



# APPLICATION

## FOR PERCOLATION TESTING AND SITE EVALUATION

TEST DATE(S) \_\_\_\_\_ TEST TIME \_\_\_\_\_

AP 533962

AGENCY REVIEW: \_\_\_\_\_

DATE 8-11-10

DO NOT WRITE ABOVE THIS LINE

I HEREBY APPLY FOR THE NECESSARY TESTING/EVALUATION PRIOR TO ISSUANCE OF SEWAGE DISPOSAL SYSTEM PERMIT(S) TO:

CHECK AS NEEDED:

- CONSTRUCT NEW SEPTIC SYSTEM(S)
- REPAIR/ADD TO AN EXISTING SEPTIC SYSTEM
- REPLACE AN EXISTING SEPTIC SYSTEM

CHECK AS NEEDED:

- NEW STRUCTURE(S)
- ADDITION TO AN EXISTING STRUCTURE
- REPLACE AN EXISTING STRUCTURE

CHECK ONE:

- CREATE NEW LOT(S)
- BUILD ON AN EXISTING LOT IN A SUBDIVISION
- BUILD ON AN EXISTING PARCEL OF RECORD

IS THE PROPERTY WITHIN 2500' OF ANY RESERVOIR?

- YES
- NO

THE TYPE OF STRUCTURE IS:

- RESIDENTIAL WITH UNKNOWN PROPOSED BEDROOMS IN THE COMPLETED STRUCTURE (NOTE **UNKNOWN** IF APPROPRIATE)
- COMMERCIAL (PROVIDE DETAIL OF NUMBERS AND TYPES OF EMPLOYEES/ CUSTOMERS ON ACCOMPANYING PLAN)
- INSTITUTIONAL/GOVERNMENT (PROVIDE DETAIL OF NUMBERS AND TYPES OF EMPLOYEES/USERS ON ACCOMPANYING PLAN)

PROPERTY OWNER(S) Schroyer Family Trust clo Charles Schroyer

DAYTIME PHONE 410-795-2919 CELL 443-812-2375 FAX \_\_\_\_\_

MAILING ADDRESS 1672 Calico Drive Woodbine MD 21797  
STREET CITY/TOWN STATE ZIP

APPLICANT Demario Design Consultants (Lori Cunningham)

DAYTIME PHONE 410-386-0560 CELL \_\_\_\_\_ FAX 410 386-0564

MAILING ADDRESS 192 E. Main Street Westminster MD 21157  
STREET CITY/TOWN STATE ZIP

APPLICANT'S ROLE: DEVELOPER BUILDER BUYER RELATIVE/FRIEND REALTOR CONSULTANT

PROPERTY LOCATION

SUBDIVISION/PROPERTY NAME 16940 Frederick Road Near St. Michaels Rd. LOT NO. \_\_\_\_\_

PROPERTY ADDRESS 16940 Frederick Road Mt. Airy  
STREET TOWN/POST OFFICE

TAX MAP PAGE(S) 7 GRID 3 PARCEL(S) 220 EXISTING/ PROPOSED LOT SIZE 33,750 sq. ft.

AS APPLICANT, I UNDERSTAND THE FOLLOWING: THE SYSTEM INSTALLED SUBSEQUENT TO THIS APPLICATION IS ACCEPTABLE ONLY UNTIL PUBLIC SEWERAGE IS AVAILABLE. THIS APPLICATION IS COMPLETE WHEN ALL APPLICABLE FEES AND A SUITABLE SITE PLAN HAVE BEEN RECEIVED. I ACCEPT THE RESPONSIBILITY FOR COMPLIANCE WITH ALL M.O.S.H.A. AND "MISS UTILITY" REQUIREMENTS. APPROVAL IS BASED UPON SATISFACTORY REVIEW OF A PERC CERTIFICATION PLAN.

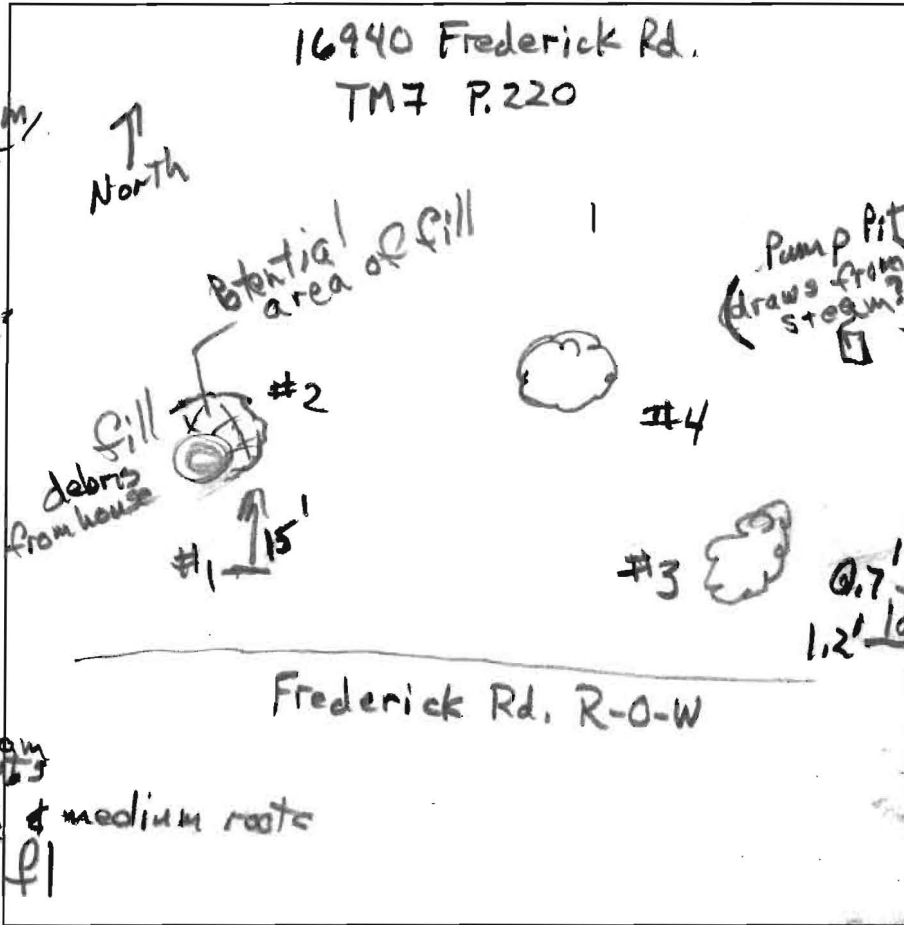
TEST RESULTS WILL BE MAILED TO APPLICANT.

Lori Cunningham  
SIGNATURE OF APPLICANT

HOWARD COUNTY HEALTH DEPARTMENT, BUREAU OF ENVIRONMENTAL HEALTH, WELL AND SEPTIC PROGRAM  
7178 COLUMBIA GATEWAY DRIVE COLUMBIA, MARYLAND 21046 (410) 313-2640 FAX (410) 313-2648  
TDD (410) 313-2323 TOLL FREE 1-877-4MD-DHMH

AP

**#3**  
 grey brn loam  
 0.5  
 x fl & by  
 85%-90%  
 rock  
 2.5



**#2 east end**  
 brn ch loam  
 1.5'  
 brn vch  
 x fl loam  
 4.5'  
 60% rock  
 brn  
 x ch & fl  
 loam  
 70%-80% grey shale  
 6' R

**#4**  
 dk grey ch loam  
 low coarse roots  
 0.8  
 many fine & medium roots  
 brn vch & fl  
 loam  
 60% rock  
 2.2'  
 brn loam  
 x fl loam  
 60% rock  
 fractured  
 many medium  
 & fine roots  
 few coarse roots

**#2 west end**  
 0.7' brn vch & fl loam  
 1.2' loam dense dk grey  
 dense  
 brn loam  
 2.5'  
 yel-red  
 ch loam  
 35%  
 3.5'  
 yel-red  
 vch cl  
 35%  
 5'  
 brn  
 x ch & fl  
 loam  
 6'  
 70% rock

DATE	TEST #	DEPTH	START	BREAK 1" DROP	STOP 2" DROP	TIME OF 2ND INCH	P/F/H
9/8/10	#2 west	1.5'	11:00	12:09	—		F
	#2 East	1.5'-4.5' to 6'	Visual	> 50% rock increasing to 80%			F
9/8/10	#1	1.7'-3.5' to 4.3'	Visual	> 50% rock dense textures			F
	#1	south end of hole very bouldary fill from house at ~3'					
9/8/10	#3	0.5'	Visual	> 50% rock begins at 0.5'			F
9/8/10	#4	0.8-2.2' & to 6.5'	Visual	> 50% rock fractured			F

**#1**  
 dk brn loam  
 few boulders, flags & channers  
 0.5'  
 brn ch loam  
 30% rock  
 1.7'  
 brn xch  
 loam 65%  
 2.5'  
 yel-red  
 vch loam  
 40%  
 4.3'  
 brn x fl  
 loam  
 8'  
 80%

REMARKS #4 soil layer boundaries irregular

SANITARIAN RB BACKHOE Olen Ketterman OTHERS Laurie Cunningham Charles Shroyer

TEST HOLES USED IN SDA \_\_\_\_\_ AVG. PERC TIME \_\_\_\_\_ SQ. FT/BR \_\_\_\_\_

TRENCH WIDTH \_\_\_\_\_ INLET DEPTH \_\_\_\_\_ MAX. BOT DEPTH \_\_\_\_\_ EFFECTIVE S/W \_\_\_\_\_

5

brn loam  
& dk grey-brn  
ch loam

0.8'

brn ch loam  
dense

wavy 1.4' - 1.8'

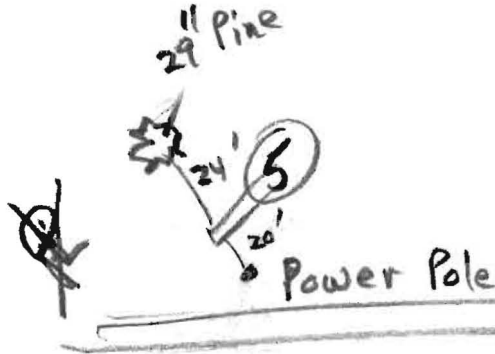
yel-red &  
brn vch & fl loam  
60% rock

3.7'

x ch & fl loam  
70% & increasing  
very dense

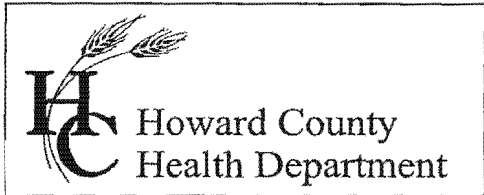
6'

16940 Frederick Rd  
TM 7 P. 220  
off plan



DATE	TEST #	DEPTH	START	BREAK 1" DROP	STOP 2" DROP	TIME OF 2ND INCH	P/F/H
9/8/10	5	1.8' - 3.7' to 6'+	Visual		> 50% rock very dense		F

REMARKS \_\_\_\_\_  
 SANITARIAN RB BACKHOE Olen Ketterman OTHERS Laurie Cunningham  
Charles Shroyer  
 TEST HOLES USED IN SDA \_\_\_\_\_ AVG. PERC TIME \_\_\_\_\_ SQ. FT/BR \_\_\_\_\_  
 TRENCH WIDTH \_\_\_\_\_ INLET DEPTH \_\_\_\_\_ MAX. BOT DEPTH \_\_\_\_\_ EFFECTIVE SW \_\_\_\_\_



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

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

September 22, 2010

Schroyer Family Trust  
c/o Charles Schroyer  
1672 Calico Drive  
Woodbine, MD 21797

Re: 16940 Frederick Road  
Mt. Airy, MD 21771  
Tax account number 04-315006

Dear Sir:

This letter is in response to the perc testing witnessed by this Department on September 9, 2010 on the above referenced property. Testing was performed in areas of the property beyond the one hundred foot setback from the stream located adjacent to the northern property line. The testing revealed soils with shallow rock content that are not suitable for on-site sewage disposal. Therefore, the property may not be developed until public sewer is available to the property.

If you feel that this is not an accurate assessment of your property or have any questions I may be reached at (410) 313-2651.

Sincerely,

Michael J. Davis, R.S.  
Assistant Director  
Bureau of Environmental Health

C: Lori Cunningham, DeMario Design Consultants



Bureau of Environmental Health  
7178 Columbia Gateway Drive, Columbia, MD 21046-2147  
(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)

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

August 17, 2010

To: Laurie Cunningham, DeMario Design Consultants  
FAX: 410-386-0564

\From: Robert C. Bricker, R.S./REHS, CPSS  
Well and Septic Program

RE: Percolation Test Application Plan, 16940 Frederick Road, A533962

Percolation testing, as presented on the submitted plan, may not be scheduled at this time.

You may submit a revised percolation test plan after addressing the following issue.

- The proposed septic reserve is within 200 feet and upgradient of the proposed well area for the subject property. This condition is in direct conflict with Howard County Code 3.808(D) which prohibits this particular topographic relationship of well and septic system.

If you have any questions regarding this evaluation, please contact me at the above address or by calling (410) 313-2691.

Copy: File



**DESIGN CONSULTANTS**

ENGINEERS, PLANNERS, SURVEYORS, LANDSCAPE ARCHITECTS

192 East Main Street  
 Westminster, Maryland 21157  
 Phone: 410-386-0560  
 Fax: 410-386-0564

Lori Cunningham  
lcunningham@demariodesign.us

To: Bureau of Environmental Health  
 7178 Columbia Gateway Drive  
 Columbia, MD 21046

Date: August 19, 2010  
 Project No.: 09110.1  
 Attention: **Robert Bricker**  
 Reference: 16940 Frederick Road

We are sending you:  Attached  Under separate cover:  Via:  
 Shop Drawings  Samples  Plans  
 Specifications

Copies	Date	Number	Description
2	8/18/10		Revised Perc Plan

These are transmitted as checked below:

For approval  Approved as submitted  Resubmit \_\_\_\_\_ Copies for approval  
 For your use  Approved as noted  Submit \_\_\_\_\_ Copies for distribution  
 As requested  Returned for corrections  Return \_\_\_\_\_ Corrected prints  
 For review and comment

Remarks:

Robert,  
 I have made the requested changes to the Perc Plan per the sketch e-mailed to you yesterday.  
 Please let me know when we can schedule the perc tests.

Thanks,

Lori

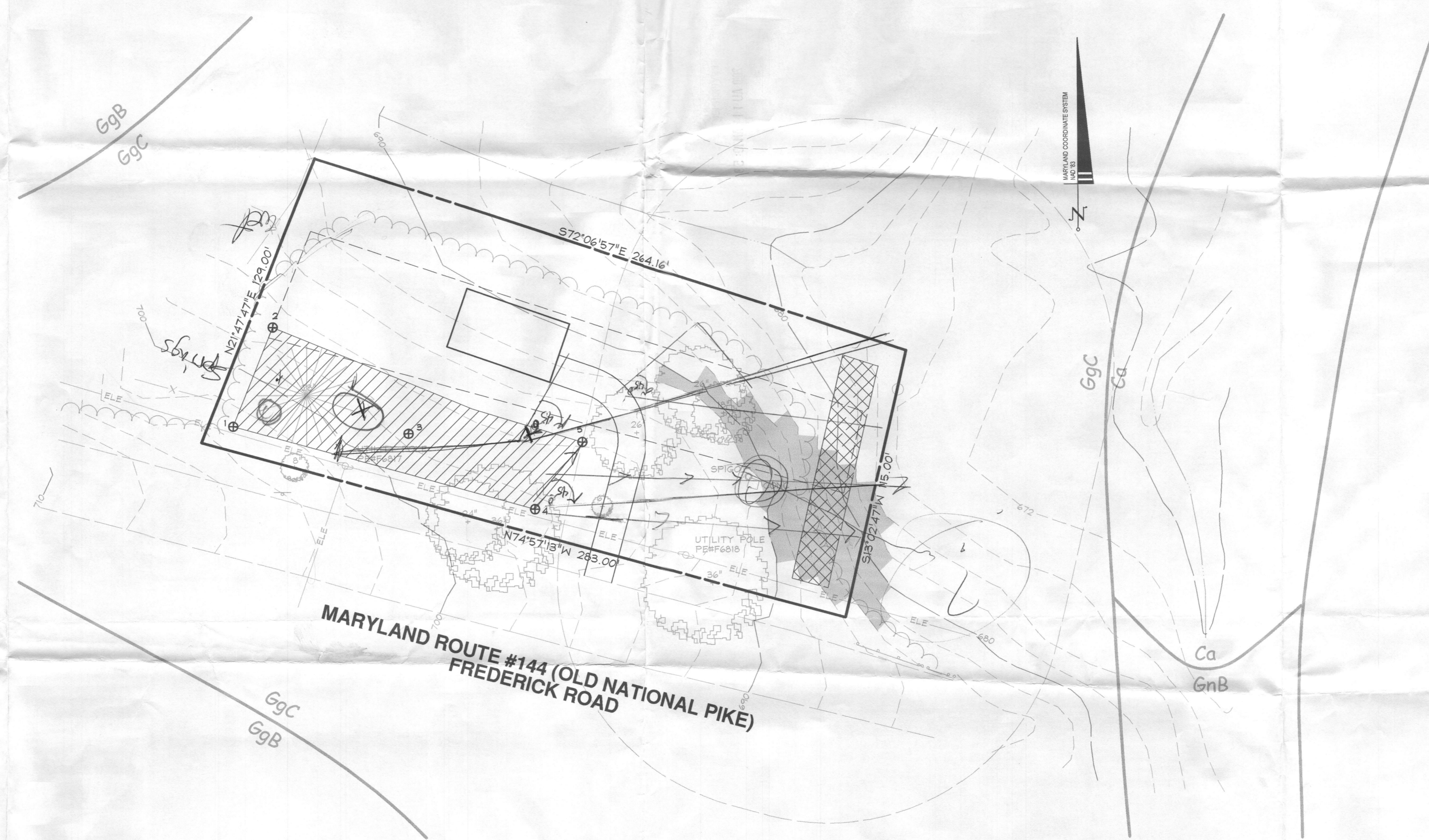
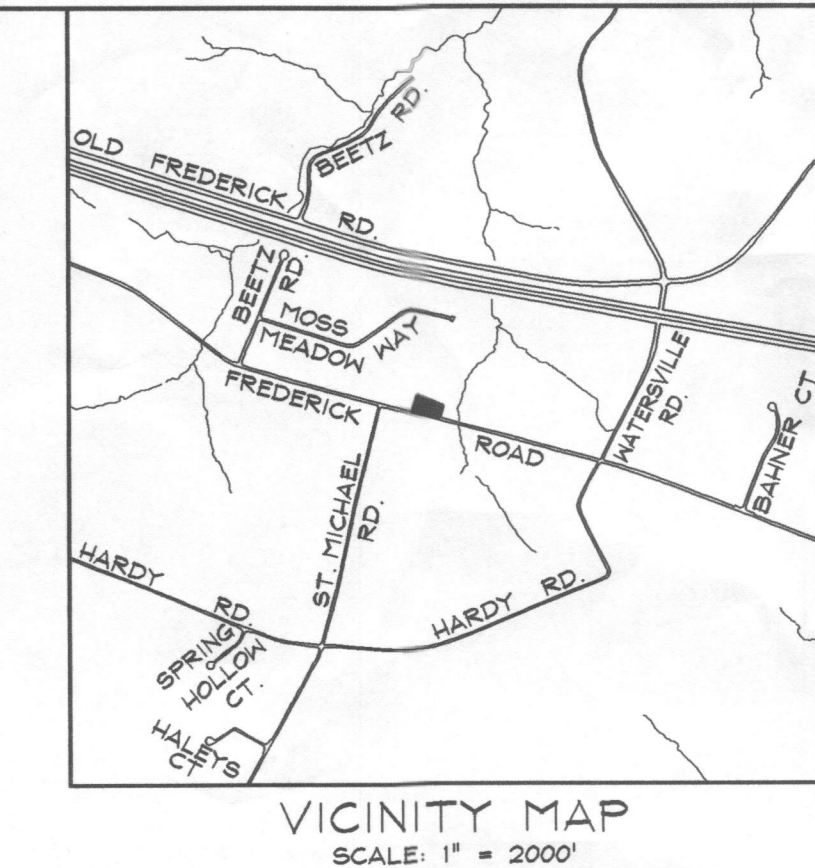
Signed: Lori Cunningham



SOILS CHART	
CODE	NAME
GgC	GLENELG LOAM, 8 TO 15 PERCENT SLOPES

GENERAL NOTES

- THIS AREA DESIGNATES A PRIVATE SEWAGE AREA AS REQUIRED BY THE MARYLAND STATE DEPARTMENT OF THE ENVIRONMENT FOR INDIVIDUAL SEWAGE DISPOSAL FOR LOTS CREATED PRIOR TO MARCH OF 1972. IT PROVIDED AT LEAST ENOUGH AREA TO ACCOMMODATE AN INITIAL AND TWO REPLACEMENT SEPTIC SYSTEMS AS REQUIRED BY THE HOWARD COUNTY HEALTH DEPARTMENT. IMPROVEMENTS OF ANY NATURE IN THIS AREA ARE RESTRICTED UNTIL PUBLIC SEWERAGE IS AVAILABLE. THIS AREA SHALL BECOME NULL AND VOID UPON CONNECTION TO A PUBLIC SEWERAGE SYSTEM. THE COUNTY HEALTH OFFICER SHALL HAVE THE AUTHORITY TO GRANT ADJUSTMENTS TO THE PRIVATE SEWAGE AREA. RECORDATION OF A MODIFIED SEWAGE AREA SHALL NOT BE NECESSARY.
- THE LOT SHOWN HEREON WAS CREATED PRIOR TO MARCH 1972.
- EXISTING WELLS, SEPTIC SYSTEMS AND SEWAGE DISPOSAL AREAS WITHIN 100' OF THE PROPERTY AND THOSE WELLS WITHIN 200' DOWN GRADIENT OF EXISTING OR PROPOSED SEPTIC SYSTEMS OR SEWAGE DISPOSAL AREAS HAVE BEEN SHOWN.
- ALL WELLS SHALL BE DRILLED PRIOR TO FINAL PLAT RECORDATION. IT IS THE DEVELOPER'S RESPONSIBILITY TO SCHEDULE THE WELL DRILLING PRIOR TO FINAL PLAT SUBMISSION. IT WILL NOT BE CONSIDERED "GOVERNMENT DELAY" IF THE WELL DRILLING HOLDS US HEALTH DEPARTMENT SIGNATURE OF THE RECORD PLAT.
- TOPOGRAPHY SHOWN IS AT TWO-FOOT CONTOUR INTERVALS (ONE-FOOT INTERVALS ARE REQUIRED FOR MOUND SYSTEMS AND SYSTEMS WITH PIPE DEPTH LESS THAN TWO FEET) PER A FIELD RUN SURVEY PERFORMED ON AUGUST 2, 2010 BY DEMARIO DESIGN CONSULTANTS.



DRAWING LEGEND

- 682 --- EXISTING MINOR CONTOUR (2' INTERVAL)
- 680 --- EXISTING MAJOR CONTOUR (10' INTERVAL)
- --- ADJACENT PROPERTY LINE
- --- EXISTING PROPERTY BOUNDARY
- --- EX. ROAD / EDGE OF PAVING
- ELE --- EX. OVERHEAD ELECTRIC & UTILITY POLES
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- --- PROPOSED PRIVATE ROAD/DRIVE CENTERLINE
- GgB --- SOILS LINE
- --- EX. BUILDING
- --- PROPOSED BUILDING
- --- EXISTING TREELINE
- --- EXISTING TREES
- --- PROPOSED SEPTIC RESERVE AREA
- --- PROPOSED WELL AREA
- ⊕ 1A --- PROPOSED PERCOLATION TEST HOLE LOCATION
- ⊖ 1A --- PASSED PERCOLATION TEST HOLE LOCATION
- 1B --- FAILED PERCOLATION TEST HOLE LOCATION
- --- STEEP SLOPES 25%+

DATA SOURCES:  
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**DeMario**  
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192 East Main Street Phone: (410) 386-0560  
Westminster, MD 21157 Fax: (410) 386-0564  
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OWNER: SCHROYER FAMILY TRUST  
1672 CALICO DRIVE  
WOODBINE, MD 21787  
410-795-2919

DEVELOPER: CHARLES SCHROYER  
1672 CALICO DRIVE  
WOODBINE, MD 21797  
410-795-2919

SITE ADDRESS:  
16940 FREDERICK ROAD  
MT AIRY, MD 21771

16940 FREDERICK ROAD  
PERC PLAN  
ELECTION DISTRICT 4 CARROLL COUNTY, MD

REVISIONS			
NO.	DESCRIPTION OF CHANGES	DRN.	REV. DATE

CO. FILE #	DES. BY:	LJC
TAX ACC. #	DRN. BY:	LJC
TAX MAP:	CHK. BY:	RBW
BLOCK / GRID:	DATE:	8/10/10
PARCEL #	DDC JOB#:	09110.1
ZONE / USE:	RC	SHEET NUMBER:
DWG. SCALE:	1" = 30'	1 of 1

8/6/2010  
DATE

MARK R. THAYER  
PROFESSIONAL ENGINEER NO. 25420

APPROVED FOR PRIVATE WATER AND PRIVATE SEWERAGE SYSTEMS

HOWARD COUNTY HEALTH OFFICER \_\_\_\_\_ DATE \_\_\_\_\_

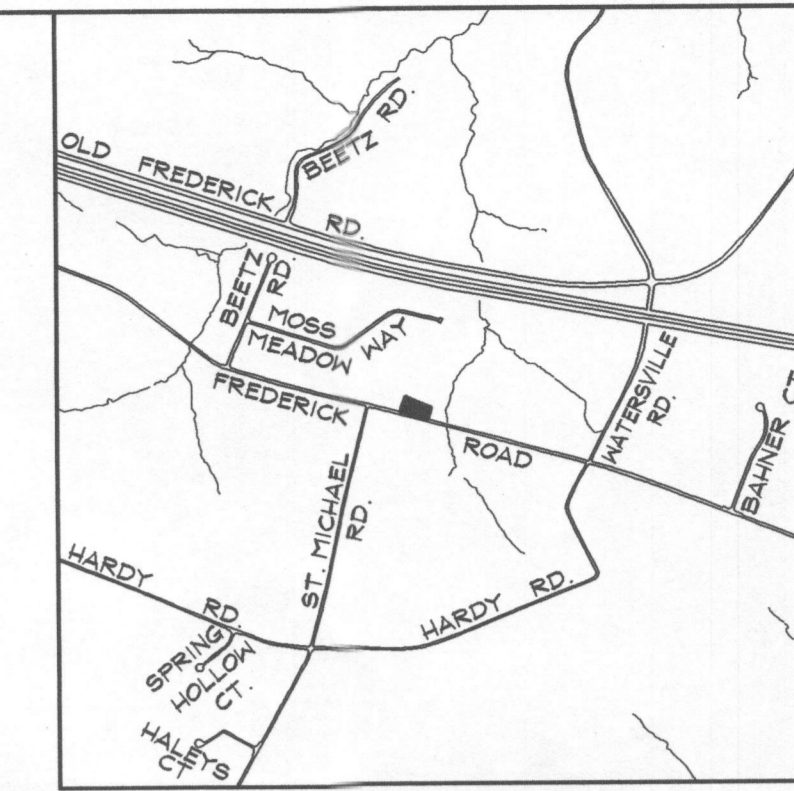
I CERTIFY THAT THE INFORMATION SHOWN HEREON IS BASED ON FIELD WORK PERFORMED BY ME OR UNDER MY DIRECT SUPERVISION, AND IS CORRECT, TO THE BEST OF MY KNOWLEDGE AND BELIEF.

MARK THAYER  
PROFESSIONAL ENGINEER #25420 \_\_\_\_\_ DATE \_\_\_\_\_

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MARK THAYER DATE  
PROFESSIONAL ENGINEER #25420