

# APPLICATION

## FOR PERCOLATION TESTING AND SITE EVALUATION

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

TEST TIME \_\_\_\_\_

AP 527224

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

DATE \_\_\_\_\_

**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 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)	<u>Lesley and Megan Kirkegaard</u>			
DAYTIME PHONE	CELL	FAX		
MAILING ADDRESS	<u>18200 Penn Shop Road</u>	<u>Mt. Airy</u>	<u>MD</u>	<u>21771</u>
	STREET	CITY/TOWN	STATE	ZIP
APPLICANT	<u>Heritage Land Development</u>			
DAYTIME PHONE	CELL	FAX		
MAILING ADDRESS	<u>410-489-7900</u>	<u>443-604-4379</u>	<u>410-489-9768</u>	
	STREET	CITY/TOWN	STATE	ZIP
APPLICANT'S ROLE	<input checked="" type="checkbox"/> DEVELOPER	<input type="checkbox"/> BUILDER	<input type="checkbox"/> BUYER	<input type="checkbox"/> RELATIVE/FRIEND
		<input type="checkbox"/> REALTOR	<input type="checkbox"/> CONSULTANT	
PROPERTY LOCATION				
SUBDIVISION NAME				
PROPERTY ADDRESS	<u>18200 Penn Shop Road</u>	<u>Mt. Airy</u>	<u>MD</u>	<u>21771</u>
	STREET	TOWN/POST OFFICE	LOT NO.	
TAX MAP PAGE(S)	<u>6</u>	GRID	<u>4</u>	PARCEL(S)
			<u>177</u>	PROPOSED LOT SIZE
				<u>7.218</u>

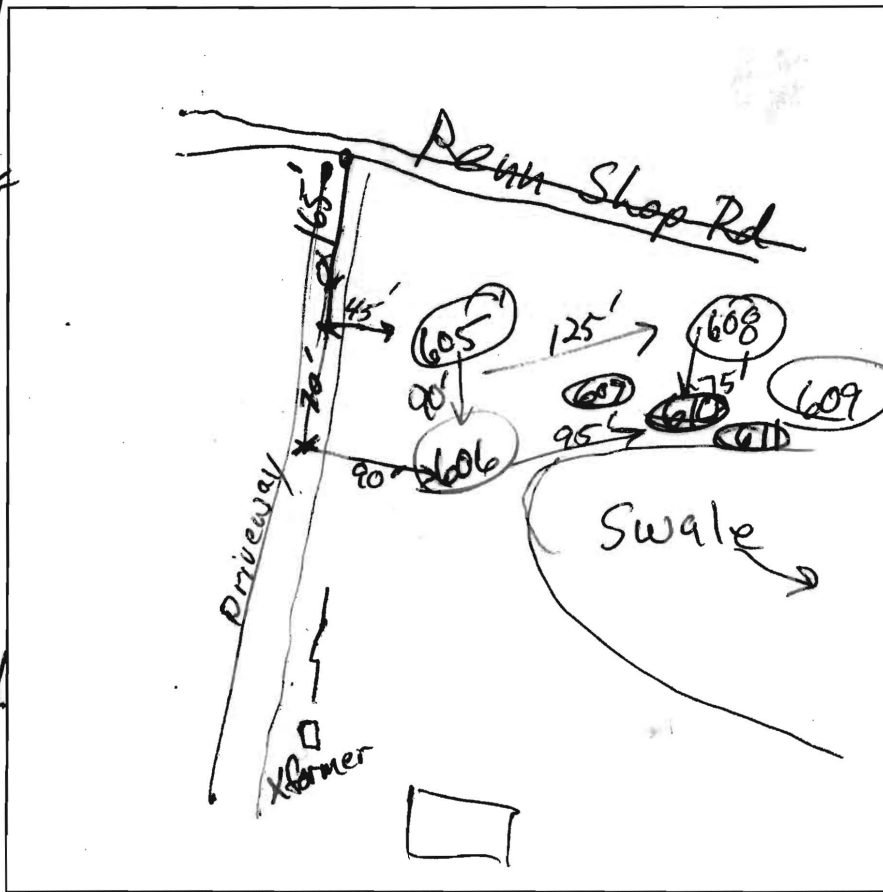
AS APPLICANT, I UNDERSTAND THE FOLLOWING: THE SYSTEM INSTALLED SUBSEQUENT TO THIS APPLICATION IS ACCEPTABLE ONLY UNTIL PUBLIC SEWAGE IS AVAILABLE. THIS APPLICATION IS COMPLETE WHEN ALL APPLICABLE FEES AND A SUITABLE SITE PLAN HAVE BEEN RECEIVED. I ACCEPT THE RESPONSIBILITY FOR COMPLIANCE WITH ALL M.O.S.H.A.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

  
SIGNATURE OF APPLICANT

HOWARD COUNTY HEALTH DEPARTMENT, BUREAU OF ENVIRONMENTAL HEALTH, WELL AND SEPTIC PROGRAM  
1718 COLUMBIA GATEWAY DRIVE, COLUMBIA, MARYLAND 21046 (410) 313-1771 FAX (410) 313-2648  
TDD (410) 313-2323 TOLL FREE 1-877-4MD-DHMH

AP 527224

(605) (608)  
 1' brn loam  
 1' 1 fskb to 2msbk  
 2' brn chsil  
 1msbk  
 brn vchsil  
 1msbk  
 3.5' brn vchsil  
 1 fskb  
 5' brn chsil, dense  
 7' brn vch  
 10' red brn chsil  
 13'



(606)  
 13' brn sil  
 3 fskb to 2msbk  
 3' brn chsil  
 2msbk  
 dk greyish brn  
 vchsil, dense  
 6.5' ~~brn chsil~~ dense  
 8' brn vchsil  
 dense  
 13.5' red-brn chl  
 (607) (610)  
 1' brn sil  
 3 fskb & msbk  
 2.5' brn sil  
 2msbk  
 3.5' brn chsil  
 1msbk  
 brn vchsil  
 dense  
 8.5' vchsil  
 11 grey dipping  
 14'

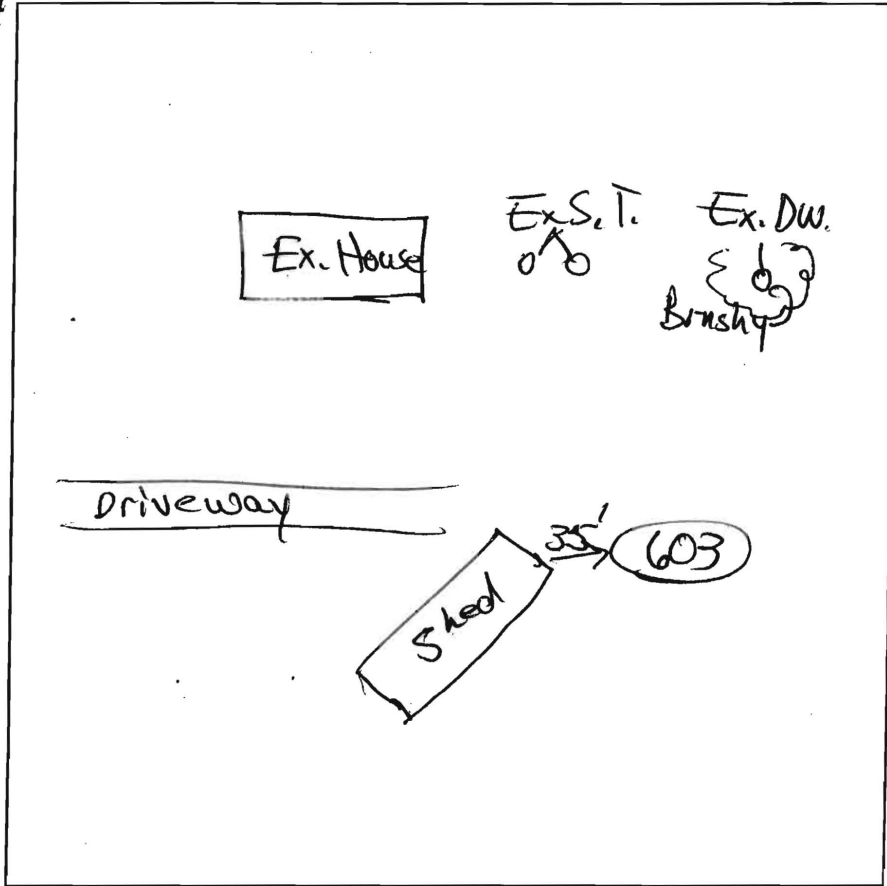
DATE	TEST #	DEPTH	START	BREAK 1" DROP	STOP 2" DROP	TIME OF 2ND INCH	P/F/H	
7/24/07	605	6' 13"	9:47	11:09			F	
	605	8' 13"	11:27	11:42	12:07	25	P	
7/24/07	608	4' 9" / 12'	10:01	10:31			F	
	608	8'	12:51	12:54	12:58	4	P	
7/24/07	607	8' / 14'	10:13	10:43			F	
	607	8.5' / 14'	11:32	11:35	11:41	6	P	
7/24/07	609	5.5' / 15'	10:33	11:03			F	
7/24/07	606	8.2' / 14'	11:52	11:58	12:16	18	P	
7/24/07	610	14'	Visual, similar to 607					P

(609)  
 1' brn sil  
 2 fskb to 2msbk  
 4' brn chsil  
 1msbk  
 red-brn  
 vch sil  
 9.5' >50%  
 flags  
 red brn sil  
 10'

(611)  
 1' brn sil  
 2 fskb & 2msbk  
 15' brn chsil  
 dense  
 8' red brn  
 vch sil  
 10.5' >50%  
 flags  
 & channers  
 13'

REMARKS: 7/24/07 Cell 10' will not fit w/ 8' deep track F  
 All bottoms checked - OK, #606 a little slower  
 SANITARIAN: RB BACKHOE: Ben, Justin OTHERS: Chuck Zepp  
 TEST HOLES USED IN SDA: 605, 606, 607, 608, 610 AVG. PERC TIME: 13.3 SQ. FT/BR: 187.5  
 TRENCH WIDTH: 3 INLET DEPTH: 4 MAX. BOT DEPTH: 8.5 EFFECTIVE SW: 0  
 3BR planned; 188 LF Trench Required.

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0.5' brnsil  
 3' brnchsil  
 dk grey brn  
 vch sil  
 7.5' 35% channels  
 dk brn-grey  
 vch & fl sil  
 9' >50% channels & flags  
 x fl sil  
 13.5' bedded shale

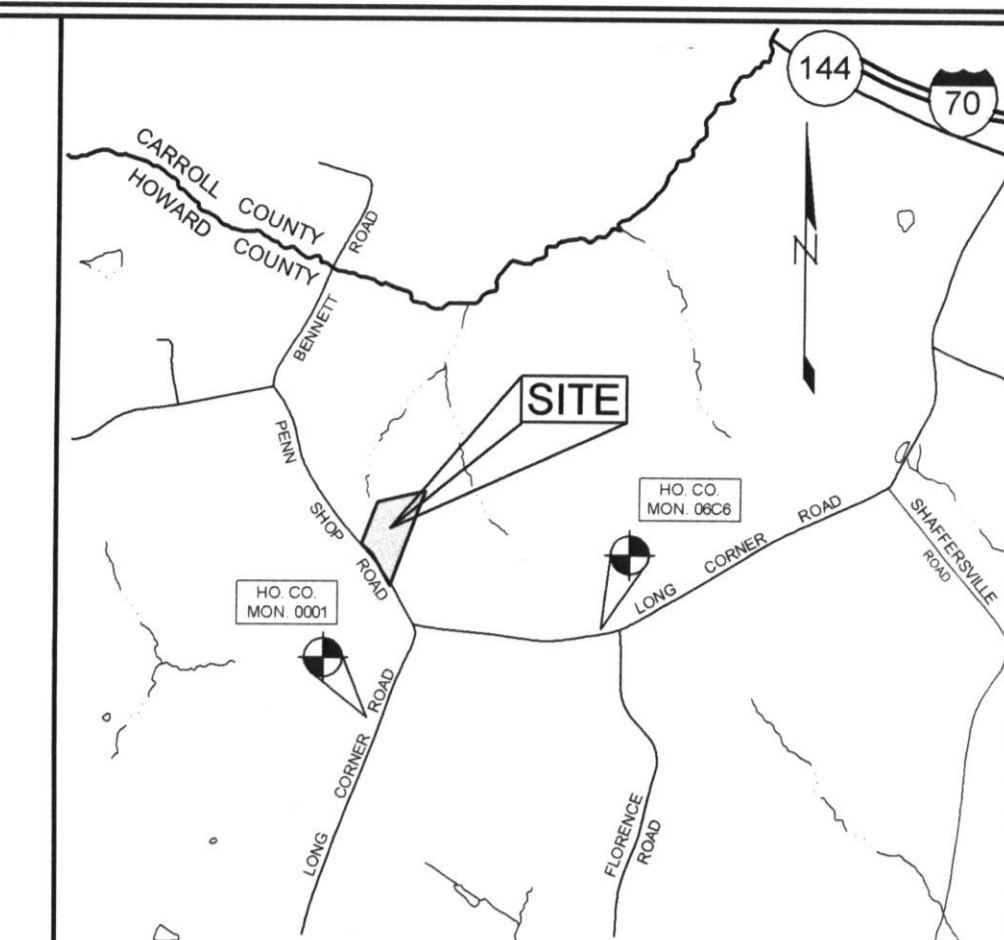
DATE	TEST #	DEPTH	START	BREAK 1" DROP	STOP 2" DROP	TIME OF 2ND INCH	P/F/H
7/24/03	603	Visual			7.5'	>50%	rock F

REMARKS Easement originally proposed on nose  
slope behind shed  
 SANITARIAN RR BACKHOE OTHERS Chuck Zepp  
 TEST HOLES USED IN SDA 0 Ben Justin AVG. PERC TIME SQ. FT/BR  
 TRENCH WIDTH      INLET DEPTH      MAX. BOT DEPTH      EFFECTIVE SW

SYMBOL	NAME / DESCRIPTION	GROUP
GIB2	GLENELG LOAM, 3 TO 8 PERCENT SLOPES, MODERATELY ERODED	B
GIC2	GLENELG LOAM, 8 TO 15 PERCENT SLOPES, MODERATELY ERODED	B
GnB2	GLENVALE SILT LOAM, 3 TO 8 PERCENT SLOPES, MODERATELY ERODED	C
LnB2	LINGANORE CHANNERY LOAM, 3 TO 8 PERCENT SLOPES, MODERATELY ERODED	C
LnC2	LINGANORE CHANNERY LOAM, 8 TO 15 PERCENT SLOPES, MODERATELY ERODED	C
LnD2	LINGANORE CHANNERY LOAM, 15 TO 25 PERCENT SLOPES, MODERATELY ERODED	C
MIB2	MT. AIRY CHANNERY LOAM, 3 TO 8 PERCENT SLOPES, MODERATELY ERODED	A
MC2	MT. AIRY CHANNERY LOAM, 8 TO 15 PERCENT SLOPES, MODERATELY ERODED	A
MI	MT. AIRY CHANNERY LOAM, 25 TO 45 PERCENT SLOPES	A

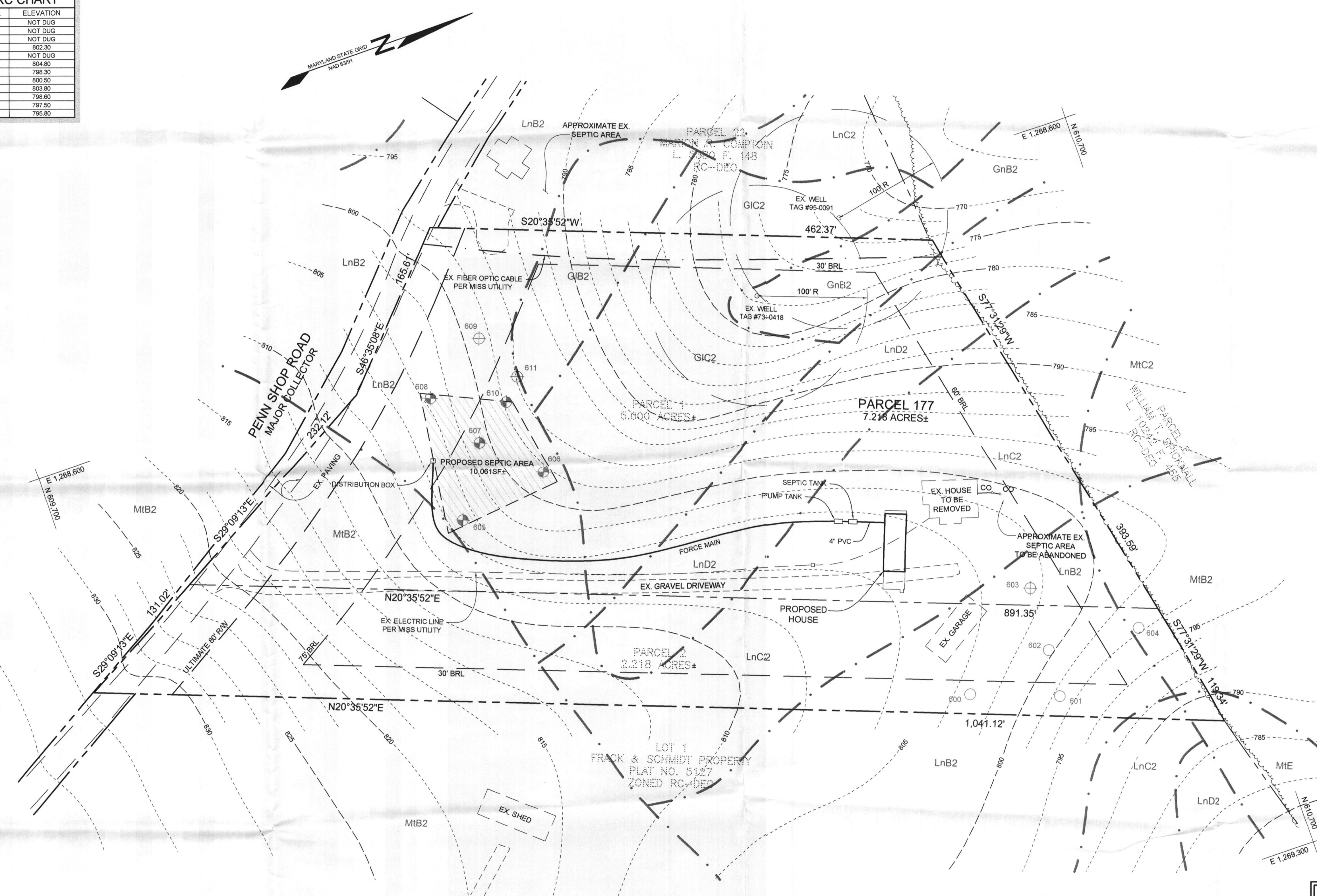
**LEGEND**

- EXISTING CONTOUR 382
- EXISTING TREELINE
- PERCOLATION TEST HOLE, NOT DUG 600
- EXISTING PERCOLATION TEST HOLE, PASSED 606
- EXISTING PERCOLATION TEST HOLE, FAILED 609



**VICINITY MAP**  
SCALE: 1=2000'

HOLE NO.	ELEVATION
600	NOT DUG
601	NOT DUG
602	NOT DUG
603	802.30
604	NOT DUG
605	804.80
606	798.30
607	800.50
608	803.80
609	798.60
610	797.50
611	795.80



**GENERAL NOTES**

1. SUBJECT PROPERTY ZONED RC-DEO PER 02/02/04 COMPREHENSIVE ZONING PLAN.
2. TOTAL AREA OF PROPERTY = 7.218 AC ±
3. PRIVATE WATER AND PRIVATE SEWER WILL BE USED WITHIN THIS SITE.
4. THIS AREA DESIGNATES A PRIVATE SEWAGE EASEMENT, OF AT LEAST 10,000 SF AS REQUIRED BY THE MARYLAND STATE DEPARTMENT OF THE ENVIRONMENT FOR INDIVIDUAL SEWAGE DISPOSAL (COMAR 26.04.03). IMPROVEMENTS OF ANY NATURE IN THIS AREA ARE RESTRICTED UNTIL PUBLIC SEWERAGE IS AVAILABLE. THESE EASEMENTS 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 EASEMENT. RECORDATION OF A MODIFIED SEWAGE EASEMENT SHALL NOT BE NECESSARY.
5. THE PROPERTY BOUNDARY IS BASED ON HOWARD COUNTY TAX MAP INFORMATION AND A DEED PLOT.
6. EXISTING TOPOGRAPHY BASED ON HOWARD COUNTY AERIAL TOPOGRAPHY FLOWN IN 1993 AND HAS BEEN FIELD VERIFIED.
7. DEED REFERENCE: LIBER 2494 FOLIO 213
8. THE LOTS SHOWN HEREON COMPLY WITH THE MINIMUM OWNERSHIP, WIDTH AND LOT AREA AS REQUIRED BY THE MARYLAND DEPARTMENT OF THE ENVIRONMENT.
9. THE EXISTING WELL WILL REMAIN TO SERVE THE NEW HOUSE.
10. ALL EXISTING WELLS, SEPTIC SYSTEMS AND SEWAGE DISPOSAL EASEMENTS WITHIN 100 FEET OF THE PROPERTY BOUNDARIES AND ALL EXISTING AND PROPOSED WELLS THAT ARE LOCATED WITHIN 200 FEET DOWN GRADIENT OF EXISTING OR PROPOSED SEPTIC SYSTEMS AND SEWAGE DISPOSAL EASEMENTS HAVE BEEN FIELD LOCATED.
11. THE PURPOSE OF THIS PLAN IS TO ACHIEVE AN APPROVED SEPTIC EASEMENT FOR THE NEW HOUSE.
12. PROPOSED SEPTIC SYSTEM TO BE DESIGNED AT BUILDING PERMIT STAGE.
13. ANY CHANGES TO A PERCOLATION CERTIFICATION PLAN SHALL REQUIRE A REVISED COPY OF THE PLAN.

**OWNER/DEVELOPER**  
LESLEY AND MEGAN KIRKEGAARD  
18200 PENN SHOP ROAD  
MT. AIRY, MD 21771

**PERCOLATION CERTIFICATION PLAN**  
**KIRKEGAARD PROPERTY**

TAX MAP 06 GRID 04  
4TH ELECTION DISTRICT

PARCEL 177  
HOWARD COUNTY, MARYLAND

**Sill · Adcock & Associates · LLC**  
Engineers · Surveyors · Planners  
3300 North Ridge Road, Suite 160  
Ellicott City, Maryland 21043  
Phone: 443.325.7682 Fax: 443.325.7685  
Email: info@saalland.com

DESIGN BY: PS  
DRAWN BY: PS  
CHECKED BY: PS  
SCALE: 1"=50'  
DATE: SEPTEMBER 07, 2007  
PROJECT #: 07-054  
SHEET #: 1 of 1

APPROVED FOR PRIVATE WATER AND PRIVATE SEWAGE SYSTEMS IN ACCORDANCE WITH THE MASTER PLAN OF HOWARD COUNTY

*Signature of Peter Brileman*  
COUNTY HEALTH OFFICER  
HOWARD COUNTY HEALTH DEPARTMENT  
DATE: 9/21/2007