

**HOWARD COUNTY  
 PERMIT APPLICATION**

**PERMIT NUMBER**  
 110001000

Building Address 11204 Melvin Court  
 Suite/Apt. #: \_\_\_\_\_ SDP/WP/Petition #: \_\_\_\_\_  
 Census Tract \_\_\_\_\_ Subdivision \_\_\_\_\_  
 Section \_\_\_\_\_ Area \_\_\_\_\_ Lot 7  
 Tax Map \_\_\_\_\_ Parcel \_\_\_\_\_ Grid \_\_\_\_\_  
 Zoning \_\_\_\_\_ Map Coordinates \_\_\_\_\_ Lot Size \_\_\_\_\_

Property Owner's Name W...  
 Address \_\_\_\_\_  
 City \_\_\_\_\_ State \_\_\_\_\_ Zip Code \_\_\_\_\_  
 Home Phone \_\_\_\_\_ Work Phone \_\_\_\_\_  
 Applicant's Name & Mailing Address, (if other than stated herein):  
 \_\_\_\_\_  
 \_\_\_\_\_  
 Phone \_\_\_\_\_ Fax \_\_\_\_\_

Existing Use \_\_\_\_\_  
 Proposed Use \_\_\_\_\_  
 Estimated Construction Cost \$ Install 500 gal O/G 3500  
 Description of Work propane tank  
 Occupant or Tenant \_\_\_\_\_  
 Contact Name \_\_\_\_\_  
 Address \_\_\_\_\_  
 City \_\_\_\_\_ State \_\_\_\_\_ Zip Code \_\_\_\_\_  
 Phone \_\_\_\_\_ Fax \_\_\_\_\_

Contractor Company \_\_\_\_\_  
 Contact Person \_\_\_\_\_  
 Address \_\_\_\_\_  
 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 DESCRIPTION - RESIDENTIAL**

<p><b>Building Characteristics</b></p> <p>Height: _____                  No. of stories: _____                  Gross area, sq. ft. per floor: _____                  Use group: _____                  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</p>	<p><b>Utilities</b></p> <p>Water Supply:  <input type="checkbox"/> Public  <input type="checkbox"/> Private                  Sewage Disposal:  <input type="checkbox"/> Public  <input type="checkbox"/> Private                  Electric Yes <input type="checkbox"/> No <input type="checkbox"/>                  Gas Yes <input type="checkbox"/> No <input type="checkbox"/>                  Heating System:                  Electric <input type="checkbox"/> Oil <input type="checkbox"/>                  Natural Gas <input type="checkbox"/>                  Propane Gas <input type="checkbox"/>                  Sprinkler system: N/A <input type="checkbox"/>  <input type="checkbox"/> Full  <input type="checkbox"/> Partial                  Other Suppression                  # of Heads _____</p>
--	--

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

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 \_\_\_\_\_  
 Email Address \_\_\_\_\_  
 Title/Company \_\_\_\_\_

Print Name John Henry  
 Date 1/13/10

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

**- FOR OFFICE USE ONLY -**

AGENCY	DATE	SIGNATURE	APPROVAL
Land Development, DPZ			
State Highways			
Building Officials			
Dev. Engineering, DPZ			
Health	<u>9-2-10</u>	<u>D Bernard</u>	
Fire Protection			

**DPZ SETBACK INFORMATION**

Front: \_\_\_\_\_  
 Rear: \_\_\_\_\_  
 Side: \_\_\_\_\_  
 Side St.: \_\_\_\_\_  
 All minimum setbacks met?  
 YES  NO

**PROPERTY ID #**

Filing fee \$ \_\_\_\_\_  
 Permit fee \$ \_\_\_\_\_  
 Excise tax \$ \_\_\_\_\_  
 Add'l per fee \$ \_\_\_\_\_  
 TOTAL FEES \$ \_\_\_\_\_  
 Sub-total paid \$ \_\_\_\_\_  
 Balance due \$ \_\_\_\_\_  
 Check # \_\_\_\_\_  
 Validation # \_\_\_\_\_

Is Sediment Control approval required prior to issuance?  
 YES  NO

Is Entrance Permit Required?  
 YES  NO   
 Historic District?  
 YES  NO

CONTINGENCY CONSTRUCTION START:   
 ONE STOP SHOP:

Lot Coverage for New Town Zone \_\_\_\_\_  
 SDP/Red-line approval date \_\_\_\_\_ Accepted by \_\_\_\_\_

B1000000

Building Address 11204 Marlborough Ct  
Woodbine, MD 21793  
 Suite/Apt. #: \_\_\_\_\_ SDP/WP/Petition #: GP-10-51  
 Census Tract \_\_\_\_\_ Subdivision Seagoville Knolls  
 Section \_\_\_\_\_ Area \_\_\_\_\_ Lot 7  
 Tax Map \_\_\_\_\_ Parcel \_\_\_\_\_ Grid \_\_\_\_\_  
 Zoning \_\_\_\_\_ Map Coordinates \_\_\_\_\_ Lot Size \_\_\_\_\_

Property Owner's Name NVR, Inc.  
 Address 6085 Marshalee Drive Suite 130  
 City Elkridge State MD Zip Code 21075  
 Home Phone \_\_\_\_\_ Work Phone \_\_\_\_\_  
 Applicant's Name & Mailing Address, (if other than stated herein):  
Jim Kerwin  
P.O. Box 552  
Woodbine MD 21797  
 Phone 443-309-7792 Fax 410-489-0550

Existing Use Vacant lot  
 Proposed Use Single family house  
 Estimated Construction Cost \$ 250,000  
 Description of Work New 2 story "cypress" with 2 car garage, morning room, finished basement  
 Occupant or Tenant \_\_\_\_\_  
 Contact Name \_\_\_\_\_  
 Address \_\_\_\_\_  
 City \_\_\_\_\_ State \_\_\_\_\_ Zip Code \_\_\_\_\_  
 Phone \_\_\_\_\_ Fax \_\_\_\_\_

Contractor Company NV Homes  
 Contact Person Matt Atwell  
 Address 6085 Marshalee Dr  
 City \_\_\_\_\_ State \_\_\_\_\_ Zip Code \_\_\_\_\_  
 License No. 56  
 Phone 410-379-5956 Fax 410-379-2430  
 Engineer or Architect Company \_\_\_\_\_  
 Contact Person \_\_\_\_\_  
 Address \_\_\_\_\_  
 City \_\_\_\_\_ State \_\_\_\_\_ Zip Code \_\_\_\_\_  
 Phone \_\_\_\_\_ Fax \_\_\_\_\_

**BUILDING DESCRIPTION - COMMERCIAL**

**BUILDING DESCRIPTION - RESIDENTIAL**

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

Building Characteristics	Utilities
SF Dwelling <input checked="" type="checkbox"/> SF Townhouse <input type="checkbox"/>	Water Supply: _____ Public _____ Private _____
Depth _____ Width _____ 1 <sup>st</sup> floor: <u>51 x 52</u> 2 <sup>nd</sup> floor: <u>35 x 52</u> Basement: <u>51 x 52</u>	Sewage Disposal: _____ Public _____ Private _____
Finished Basement <input type="checkbox"/> Unfinished Basement <input type="checkbox"/> Crawl space <input type="checkbox"/> Slab on Grade <input type="checkbox"/>	Electric Yes <input type="checkbox"/> No <input type="checkbox"/>
No. of Bedrooms <u>4</u>	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: _____ Electric <input checked="" type="checkbox"/> Oil <input type="checkbox"/> Natural Gas <input type="checkbox"/> Propane Gas <input type="checkbox"/>
Other Structure: _____ Dimensions: _____ Footings: _____ Roof: _____	Sprinkler system: N/A <input type="checkbox"/> NFPA #13D _____ NFPA #13R _____ 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 I 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 ON THIS PROPERTY FOR THE PURPOSE OF INSPECTING THE WORK PERMITTED AND POSTING NOTICES.

Applicant's Signature Jim Kerwin  
 Email Address \_\_\_\_\_  
 Title/Company \_\_\_\_\_

Print Name Jim Kerwin  
 Date 7/1/2010

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

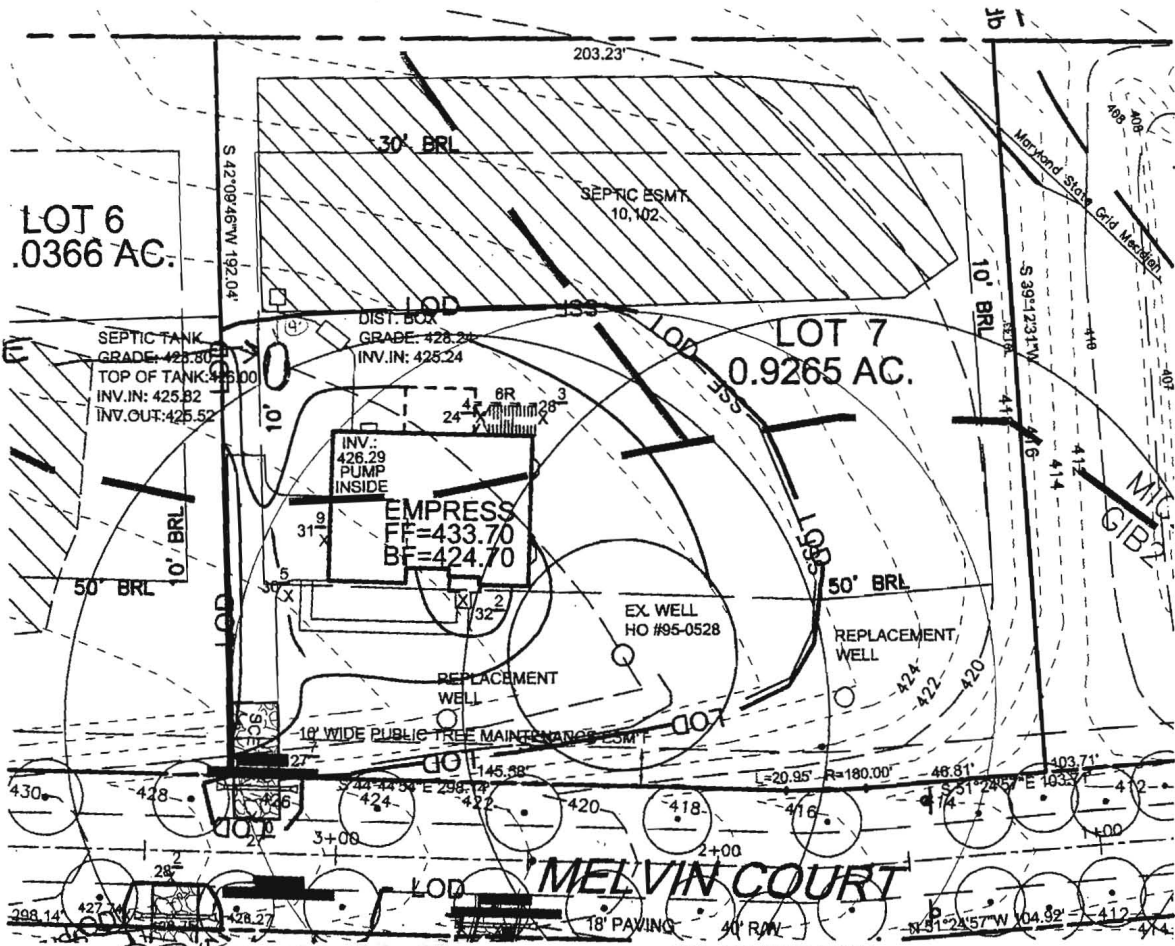
AGENCY	DATE	SIGNATURE APPROVAL	DPZ SETBACK INFORMATION	PROPERTY ID #
Land Development, DPZ			Front: _____	Filing fee \$ _____
State Highways			Rear: _____	Permit fee \$ _____
Building Officials			Side: _____	Excise tax \$ _____
Dev. Engineering, DPZ			Side St.: _____	Add'l per fee \$ _____
Health <u>6-16-10</u> <u>Dana Bernard</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 # _____
			Lot Coverage for New Town Zone _____	Validation # _____
CONTINGENCY CONSTRUCTION START: <input type="checkbox"/>			SDP/Red-line approval date _____	Accepted by _____
ONE STOP SHOP: <input type="checkbox"/>				



REVISED

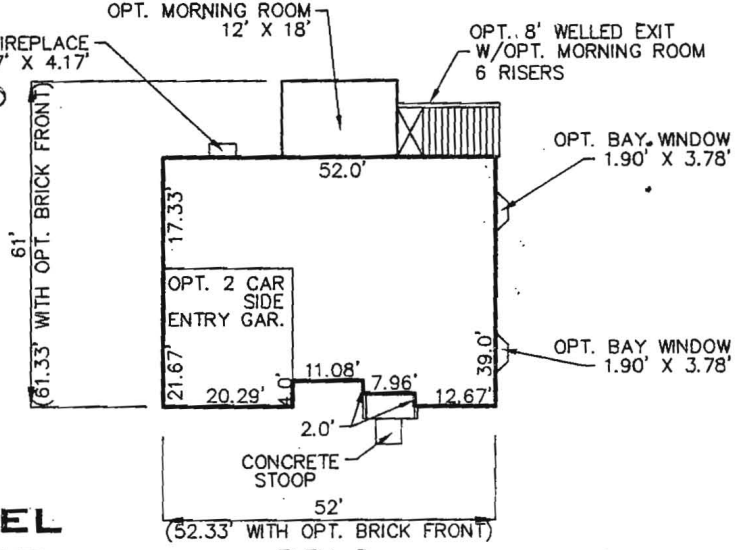
Date: 8/31/2010

Comments: B10002548  
11204 melvin ct, lot 7



*BPA # 10002548  
Approved DB  
As shown 9-2-10*

THE EXISTING WELL SHOWN ON LOT 7 TAG NO. HO-95-0528 HAVE BEEN FIELD LOCATED BY ROBERT H. VOGEL ENGINEERING, INC.  
BUILDING OF LOT 7  
GROSS FLOOR AREA: 2,708 SF.



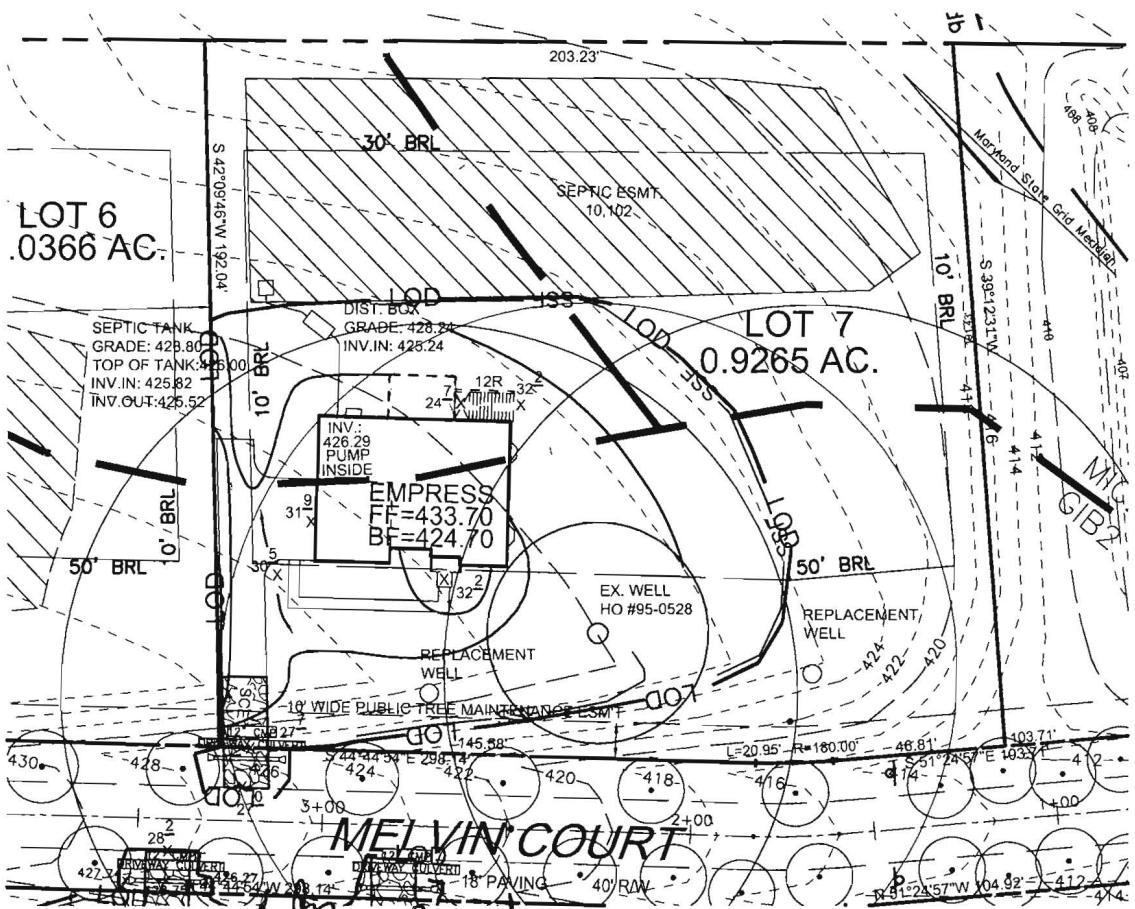
**VA ROBERT H. VOGEL ENGINEERING, INC.**  
ENGINEERS • SURVEYORS • PLANNERS  
8407 MAIN STREET TEL: 410.461.7666  
ELLCOTT CITY, MD 21043 FAX: 410.461.8961

ELEV. D  
**EMPRESS**  
1"=30'

SCALE: 1"=50'  
DRAWN BY: KG/HS  
CHECKED BY: RHV  
DATE: JUNE 2010  
W. O. #: 04-49  
SHEET # 1 OF 1

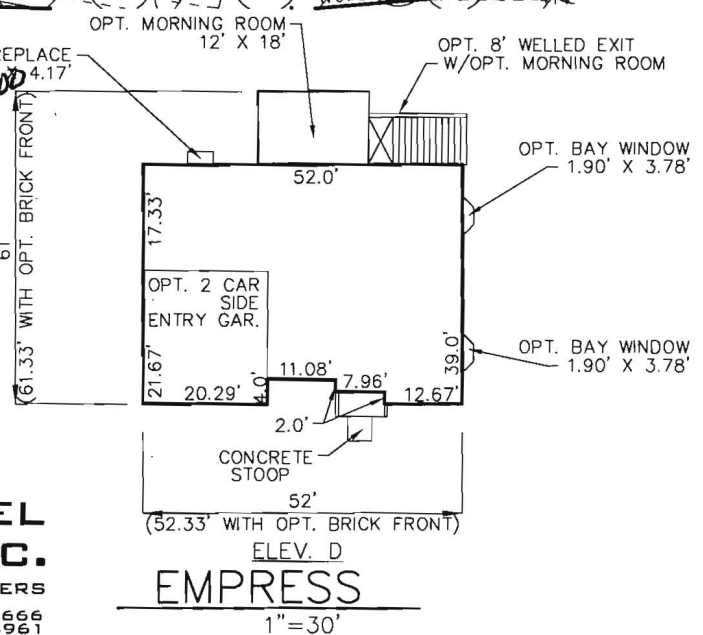
NV HOMES  
**SCAGGSVILLE KNOLLS**  
F-06-091  
LOT 7  
11204 MELVIN COURT

TAX MAP 46 BLOCK 3&9  
5TH ELECTION DISTRICT  
PARCEL 118  
HOWARD COUNTY, MARYLAND



*\*Approved in  
Access 6-16-10DB  
Building Permit  
# B10000700*

THE EXISTING WELL SHOWN ON  
LOT 7 TAG NO. HO-95-0528  
HAVE BEEN FIELD LOCATED BY  
ROBERT H. VOGEL ENGINEERING,  
INC.  
BUILDING OF LOT 7  
GROSS FLOOR AREA: 2,708 SF.



**ROBERT H. VOGEL ENGINEERING, INC.**  
ENGINEERS • SURVEYORS • PLANNERS  
8407 MAIN STREET TEL: 410.461.7666  
ELLCOTT CITY, MD 21043 FAX: 410.461.8961

SCALE: 1"=50'  
DRAWN BY: KG/HS  
CHECKED BY: RHV  
DATE: JUNE 2010  
W. O. #: 04-49  
SHEET # 1 OF 1

NV HOMES  
**SCAGGSVILLE KNOLLS**  
F-06-091  
LOT 7  
11204 MELVIN COURT

TAX MAP 46 BLOCK 3&9  
5TH ELECTION DISTRICT  
PARCEL 118  
HOWARD COUNTY, MARYLAND

8/31/10

**RECEIVED**

AUG 31 2010

LICENSES & PERMITS  
DIVISION

To whom it may concern:

Please see the attached Revised site plan

Reflecting new location for proposed propane tank  
and a properly scaled plat, PER COMMENTS from  
the Health Dept.

PERMIT #: B10002548

ADDRESS: 11204 MELVIN Ct., LOT #7

CC: DED  
Health  
Scanned 8/31/10

Sincerely,

JEREMY Clancy

7051 Macbeth way  
Eldersburg md 21784

cell: (443) 340-1229



7178 Columbia Gateway Drive, Columbia MD 21046  
Phone (410) 313-2640 Fax (410) 313-2648  
TDD (410) 313-2323 Toll Free 1-866-313-6300  
Website: [www.hchealth.org](http://www.hchealth.org)

**Peter L. Beilenson, M.D., M.P.H., Health Officer**

August 23, 2010

RE: **Building Permit # B10002548**  
**11204 Melvin Court, Lot #7**  
**Building Site Plan**

VALLEY NATIONAL GASES  
c/o William Gerwig  
7201 Montevideo Road  
Jessup, Maryland 20794:

Prior to building permit approval, an approved Building Plan is required. Further review is contingent upon submission of a Revised Building Plan showing the following:

- Plan should be drawn to a reasonable scale between 1:30 and 1:100 and noted on plan.
- Propane tank must be 5 feet from septic tank.

Your building permit will be placed "on hold" until all Health Dept. requirements are met. If you have any questions or correspondence, I can be reached at the above address or by telephone at (410) 313-2775.

Respectfully,  
  
Dana Bernard, Environmental Sanitarian  
Bureau of Environmental Health  
Well and Septic Program  
Phone (410) 313-2775

cc: Well & Septic program file  
NV Homes  
c/o Jeremy Clancey



7178 Columbia Gateway Drive, Columbia MD 21046  
Phone (410) 313-2640 Fax (410) 313-2648  
TDD (410) 313-2323 Toll Free 1-866-313-6300  
Website: [www.hchealth.org](http://www.hchealth.org)

**Peter L. Beilenson, M.D., M.P.H., Health Officer**

June 14, 2010

RE: **Building Permit # B10000700**  
**Tax Map 46, Parcel 118 Lot #7**  
**Building Site Plan**

NV Home Builders:

A building plan and a percolation certification plan were submitted to our office for building permit # B10000700. Information must be provided on one plan and submitted as the building plan. Prior to building permit approval, an approved Building Site Plan is required. Further review is contingent upon submission of a Building Site Plan showing the following:

- Show all existing wells and replacement wells. There must be 1 existing well and 2 replacement sites on building plan. Wells on property must be 50 feet apart.
- Show the exact location of septic system components such as septic tank and distribution box.
- Elevations for the septic system inverts. (i.e. Invert at the house, grade elevations at the house, inverts in and out of septic tank and invert into distribution box.
- Square footage of house must be noted on plan.

In addition, the General Notes on the building site plan must include the following statement:

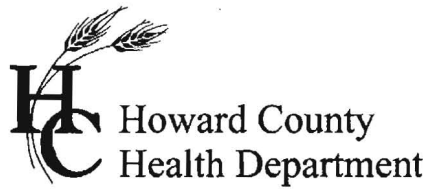
- **“The existing well(s) shown on this plan (identified with the attached well tag number ex: (HO-95-0528) has been located by \_\_\_\_\_ (individual or company name).**

I hope these comments and enclosures are helpful in preparing your plan. Your building permit will be placed “on hold” until all Health Department requirements are met. If you have any questions or correspondence, I can be reached at the above address or by telephone at (410) 313-2775.

Respectfully,

Dana L. Bernard, Sanitarian  
Bureau of Environmental Health  
Well and Septic Program  
Phone (410) 313-2775  
E-mail: [DBernard@howardcountymd.gov](mailto:DBernard@howardcountymd.gov)

cc: Well & Septic program file



7178 Columbia Gateway Drive, Columbia MD 21046

Phone (410) 313-2640

Fax (410) 313-2648

TDD (410) 313-2323

Toll Free 1-866-313-6300

Website: [www.hchealth.org](http://www.hchealth.org)

Peter L. Beilenson, M.D., M.P.H., Health Officer

April 7, 2010

RE: **Building Permit # B10000700**  
**Tax Map 46, Parcel 118 Lot #7**  
**Building Site Plan**

NV Home Builders:

Prior to building permit approval, an approved Building Site Plan is required. Further review is contingent upon submission of a Building Site Plan showing the following:

- Show all existing wells and replacement wells. There must be 1 existing well and 2 replacement sites on building plan. Wells on property must be 50 feet apart.
- Show the exact location of septic system components such as septic tank and distribution box.
- Elevations for the septic system inverts. (i.e. Invert at the house, grade elevations at the house, inverts in and out of septic tank and invert into distribution box.
- Square footage of house must be noted on plan.

In addition, the General Notes on the building site plan must include the following statement:

- **"The existing well(s) shown on this plan** (identified with the attached well tag number ex: (HO-95-0528) **has been located by** \_\_\_\_\_ (individual or company name).

I hope these comments and enclosures are helpful in preparing your plan. Your building permit will be placed "on hold" until all Health Department requirements are met. If you have any questions or correspondence, I can be reached at the above address or by telephone at (410) 313-2775.

Respectfully,

Dana L. Bernard, Sanitarian

Bureau of Environmental Health

Well and Septic Program

Phone (410) 313-2775

E-mail: [DBernard@howardcountymd.gov](mailto:DBernard@howardcountymd.gov)

cc: Well & Septic program file

**ROBERT H. VOGEL ENGINEERING, INC.**  
**ENGINEERS • SURVEYORS • PLANNERS**

June 8, 2010

Ms. Dana Bernard  
Howard County Health Department  
7178 Columbia Gateway Drive  
Columbia, Maryland 21046

Re: Scaggsville Knolls, Lot 7  
Permit No. B10000700

Dear Mr. Bricker

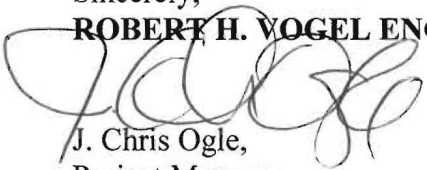
We are in receipt of your comment letter dated April 7, 2010 for the above referenced project and offer the following response:

- The well on Lot 7 is as approved per the percolation certification plan. There were no other well areas shown.
- The septic tank and distribution box locations are now provided.
- The inverts of the house, septic tank and distribution box are now provided.
- The gross area of the house is now provided in a note on the grading plan.
- The entire lot is now provided on the permit plan.
- The note referencing the existing well information is now provided on the grading plan.

Attached you will find 2 copies of the revised grading plan and 2 copies of the revised permit plan. Should you have any questions regarding this matter, please do not hesitate to contact this office.

Sincerely,

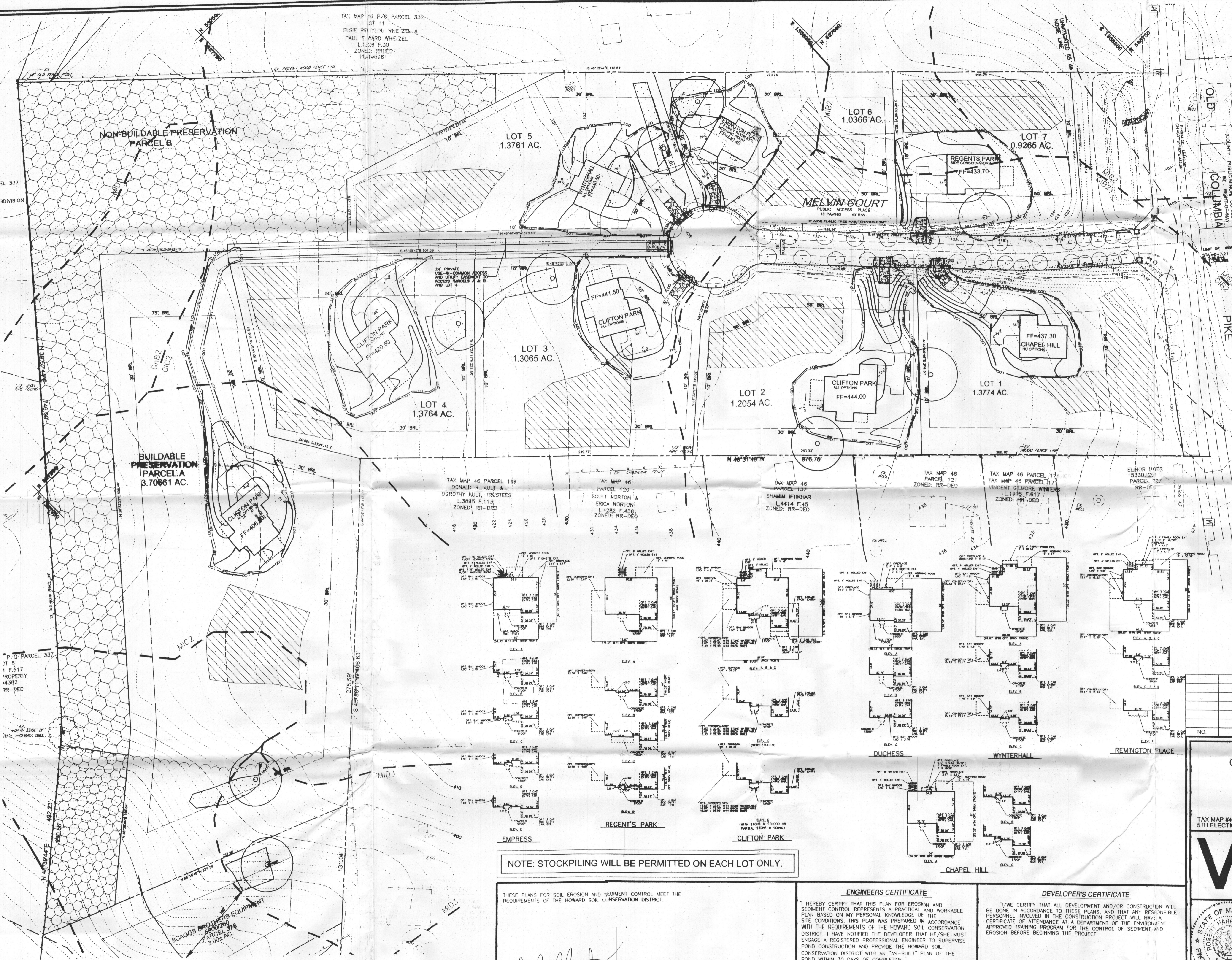
**ROBERT H. VOGEL ENGINEERING, INC.**



J. Chris Ogle,  
Project Manager

**LEGEND**

- - - - - EXISTING 10' CONTOUR
- - - - - EXISTING 2' CONTOUR
- - - - - EXISTING SOILS
- - - - - PROPOSED 10' CONTOUR
- - - - - PROPOSED 2' CONTOUR
- - - - - PROPOSED SPOT ELEVATION
- [Symbol] STABILIZED CONSTRUCTION ENTRANCE
- [Symbol] SUPER 181 FENCE
- - - - - LIMIT OF DISTURBANCE



THE EXISTING WELL SHOWN ON LOT 7 TAG NO. **HO-95-0528** HAVE BEEN FIELD LOCATED BY ROBERT H. VOGEL ENGINEERING, INC. BUILDING OF LOT 7 GROSS FLOOR AREA: **2,708 SQ. FT.**

STORMWATER MANAGEMENT HAS BEEN PROVIDED UNDER F-06-091 BY A BIO-RETENTION FACILITY AND GRASS SWALES.

**DEVELOPER**  
 NV HOMES  
 6085 MARSHALEE DRIVE, SUITE 130  
 ELK RIDGE, MD 21075  
 (410) 379-5956

NO.	REVISION	DATE

**GRADING & SEDIMENT CONTROL PLAN**

**SCAGGSVILLE KNOLLS**  
 LOTS 1-7

TAX MAP #46 GRID 3 & 9 PARCEL 118  
 5TH ELECTION DISTRICT HOWARD COUNTY, MARYLAND

**ROBERT H. VOGEL ENGINEERING, INC.**  
 ENGINEERS • SURVEYORS • PLANNERS  
 8407 MAIN STREET ELIGOTT CITY, MD 21043 TEL: 410.461.7666 FAX: 410.461.8961

NOTE: STOCKPILING WILL BE PERMITTED ON EACH LOT ONLY.

THESE PLANS FOR SOIL EROSION AND SEDIMENT CONTROL MEET THE REQUIREMENTS OF THE HOWARD SOIL CONSERVATION DISTRICT.

**ENGINEERS CERTIFICATE**

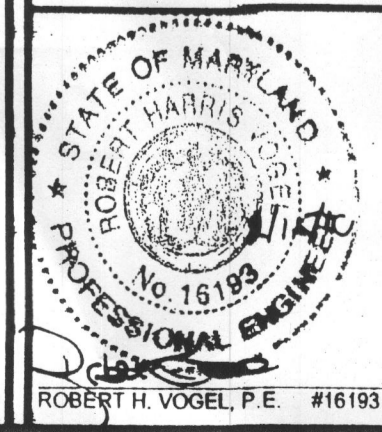
I HEREBY CERTIFY THAT THIS PLAN FOR EROSION AND SEDIMENT CONTROL REPRESENTS A PRACTICAL AND WORKABLE PLAN BASED ON MY PERSONAL KNOWLEDGE OF THE SITE CONDITIONS. THIS PLAN WAS PREPARED IN ACCORDANCE WITH THE REQUIREMENTS OF THE HOWARD SOIL CONSERVATION DISTRICT. I HAVE NOTIFIED THE DEVELOPER THAT HE/SHE MUST ENGAGE A REGISTERED PROFESSIONAL ENGINEER TO SUPERVISE POND CONSTRUCTION AND PROVIDE THE HOWARD SOIL CONSERVATION DISTRICT WITH AN "AS-BUILT" PLAN OF THE POND WITHIN 30 DAYS OF COMPLETION.

Signature of Engineer: *Robert H. Vogel*  
 DATE: 2/15/10

**DEVELOPER'S CERTIFICATE**

I HEREBY CERTIFY THAT ALL DEVELOPMENT AND/OR CONSTRUCTION WILL BE DONE IN ACCORDANCE TO THESE PLANS, AND THAT ANY RESPONSIBLE PERSONNEL INVOLVED IN THE CONSTRUCTION PROJECT WILL HAVE A CERTIFICATE OF ATTENDANCE AT A DEPARTMENT OF THE ENVIRONMENT APPROVED TRAINING PROGRAM FOR THE CONTROL OF SEDIMENT AND EROSION BEFORE BEGINNING THE PROJECT.

Signature of Developer: *Robert H. Vogel*  
 DATE: 2/15/10



DESIGN BY: JCO  
 CHECKED BY: JCO  
 DRAWN BY: RHV  
 DATE: FEBRUARY 2010  
 SCALE: 1"=50'  
 W.D. NO.: 04-49-02

**PROFESSIONAL CERTIFICATE**  
 I HEREBY CERTIFY THAT THESE DOCUMENTS WERE PREPARED OR APPROVED BY ME, AND THAT I AM A DAILY LICENSED PROFESSIONAL ENGINEER UNDER THE LAWS OF THE STATE OF MARYLAND, LICENSE NO. 16193 EXPIRATION DATE: 09-27-2010

## SEDIMENT CONTROL NOTES

- A MINIMUM OF 48 HOURS NOTICE MUST BE GIVEN TO THE HOWARD COUNTY DEPARTMENT OF INSPECTION, LICENSE AND PERMITS SEDIMENT CONTROL DIVISION PRIOR TO THE START OF ANY CONSTRUCTION (313-1855).
- ALL VEGETATION AND STRUCTURAL PRACTICES ARE TO BE INSTALLED ACCORDING TO THE PROVISIONS OF THIS PLAN AND ARE TO BE IN CONFORMANCE WITH THE 1994 MARYLAND STANDARDS AND SPECIFICATIONS FOR SOIL EROSION AND SEDIMENT CONTROL AND REVISIONS THERETO.
- FOLLOWING INITIAL SOIL DISTURBANCE OR REDISTURBANCE, PERMANENT OR TEMPORARY STABILIZATION SHALL BE COMPLETED WITHIN: (A) 7 CALENDAR DAYS FOR ALL PERIMETER SEDIMENT CONTROL STRUCTURES, DIKES, PERIMETER SLOPES, AND ALL SLOPES GREATER THAN 3:1, (B) 14 DAYS AS TO ALL OTHER DISTURBED OR GRADED AREAS ON THE PROJECT SITE.
- ALL SEDIMENT TRAPS/BASINS SHOWN MUST BE FENCED AND WARNING SIGNS POSTED AROUND THEIR PERIMETER IN ACCORDANCE WITH VOL. 1, CHAPTER 7, HOWARD COUNTY DESIGN MANUAL, STORM DRAINAGE.
- ALL DISTURBED AREAS MUST BE STABILIZED WITHIN THE TIME PERIOD SPECIFIED ABOVE IN ACCORDANCE WITH THE 1994 MARYLAND STANDARDS AND SPECIFICATIONS FOR SOIL EROSION AND SEDIMENT CONTROL FOR PERMANENT SEEDING, SOD, TEMPORARY SEEDING, AND MULCHING (SEC. G). TEMPORARY STABILIZATION WITH MULCH ALONE SHALL 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 PERMITS FOR THEIR REMOVAL HAS BEEN OBTAINED FROM THE HOWARD COUNTY SEDIMENT CONTROL INSPECTOR.
- SITE ANALYSIS:
 

	TOTAL
AREA DISTURBED	16.19 AC
AREA TO BE ROOFED OR PAVED	2.91 AC
AREA TO BE VEGETATIVELY STABILIZED	0.66 AC
TOTAL CUT	2.25 AC
TOTAL FILL	4500 CY
OFFSITE WASTE/BORROW AREA LOCATION	4500 CY
- 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 SEDIMENT CONTROL INSPECTOR.
- ON ALL SITES WITH DISTURBED AREAS IN EXCESS OF 2 ACRES, APPROVAL OF THE INSPECTION AGENCY SHALL BE REQUESTED UPON COMPLETION OF INSTALLATION OF PERIMETER EROSION AND SEDIMENT CONTROLS, BUT BEFORE PROCEEDING WITH ANY OTHER EARTH DISTURBANCE OR GRADING, OTHER BUILDING OR GRADING INSPECTION APPROVALS MAY NOT BE AUTHORIZED UNTIL THIS INITIAL APPROVAL BY THE INSPECTION AGENCY IS MADE.
- TRENCHES FOR THE CONSTRUCTION OF UTILITIES IS LIMITED TO THREE PIPE LENGTHS OR THAT WHICH SHALL BE BACK-FILLED AND STABILIZED WITHIN ONE WORKING DAY, WHICHEVER IS SHORTER.
- ESTIMATES OF EARTHWORK QUANTITIES ARE PROVIDED SOLELY FOR THE PURPOSE OF CALCULATING FEES.
  - \* TO BE DETERMINED BY CONTRACTOR, WITH PRE-APPROVAL OF THE SEDIMENT CONTROL INSPECTOR WITH AN APPROVED AND ACTIVE GRADING PERMIT

## 21.0 STANDARDS AND SPECIFICATIONS FOR TOPSOIL

- DEFINITION**  
PLACEMENT OF TOPSOIL OVER A PREPARED SUBSOIL PRIOR TO ESTABLISHMENT OF PERMANENT VEGETATION.
- PURPOSE**  
TO PROVIDE A SUITABLE SOIL MEDIUM FOR VEGETABLE 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 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.
  - 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 SECTION IN THE SOIL SURVEY PUBLISHED BY USDA-SCS IN COOPERATION WITH MARYLAND AGRICULTURAL EXPERIMENTAL 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 A 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 CLIMBERS, STONES, SLAG, COARSE FRAGMENTS, GRAVEL, STICKS, CINDERS, TRASH, OR OTHER MATERIALS LARGER THAN 1 AND 1/2" IN DIAMETER.
      - TOPSOIL MUST BE FREE OF PLANTS OR PLANT PARTS SUCH AS BERMUDA GRASS, QUACKGRASS, JOHNSONGRASS, NUTSEDGE, POISON IVY, THISTLE, OR OTHERS AS SPECIFIED.
      - WHERE 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 PROCEDURES.
  - FOR SITES HAVING DISTURBED AREAS UNDER 5 ACRES:
    - PLACE TOPSOIL (IF REQUIRED) AND APPLY SOIL AMENDMENTS AS SPECIFIED IN 20.0 VEGETATIVE STABILIZATION -
- IV. 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 PHYTO-TOXIC 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.
  - PLACE TOPSOIL (IF REQUIRED) AND APPLY SOIL AMENDMENTS 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 DIVERSIONS, 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" - 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 SUCH A MANNER THAT SODDING OR SEEDING CAN PROCEED WITH A MINIMUM OF ADDITIONAL SOIL 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.

## PERMANENT SEEDING NOTES

- APPLY TO GRADED OR CLEARED AREAS NOT SUBJECT TO IMMEDIATE FURTHER DISTURBANCE WHERE A PERMANENT LONG-LIVED VEGETATIVE COVER IS NEEDED.
- SEEDBED PREPARATION: LOOSEN UPPER THREE INCHES OF SOIL BY RAKING, DISCING OR OTHER ACCEPTABLE MEANS BEFORE SEEDING, IF NOT PREVIOUSLY LOOSENED.
- SOIL AMENDMENTS: IN LIEU OF SOIL TEST RECOMMENDATIONS, USE ONE OF THE FOLLOWING SCHEDULES:
- PREFERRED-APPLY 2 TONS PER ACRE DOLOMITIC LIMESTONE (92 LBS./100 SQ.FT.) AND 600 LBS. PER ACRE 10-10-10 FERTILIZER (14 LBS./1000 SQ.FT.) BEFORE SEEDING. HARROW OR DISC INTO UPPER THREE INCHES OF SOIL. AT THE TIME OF SEEDING, APPLY 400 LBS. PER ACRE 30-0-0 UREAFORM FERTILIZER (9 LBS./1000 SQ.FT.)
  - ACCEPTABLE-APPLY 2 TONS PER ACRE DOLOMITIC LIMESTONE (92 LBS./1000 SQ.FT.) AND APPLY 1000 LBS. PER ACRE 10-10-10 FERTILIZER (23 LBS./1000 SQ.FT.) BEFORE SEEDING. HARROW OR DISC INTO UPPER THREE INCHES OF SOIL.
- SEEDING: FOR THE PERIODS MARCH 1 THRU APRIL 30, AND AUGUST 1 THRU OCTOBER 15, SEED WITH 60 LBS. PER ACRE (1.4 LBS./1000 SQ.FT.) OF KENTUCKY 31 TALL FESCUE. FOR THE PERIOD MAY 1 THRU JULY 31, SEED WITH 60 LBS. KENTUCKY 31 TALL FESCUE PER ACRE AND 2 LBS. PER ACRE WITH 60 LBS. KENTUCKY 31 TALL FESCUE PER ACRE AND 2 LBS. PER ACRE (.05 LBS./1000 SQ.FT.) OF WEEPING LOVEGRASS. DURING THE PERIOD OF OCTOBER 16 THRU FEBRUARY 28, PROTECT SITE BY: OPTION (1) 2 TONS PER ACRE WELL ANCHORED STRAW MULCH AND SEED AS SOON AS POSSIBLE IN THE SPRING. OPTION (2) USE SOD. OPTION (3) SEED WITH 80 LBS./ACRE KENTUCKY 31 TALL FESCUE AND MULCH WITH 2 TONS/ACRE WELL ANCHORED STRAW.
- MULCHING: APPLY 1 1/2 TO 2 TONS PER ACRE (70 TO 90 LBS./1000 SQ. FT.) OF UNROTTED SMALL GRAIN STRAW IMMEDIATELY AFTER SEEDING. ANCHOR MULCH IMMEDIATELY AFTER APPLICATION USING MULCH ANCHORING TOOL OR 218 GALLONS PER ACRE (5 GAL/1000 SQ.FT.) OF EMULSIFIED ASPHALT ON FLAT AREAS. ON SLOPES 8 FEET OR HIGHER, USE 348 GALLONS PER ACRE (8 GAL/1000 SQ.FT.) FOR ANCHORING.
- MAINTENANCE: INSPECT ALL SEEDED AREAS AND MAKE NEEDED REPAIRS, REPLACEMENTS AND RESEEDINGS.

## TEMPORARY SEEDING NOTES

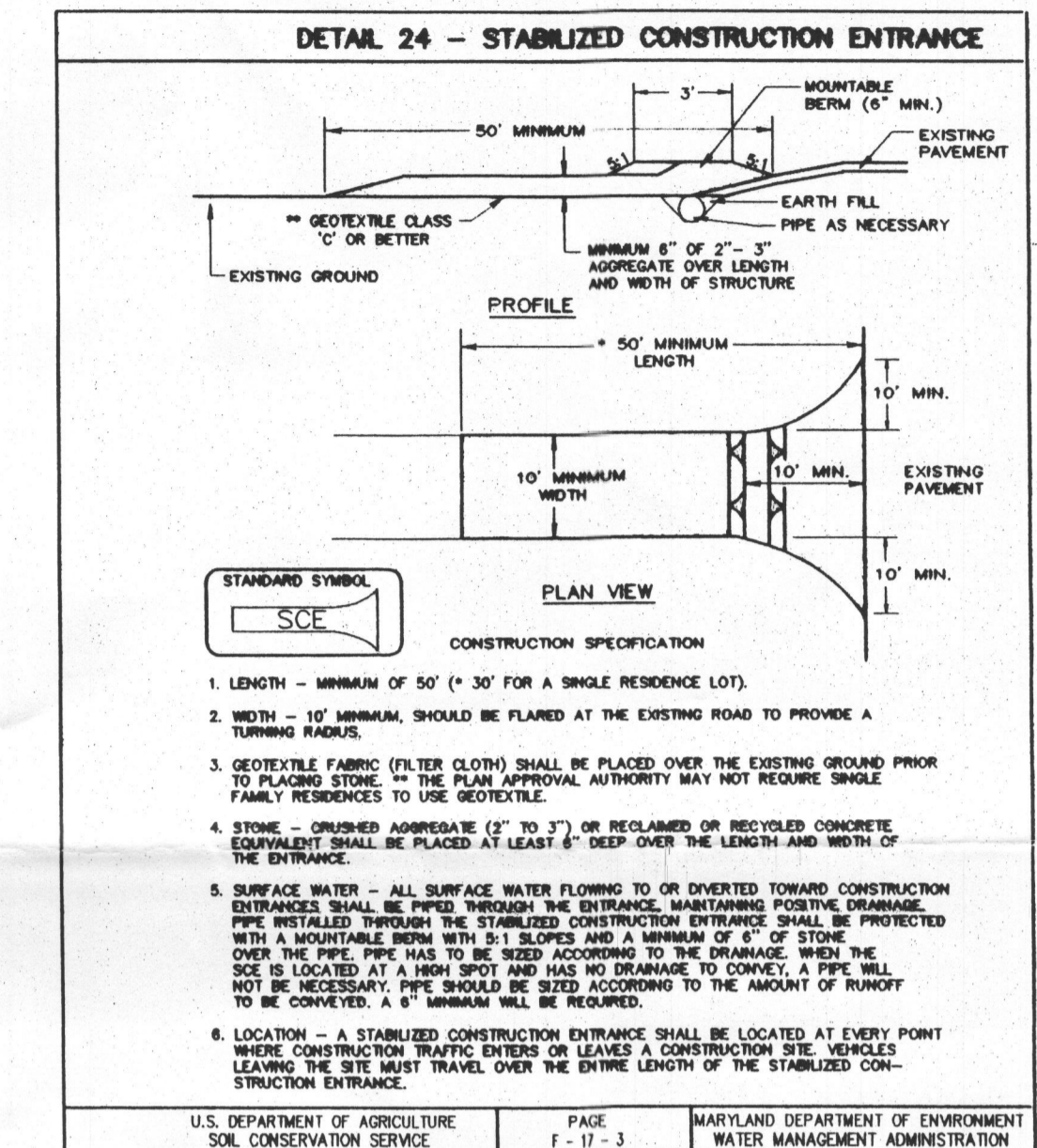
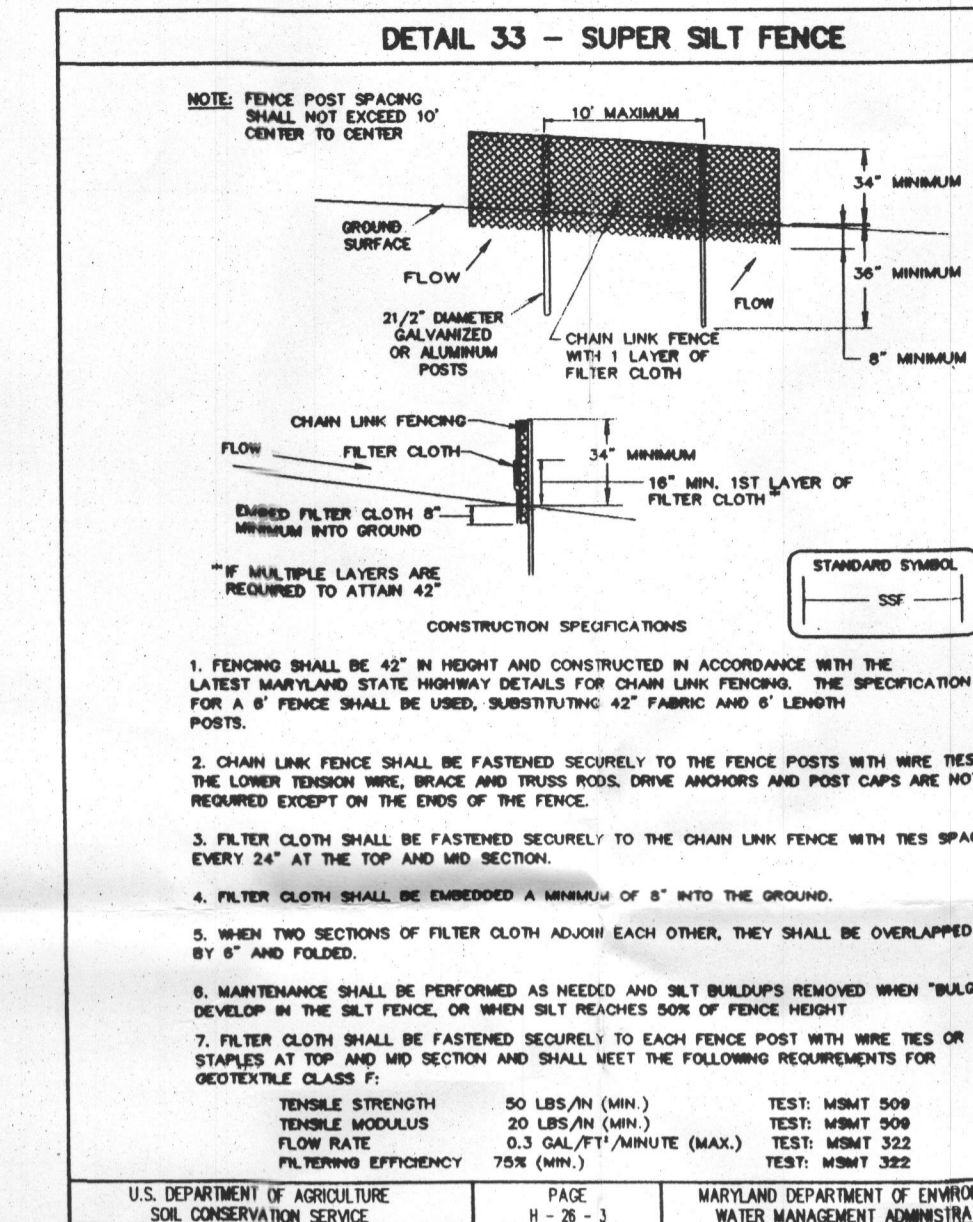
- SEEDBED PREPARATION: LOOSEN UPPER THREE INCHES OF SOIL BY RAKING, DISCING OR OTHER ACCEPTABLE MEANS BEFORE SEEDING, IF NOT PREVIOUSLY LOOSENED.
- SOIL AMENDMENTS: APPLY 600 LBS. PER ACRE 10-10-10 FERTILIZER (14 LBS./1000 SQ.FT.).
- SEEDING: FOR PERIODS MARCH 1 THRU APRIL 30 AND FROM AUGUST 15 THRU NOVEMBER 15, SEED WITH 2 1/2 BUSHEL PER ACRE OF ANNUAL RYE (3.2 LBS./1000 SQ.FT.) FOR THE PERIOD MAY 1 THRU AUGUST 14, SEED WITH 3 LBS./1000 SQ.FT.) OF WEEPING LOVEGRASS (0.7 LBS./1000 SQ.FT.). FOR THE PERIOD NOVEMBER 1 THRU 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 SQ.FT.) 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 SQ.FT.) OF EMULSIFIED ASPHALT ON FLAT AREAS. ON SLOPES 8 FEET OR HIGHER, USE 348 GALLONS PER ACRE (8 GAL/1000 SQ.FT.) FOR ANCHORING.
- REFER TO THE 1994 MARYLAND STANDARDS AND SPECIFICATIONS FOR SOIL EROSION AND SEDIMENT CONTROL FOR RATE AND METHODS NOT COVERED.

## SEQUENCE OF CONSTRUCTION

- OBTAIN GRADING PERMIT.
- NOTIFY HOWARD COUNTY BUREAU OF INSPECTIONS AND PERMITS (410.313.1880) AT LEAST 24 HOURS BEFORE STARTING ANY WORK.
- CONSTRUCT STABILIZED CONSTRUCTION ENTRANCE AND PERIMETER CONTROLS. (2 DAYS)
- AFTER OBTAINING PERMISSION FROM THE SEDIMENT CONTROL INSPECTOR TO PROCEED, ROUGH GRADE SITE. (1 WEEKS)
- CONSTRUCT HOUSES AND GRADE DRIVEWAY. (8 MONTHS)
- UPON STABILIZATION OF ALL DISTURBED AREAS AND WITH THE APPROVAL OF THE SEDIMENT CONTROL INSPECTOR, REMOVE ALL SEDIMENT CONTROL DEVICES.

### NOTES

- DURING GRADING AND AFTER EACH RAINFALL, THE CONTRACTOR SHALL INSPECT AND PROVIDE THE NECESSARY MAINTENANCE ON THE SEDIMENT AND EROSION CONTROL MEASURES SHOWN HEREON.
- FOLLOWING INITIAL SOIL DISTURBANCE OR REDISTURBANCE PERMANENT OR TEMPORARY STABILIZATION SHALL BE COMPLIED WITH.



**DEVELOPER**  
NV HOMES  
6085 MARSHALEE DRIVE, SUITE 130  
ELKRIDGE, MD 21075  
(410) 379-5956

NO.	REVISION	DATE

**GRADING & SEDIMENT CONTROL DETAILS**  
**SCAGGSVILLE KNOLLS**  
LOTS 1-7  
TAX MAP #46 GRID 3 & 9 PARCEL 118  
5TH ELECTION DISTRICT HOWARD COUNTY, MARYLAND

**ROBERT H. VOGEL ENGINEERING, INC.**  
ENGINEERS • SURVEYORS • PLANNERS  
8407 MAIN STREET ELLICOTT CITY, MD 21043 TEL: 410.481.7866 FAX: 410.481.7861

**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. 16193 EXPIRATION DATE: 09-27-2010

DESIGN BY: JCO  
DRAWN BY: JCO  
CHECKED BY: RHV  
DATE: FEBRUARY 2010  
SCALE: 1"=50'  
W.D. NO.: 04-49-02

2 OF 2

THESE PLANS FOR SOIL EROSION AND SEDIMENT CONTROL MEET THE REQUIREMENTS OF THE HOWARD SOIL CONSERVATION DISTRICT.

**ENGINEERS CERTIFICATE**  
I HEREBY 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. I HAVE NOTIFIED THE DEVELOPER THAT HE/SHE MUST ENGAGE A REGISTERED PROFESSIONAL ENGINEER TO SUPERVISE POND CONSTRUCTION AND PROVIDE THE HOWARD SOIL CONSERVATION DISTRICT WITH AN "AS-BUILT" PLAN OF THE POND WITHIN 30 DAYS OF COMPLETION.

John K. [Signature] 2/23/10  
DATE

**DEVELOPER'S CERTIFICATE**  
I HEREBY CERTIFY THAT ALL DEVELOPMENT AND/OR CONSTRUCTION WILL BE DONE IN ACCORDANCE TO THESE PLANS, AND THAT ANY RESPONSIBLE PERSONNEL INVOLVED IN THE CONSTRUCTION PROJECT WILL HAVE A CERTIFICATE OF ATTENDANCE AT A DEPARTMENT OF THE ENVIRONMENT APPROVED TRAINING PROGRAM FOR THE CONTROL OF SEDIMENT AND EROSION BEFORE BEGINNING THE PROJECT.

[Signature] 2/15/10  
DATE

ROBERT H. VOGEL P.E. #16193