

APPLICATION

PERCOLATION TESTING

A 516045

P _____

HOWARD COUNTY HEALTH DEPARTMENT
BUREAU OF ENVIRONMENTAL HEALTH
3525-H ELLICOTT MILLS DRIVE/ELLICOTT CITY, MARYLAND 21043
TELEPHONE: 313-2640

DISTRICT _____

DATE _____

TO: THE COUNTY HEALTH OFFICER
ELLICOTT CITY, MARYLAND

I HEREBY APPLY FOR THE NECESSARY TEST PRIOR TO APPLICATION FOR PERMIT TO CONSTRUCT (OR RECONSTRUCT) A SEWAGE DISPOSAL SYSTEM.

PROPERTY OWNER Susan Moxley

ADDRESS 3489 Downing Court PHONE 1-301-831-8350
Adams town, MD 21710

AGENT OR PROSPECTIVE BUYER Benchmark Engineering, Inc.

ADDRESS 8480 Baltimore National Pk. PHONE 410-465-6105
Ellicott City, MD 21043
Suite 418

PROPERTY LOCATION:

SUBDIVISION Susan Moxley Property LOT NO. 11

ROAD AND DESCRIPTION Frederick Road @ Roxbury Mills Road
NE Quadrant of Intersection

TAX MAP 8 PARCEL # 176

SIZE OF LOT 1 Ac. ± TYPE BLDG. SFD
(SINGLE FAMILY DWELLING OR COMMERCIAL)

THE SYSTEM INSTALLED UNDER THIS APPLICATION IS ACCEPTABLE ONLY UNTIL PUBLIC FACILITIES BECOME AVAILABLE. I FULLY UNDERSTAND THE FEE CONNECTED WITH THE FILING OF THIS PERC TEST APPLICATION IS NON-REFUNDABLE UNDER ANY CIRCUMSTANCES. I ALSO AGREE TO COMPLY WITH ALL M.O.S.H.A. REQUIREMENTS IN TESTING THIS LOT.

[Signature]
(SIGNATURE OF APPLICANT)

APPROVED BY _____ FOR _____ DATE _____

DISAPPROVED BY _____ FOR _____ DATE _____

HOLD PENDING FURTHER TESTS _____

REASONS FOR REJECTION OR HOLDING _____

PERCOLATION TEST PLAT/PRELIMINARY PLAT - TITLE OR I.D. # _____ DATE _____

SITE DEVELOPMENT PLAN/FINAL PLAT - TITLE OR I.D. # _____ DATE _____

THIS IS NOT A PERMIT

516045

COUNTY #

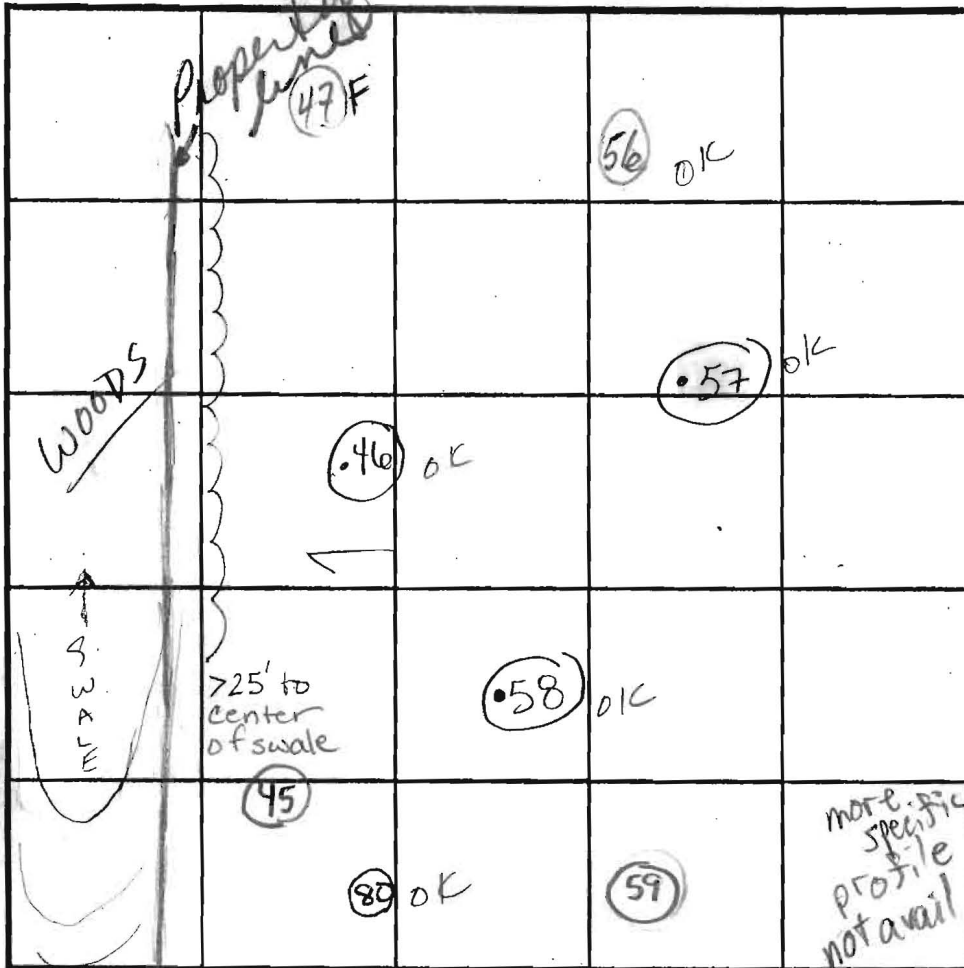
SOIL PROFILE

0' (46)
 Topsoil
 Dense STRONG RD CLAY TRACE rock
 6'
 tan SLm Rock & weakly structured Saprolite 10-15%
 14' Bottom

(58)
 Topsoil
 DENSE strong Br CLM TRACE Rock
 4-6"

6'-7'
 org brn beige lt tan sand
 white/grey weak
 Rock < 5%
 15' Bottom

(56)
 Topsoil
 org brn CLM Trace Rock
 1'
 6'
 lt tan lt brn beige silm
 10-15% Weak Saprolite
 15 1/2' Bottom



SOIL PROFILE

0' (47)
 1' Topsoil
 org brn rd brn hvy CLM Rock ~ 5%
 6 1/2' - 7 1/2' yellow brn tan strong brn SLm
 8' lateral structured saprolite begins 30-40% @ one wall & boulders
 14 1/2' Bottom

57
 Topsoil 4-8"
 red-brn clay 1m
 3' org-brn silt 1m
 5' tan beige sandy 1m 5-10%RF
 14 1/2"

INDICATE NORTH - NAME ADJOINING ROADWAY AS BASE LINE.

ROUTE 70

DATE	TEST NO.	DEPTH	PRE-WET		TEST - 1" DROP		TIME	
			START	STOP	START	STOP		
12-4-01	57	7' S	3:46	3:49	3:49	3:56	7 min	
		16' D					OK	
Redig	58	6' S	3:03 ⁴⁶	3:08	3:08	1" less than 30 min		
		7' S / 15' D	3:45	3:46	3:46	3:50	4 min	
	46	6 1/2' S	2:52	2:54	2:54	2:59	5 min	
		14' D					OK	
	56	6' S	2:22	2:28	2:28	2:33	6 min	
		15 1/2' D					OK	
	47	6' 3" S / 7' S	2:40 / 3:28	3:17 / 3:49	No Movement / 3:49	4:19	30	
		14' D	Fails Due to excessive structured					Rx

REMARKS: Holes per Plan
 TYPE OF SOIL:
 TESTED BY: Krieg / Goedeking ALSO PRESENT: Donny Simpson
 TRENCH DESIGN DATA: AVERAGE PERCOLATION TIME: TRENCH WIDTH:
 INLET DEPTH: MAXIMUM BOTTOM DEPTH: SQ. FT./BEDROOM:

APPLICATION

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ELLICOTT CITY, MARYLAND

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PROPERTY OWNER _____

ADDRESS _____ PHONE _____

AGENT OR PROSPECTIVE BUYER _____

ADDRESS _____ PHONE _____

PROPERTY LOCATION:

SUBDIVISION Susan Moxley LOT NO. 11/12

ROAD AND DESCRIPTION _____

TAX MAP _____ PARCEL # _____

SIZE OF LOT _____ TYPE BLDG. _____
(SINGLE FAMILY DWELLING OR COMMERCIAL)

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(SIGNATURE OF APPLICANT)

APPROVED BY _____ FOR _____ DATE _____

DISAPPROVED BY _____ FOR _____ DATE _____

HOLD PENDING FURTHER TESTS _____

REASONS FOR REJECTION OR HOLDING _____

PERCOLATION TEST PLAT/PRELIMINARY PLAT - TITLE OR I.D. # _____ DATE _____

SITE DEVELOPMENT PLAN/FINAL PLAT - TITLE OR I.D. # _____ DATE _____

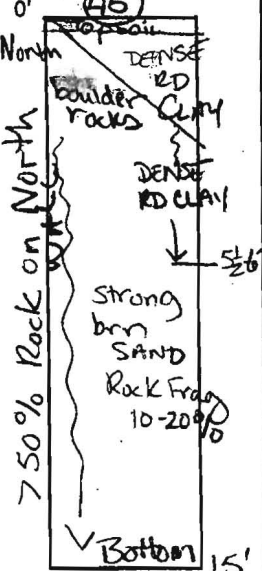
THIS IS NOT A PERMIT

516045

COUNTY #

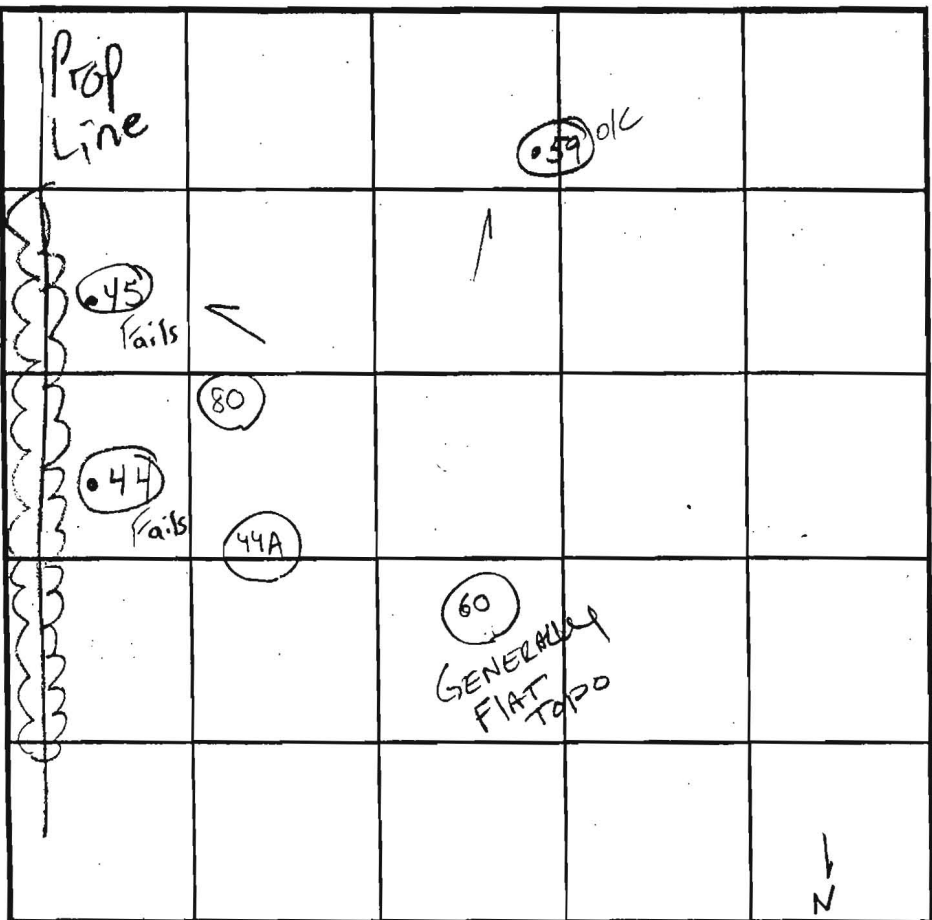
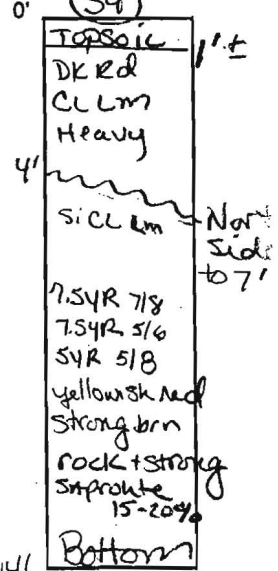
SOIL PROFILE

(45)



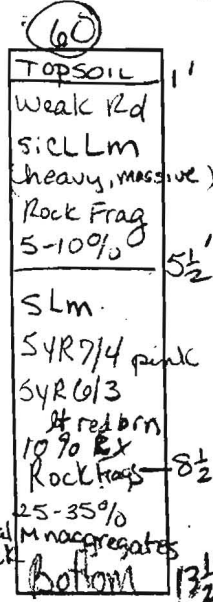
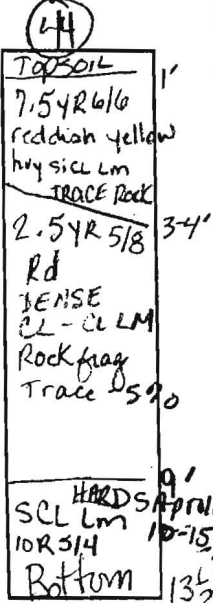
SOIL PROFILE

(59)



INDICATE NORTH - NAME ADJOINING ROADWAY AS BASE LINE.

ROUTE 70



DATE	TEST NO.	DEPTH	PRE-WET		TEST - 1" DROP		TIME
			START	STOP	START	STOP	
12/4/01	59	7'S	11:23 ⁴¹	11:26	11:26	11:31	5min
		14'D					OK
	45	6'S ON South WALL	3:16 ⁰⁰	3:23	3:23	3:33	10min
		15'D			50% Rx North wall		FAIL
	44	7'S	11:00 ⁰⁰ AM	Pulled @	11:19 ¹¹	30mm	Fail
		13 1/2'D					OK
	60	6 1/2'S	11:12 AM	11:16	11:16	11:21	4min
		13 1/2'D					OK

REMARKS HOLES tested per plan #59 on lot 11, #45 on lot 11

TYPE OF SOIL _____

TESTED BY Krieg/Goedeking ALSO PRESENT Donny Simpson

TRENCH DESIGN DATA: AVERAGE PERCOLATION TIME _____ TRENCH WIDTH _____

INLET DEPTH _____ MAXIMUM BOTTOM DEPTH _____ SQ. FT./BEDROOM _____

lateral in rock

516045

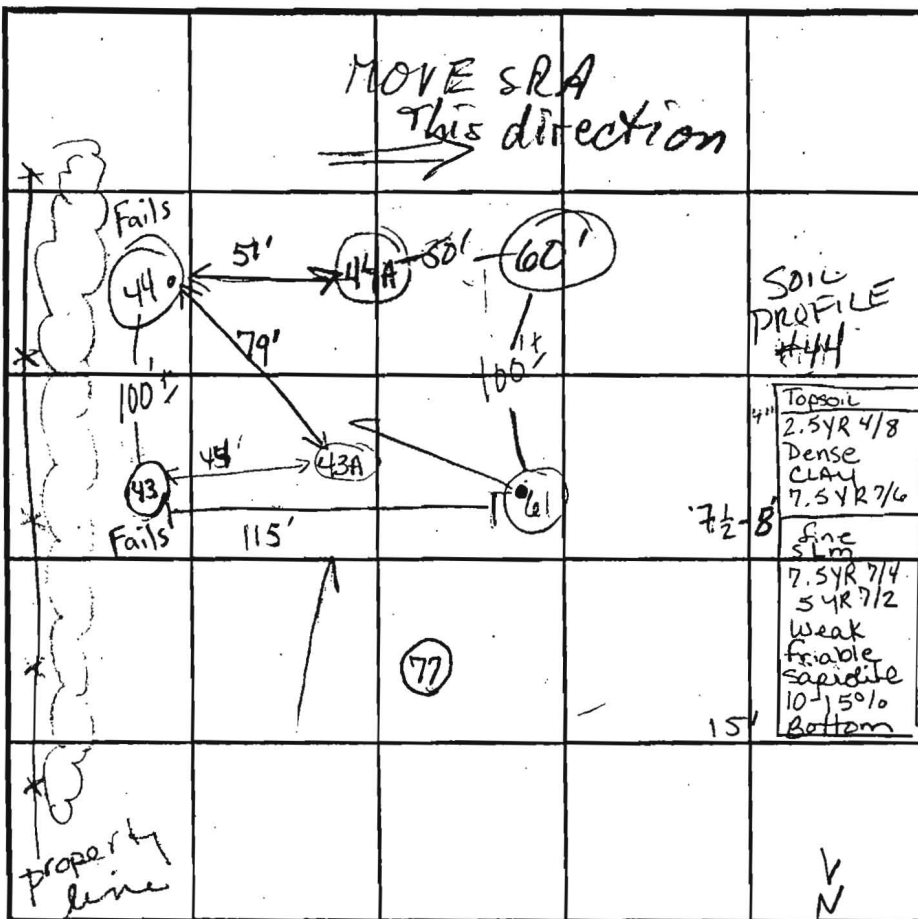
COUNTY #

SOIL PROFILE

0' (61)
 Topsoil 1'
 Hwy Rd cl Lm 5 1/2'
 Si Lm beige lt brn white "magenta" color
 v.fr. saprolite 5-10%
 Bottom 15'

(43)
 Topsoil 1'
 Dense Rd cl-clm Trace Rock 7-8'
 Si cl Lm Strong brn weak rd Rock / HARD saprolite ~5-10%
 Bottom 15'

(44A)
 Topsoil 4-6"
 Rd brn TRACE Rock 2-5' R5/8
 CL-CLM 6'
 10R6/2 Pale red "magenta" 2.5YR 5/8
 Si Lm
 v.fr. saprolite
 Bottom 15'



INDICATE NORTH - NAME ADJOINING ROADWAY AS BASE LINE.
 Route 70

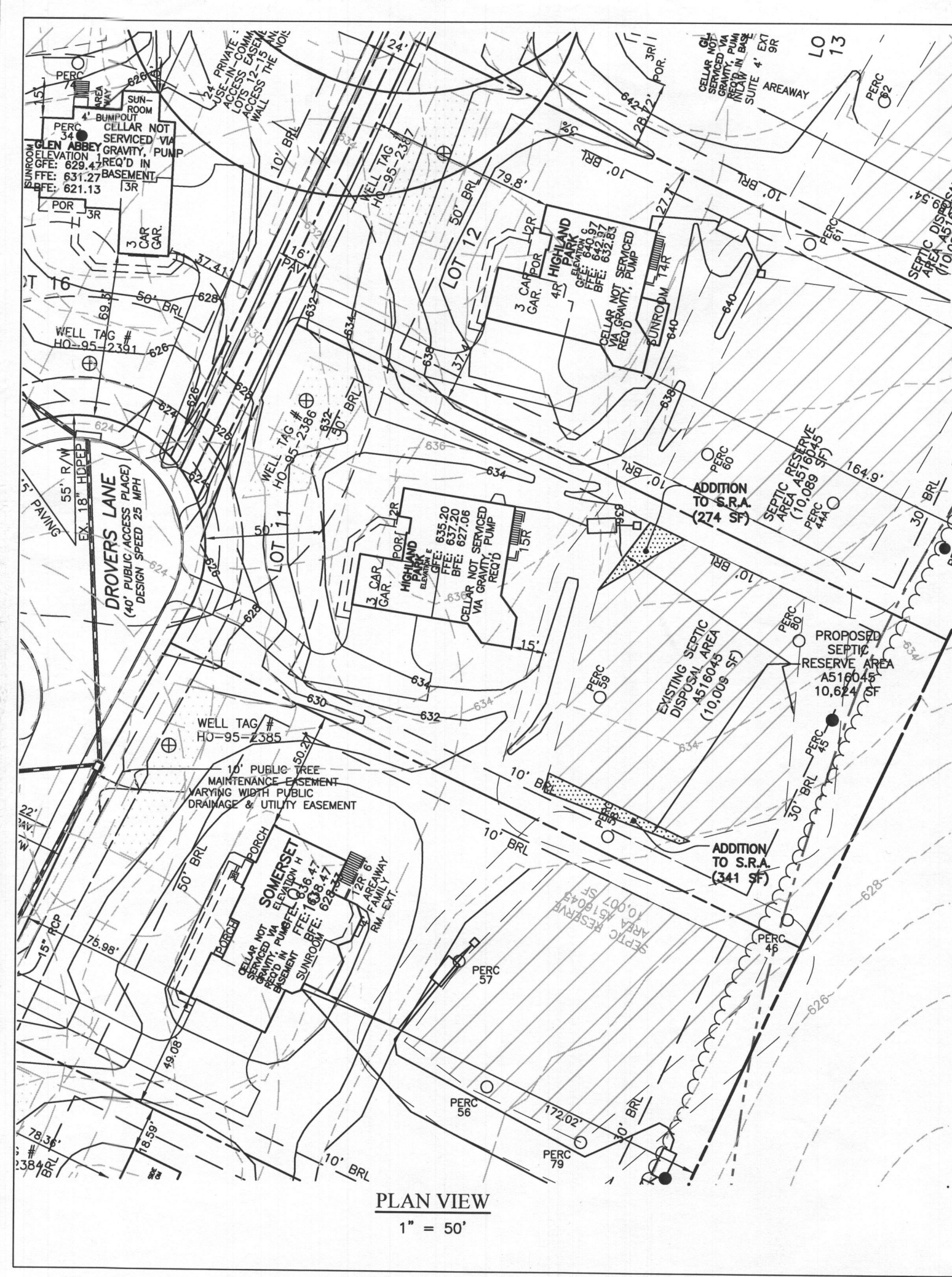
SOIL PROFILE

0' (43)
 TOPSOIL 4-6"
 10YR 6/4 Si Lm - Si cl Lm Trace Rock 3'
 weak rd dense CLM Trace Rock 8'
 7.5YR 7/4 Pink Si Lm
 Bottom 15'

(60)
 Topsoil 1'
 wk rd Si cl Lm heavy, massive Rx 5-10%
 5 1/2' SLm 10% Rx 5YR 7/4 pink 5YR 6/3 lt rd brn Rx 25-35%
 Bottom 13'

DATE	TEST NO.	DEPTH	PRE-WET		TEST - 1" DROP		TIME
			START	STOP	START	STOP	
12-5-01	44	7' 1/2'	Pulled @ 11:00 am	11:19 less than 1/2"			
		13 1/2' D					FAIL
	60	6 1/2' S	11:12 ⁰⁰ am	11:16	11:16	11:21	4 min
		13 1/2' D					OK
	61	7' S	11:35 ²¹	11:38 ³⁰	11:38 ³⁰	11:44	7 min
		15' D					OK
	43	7' S	11:45	Pulled	1" > 30 min		FAIL
		15' D					OK
	43A	7' 3/4' S / 15' D	12:39	12:50	12:50	1:10	20
	44A	6' S / 15' D	12:34 ⁰⁰	12:35:30	12:35:30	12:37:45	2:15

REMARKS 2 HOLES NOT PER PLAN (43A), (44A); OTHERS PER PLAN
 TYPE OF SOIL _____
 TESTED BY Goede King / SRK ALSO PRESENT Danny Simpson
 TRENCH DESIGN DATA: AVERAGE PERCOLATION TIME _____ TRENCH WIDTH HATFIELD'S
 INLET DEPTH _____ MAXIMUM BOTTOM DEPTH _____ SQ. FT./BEDROOM _____



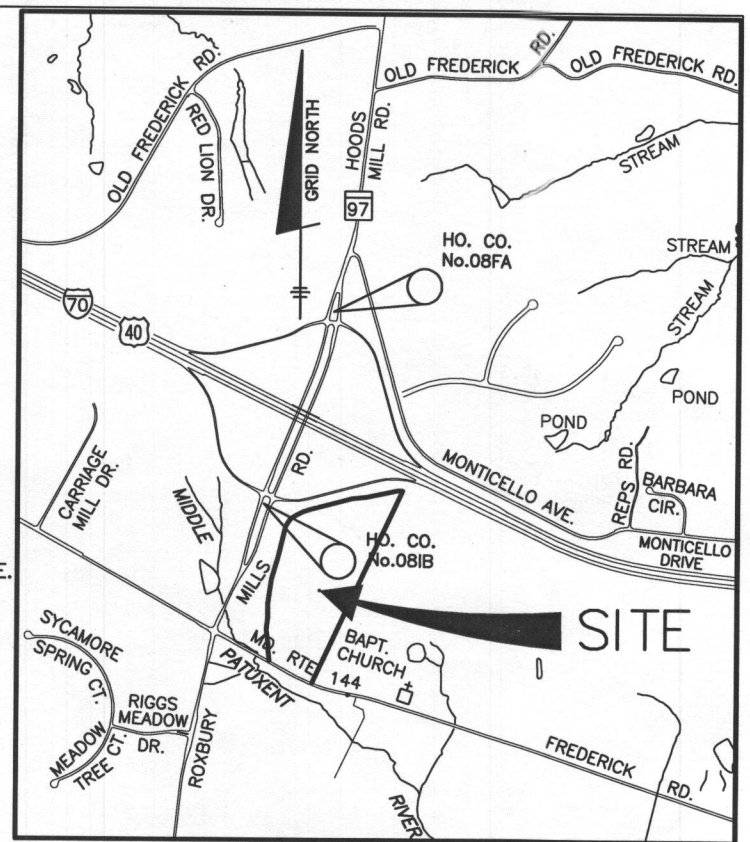
PLAN VIEW
1" = 50'

GENERAL NOTES

- 1.) THE LOT SHOWN HEREON COMPLIES WITH THE MINIMUM OWNERSHIP WIDTH AND LOT AREA AS REQUIRED BY THE MARYLAND STATE DEPARTMENT OF THE ENVIRONMENT.
- 2.) THIS AREA DESIGNATES A PRIVATE SEWERAGE EASEMENT OF 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. RECORDATION OF A MODIFIED SEWERAGE EASEMENT PLAT SHALL NOT BE REQUIRED.
- 3.) UNLESS OTHERWISE SHOWN NO WELLS OR SEWERAGE EASEMENTS ARE LOCATED WITHIN 100 FEET OF THE PROPERTY.
- 4.) EXACT LENGTH OF SEPTIC TRENCHES IS TO BE DETERMINED BY THE HEALTH DEPARTMENT AT THE TIME OF TRENCH LAYOUT AND INSPECTION.
- 5.) TOPOGRAPHY SHOWN HEREON WAS PURCHASED FROM HOWARD COUNTY, GEOGRAPHICAL INFORMATION SYSTEMS BY BENCHMARK ENGINEERING, INC. AND FIELD VERIFIED BY BENCHMARK ENGINEERING, INC.
- 6.) THE WELL IS TO BE DRILLED PRIOR TO SUBMITTAL OF FINAL PLAT FOR SIGNATURE. IT IS THE DEVELOPER'S RESPONSIBILITY TO SCHEDULE THE WELL DRILLING PRIOR TO FINAL PLAT SUBMISSION. IT WILL NOT BE CONSIDERED 'GOVERNMENTAL DELAY' IF THE WELL DRILLING DELAYS THE HEALTH DEPARTMENT SIGNATURE OF THE RECORD PLAT.
- 7.) GROUND WATER APPROPRIATION PERMIT SHALL BE OBTAINED PRIOR TO SUBMITTAL OF RECORD PLAT FOR SIGNATURE.
- 8.) ANY CHANGES TO A PRIVATE SEWERAGE EASEMENT SHALL REQUIRE A REVISED PERCOLATION CERTIFICATION PLAN.
- 9.) THE PURPOSE OF THIS PERCOLATION CERTIFICATION REVISION IS TO REVISE THE LOT 16 SEPTIC DISPOSAL AREA.

LEGEND

- SOILS CLASSIFICATION: CgC2
- SOILS DELINEATION: 480, 478
- EXISTING CONTOURS (FIELD RUN): [Symbol]
- PROPOSED STRUCTURE: [Symbol]
- EXISTING WELL BOX: [Symbol]
- EXISTING SEPTIC FIELD: [Symbol]
- PROPOSED SEPTIC REVISION (ADDITION): [Symbol]
- PERCOLATION TEST PASSED: ○
- PERCOLATION TEST FAILED: ●
- ALTERNATE WELL LOCATION: ⊕



VICINITY MAP

SCALE: 1"=2000'
ADC MAP No. 4 GRID D-13

SOILS LEGEND		
MAP SYMBOL	SOIL GROUP	SOIL TYPE
CgB2	B	CHESTER GRAVELLY SILT LOAM, 3 TO 8 % SLOPES, MODERATELY ERODED
EKB2	C	ELIOAK SILT LOAM, 3 TO 8 % SLOPES, MODERATELY ERODED
* INDICATES HYDRIC SOILS TAKEN FROM SOILS SURVEY, ISSUED JULY 1968, MAP NO. 7		

Owner/Builder
DR Horton, Inc
1356 Beverly Road
Suite 300
McLean, VA 22101
Phone: 571-723-0913
Fax: 800-551-5015

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 KNOWLEDGE AND BELIEF.

John M. Carney 11/2/16
DATE:

PLAN PREPARER: JOHN M. CARNEY
FOR BENCHMARK ENGINEERING, INC.

ENGINEERS ▲ LAND SURVEYORS ▲ PLANNERS

ENGINEERING, INC.

8480 BALTIMORE NATIONAL PIKE ▲ SUITE 315
ELLCOTT CITY, MARYLAND 21043
PHONE: 410-465-6105 FAX: 410-465-6644
E-MAIL: bei@bei-civilengineering.com

VISTA RIDGE LOT 11	
LOCATION:	TAX MAP No. 8 - GRID No. 23 PARCEL No. 176 4th ELECTION DISTRICT HOWARD COUNTY, MARYLAND
TITLE:	REVISED PERCOLATION CERTIFICATION PLAN
DATE:	OCTOBER, 2016
PROJECT NO.	1490
SCALE:	1" = 50'
DRAWING	1 OF 1

APPROVED: FOR PRIVATE WATER AND PRIVATE SEWER SYSTEMS HOWARD COUNTY HEALTH DEPARTMENT
Burton for Maura Peterson 11/2/16
COUNTY HEALTH OFFICER DATE:



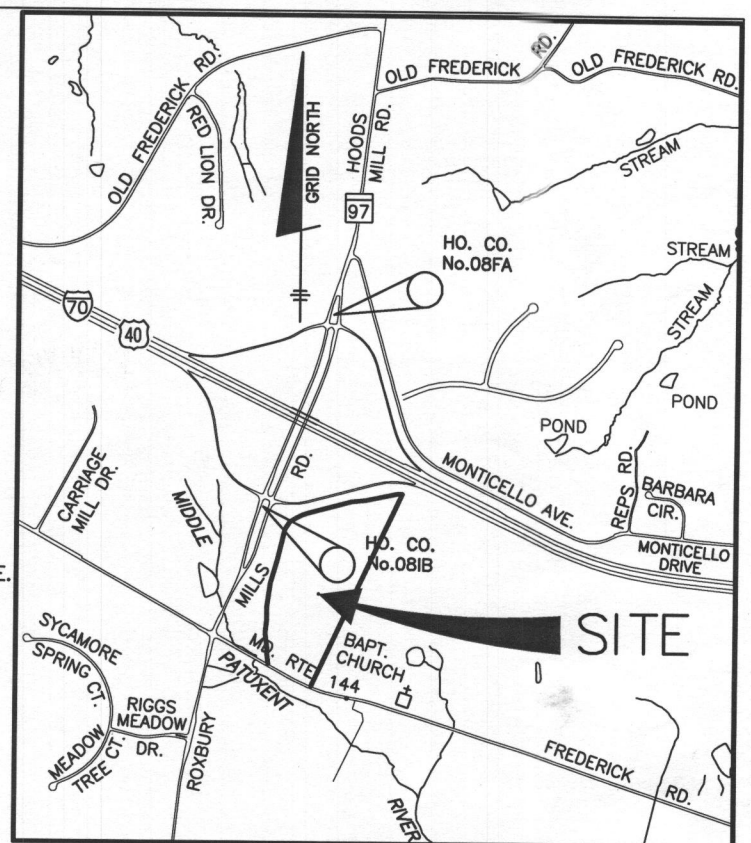
PLAN VIEW
1" = 50'

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LEGEND

- SOILS CLASSIFICATION **CgC2**
- SOILS DELINEATION
- EXISTING CONTOURS (FIELD RUN)
- PROPOSED STRUCTURE
- EXISTING WELL BOX
- EXISTING SEPTIC FIELD
- PROPOSED SEPTIC REVISION (ADDITION)
- PERCOLATION TEST PASSED
- PERCOLATION TEST FAILED
- ALTERNATE WELL LOCATION



VICINITY MAP

SCALE: 1"=2000'
ADC MAP No. 4 GRID D-13

SOILS LEGEND

MAP SYMBOL	SOIL GROUP	SOIL TYPE
CgB2	B	CHESTER GRAVELLY SILT LOAM, 3 TO 8 % SLOPES, MODERATELY ERODED
Ekb2	C	ELIOAK SILT LOAM, 3 TO 8 % SLOPES, MODERATELY ERODED

* INDICATES HYDRIC SOILS
TAKEN FROM SOILS SURVEY, ISSUED JULY 1968, MAP NO. 7

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DATE:

PLAN PREPARER: JOHN M. CARNEY
FOR BENCHMARK ENGINEERING, INC.

ENGINEERS ▲ LAND SURVEYORS ▲ PLANNERS

ENGINEERING, INC.

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PHONE: 410-465-6105 FAX: 410-465-6844
E-MAIL: bel@bei-civilengineering.com

APPROVED: FOR PRIVATE WATER AND PRIVATE SEWER SYSTEMS HOWARD COUNTY HEALTH DEPARTMENT
Paula Redman 11/21/16
COUNTY HEALTH OFFICER DATE:

VISTA RIDGE	
LOT 11	
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