



# APPLICATION

## FOR PERCOLATION TESTING AND SITE EVALUATION

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

AP 528465

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

DATE 1/29/08

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) Perry & Maria Fisher

DAYTIME PHONE N/A CELL 443-463-8901 FAX N/A

MAILING ADDRESS 5556 Landing Road Elkridge, Maryland 21075  
STREET CITY/TOWN STATE ZIP

APPLICANT LDE, Inc (Steve Heiss)

DAYTIME PHONE \_\_\_\_\_ CELL 443-928-4135 FAX 410-715-9540

MAILING ADDRESS Same as subject property Elkridge, MD 21045  
STREET CITY/TOWN STATE ZIP

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

PROPERTY LOCATION  
SUBDIVISION/PROPERTY NAME T.M. 31, Grid 24, Parcel 584 LOT NO. \_\_\_\_\_

PROPERTY ADDRESS 5556 Landing Road Elkridge,  
STREET TOWN/POST OFFICE

TAX MAP PAGE(S) 31 GRID 24 PARCEL(S) 584 PROPOSED LOT SIZE 5.1 Ac.  
Existing Parcel

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. Steve Heiss  
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

5556 Landing Rd.

AVP

①

0.7' 10VR 4/2 sl  
1 fgr & fsbk

1.7' 10VR 5/4 sl  
2 fsbk slightly sticky

2.2' 7.5VR 4/4 sl  
slightly sticky

2.6' 7.5VR 4/4 fbsl  
slightly sticky

3.5' 7.5VR 5/6 sl, Øsg

7.2' 10VR 8/4 ls

8' ↓ (6)

1.4' sl

2.6' scl

3.5' ls

5' vclbs  
white clay

⑦

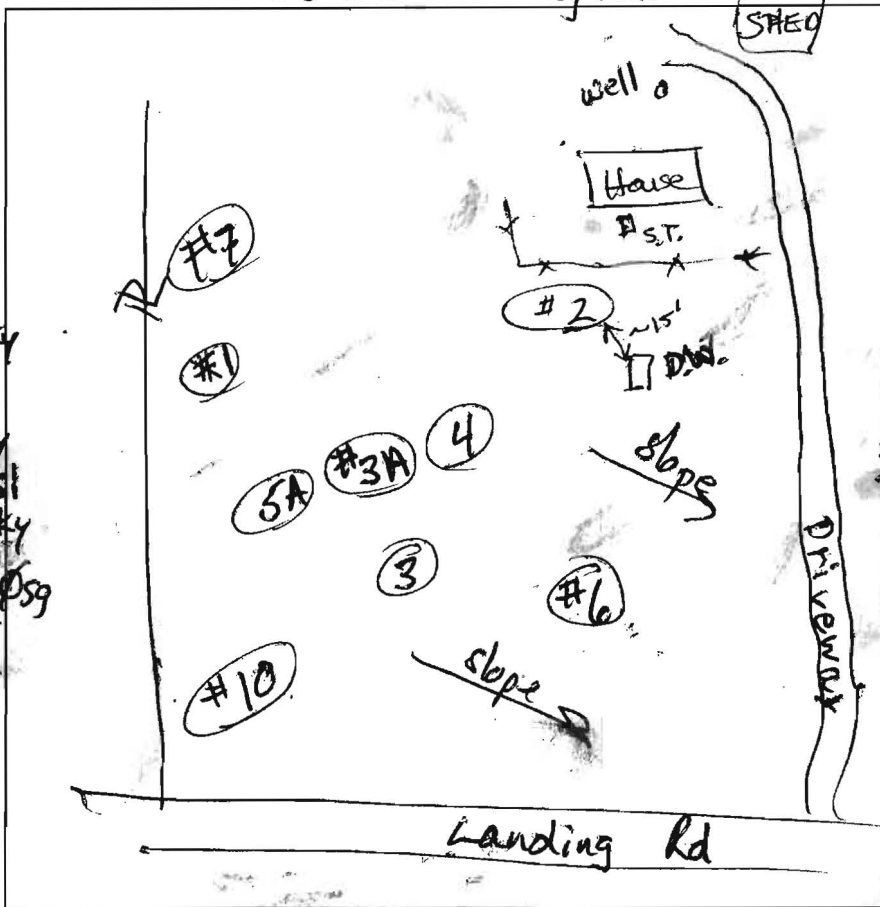
0.8' dk brn sl  
1 fgr.

1.3' yel-brn sl  
1msbk

2.3' dk yel-brn sl  
sticky, heavy

3.3' brn sl heavy  
slight sticky

7.5VR 6/6  
Øsg, ls  
few pebbles



②

0.7' 7.5VR 4/2  
sl 1 fsbk

1.7' 10VR 5/4  
sl 1msbk  
slightly sticky

3.2' 7.5VR 6/6 sl  
nonsticky, Øsg

3.6' 7.5VR 6/6 ls  
Øsg

5' 5VR 5/6 sc

C2D 5VR 7/2  
10 cobbles slight sticky

6' 5VR 5/6 sc

C3P 10VR 8/2

8' 10VR 8/1  
clay, Øm  
nonsticky

DATE	TEST #	DEPTH	START	BREAK 1" DROP	STOP 2" DROP	TIME OF 2ND INCH	P/F/H
6/18/08	1	2.8'	0	50m	2m 20a	1m 30a	
	1	3.8'	0	20a	45a	25a	F
	1	1.8'	0	2m	6m	4m	P
6/18/08	2	6'	Visual	sandy clay 3.6'	clay 6' to 8'		F
	3A	2.5'	12:23	12:42	1:17	35m	
	3A	1.7'		1m 45a	6m 15a	7min 13m 5a	P
6/18/08	3A	2.8'	12:15a	14:15a	17:44a	3.5min	P
	7	2.6'	1:34	1:34	1:35	← 30a	
	7	1.9'	1:36	1:37	1:38	1m 20a	
	7	1.9'	1:41	1:43	1:48	5m	P

③-A

0.7' 7.5VR 4/2  
sl 1 fsbk

1.7' 10VR 5/4  
sl 1msbk

3.2' 7.5VR 6/6 sl  
slightly sticky

3.8' 7.5VR 6/6 vclbs  
Øsg

5' ↓

REMARKS: Cobbles are quartz, 1/4" to 1" dia., rounded edges; occur throughout profile

SANITARIAN RB/DB BACKHOE \_\_\_\_\_ OTHERS Steve Higgs

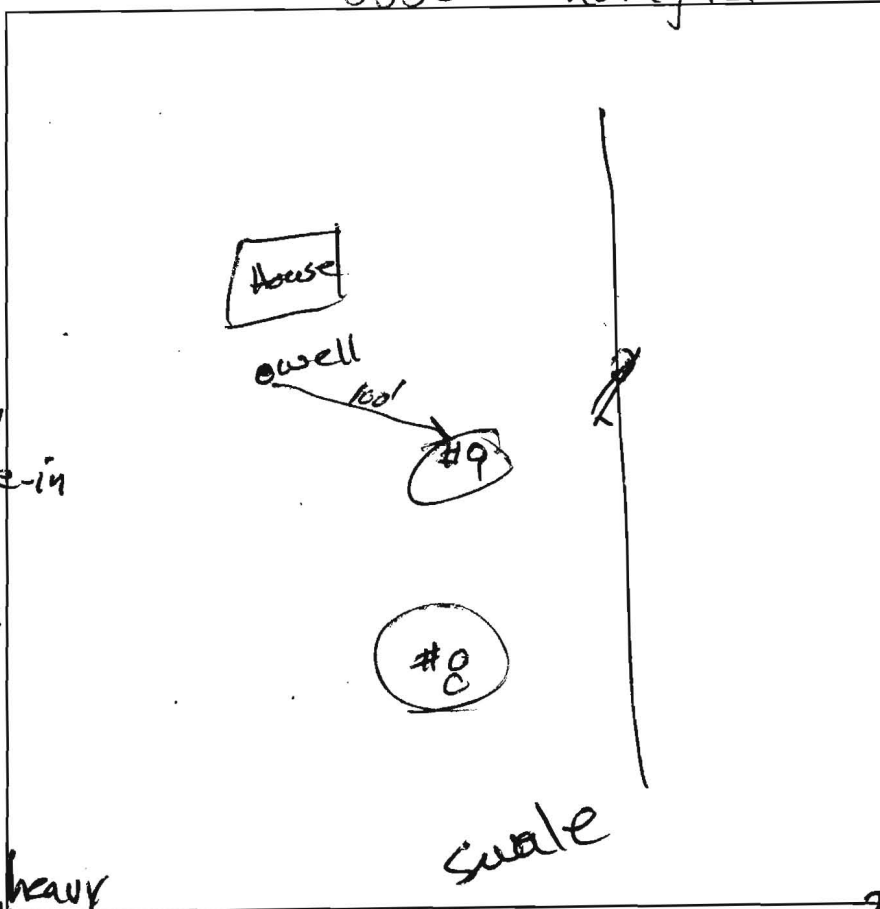
TEST HOLES USED IN SDA 1, 3, 3A, 4, 5A, 7 AVG. PERC TIME < 5 SQ. FT/BR 125

TRENCH WIDTH 2' INLET DEPTH 1' MAX. BOT DEPTH 1.5' EFFECTIVE SW Ø

Total Trench Length/system = 250'

5556 Landing Rd

A/P



2' Lt. brn sl  
2' brn scl  
4.5' brn loam  
6' white sand  
& Lt. yel-brn sl  
eye-in  
brown scl  
w/ common  
medium  
depletions  
water seeps  
4'

2' Lt. brn sl  
2' brn scl heavy  
sticky  
3.5' brn sl  
sticky  
7' yel-brn scl  
many  
medium  
depletions  
8'

10  
Lt grey brn  
sb sl  
0.7' Lt. yel-brn  
sl, 7fsbk  
1.8' brn cbsl  
sticky  
2.8' 7.5YR 6/6  
sl  
3.2' 7.5YR 6/6  
cbsl  
7'

front of house  
near Landing Rd

DATE	TEST #	DEPTH	START	BREAK 1" DROP	STOP 2" DROP	TIME OF 2ND INCH	P/F/H
6/18/08	9	5'	2:40	3:05	+	pulled	F
6/18/08	10	1.8'	3:25.8	3:26.8	3:29	2m15s	P
6/18/08	10	2.4'	3:30.8	3:36.3	3:45	8m40s	P

REMARKS \_\_\_\_\_

SANITARIAN \_\_\_\_\_ BACKHOE \_\_\_\_\_ OTHERS \_\_\_\_\_

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

TRENCH WIDTH \_\_\_\_\_ INLET DEPTH \_\_\_\_\_ MAX. BOT DEPTH \_\_\_\_\_ EFFECTIVE SW \_\_\_\_\_

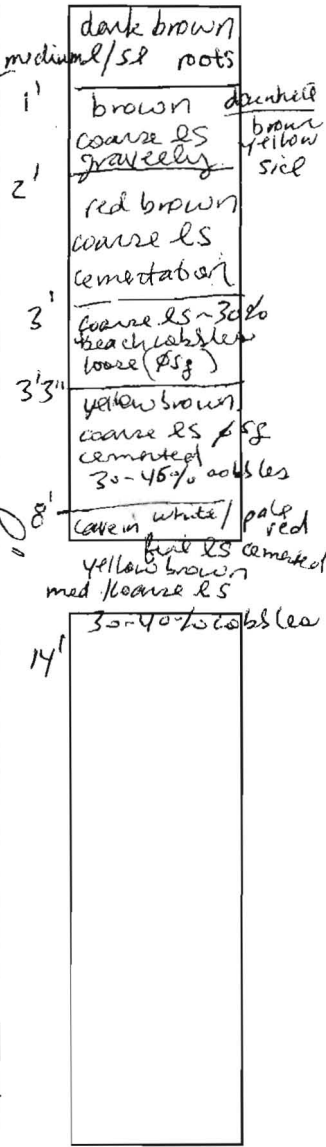
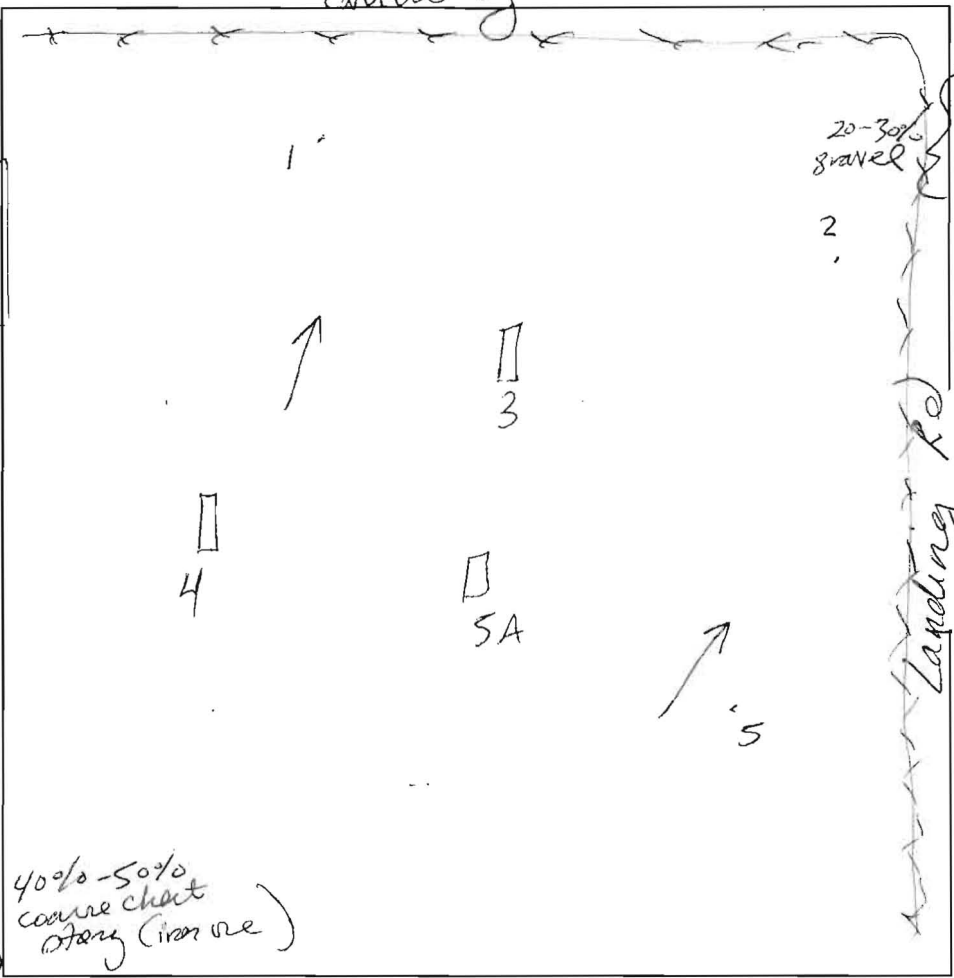
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driveway

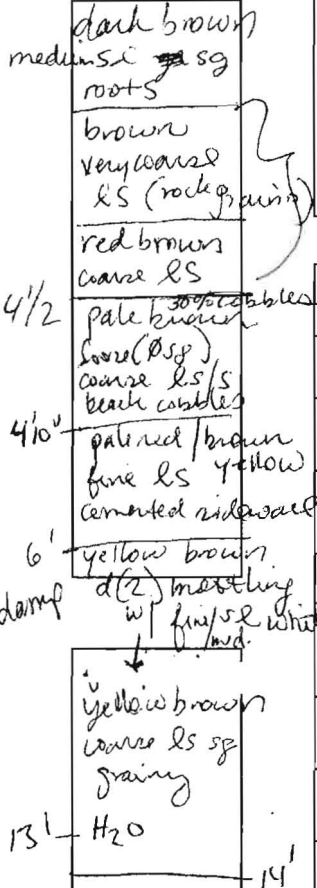
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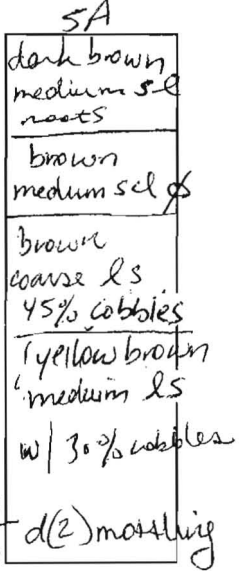
House



DATE	TEST #	DEPTH	START	BREAK 1" DROP	STOP 2" DROP	TIME OF 2ND INCH	P/F/H
2/29/08	4	6' 5" / 14'		no movement			F
	3	5' / 14'	11:02 / 11:03	11:03 / 11:03	11:03 / 11:03		F
			11:04	11:04	11:04	2 min	
	SA	5' 3" / 14'	11:09 / 11:10	11:10 / 11:10	11:10 / 11:11		F
			11:11	11:11	11:12	1 min	
	Sand mound	10 1/6 / 10 11/16	11:33 / 11:48	5/16			
	12"	10 8/16 / 10 5/16	12:03 / 12:18	3/16 / 3/16			



40% - 50% coarse chert stone (iron ore)



REMARKS 1, 2, 5 test holes not dug. = Sand mound site = prop. has access to public utilities (NO)

SANITARIAN \_\_\_\_\_ BACKHOLE \_\_\_\_\_ OTHERS \_\_\_\_\_

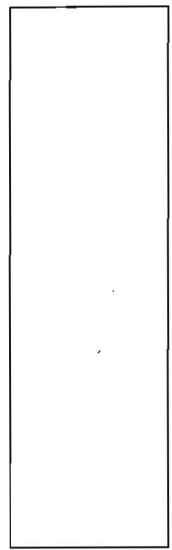
TEST HOLES USED IN SDA \_\_\_\_\_ AVG. PERC TIME \_\_\_\_\_ SQ. FT/BR \_\_\_\_\_

TRENCH WIDTH \_\_\_\_\_ INLET DEPTH \_\_\_\_\_ MAX. BOT DEPTH \_\_\_\_\_ EFFECTIVE SW \_\_\_\_\_

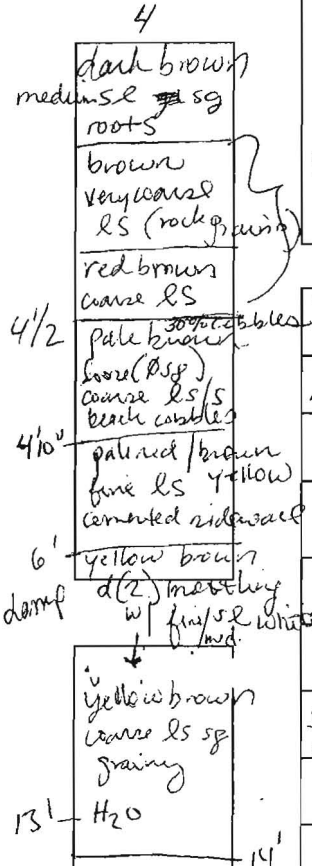
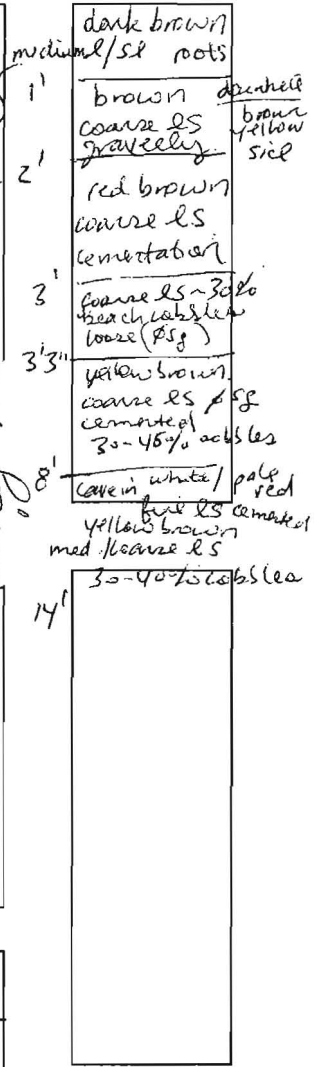
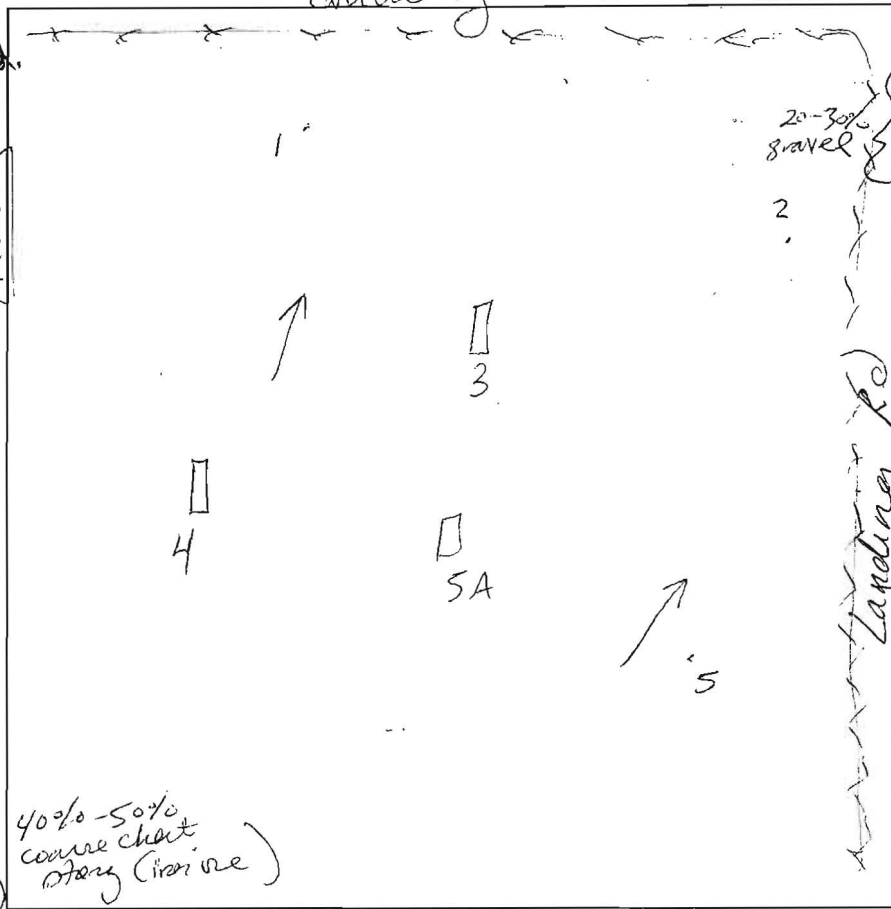
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5556 landing Rd.

driveway

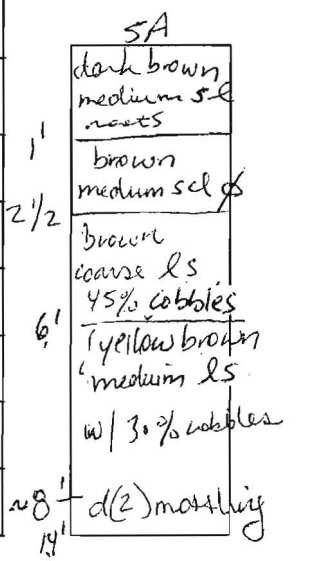


House



40%-50% coarse chert (iron ore)

DATE	TEST #	DEPTH	START	BREAK 1" DROP	STOP 2" DROP	TIME OF 2ND INCH	P/F/H
2/29/08	4	6'5" / 14'		no movement			F
	3	5' / 14'	11:02 / 11:03	11:03 / 11:03	11:03 / 11:03		F
			11:04	11:04	11:04	21 min	
	SA	5'3" / 14'	11:09 / 11:10	11:10 / 11:10	11:10 / 11:11		F
			11:11	11:11	11:12	1 min	
	Sand mound	10'6" / 16"	11:33	5 / 16			
		10'11" / 16"	11:48				
		10'8" / 16"	12:03	3 / 16			
	12"	10'5" / 16"	12:18	3 / 16			



REMARKS 1, 2, 5 test holes not dug. = Sand mound site = prop has access to.

SANITARIAN \_\_\_\_\_ BACKHOE \_\_\_\_\_ OTHERS \_\_\_\_\_  
 TEST HOLES USED IN SDA \_\_\_\_\_ AVG. PERC TIME \_\_\_\_\_ SQ. FT/BR \_\_\_\_\_  
 TRENCH WIDTH \_\_\_\_\_ INLET DEPTH \_\_\_\_\_ MAX. BOT DEPTH \_\_\_\_\_ EFFECTIVE SW \_\_\_\_\_  
 (NO)



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

March 10, 2008

Perry and Maria Fisher  
5556 Landing Rd  
Elkridge, MD 21075

RE: Percolation Test Results – A528465  
5556 Landing Rd

Dear Mr. and Mrs. Fisher,

Percolation testing conducted on February 29, 2008 on the referenced property indicated unsatisfactory soil conditions. Copies of the test results are enclosed. The primary limiting factor was the sandy soil texture, which contributed to fast percolation test rates of less than two minutes. Passing test rates need to be between two minutes and thirty minutes. In addition, the Bureau of Utilities confirmed the availability of public water and sewer to your property. Due to this availability, the Howard County Health Department will require the property to connect to public utilities.

If you have any questions regarding this matter, please contact me at the above address or by calling (410) 313-4261.

Sincerely,

Sara Sappington, R.S.  
Well and Septic Program  
Development Coordination Section