444 x23 Fax 410 549 4440

Existing Use SFD  
 Proposed Use SFD  
 Estimated Construction Cost \$ 750,000  
 Description of Work COMPLETE NEW SFD  
REMOVED OLD PERMIT # B10001377

Contractor Company MUELLER HOME INC  
 Contact Person PAUL MUELLER  
 Address 7520 WINDY ST #201  
 City SYKEVILLE State MD Zip Code 21784  
 License No. 22  
 Phone 410 549 4444 x23 Fax 410 549 4440

Occupant or Tenant \_\_\_\_\_  
 Contact Name \_\_\_\_\_  
 Address \_\_\_\_\_  
 City \_\_\_\_\_ State \_\_\_\_\_ Zip Code \_\_\_\_\_  
 Phone \_\_\_\_\_ Fax \_\_\_\_\_

Engineer or Architect Company \_\_\_\_\_  
 Contact Person \_\_\_\_\_  
 Address \_\_\_\_\_  
 City \_\_\_\_\_ State \_\_\_\_\_ Zip Code \_\_\_\_\_  
 Phone \_\_\_\_\_ Fax \_\_\_\_\_

**BUILDING DESCRIPTION - COMMERCIAL**

Building Characteristics	Utilities
Height: _____	Water Supply: <input checked="" type="checkbox"/> Public
No. of stories: _____	<input checked="" type="checkbox"/> Private
Gross area, sq. ft. per floor: _____	Sewage Disposal: <input checked="" type="checkbox"/> Public
Use group: _____	<input checked="" type="checkbox"/> Private
Construction type: _____	Electric Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>
____ Reinforced Concrete	Gas Yes <input type="checkbox"/> No <input type="checkbox"/>
____ Structural Steel	Heating System: _____
____ Masonry	Electric <input checked="" type="checkbox"/> Oil <input type="checkbox"/>
____ Wood Frame	Natural Gas <input type="checkbox"/>
____ State Certified Modular	Propane Gas <input checked="" type="checkbox"/>
	Sprinkler system: N/A <input checked="" type="checkbox"/>
	____ Full
	____ Partial
	____ Other Suppression
	____ # of Heads _____

**BUILDING DESCRIPTION - RESIDENTIAL**

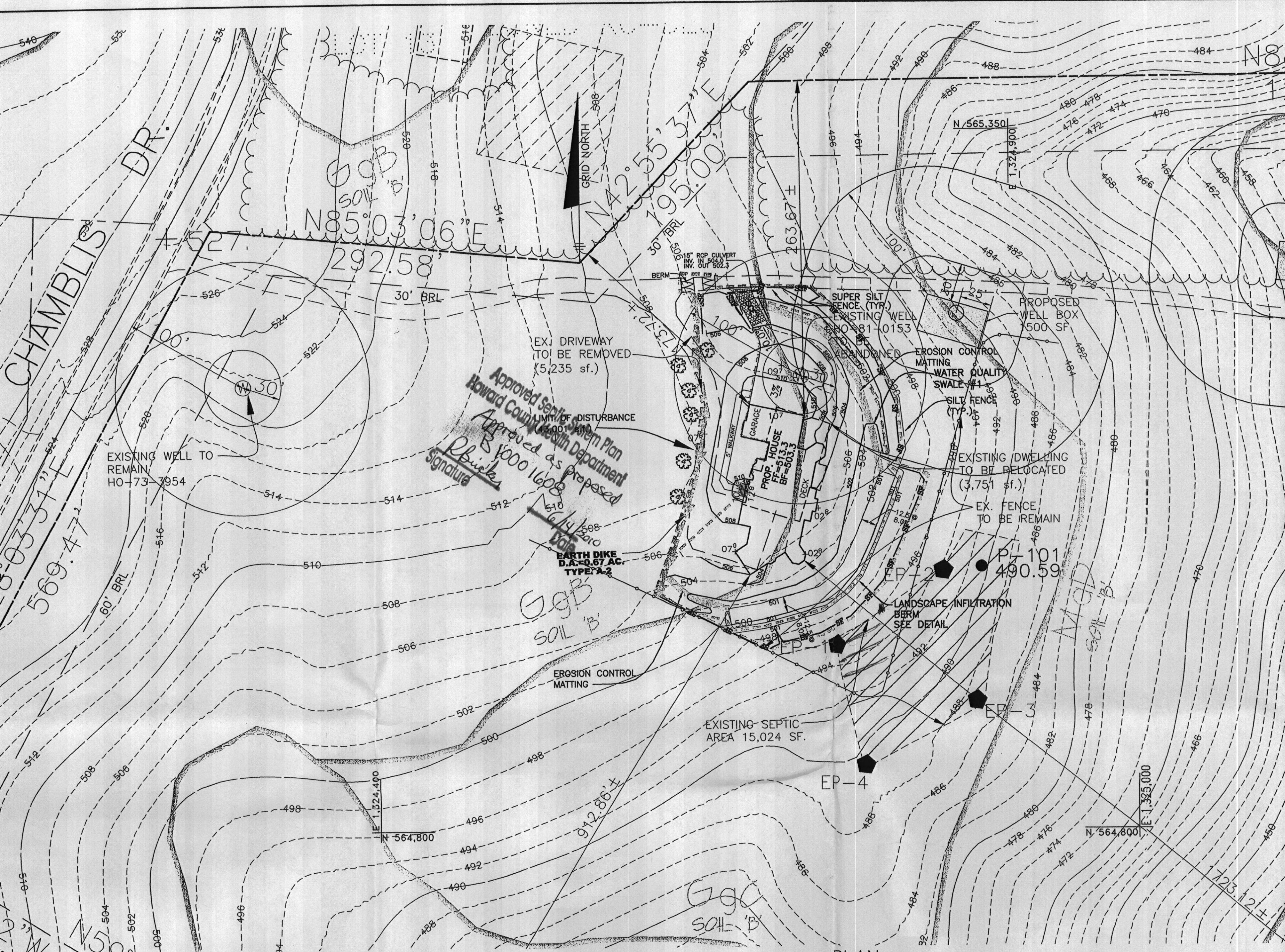
Building Characteristics	Utilities
SF Dwelling <input checked="" type="checkbox"/> SF Townhouse <input type="checkbox"/>	Water Supply: _____
Depth _____ Width _____	<input checked="" type="checkbox"/> Public
1 <sup>st</sup> floor: _____	<input checked="" type="checkbox"/> Private
2 <sup>nd</sup> floor: _____	Sewage Disposal: _____
Basement: _____	<input checked="" type="checkbox"/> Public
Finished Basement <input checked="" type="checkbox"/> Unfinished Basement <input type="checkbox"/> Crawl space <input type="checkbox"/> Slab on Grade <input type="checkbox"/>	<input checked="" type="checkbox"/> Private
No. of Bedrooms <u>3</u>	Electric Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>
Multi-family dwellings: _____	Gas Yes <input type="checkbox"/> No <input checked="" type="checkbox"/>
No. of efficiency units: _____	Heating System: _____
No. of 1 BR units: _____	Electric <input checked="" type="checkbox"/> Oil <input type="checkbox"/>
No. of 2 BR units: _____	Natural Gas <input type="checkbox"/>
No. of 3 BR units: _____	Propane Gas <input checked="" type="checkbox"/>
Other Structure: _____	Sprinkler system: N/A <input checked="" type="checkbox"/>
Dimensions: _____	____ NFPA #13D
Footings: _____	____ NFPA #13R
Roof: _____	____ Other: _____
____ State Certified Modular	
____ 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 Paul Mueller Print Name Paul Mueller  
 Email Address pmueller@home.com  
 Title/Company \_\_\_\_\_ Date 6/11/10

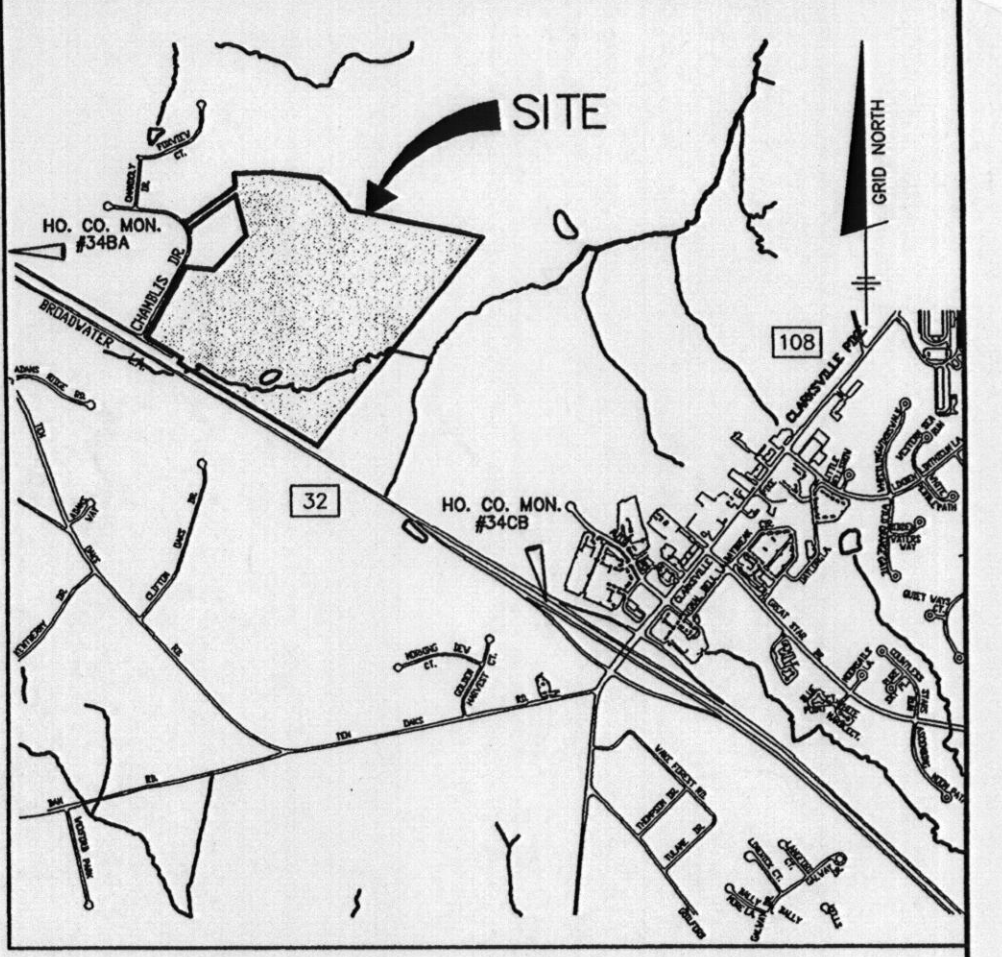
Checks payable to: **DIRECTOR OF FINANCE OF HOWARD COUNTY**  
 \*\*PLEASE WRITE NEATLY AND LEGIBLY.\*\*  
 - FOR OFFICE USE ONLY -

AGENCY	DATE	SIGNATURE APPROVAL	DPZ SETBACK INFORMATION	Filing fee	PROPERTY ID #
<input checked="" type="checkbox"/> Land Development, DPZ			Front: _____	\$ <u>150.00</u>	
<input checked="" type="checkbox"/> State Highways			Rear: _____	Permit fee \$ _____	
<input checked="" type="checkbox"/> Building Officials			Side: _____	Excise tax \$ _____	
<input checked="" type="checkbox"/> Dev. Engineering, DPZ			Side St.: _____	Add'l per fee \$ _____	
<input checked="" type="checkbox"/> Health <u>6/14/2010</u> <u>R. Bunker</u>			All minimum setbacks met?	TOTAL FEES \$ _____	
<input type="checkbox"/> Fire Protection			YES <input type="checkbox"/> NO <input type="checkbox"/>	Sub-total paid \$ _____	
Is Sediment Control approval required prior to issuance?			Is Entrance Permit Required?	Balance due \$ _____	
YES <input checked="" type="checkbox"/> NO <input type="checkbox"/>			YES <input type="checkbox"/> NO <input type="checkbox"/>	Check # <u>1001</u>	
			Historic District?	Validation # _____	
			YES <input type="checkbox"/> NO <input type="checkbox"/>		
			Lot Coverage for New Town Zone _____		
			SDP/Red-line approval date _____	Accepted by <u>(Signature)</u>	



PLAN  
SCALE: 1" = 50'

**BENCHMARK NAD83 HORIZONTAL**  
 HO. CO. #348A  
 STAMPED BRASS DISK SET ON TOP OF  
 CONCRETE BASE.  
 N 563852.4632' E 1324672.1943'  
 ELEVATION: 450.125'  
 RT. 32, 0.3 MILES WEST OF CLARKSVILLE.  
 HO. CO. #34CB  
 STAMPED BRASS DISK SET ON TOP OF  
 CONCRETE BASE.  
 N 561958.781' E 1327617.07'  
 ELEVATION: 441.409'  
 RT. 32 BY RAMP TO H/O RT-108  
 (CLARKSVILLE)



**VICINITY MAP**  
 SCALE: 1" = 2000'  
 ADC MAP 4933 GRID G-6

**EROSION CONTROL MATTING**  
 3:1 slope, 6.0' berm, 4.0' height  
 A=0.23 ACRES  
 C=0.26  
 I=4.50 IN/HR  
 Q=0.27 CFS  
 S=0.028 FT/FT  
 n=0.33  
 D=0.05 FT  
 V=0.95 FPS

**WATER QUALITY SWALE #1**  
 NOT TO SCALE

**MATERIALS AND SPECIFICATIONS**

MATERIAL	SPECIFICATION	SIZE	NOTES:
PLANTINGS	SEE APPENDIX A; TABLE A.4	N/A	PLANTINGS ARE SITE SPECIFIC
PLANTING SOIL (2.5' TO 4.0' DEEP)	SAND: 30-60% SILT: 30-55% CLAY: 0-25%	N/A	USDA SOIL TYPES: LOAMY SAND, SANDY LOAM OR LOAM
MULCH	SHREDDED HARDWOOD	N/A	AGED 6 MONTHS, MINIMUM
GEOTEXTILE (CLASS "C")	APPARENT OPENING SIZE: (ASTM D-4751) GRAB TENSILE STRENGTH: (ASTM D-4632) PUNCTURE RESISTANCE: (ASTM D-4633)	N/A	FOR USE AS NECESSARY BENEATH UNDERDRAINS ONLY
UNDERDRAIN GRAVEL	AASHTO M-43	0.375" TO 0.750"	
UNDERDRAIN PIPING	F758, TYPE PS28 OR AASHTO M-278	4" TO 6" RIGID SCH.40 PVC, SDR35 OR HDPE	3/8" PERF. @ 6" O/C, 4 HOLES PER ROW; MINIMUM OF 3" OF GRAVEL OVER PIPES, NOT NECESSARY UNDERNEATH PIPES

HOWARD COUNTY, MARYLAND (MD027)

Soil	Depth	Texture	Color	Structure	Moisture	Consistency	Notes
1A1	0-10"	loam	10YR 5/6	medium	10%	mo	...
1A2	10-20"	loam	10YR 5/6	medium	10%	mo	...
1B1	0-10"	loam	10YR 5/6	medium	10%	mo	...
1B2	10-20"	loam	10YR 5/6	medium	10%	mo	...
1C	20-40"	loam	10YR 5/6	medium	10%	mo	...
1D	40-60"	loam	10YR 5/6	medium	10%	mo	...
1E	60-80"	loam	10YR 5/6	medium	10%	mo	...
1F	80-100"	loam	10YR 5/6	medium	10%	mo	...
1G	100-120"	loam	10YR 5/6	medium	10%	mo	...
1H	120-140"	loam	10YR 5/6	medium	10%	mo	...
1I	140-160"	loam	10YR 5/6	medium	10%	mo	...
1J	160-180"	loam	10YR 5/6	medium	10%	mo	...
1K	180-200"	loam	10YR 5/6	medium	10%	mo	...
1L	200-220"	loam	10YR 5/6	medium	10%	mo	...
1M	220-240"	loam	10YR 5/6	medium	10%	mo	...
1N	240-260"	loam	10YR 5/6	medium	10%	mo	...
1O	260-280"	loam	10YR 5/6	medium	10%	mo	...
1P	280-300"	loam	10YR 5/6	medium	10%	mo	...
1Q	300-320"	loam	10YR 5/6	medium	10%	mo	...
1R	320-340"	loam	10YR 5/6	medium	10%	mo	...
1S	340-360"	loam	10YR 5/6	medium	10%	mo	...
1T	360-380"	loam	10YR 5/6	medium	10%	mo	...
1U	380-400"	loam	10YR 5/6	medium	10%	mo	...
1V	400-420"	loam	10YR 5/6	medium	10%	mo	...
1W	420-440"	loam	10YR 5/6	medium	10%	mo	...
1X	440-460"	loam	10YR 5/6	medium	10%	mo	...
1Y	460-480"	loam	10YR 5/6	medium	10%	mo	...
1Z	480-500"	loam	10YR 5/6	medium	10%	mo	...

NATURAL RESOURCES CONSERVATION SERVICES  
 WEB SOIL SURVEY 2.0

**ENGINEER'S 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.

ENGINEER: BRUCE A. CLEGG, P.E. #28859 DATE: 5/25/2010

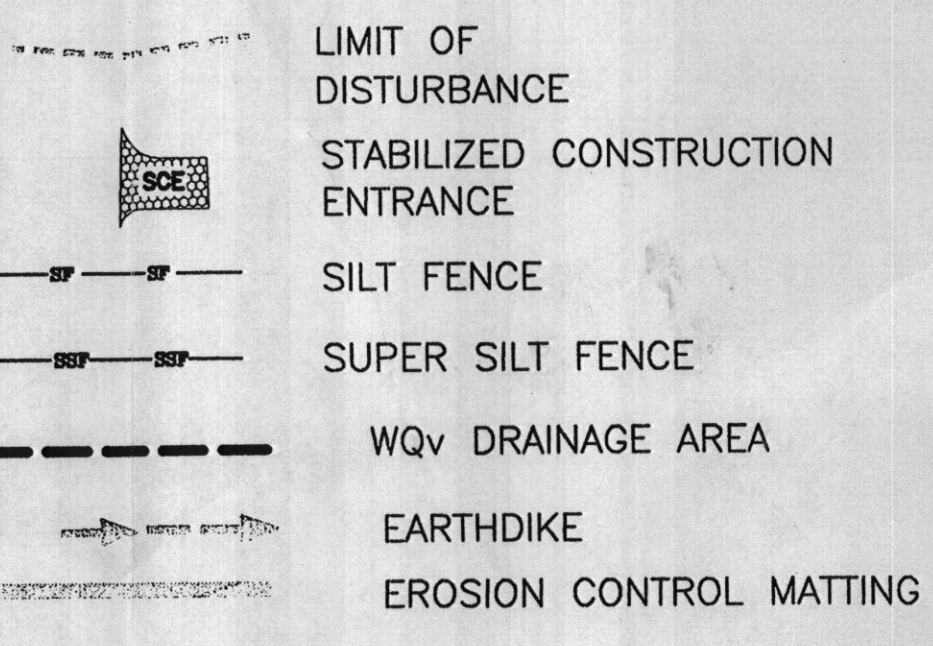
**DEVELOPER'S CERTIFICATE**  
 I/WE CERTIFY THAT ALL DEVELOPMENT AND CONSTRUCTION WILL BE DONE ACCORDING TO THIS PLAN FOR SEDIMENT AND EROSION CONTROL, AND THAT ALL RESPONSIBLE PERSONNEL INVOLVED IN THE CONSTRUCTION PROJECT WILL HAVE A CERTIFICATE OF ATTENDANCE AT A DEPARTMENT OF THE ENVIRONMENT APPROVED 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.

DEVELOPER: PAUL MUELLER DATE: 5/28/10

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

HOWARD SCD: [Signature] DATE: 6/2/10

- LEGEND**
- EXISTING CONTOURS
  - PROPOSED CONTOURS
  - PROPOSED TREELINE
  - EXISTING TREELINE
  - EXISTING CL STREAM
  - LIMIT OF SUBMISSION
  - SEPTIC AREA
  - SEPTIC AREA ESTABLISHED IN 1983
  - SOILS DELINEATION
  - TEST HOLE PASSED
  - TEST HOLE FAILED
  - EXISTING PERC HOLE
  - PROPOSED WELL BOX
  - LIMIT OF DISTURBANCE
  - STABILIZED CONSTRUCTION ENTRANCE
  - SILT FENCE
  - SUPER SILT FENCE
  - WQV DRAINAGE AREA
  - EARTHDIKE
  - EROSION CONTROL MATTING



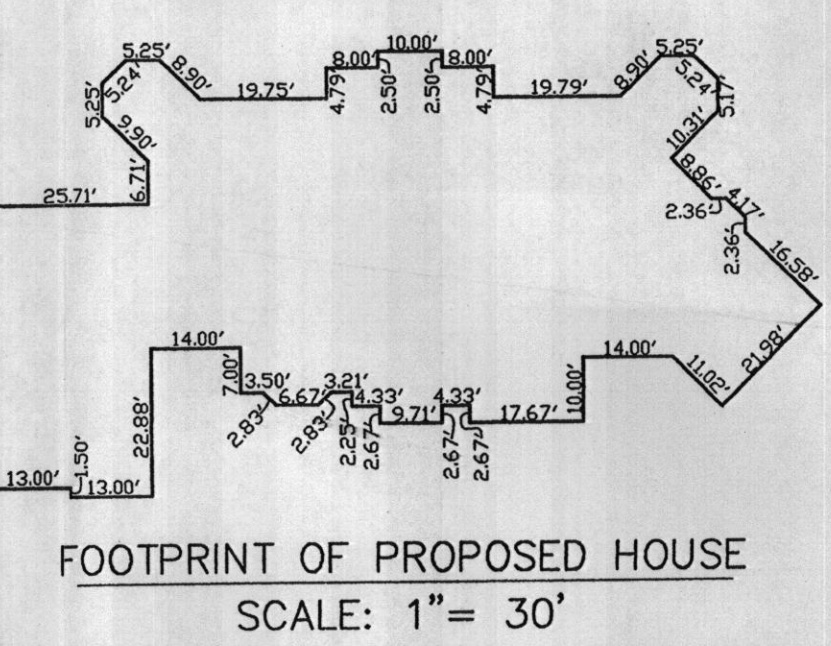
**Micro-Scale Practices**

Practice	Type	DA	Imp.	Qe	ESDv In Flow	ESDv Required	upstream slope (%)	Depth	Length	ESDv Provided	ESDv Overflow	At 2% of DA
1	M-4	27434	8069	0.50		1151	8.0%	1.00	197.00	1231.25	0	NA
Total		27434	8069			1151				1231	0	

**INFILTRATION BERM**  
 NOT TO SCALE

- NOTES:**
- MINIMUM 6" LAYER OF COMPACTED TOP SOIL OVER GRAVEL
  - MAXIMUM 3:1 SLOPES MUST BE MAINTAINED
  - BERM SHALL BE PLANTED WITH NATIVE MEADOW VEGETATION AND SHRUBS OR TURF GRASS IF IS TO BE MOWED

ALL SEDIMENT CONTROL FEATURES SHALL BE INSTALLED IN ACCORDANCE WITH STANDARD DETAILS SHOWN IN THE 1994 MARYLAND STANDARDS AND SPECIFICATIONS FOR SOIL EROSION AND SEDIMENT CONTROL.



**BENCHMARK ENGINEERING, INC.**  
 ENGINEERS & LAND SURVEYORS & PLANNERS  
 8480 BALTIMORE NATIONAL PIKE & SUITE 418 A ELICOTT CITY, MARYLAND 21043  
 (P) 410-465-4105 (F) 410-465-4644  
 60 THOMAS SHANNON DRIVE & FREDERICK, MARYLAND 21702  
 (P) 301-371-3505 (F) 301-371-3508  
 WWW.BD-CIVILENGINEERING.COM

**Professional Engineer**  
 BRUCE A. CLEGG, P.E. #28859  
 5/25/2010

**Approved Site Plan**  
 Approved Primary Resident

**PROJECT: GLEN MARY ESTATES LOT 6 PROPOSED HOUSE**

**LOCATION:** TAX MAP: 34, GRID: 5  
 PARCEL: 15  
 ELECTION DISTRICT NO. 5  
 HOWARD COUNTY, MARYLAND

**TITLE: STORMWATER MANAGEMENT AND GRADING PLAN**

**BUILDER:** MUELLER HOMES, INC.  
 7520 MAIN STREET  
 SYKESVILLE, MARYLAND 21784  
 410-549-4440

**DATE:** JANUARY, 2010 **PROJECT NO.** 2130

**Design:** HP **Draft:** HP **Check:** BFC **SCALE:** AS SHOWN **SHEET** 1 **OF** 3

DEPT. OF INSPECTIONS, LICENSES AND PERMITS  
 3430 COURT HOUSE DRIVE  
 ELLICOTT CITY, MD 21043  
 PERMITS (410) 313-2455  
 INSPECTIONS (410) 313-1810  
 AUTOMATED INFORMATION (410) 313-3800

**HOWARD COUNTY  
 PERMIT APPLICATION**

**PERMIT NUMBER**

FOUNDATION PLAN  
 B 0900 3444

Building Address 5610 CHAMBERLAIN DR  
CLARKSVILLE, MD 21029

Suite/Apt. #: \_\_\_\_\_ SDP/WP/Petition #: \_\_\_\_\_

Census Tract \_\_\_\_\_ Subdivision \_\_\_\_\_

Section \_\_\_\_\_ Area \_\_\_\_\_ Lot \_\_\_\_\_

Tax Map \_\_\_\_\_ Parcel \_\_\_\_\_ Grid \_\_\_\_\_

Zoning \_\_\_\_\_ Map Coordinates \_\_\_\_\_ Lot Size \_\_\_\_\_

Property Owner's Name GEORGE DOETSCH  
 Address 5610 CHAMBERLAIN DR  
 City CLARKSVILLE State MD Zip Code 21029  
 Home Phone 410 549 4444 Work Phone \_\_\_\_\_  
 Applicant's Name & Mailing Address, (if other than stated herein):  
PAUL MICHELLER / MICHELLER HOMES  
7520 MAW ST SUITE 201  
SYKESVILLE, MD 21784

Phone 410 984 2265 Fax 410 549 4440

Existing Use SP  
 Proposed Use \_\_\_\_\_  
 Estimated Construction Cost \$ 100,000

Description of Work CONSTRUCT NEW FOUNDATION  
FOR EXISTING HOUSE TO BE ADDED  
TO THE SAME PROPERTY

Occupant or Tenant \_\_\_\_\_

Contact Name \_\_\_\_\_

Address \_\_\_\_\_

City \_\_\_\_\_ State \_\_\_\_\_ Zip Code \_\_\_\_\_

Phone \_\_\_\_\_ Fax \_\_\_\_\_

Contractor Company MICHELLER HOMES, INC  
 Contact Person PAUL MICHELLER  
 Address 7520 MAW ST SUITE 201  
 City SYKESVILLE State MD Zip Code 21784  
 License No. 22  
 Phone 410 984 2265 Fax 410 549 4440  
410 549 4444 x 23

Engineer or Architect Company BENCKMANN

Contact Person JONAS CANNON

Address 2780 HILLCREST RD

City ROCKVILLE State MD Zip Code 21043

Phone 410 465 6105 Fax 410 465 6244

**BUILDING DESCRIPTION - COMMERCIAL**

**BUILDING DESCRIPTION - RESIDENTIAL**

Building Characteristics	Utilities
Height: _____	Water Supply: _____ <input type="checkbox"/> Public <input type="checkbox"/> Private
No. of stories: _____	Sewage Disposal: _____ <input type="checkbox"/> Public <input type="checkbox"/> Private
Gross area, sq. ft. per floor: _____	Electric Yes <input type="checkbox"/> No <input type="checkbox"/> Gas Yes <input type="checkbox"/> No <input type="checkbox"/>
Use group: _____	Heating System: _____ <input type="checkbox"/> Electric <input type="checkbox"/> Oil <input type="checkbox"/> <input type="checkbox"/> Natural Gas <input type="checkbox"/> <input type="checkbox"/> Propane Gas <input type="checkbox"/>
Construction type: _____ <input type="checkbox"/> Reinforced Concrete <input type="checkbox"/> Structural Steel <input type="checkbox"/> Masonry <input type="checkbox"/> Wood Frame <input type="checkbox"/> State Certified Modular	Sprinkler system: N/A <input type="checkbox"/> <input type="checkbox"/> Full <input type="checkbox"/> Partial <input type="checkbox"/> Other Suppression <input type="checkbox"/> # of Heads _____

Building Characteristics	Utilities
SF Dwelling <input checked="" type="checkbox"/> SF Townhouse <input type="checkbox"/> Depth _____ Width _____ 1 <sup>st</sup> floor: _____ 2 <sup>nd</sup> floor: _____ Basement: _____	Water Supply: _____ <input type="checkbox"/> Public <input checked="" type="checkbox"/> Private
Finished Basement <input type="checkbox"/> Unfinished Basement <input type="checkbox"/> Crawl space <input type="checkbox"/> Slab on Grade <input type="checkbox"/>	Sewage Disposal: _____ <input type="checkbox"/> Public <input checked="" type="checkbox"/> Private
No. of Bedrooms _____	Electric Yes <input type="checkbox"/> No <input type="checkbox"/> Gas Yes <input type="checkbox"/> No <input type="checkbox"/>
Multi-family dwellings: No. of efficiency units: _____ No. of 1 BR units: _____ No. of 2 BR units: _____ No. of 3 BR units: _____	Heating System: _____ <input type="checkbox"/> Electric <input type="checkbox"/> Oil <input type="checkbox"/> <input type="checkbox"/> Natural Gas <input type="checkbox"/> <input type="checkbox"/> Propane Gas <input type="checkbox"/>
Other Structure: _____ Dimensions: _____ Footings: _____ Roof: _____ <input type="checkbox"/> State Certified Modular <input type="checkbox"/> Manufactured Home	Sprinkler system: N/A <input type="checkbox"/> <input type="checkbox"/> NFPA #13D <input type="checkbox"/> NFPA #13R <input type="checkbox"/> Other: _____

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 \_\_\_\_\_  
 Title/Company \_\_\_\_\_

Print Name Paul F. Micheller  
 Date 12/18/09

Checks payable to: **DIRECTOR OF FINANCE OF HOWARD COUNTY**  
 \*\*PLEASE WRITE NEATLY AND LEGIBLY.\*\*

**- FOR OFFICE USE ONLY -**

AGENCY	DATE	SIGNATURE APPROVAL	DPZ SETBACK INFORMATION	Filing fee	PROPERTY ID #
✓ Land Development, DPZ			Front: _____	\$ _____	
State Highways			Rear: _____	Permit fee \$ _____	
✓ Building Officials			Side: _____	Excise tax \$ _____	
✓ Dev. Engineering, DPZ			Side St.: _____	Add'l per fee \$ _____	
✓ Health <u>3/12/2010</u> <u>R. Bunker</u>			All minimum setbacks met?	TOTAL FEES \$ _____	
Fire Protection			YES <input type="checkbox"/> NO <input type="checkbox"/>	Sub-total paid \$ _____	
Is Sediment Control approval required prior to issuance? YES <input checked="" type="checkbox"/> NO <input type="checkbox"/>			Is Entrance Permit Required? YES <input type="checkbox"/> NO <input type="checkbox"/>	Balance due \$ _____	
			Historic District? YES <input type="checkbox"/> NO <input type="checkbox"/>	Check # <u>400</u>	
CONTINGENCY CONSTRUCTION START: <input type="checkbox"/>			Lot Coverage for New Town Zone _____	Validation # _____	
ONE STOP SHOP: <input type="checkbox"/>			SDP/Red-line approval date _____	Accepted by _____	

**LEGEND**

- EXISTING CONTOURS
- PROPOSED CONTOURS
- PROPOSED TREELINE
- EXISTING TREELINE
- EXISTING CL. STREAM
- LIMIT OF SUBMISSION
- SOILS DELINEATION
- PROPOSED WELL BOX
- TEST HOLE PASSED
- TEST HOLE FAILED
- EXISTING PERC HOLE
- TEST HOLE PASSED IN 1983
- TEST HOLE FAILED IN 1983
- SEPTIC AREA
- SEPTIC AREA ESTABLISHED IN 1983

S37°58'53"W  
2808.03'  
Gbc



PLAN  
SCALE: 1" = 100'

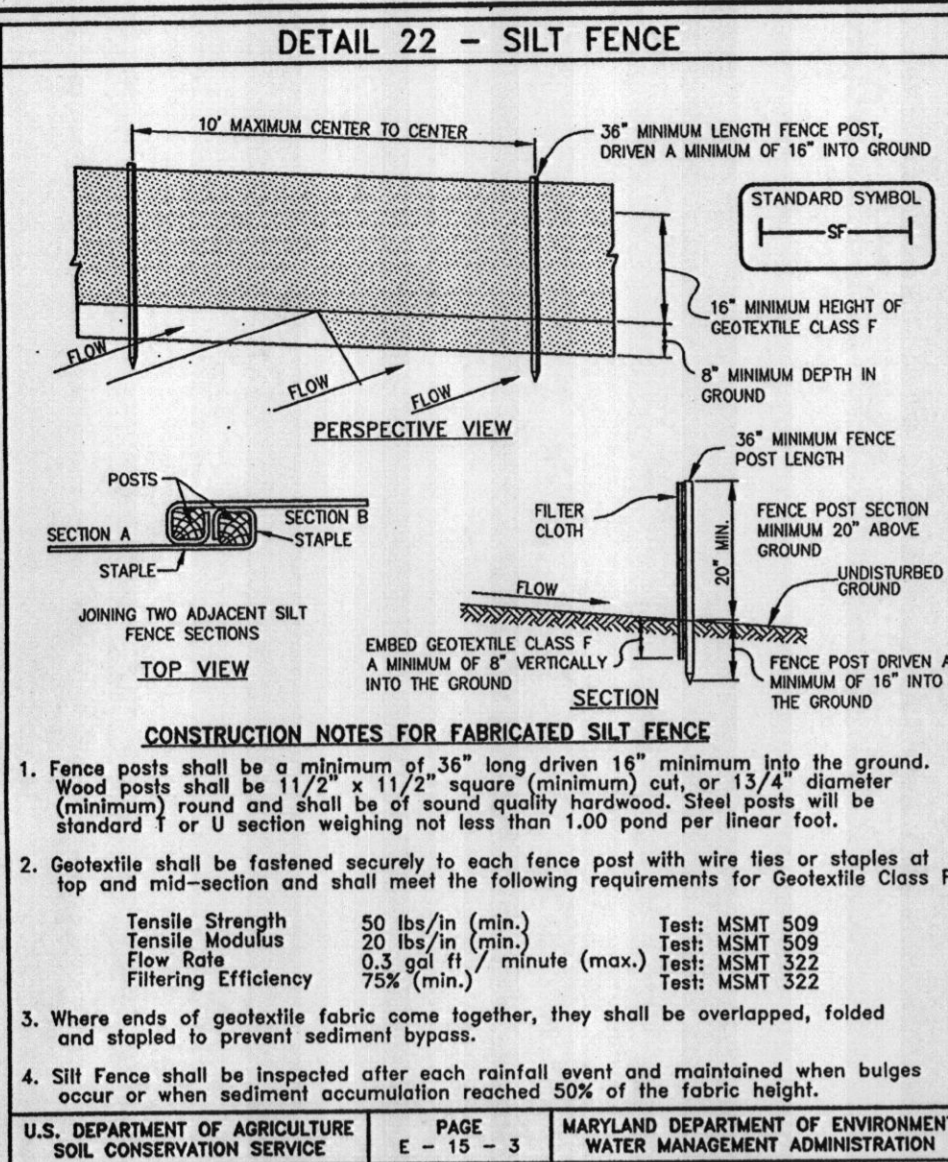
NO.	DATE	REVISION

**BENCHMARK**  
ENGINEERS & LAND SURVEYORS & PLANNERS  
**ENGINEERING, INC.**  
8480 BALTIMORE NATIONAL PIKE & SUITE 418 A ELIJAH CITY, MARYLAND 21043  
(7) 410-466-9103 (7) 410-466-0844  
90 THOMAS JOHNSON DRIVE & FREDERICK, MARYLAND 21702  
(7) 301-371-3505 (7) 301-371-3506  
WWW.BE-CVLENGINEERING.COM

Professional Certificate: 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. 28559, Expiration Date: 7-22-2011.

PROJECT:	<b>GLEN MARY ESTATES LOT 6 PROPOSED HOUSE</b>	
LOCATION:	TAX MAP: 34, GRID: 5 PARCEL: 15 ELECTION DISTRICT NO. 5 HOWARD COUNTY, MARYLAND	
BUILDER:	MUELLER HOMES, INC. 7520 MAIN STREET SYKESVILLE, MARYLAND 21784 410-549-4440	
TITLE:	HOUSE SITING PLAN	
DATE:	JANUARY, 2010	PROJECT NO. 2130
SCALE:	AS SHOWN	SHEET 2 OF 3

Design: HP Draft: HP Check: BFC

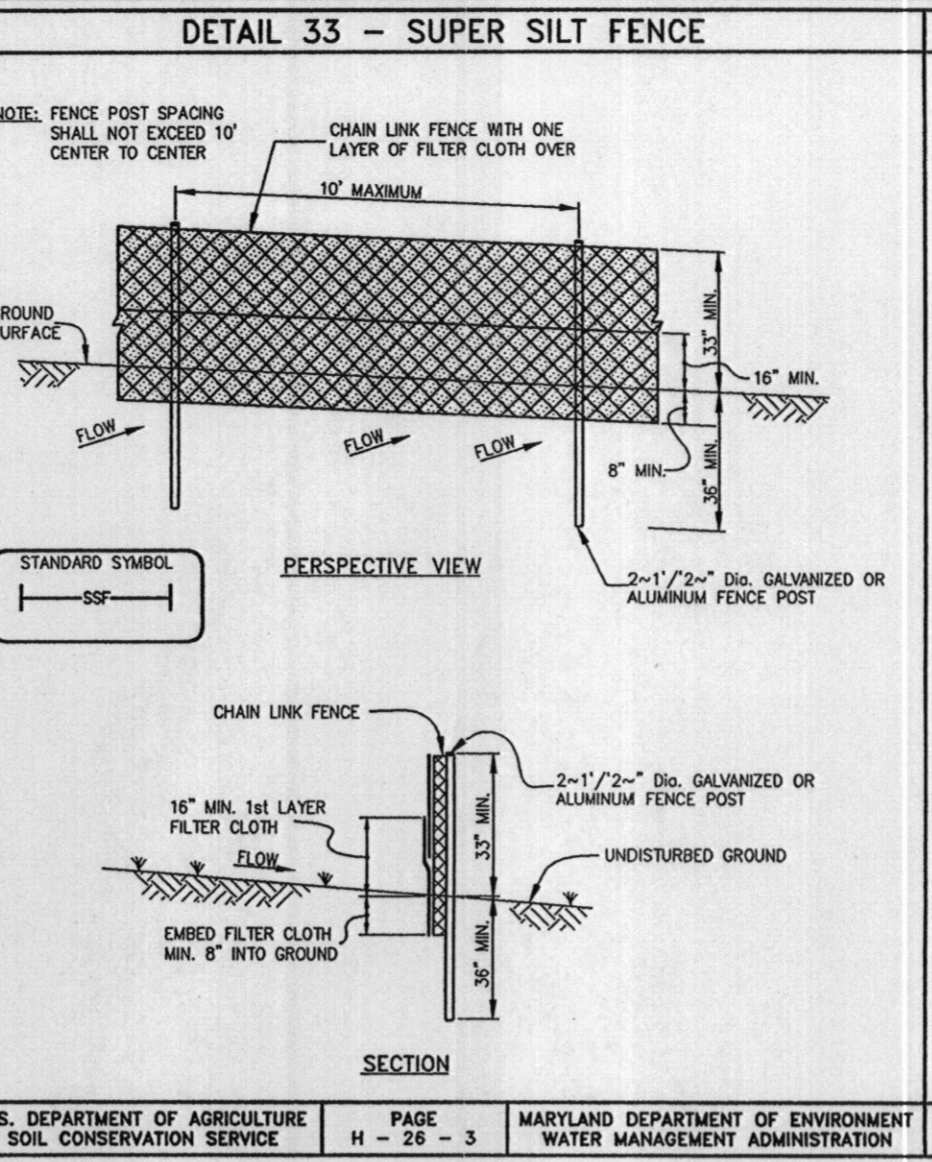
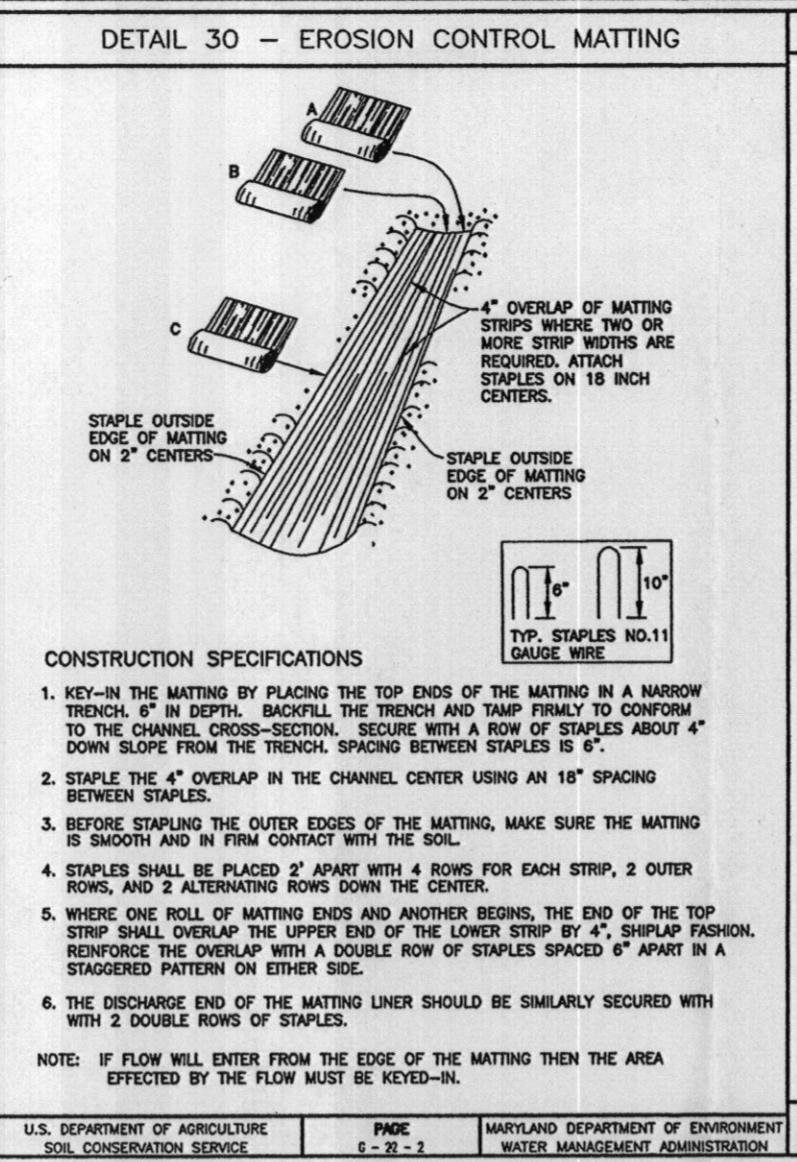


**SILT FENCE DESIGN CRITERIA**

Slope Steepness	(Maximum) Slope Length	(Maximum) Silt Fence Length
Flatter than 50:1	unlimited	unlimited
50:1 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

Notes: In areas of less than 2% 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 AND NATURAL RESOURCES WATER MANAGEMENT ADMINISTRATION



**SUPER SILT FENCE CONSTRUCTION SPECIFICATIONS**

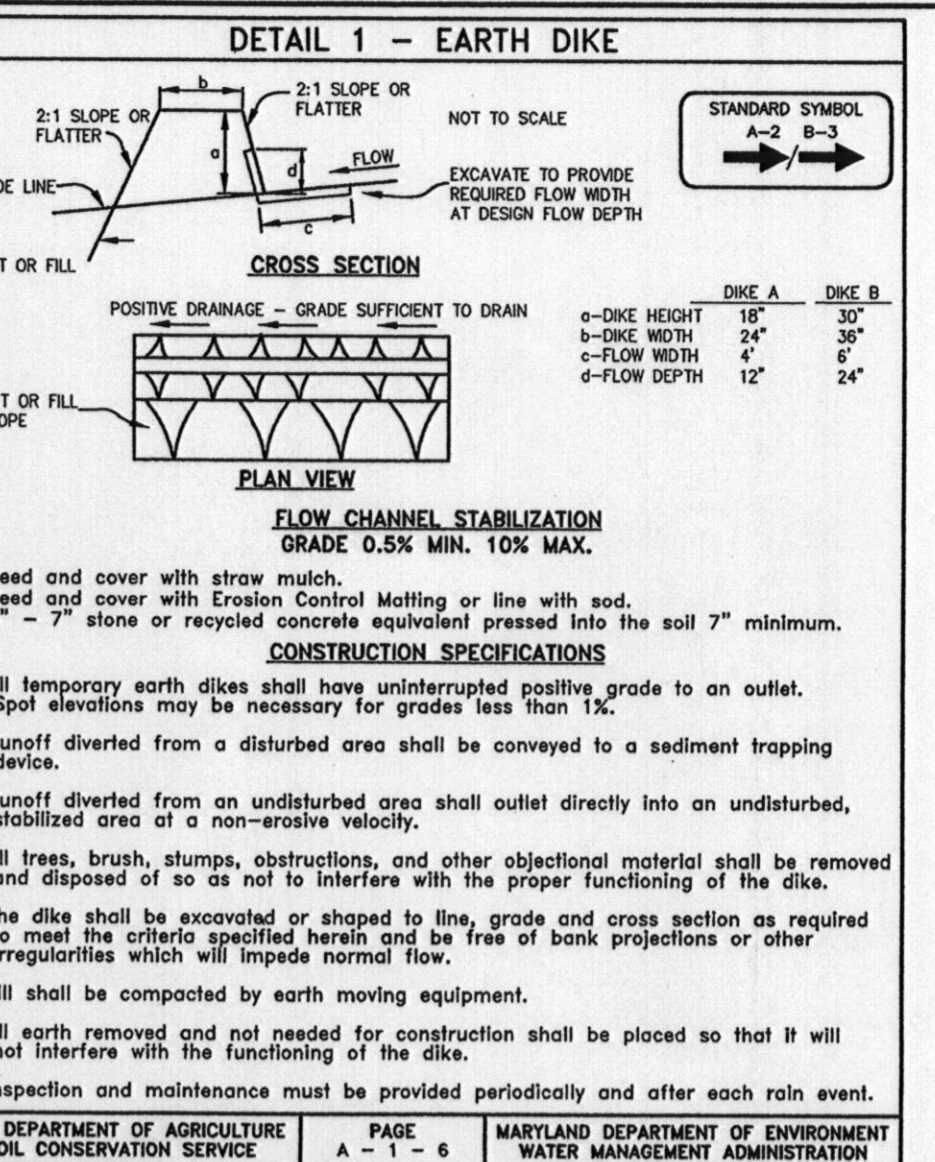
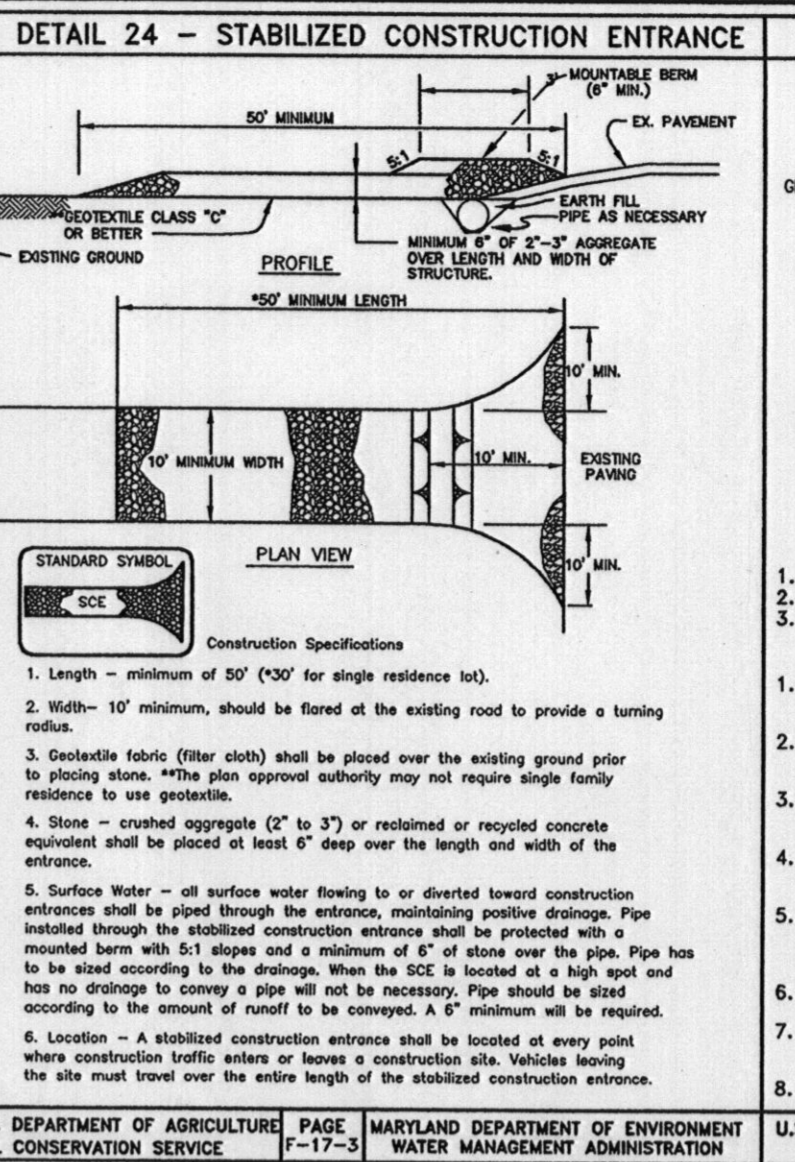
- Fencing shall be 42" in height and constructed in accordance with the latest Maryland State Highway Details for Chain Link Fencing. The specification for a 6" fence shall be used, substituting 42" fabric and 6" length posts.
- Chain link fence shall be fastened securely to the fence posts with wire ties. The lower tension wire, brace and truss rods, drive anchors and post caps are not required except on the ends of the fence.
- Filter cloth shall be fastened securely to the chain link fence with ties spaced every 24" of the top and mid section.
- Filter cloth shall be embedded a minimum of 8" into the ground.
- When two sections of filter cloth adjoin each other, they shall be overlapped by 6" and folded.
- Maintenance shall be performed as needed and silt buildups removed when "bulges" develop in the silt fence, or when silt reaches 50% of fence height.
- Filter cloth shall be fastened securely to each fence post with wire ties or staples of top and mid section and shall meet the following requirements for Geotextile Class F:
 

Tensile Strength	50 lbs/in (min.)
Tensile Modulus	20 lbs/in (min.)
Flow Rate	0.5 gal/h (min.) (max.)
Filtering Efficiency	75% (min.)

**SUPER SILT FENCE DESIGN CRITERIA**

Slope Steepness	Slope Length (maximum)
0 - 10%	Unlimited
10 - 20%	200 feet
20 - 33%	100 feet
33 - 50%	50 feet
50% +	25 feet

U.S. DEPARTMENT OF AGRICULTURE SOIL CONSERVATION SERVICE PAGE E-28-3A MARYLAND DEPARTMENT OF ENVIRONMENT AND NATURAL RESOURCES WATER MANAGEMENT ADMINISTRATION



**PERMANENT SEEDING NOTES**

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

Seeded Preparation: Loosen upper three inches of soil by raking, discing or other acceptable means before seeding. (If not previously loosened)

Soil Amendments: In lieu of soil test recommendations, use on the following schedules:

- Preferred - Apply 2 tons per acre dolomitic limestone (92 lbs/1000 sf) and 600 lbs per acre 10-10-10 fertilizer (14 lbs/1000 sf) before seeding. Harrow or disc into upper three inches of soil. At time of seeding, apply 400 lbs per acre 30-0-0 ureiform fertilizer (9 lbs/1000 sf).
- Acceptable - Apply 2 tons per acre dolomitic limestone (92 lbs/1000 sf) and 1000 lbs per acre 10-10-10 fertilizer (23 lbs/1000 sf) before seeding. Harrow or disc into upper three inches of soil.

Seeding: For the periods March 1 through April 30 and August 1 through October 15, seed with 60 lbs per acre (1.4 lbs/1000 sf) of Kentucky 31 Tall Fescue. For the period May 1 through July 31, seed with 60 lbs Kentucky 31 Tall Fescue per acre and 2 lbs per acre (0.05 lbs/1000 sf) of Weeping Lovegrass. During the period of October 16 through February 28, protect site by Option 1) 2 tons per acre of well anchored straw mulch and seed as soon as possible in the spring. Option 2) use sod. Option 3) seed with 60 lbs/acre Kentucky 31 Tall Fescue and mulch with 2 tons/acre well anchored straw.

Mulching: Apply 1-1/2 to 2 tons per acre (70 to 90 lbs/1000 sf) of unrotted small grain straw immediately after seeding. Anchor mulch immediately after application using mulch anchoring tool or 218 gallons per acre (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 all seeded areas and make needed repairs, replacements and reseedings.

**SEDIMENT CONTROL NOTES**

1. 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 (410-331-1855).

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 disturbances or disturbances, 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 calendar days 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. 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 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:	99.11 Ac.±
Area to be Disturbed:	0.99 Ac.±
Area to be roofed or paved:	0.20 Ac.±
Area to be vegetatively stabilized:	0.83 Ac.±
Total Cut:	200 C.Y. SEE NOTE 12
Total Fill:	200 C.Y. SEE NOTE 12

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 controls must be provided, if deemed necessary by the Howard County DPW 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 sediment controls, but before proceeding with any other earth disturbance or grading. Other building or grading inspection approvals may not be authorized until this initial approval by the inspection agency is made.

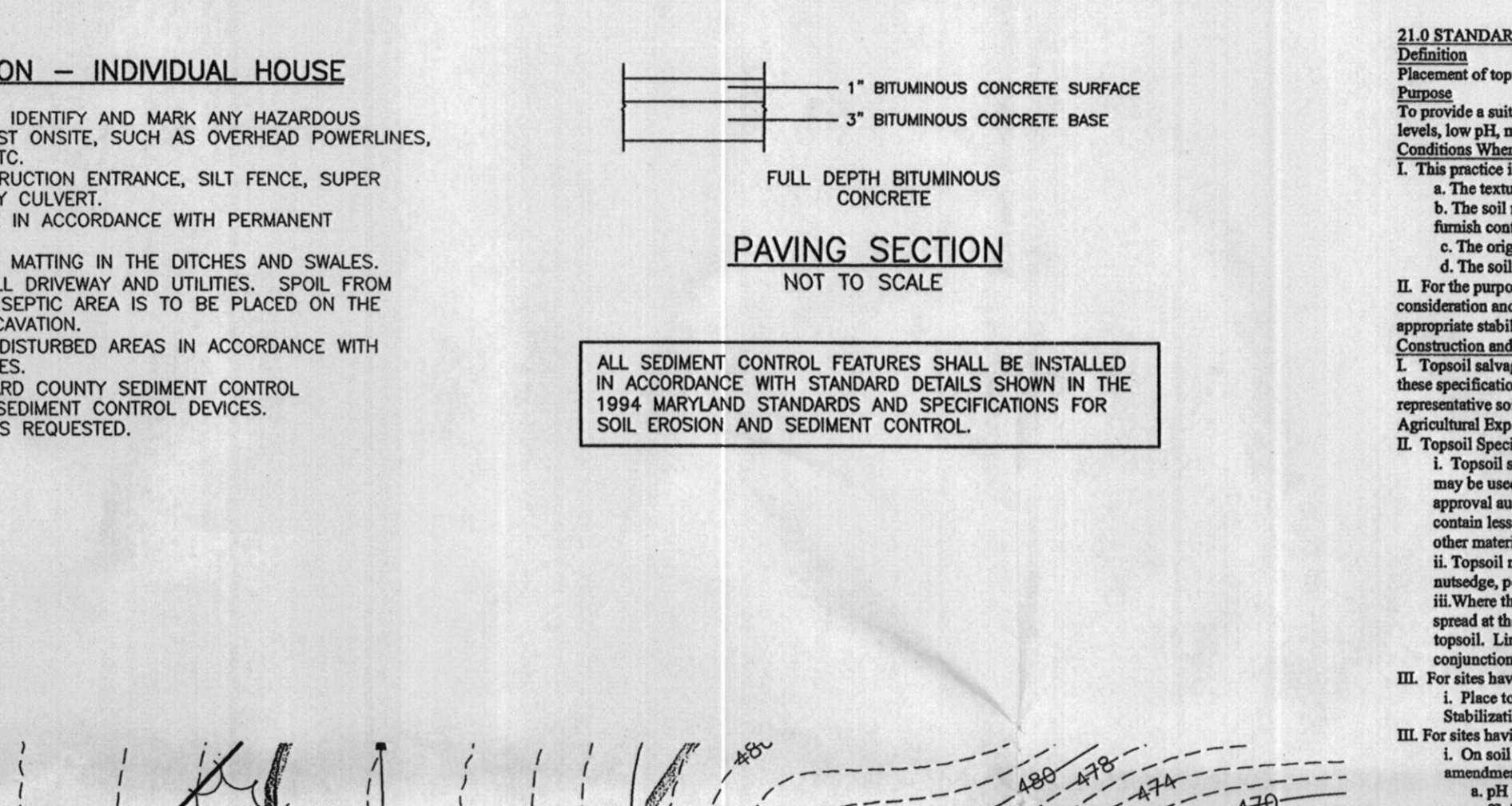
11. Trenches for the construction of utilities is limited to three pipe lengths or that which can be back filled and stabilized within one working day, whichever is shorter.

12. 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 site and notify and gain approval from the sediment control inspector of the site and its grading permit number at the time of construction.

**SEQUENCE OF CONSTRUCTION - INDIVIDUAL HOUSE**

DAY 1	OBTAIN GRADING PERMIT.
DAY 2	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.
DAY 3-4	INSTALL STABILIZED CONSTRUCTION ENTRANCE, SILT FENCE, SUPER SILT FENCE, AND DRIVEWAY CULVERT.
DAY 4-10	GRADE SITE AND STABILIZE IN ACCORDANCE WITH PERMANENT SEEDING NOTES.
DAY 11	INSTALL EROSION CONTROL MATTING IN THE DITCHES AND SWALES.
DAY 12-60	CONSTRUCT HOUSE, INSTALL DRIVEWAY AND UTILITIES. SPOIL FROM THE TRENCHING OF THE SEPTIC AREA IS TO BE PLACED ON THE UPHILL SIDE OF THE EXCAVATION.
DAY 61-63	STABILIZE ANY REMAINING DISTURBED AREAS IN ACCORDANCE WITH PERMANENT SEEDING NOTES.
DAY 64-65	UPON APPROVAL OF HOWARD COUNTY SEDIMENT CONTROL INSPECTOR, REMOVE ALL SEDIMENT CONTROL DEVICES. PERMANENTLY STABILIZE AS REQUESTED.



**21.0 STANDARD AND SPECIFICATIONS FOR TOPSOIL**

**Explanation**  
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 gradation.

**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 containing 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.
- 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 salvaged 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 analysis in the Soil Survey published by USDA in cooperation with Maryland Agricultural Experiment Station.
- Topsoil Substitution - Soil to be used as topsoil must meet the following:
  - Topsoil shall be a loam, sandy loam, silty loam, sandy clay loam, heavy 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 clinders, stones, slag, coarse fragments, gravel, sticks, roots, trash, or other materials larger than 1 1/2" diameter.
  - Topsoil must be free of plants or plant parts such as Bermuda grass, quack grass, Johnson grass, amaranth, poison ivy, stink bugs, or others as specified.
  - When the subsoil is either highly acidic or composed of heavy clays, 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 procedure.
- For sites having disturbed areas under 5 acres:
  - Place topsoil (if required) and apply soil amendments as specified in 20.0 Vegetative Stabilization - Section I - Vegetative Stabilization Methods and Materials.
  - On soil meeting topsoil specifications, obtain test results detailing fertilizer and lime amendments required to bring the soil to 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 soil 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.
- For sites having disturbed areas over 5 acres:
  - On soil meeting topsoil specifications, obtain test results detailing fertilizer and lime amendments required to bring the soil to compliance with the following:
    - Place topsoil (if required) and apply soil amendments as specified in 20.0 Vegetative Stabilization - Section I - Vegetative Stabilization Methods and Materials.
    - Topsoil Application
      - When topsoiling, maintain needed erosion and sediment control practices such as diversion, maintenance structures, earth dikes, slope silt fence and sediment traps and basins.
      - Grades on the area to be topsoiled, which have been previously established, shall be maintained, albeit 4" - 8" higher in elevation.
      - Topsoil shall be uniformly distributed in a 4" - 8" layer and lightly compacted to a minimum thickness of 4". Spreading shall be performed in 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 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 preparation. G-21-2
    - Alternative for Permanent Seeding - Instead of applying the full amounts of lime and commercial fertilizer, composted sludge may be applied as specified below:
      - Composted Sludge Material for use as a soil conditioner for sites having disturbed areas over 5 acres shall be tested to prescribed amendments and for sites having disturbed areas under 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 26.06.06.
        - 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 amendments 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 1/2 the normal lime application rate.

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

**GENERAL NOTES**

- THE LOTS SHOWN HEREON COMPLY 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 OF AT LEAST 10,000 S.F. 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 SEWER IS AVAILABLE. THIS EASEMENT SHALL BECOME NULL AND VOID UPON CONNECTION TO A PUBLIC SEWER SYSTEM. THE COUNTY HEALTH OFFICER SHALL HAVE THE AUTHORITY TO GRANT ADJUSTMENTS TO THE PRIVATE SEWERAGE EASEMENT. RECORDED OF A MODIFIED SEWERAGE EASEMENT PLAT SHALL NOT BE REQUIRED.
- 2 FOOT CONTOURS SHOWN AROUND THE RELOCATED DWELLING WAS FIELD RUN BY BENCHMARK ENGINEERING INC. ON JUNE 18, 2008. SURROUNDING TOPOGRAPHY IS BASED ON HOWARD COUNTY GIS. 2 FOOT CONTOURS HAVE BEEN INTERPOLATED AND VERIFIED.
- THERE ARE NO EXISTING WELLS OR SEPTIC SYSTEMS WITHIN 100' OF THIS PROJECT'S BOUNDARY EXCEPT AS NOTED.
- ANY CHANGES TO A PRIVATE SEWERAGE EASEMENT SHALL REQUIRE A REVISED PERCOLATION CERTIFICATION PLAN.
- THE WELL FOR THE PROPOSED TENANT HOUSE MUST BE DRILLED AND APPROVED BY THE HEALTH DEPARTMENT PRIOR TO BUILDING PERMIT APPLICATION APPROVAL.
- INSTALLATION OF THE NEW SEPTIC SYSTEM MUST BE APPROVED BY THE ATTENDING HEALTH DEPARTMENT INSPECTOR PRIOR TO ISSUANCE OF THE ICOP LETTER.
- ALL BARNS AND OUT BUILDINGS ARE TO REMAIN, AS SHOWN.
- PERCOLATION TEST LOCATIONS 1 THROUGH 6 SHOWN IN THE VICINITY OF THE PROPOSED SEPTIC EASEMENT AT THE BARN ARE APPROXIMATIONS BASED ON BEST FIT OF DATA DESCRIBED BY THE SANITARIAN WHO RECORDED THE TESTS ON SEPTEMBER 15, 1983.
- SHOULD A USE BE PROPOSED FOR THE PLATTED SEPTIC EASEMENT NEAR THE SOUTHWEST PROPERTY LINE ADJOINING LOT 5, PERCOLATION TESTS WILL BE REQUIRED FOR VALIDATION UNLESS DATA FOR THE ORIGINAL PERCOLATION TESTS (1983) CAN BE PRESENTED.

**TEMPORARY SEEDING NOTES**

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

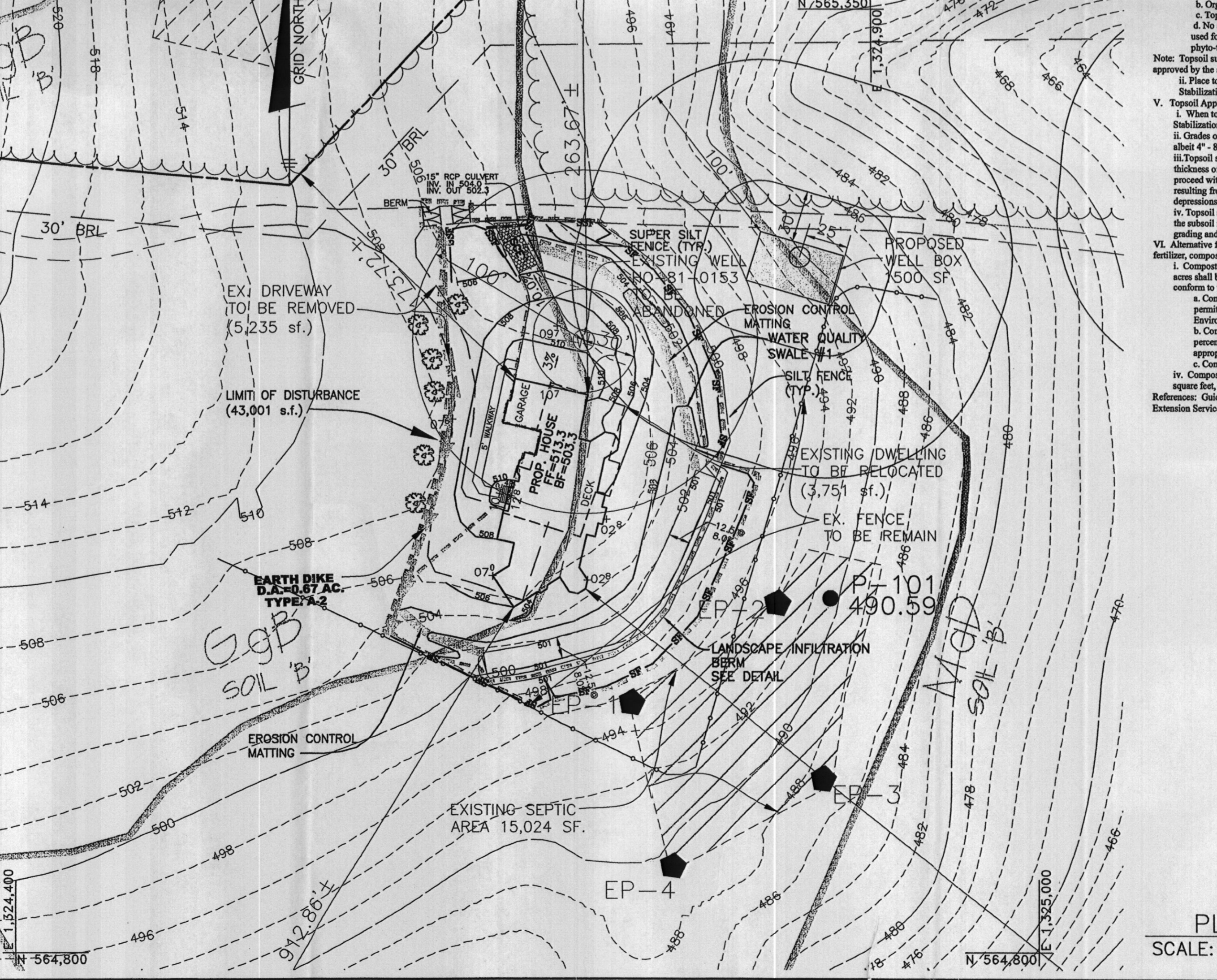
Seeded Preparation: Loosen upper three inches of soil by raking, discing or other acceptable means before seeding. (If not previously loosened)

Soil Amendments: Apply 600 lbs per acre 10-10-10 fertilizer (14 lbs/1000 sf).

Seeding: For periods March 1 through April 30 and from August 15 through November 15, seed with 2-1/2 bushel per acre of annual rye (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 applying 2 tons per acre of well anchored straw mulch and seed as soon as possible in the spring, or use sod.

Mulching: Apply 1-1/2 to 2 tons per acre (70 to 90 lbs/1000 sf) of unrotted small grain straw immediately after seeding. Anchor mulch immediately after application using mulch anchoring tool or 218 gallons per acre (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.



**LEGEND**

- EXISTING CONTOURS
- PROPOSED CONTOURS
- PROPOSED TREELINE
- EXISTING TREELINE
- EXISTING CL STREAM
- LIMIT OF SUBMISSION
- SEPTIC AREA
- SEPTIC AREA ESTABLISHED IN 1983
- SOILS DELINEATION
- TEST HOLE PASSED
- TEST HOLE FAILED
- EXISTING PERC HOLE
- LIMIT OF DISTURBANCE
- PROPOSED WELL BOX
- STABILIZED CONSTRUCTION ENTRANCE
- SILT FENCE
- SUPER SILT FENCE
- EARTHDIKE
- EROSION CONTROL MATTING

**ENGINEER'S 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.

ENGINEER - BRIAN F. CLEARY, P.E. 282559 DATE 5/25/2010

**DEVELOPER'S 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 BUILDER PAUL MUELLER DATE 5/28/10

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

J.P. Robinson/605 DATE 6/2/10

**BENCHMARK ENGINEERING, INC.**

8490 BALTHORE NATIONAL PIKE SUITE 418 & BLOUETT CITY, MARYLAND 21043  
(P) 410-465-6105 (F) 410-465-6444  
60 THOMAS JOHNSON DRIVE & FREDERICK, MARYLAND 21702  
(P) 301-371-3868 (F) 301-371-3868  
WWW.BE-CHILENENGINERS.COM

**STATE OF MARYLAND PROFESSIONAL ENGINEER**

Professional Certification. I hereby certify that these documents were prepared, designed, checked, drawn, and that I am a duly licensed professional engineer under the laws of the State of Maryland, License No. 28559, Expiration Date: 7-22-2011.

PROJECT: GLEN MARY ESTATES LOT 6 PROPOSED HOUSE

LOCATION: TAX MAP: 34, GRID: 5 PARCEL: 15 ELECTION DISTRICT NO. 5 HOWARD COUNTY, MARYLAND

BUILDER: MUELLER HOMES, INC. 7520 MAIN STREET SYKESVILLE, MARYLAND 21784 410-549-4440

TITLE: GRADING PLAN AND SEDIMENT & EROSION CONTROL PLAN, NOTES AND DETAILS

DATE: JANUARY, 2010 PROJECT NO. 2130

SCALE: AS SHOWN SHEET 3 OF 3

Design: HP Draft: HP Check: BFC

PLAN SCALE: 1" = 50'

GP-10-082 5