

# APPLICATION

PERCOLATION TESTING

A 58073B

P \_\_\_\_\_

HOWARD COUNTY HEALTH DEPARTMENT

BUREAU OF ENVIRONMENTAL HEALTH

3525-H ELLICOTT MILLS DRIVE/ELLICOTT CITY, MARYLAND 21043  
TELEPHONE: 313-2840

DISTRICT \_\_\_\_\_

DATE 4/7/97

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.

DEVELOPER HP ASSOCIATES % REESE & GARNER  
PROPERTY OWNER \_\_\_\_\_

ADDRESS #10715 CHARTER DR, COL. PHONE (301) 854-0936

AGENT OR PROSPECTIVE BUYER \_\_\_\_\_

ADDRESS \_\_\_\_\_ PHONE \_\_\_\_\_

PROPERTY LOCATION:

SUBDIVISION HP HILL LOT NO. 2

ROAD AND DESCRIPTION ROUTE 108 C MONTGOMERY CO. LINE

TAX MAP 40 PARCEL # 42

SIZE OF LOT 3.03 AC. ± TYPE BLDG. SINGLE FAMILY  
(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. CRH HP Associates  
(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

A58073B

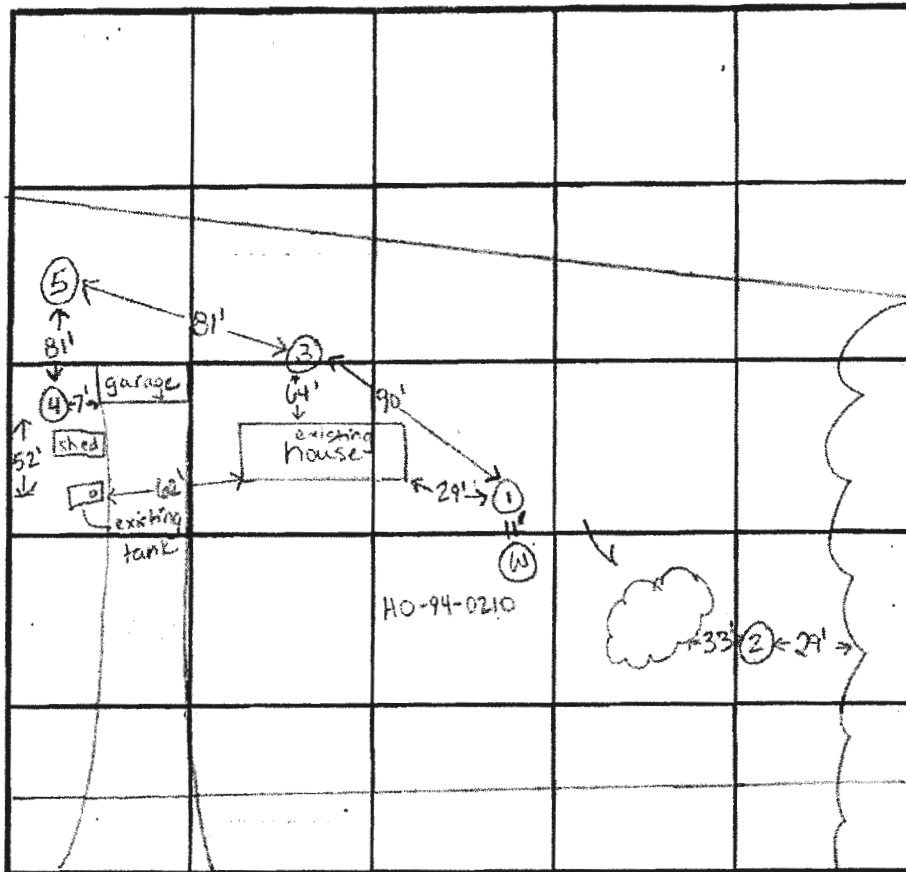
COUNTY #

SOIL PROFILE

0' top soil  
6.0' red/orange clay loam  
2.5' tan/brown silty sand loam  
10% shale fragments  
12.0'

6.0' top soil  
red/orange clay sandy loam  
4.0' tan/brown silty sand loam  
10% shale fragments  
11.5'

see soil profile for test hole #1



INDICATE NORTH - NAME ADJOINING ROADWAY AS BASE LINE.

Wainwright Road

SOIL PROFILE

0' top soil  
6.0' or/brown clay sandy loam  
5.5' tan/br silty sand loam  
10% shale fragments  
13.0'

DATE	TEST NO.	DEPTH	PRE-WET START	PRE-WET STOP	TEST - 1" DROP START	TEST - 1" DROP STOP	TIME
4-21-97	1	visual ok					
		12.0'D - visual					see profile
	2	5.0'S	12:1730	12:20	12:20	12:2230	230min
		11.5'D					visual - see profile
	3	visual ok					
		13.0'D					visual see profile for hole #1
	4	5.5'S	12:28	12:3930	12:39	1:05	26min
		13.0'D					visual - see profile
	5	visual ok					
		12.0'D					visual - see profile for hole #4

REMARKS test holes not staked

TYPE OF SOIL

TESTED BY Kim Maiste / Kim Soe

ALSO PRESENT Glen Ketterman

TRENCH DESIGN DATA: AVERAGE PERCOLATION TIME 14 minutes TRENCH WIDTH 3

INLET DEPTH 3.0 MAXIMUM BOTTOM DEPTH 5.0 SQ. FT/BEDROOM 210

A58073C

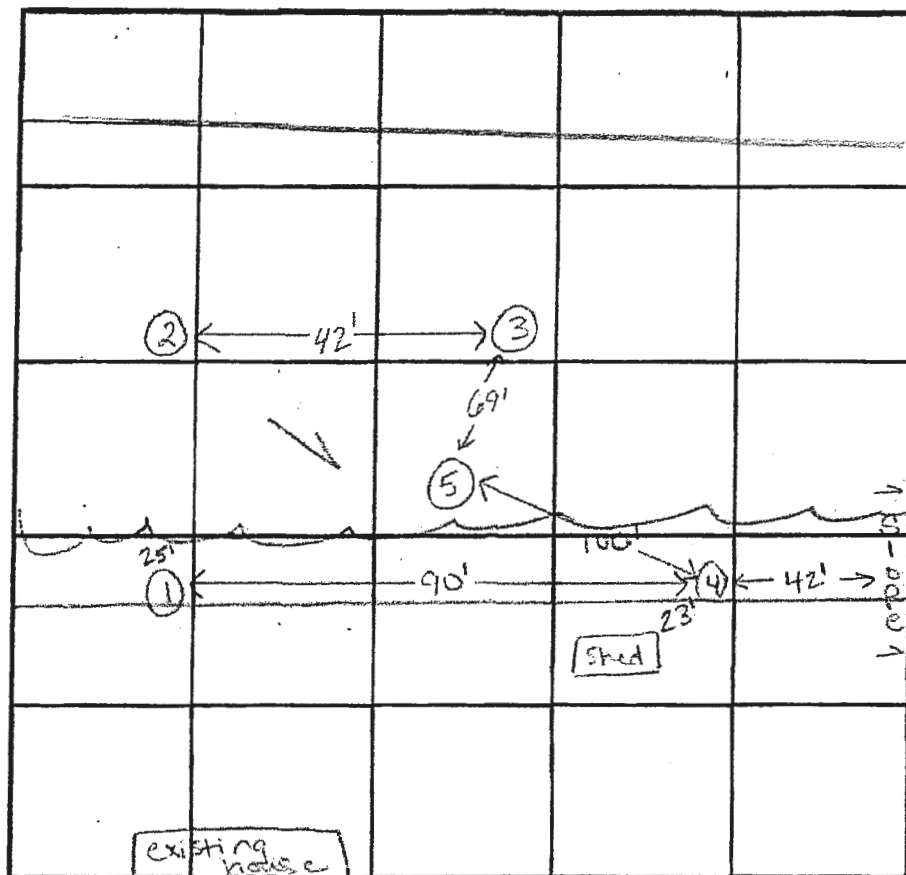
COUNTY #

## SOIL PROFILE

0' (1)  
orange/red  
sandy  
cl loam

4.5'  
br/or  
silty  
sandy lm  
15%  
shale  
fragments

12.5'



## SOIL PROFILE

0' (5)  
brown  
orange  
clay  
loam

5.0'  
white  
orange  
silty  
loam

14.0'

Route  
108

INDICATE NORTH - NAME ADJOINING ROADWAY AS BASE LINE.

DATE	TEST NO.	DEPTH	PRE-WET START	PRE-WET STOP	TEST - 1" DROP START	TEST - 1" DROP STOP	TIME
4-21-97	1	4.5'S	11:38	11:41	11:41	11:45	4min
		8.0'D	11:37	11:38	11:38	11:40	2min
		12.5'D	visual ok - see profile				
	2	12.5'D	visual ok - see profile				
	3	5.5'S	11:49	11:50	11:50	11:51	fast repour
		12.0'D	visual ok - see profile for #2				
	(repour)		11:51 <sub>30</sub>	11:52 <sub>30</sub>	11:52 <sub>30</sub>	11:54 <sub>30</sub>	2min
	4	5.5'S	12:08	12:09	12:09	12:11	2min
		12.5'D	visual ok - see profile				
	5	14'D	same as hole #1 visual ok				

REMARKS test holes not staked

TYPE OF SOIL

TESTED BY Ken Maiste / Kim SoeALSO PRESENT Alan KettermanTRENCH DESIGN DATA: AVERAGE PERCOLATION TIME 2-3 min TRENCH WIDTH 3INLET DEPTH 3.0 MAXIMUM BOTTOM DEPTH 5.0 SQ. FT/BEDROOM 180

(2)  
orange  
clay/sandy  
loam

3.0'  
tan/orange  
silty  
sandy  
loam

12.5'  
10%  
shale  
fragments

(4)  
or/red  
brown  
sandy  
clay  
loam

3.0'  
tan/br  
silty/sand  
loam

12.5'  
15%  
rock  
fragments

# BENCHMARK

ENGINEERS ▲ LAND SURVEYORS ▲ PLANNERS

## ENGINEERING, INC.

☐ 8480 Baltimore National Pike • Suite 418 • Ellicott City, Maryland 21043  
410-465-6105 410-465-6644 (Fax)

☐ 60 Thomas Johnson Drive • Frederick, Maryland 21702  
301-371-3505 301-371-3506 (Fax)

## LETTER OF TRANSMITTAL

TO: HOWARD COUNTY  
HEALTH DEPARTMENT

DATE	6/6/2012	PROJECT No.	2465
ATTENTION	ROBERT BRICKER		
RE:	WAINWRIGHT PROPERTY		

WE ARE SENDING YOU ☒ Attached ☐ Under separate cover via \_\_\_\_\_ the following items

☐ Photocopies ☐ Prints ☐ Originals ☐ Samples  
☐ Specifications ☐ Invoices ☐ Change Order ☐ Other \_\_\_\_\_

COPIES of	No. of SHEETS	DESCRIPTION
3	1	PERC CERT PLAN

THESE ARE TRANSMITTED as checked below

☐ For Comment ☐ For your use ☒ For Approval  
☐ For Review ☐ As requested ☐ Other \_\_\_\_\_

REMARKS:

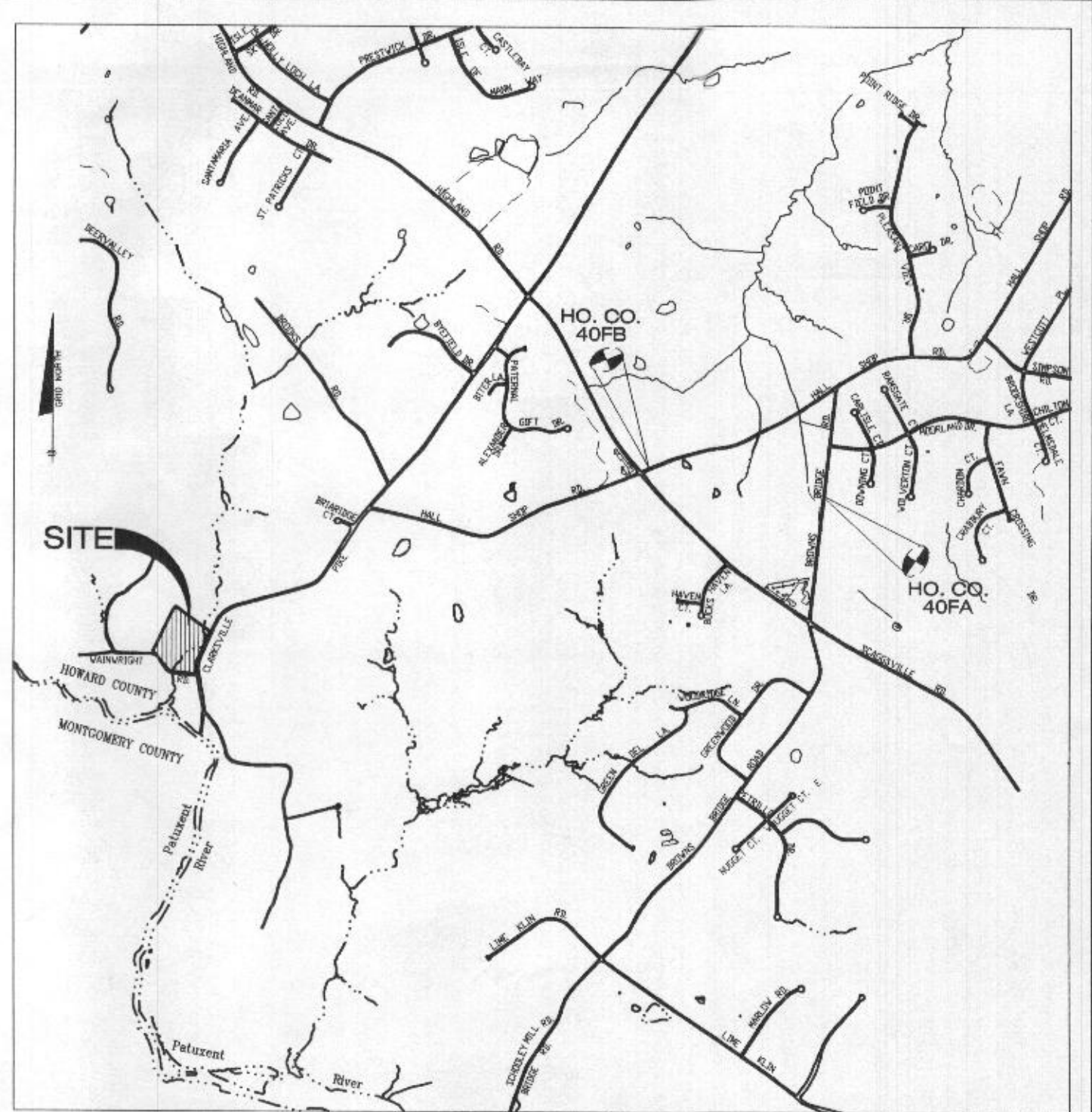
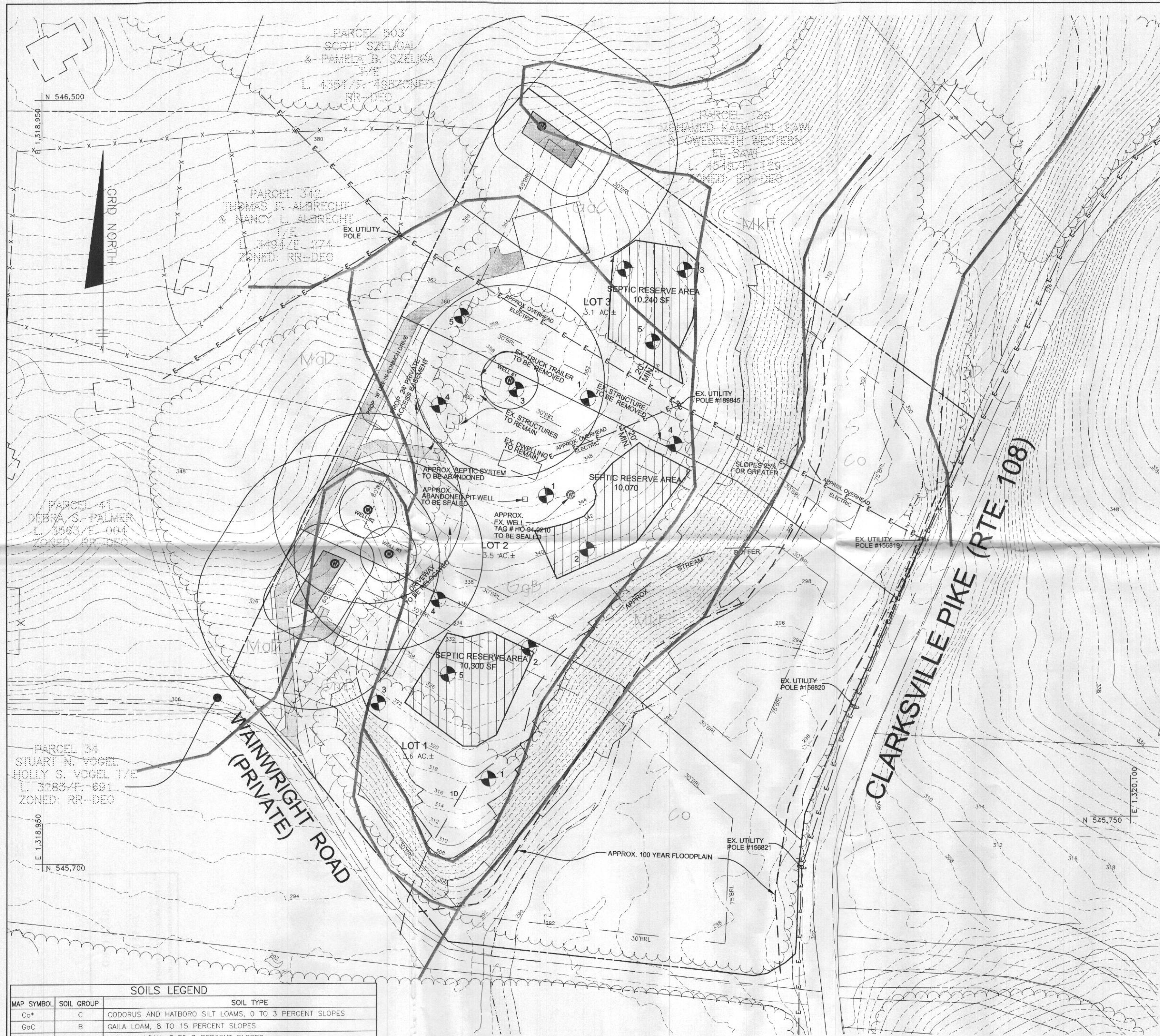
COPY TO:

RECEIVED BY:

SIGNED:

If enclosures are not as noted, kindly notify us at once.





VICINITY MAP

SCALE: 1" = 2000'  
ADC MAP PAGE: 5051,  
GRID: D4

GENERAL NOTES

- 1.) THE LOTS SHOWN HEREON COMPLY 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 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. RECORDATION OF A MODIFIED SEWERAGE EASEMENT PLAT SHALL NOT BE REQUIRED.
- 3.) EXACT LENGTH OF SEPTIC TRENCHES IS TO BE DETERMINED BY THE HEALTH DEPARTMENT AT THE TIME OF TRENCH LAYOUT AND INSPECTION.
- 4.) TOPOGRAPHY SHOWN IS BASED ON HOWARD COUNTY GIS.
- 5.) THERE ARE NO EXISTING WELLS OR SEPTIC SYSTEMS WITHIN 100' OF THIS PROJECT'S BOUNDARY EXCEPT AS NOTED.
- 6.) 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 UP HEALTH DEPARTMENT SIGNATURE OF THE RECORD PLAT.
- 7.) ANY CHANGES TO THE PRIVATE SEPTIC EASEMENT SHALL REQUIRE A REVISED PERCOLATION CERTIFICATION PLAN.
- 8.) 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. ANY SEPTIC SYSTEM DRAINFIELDS OR SEPTIC RESERVE AREA WITHIN 200' UP-GRADIENT OF PROPOSED WELLS OR WELLBOXES ARE SHOWN.
- 9.) THE PURPOSE OF THIS PLAN IS TO REVISE A PREVIOUSLY APPROVED PERCOLATION CERTIFICATION PLAN (7/16/98) BY CHANGING PROPOSED LOT LINES, RELOCATION A USE-IN-COMMON (RE: INGRESS/EGRESS) EASEMENT, AND ADDING ALTERNATE WELLS AND WELLBOX LOCATIONS.
- 10.) GRAVITY SEWER SERVICE TO THE BASEMENT OF THE EXISTING HOUSE MAY NOT BE AVAILABLE FOR FUTURE REPLACEMENT SYSTEM.
- 11.) THE EXISTING DRILLED WELL (HO-94-0210) ON PROPOSED LOT 2 IS TO BE SEALED BY A LICENSED WELL DRILLER, AND THE WELL ABANDONMENT REPORT RECEIVED BY THE HEALTH DEPARTMENT PRIOR TO RECORD PLAT SUBMITTAL.
- 12.) THE SEPTIC SYSTEM SERVING THE EXISTING RESIDENCE ON PROPOSED LOT 2 IS TO BE ABANDONED AND REPLACED PRIOR TO RECORD PLAT SUBMITTAL. PHOTOS AND A CONTRACTORS REPORT WILL BE SUBMITTED TO THE HEALTH DEPARTMENT SHOWING AND INDICATING PROPER ABANDONMENT OF THE EXISTING SEPTIC TANK AND EXISTING DRY WELL.
- 13.) THE PIT WELL IN FRONT OF THE EXISTING HOUSE (IDENTIFIED AS ABANDONED WELL) ON PROPOSED LOT 2 IS TO BE SEALED BY A LICENSED WELL DRILLER, AND THE WELL ABANDONMENT REPORT RECEIVED BY THE HEALTH DEPARTMENT PRIOR TO RECORD PLAT SUBMITTAL.

LEGEND

- EXISTING CONTOURS
- EXISTING TREELINE
- EXISTING STREAM
- EXISTING STREAM BUFFER
- APPROXIMATE 100 YEAR FLOODPLAIN LIMITS
- EXISTING STRUCTURE
- EXISTING OVERHEAD ELECTRIC
- PROPOSED STRUCTURE
- SLOPES 25% OR GREATER
- SOIL DELINEATION
- SOILS DELINEATION (Soil Map Unit Label)
- PROPOSED WELL
- PROPOSED WELL BOX
- PASSED PERCOLATION TEST LOCATION
- PROPOSED SEPTIC AREA

APPROVED FOR PRIVATE WATER AND SEWERAGE SYSTEM  
HOWARD COUNTY HEALTH DEPARTMENT  
  
Howard County Health Officer  
DATE 6/21/2012  
rgo

I CERTIFY THAT THE INFORMATION SHOWN HEREON IS BASED ON PREVIOUS WORK PERFORMED BY SHANABERGER & LANE AND IS CORRECT, TO THE BEST OF KNOWLEDGE AND BELIEF AND BASED ON PREVIOUS PERCOLATION CERTIFICATION PLAN APPROVED JULY 16, 1998 BY THE HEALTH DEPARTMENT.  
  
J. CHRIS DGLE  
PLAN PREPARER

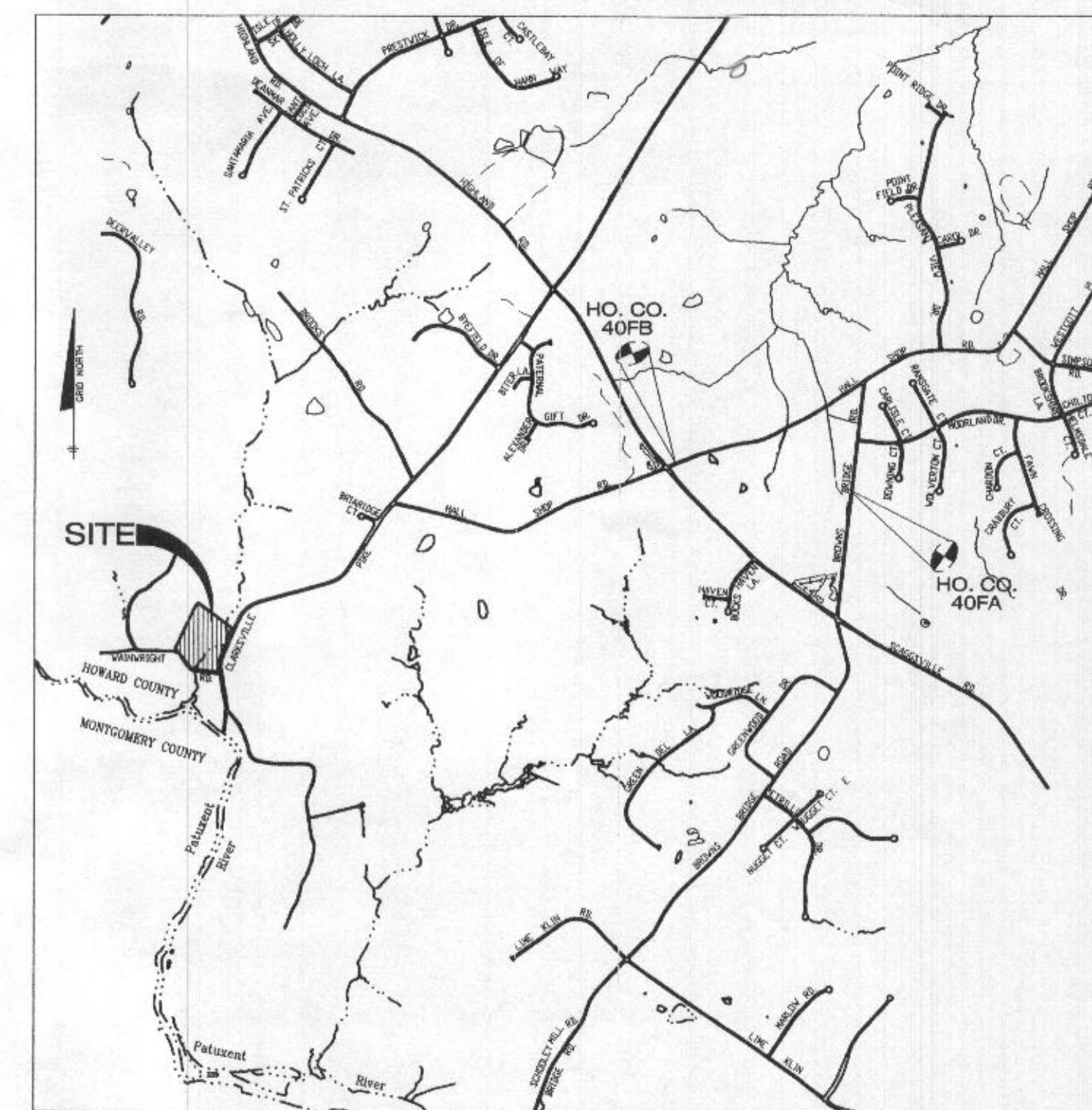
SOILS LEGEND		
MAP SYMBOL	SOIL GROUP	SOIL TYPE
Co*	C	CODORUS AND HATBORO SILT LOAMS, 0 TO 3 PERCENT SLOPES
GaC	B	GAILA LOAM, 8 TO 15 PERCENT SLOPES
GgB	B	GLENELG LOAM, 3 TO 8 PERCENT SLOPES
GmB*	C	GLENVILLE SILT LOAM, 3 TO 8 PERCENT SLOPES
MkF	B	MANOR-BRINKLOW COMPLEX, 25 TO 65 PERCENT SLOPES, VERY ROCKY
MoD	B	MANOR LOAM, 15 TO 25 PERCENT SLOPES
FROM NATURAL RESOURCES CONSERVATION SERVICES WEB SOIL SURVEY 2.0		
* ERODIBLE SOILS		

PLAN  
SCALE: 1" = 50'

**BENCHMARK**  
ENGINEERS • LAND SURVEYORS • PLANNERS  
**ENGINEERING, INC.**  
8480 BALTIMORE NATIONAL PIKE SUITE 418 • ELLICOTT CITY, MARYLAND 21043  
(P) 410-465-6105 (F) 410-465-6644  
60 THOMAS JOHNSON DRIVE • FREDERICK, MARYLAND 21702  
(P) 301-371-3505 (F) 301-371-3506  
WWW.BEI-CIVILENGINEERING.COM

OWNER:	EML MANAGEMENT, LLC 3 ASHGROUN WAY REISTERSTOWN, MARYLAND 21136
PROJECT:	13000 WAINWRIGHT ROAD
LOCATION:	TAX MAP-40 GRID-15 PARCEL-42 5th ELECTION DISTRICT HOWARD COUNTY, MARYLAND
TITLE:	REVISED PERCOLATION CERTIFICATION PLAN
DATE:	JUNE, 2012
DESIGN:	CAM/JCO
DRAFT:	JCO
PROJECT NO.	2465
SCALE:	AS SHOWN
DRAWING	1 OF 1





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  - PROPOSED WELL BOX
  - PAUSED PERCOLATION TEST LOCATION
  - PROPOSED SEPTIC AREA

APPROVED FOR PRIVATE WATER AND SEWERAGE SYSTEM  
HOWARD COUNTY HEALTH DEPARTMENT

*Bryan P. Peter Bideman* 6/21/2012  
HOWARD COUNTY HEALTH OFFICER *ref* DATE *07/09* SW

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*J. Chris Ogile*  
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<b>BENCHMARK</b> ENGINEERS • LAND SURVEYORS • PLANNERS <b>ENGINEERING, INC.</b> 8480 BALTIMORE NATIONAL PIKE SUITE 418 • ELLICOTT CITY, MARYLAND 21043 (P) 410-465-6105 (F) 410-465-6644 60 THOMAS JOHNSON DRIVE • FREDERICK, MARYLAND 21702 (P) 301-371-3505 (F) 301-371-3506 WWW.BEI-CIVILENGINEERING.COM		OWNER:	PROJECT:
		EML MANAGEMENT, LLC 3 ASHGROUN WAY REISTERSTOWN, MARYLAND 21136	13000 WAINWRIGHT ROAD
DESIGN: CAM/JCD		DRAFT: JCD	LOCATION:
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SCALE: AS SHOWN		DRAWING 1 OF 1	TITLE:
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