



HOWARD COUNTY HEALTH DEPARTMENT

28940

DATE
5/14/08

Received From Craig T. Harrison - Mogren PHONE # 410-482-0851

15282 Rockway Rd. Blaine, MD 21757

For Pers Application
15282 Rockway Rd.

NO. 4816 Five hundred and 00/100 Dollars

\$ 506 00

Received By Mary L. Bazzano

To Repay
additional debt
in 50%
in 50%



APPLICATION

FOR PERCOLATION TESTING AND SITE EVALUATION

TEST DATE(S) _____ TEST TIME _____

AP 528940

AGENCY REVIEW: _____

DATE 5/14/08

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 1 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) Craig & Roberta Garrison-Mogren

DAYTIME PHONE 410-489-0851 CELL _____ FAX _____

MAILING ADDRESS 15282 Roxbury Rd Glenelg MD 21737
STREET CITY/TOWN STATE ZIP

APPLICANT Craig & Roberta Garrison-Mogren

DAYTIME PHONE 410-489-0851 CELL _____ FAX _____

MAILING ADDRESS 15282 Roxbury Rd Glenelg MD 21737
STREET CITY/TOWN STATE ZIP

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

PROPERTY LOCATION
SUBDIVISION/PROPERTY NAME _____ LOT NO. _____

PROPERTY ADDRESS 15282 Roxbury Rd Glenelg
STREET TOWN/POST OFFICE

TAX MAP PAGE(S) 21 GRID _____ PARCEL(S) 27 PROPOSED LOT SIZE 5.14 acres

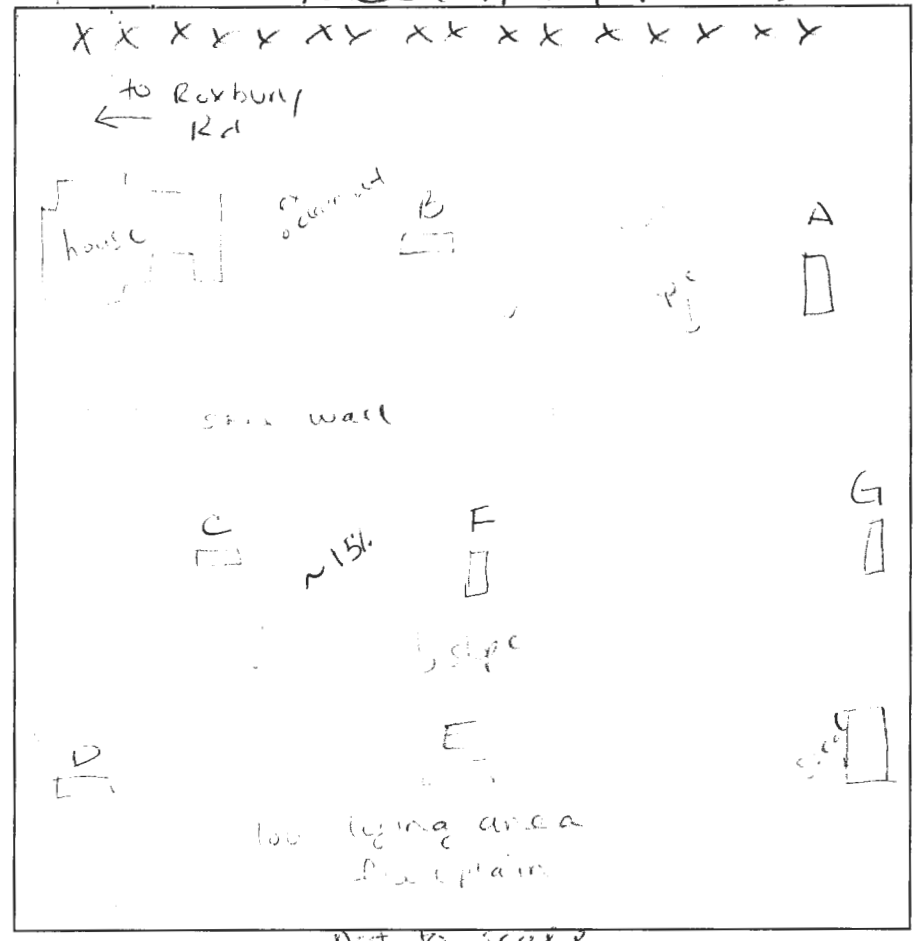
AS APPLICANT, I UNDERSTAND THE FOLLOWING: THE SYSTEM INSTALLED SUBSEQUENT TO THIS APPLICATION IS ACCEPTABLE ONLY UNTIL PUBLIC SEWERAGE IS AVAILABLE. THIS APPLICATION IS COMPLETE WHEN ALL APPLICABLE FEES AND A SUITABLE SITE PLAN HAVE BEEN RECEIVED. I ACCEPT THE RESPONSIBILITY FOR COMPLIANCE WITH ALL M.O.S.H.A.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

TEST RESULTS WILL BE MAILED TO APPLICANT. Craig T. Mogren May 14, 2008
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

528940
A/P

fence (approx. prop. line)



A
1.8' brn l roots 30% rx
3' coarse rx frags
brn ls
↓
7' brn sl 40% boulders
yellow brn sl 750% rx
9' HB

B
1' brn l
3.5' 45% flaggy boulders
brn ls
↓
6' brn med sl 20% rx
750% rx
HB

C
1' dk brn l
3' moist sl 35% coarse chert 30% rx
yellow brn/dk brn fs l
6' Saprolite 35% channers
lt brn ls cemented rx
10' fs l
12' bottom

D
brn l .5'
brn sl 30% coarse chert 2'
dk brn moist sl 140% boulders
mottles/wet @ 5'
H2O @ 7'
9'

E
5' brn l
4' lt brn sl 50% boulders
mottles @ 6.5'
very wet cave in @ 9.5'
9.5'

F
3' dk brn l
brn sl 35% boulders
brn fs l 15% rx
↓
yellow brn waxy cemented ls 30% channers
↓
sl 10'

DATE	TEST #	DEPTH	START	BREAK 1" DROP	STOP 2" DROP	TIME OF 2ND INCH	P/F/H
6-3-08	A	9'	visual		rock		F
	B	6'	visual		rock		F
	C	6.5'/12'	10:15	10:16	10:18	2	P
	D	9'	visual		H2O		F
	E	9.5'	visual		H2O		F
	F	6'/12'	11:10	11:13	11:19	6	P
	G	11'	visual		H2O/rock		F

REMARKS holes not stacked upon arrival
SANITARIAN HS BACKHOE Fyock OTHERS homeowner
TEST HOLES USED IN SDA 7 AVG. PERC TIME SQ. FT/BR
TRENCH WIDTH INLET DEPTH MAX. BOT DEPTH EFFECTIVE S/W

A/P _____

1' 6
brn l
org brn
sl
moist
40% rx
frag's
4' yellow
brn
sl
750%
boulders
mottles
11' @ 6'

DATE	TEST #	DEPTH	START	BREAK 1" DROP	STOP 2" DROP	TIME OF 2ND INCH	P/F/H

REMARKS _____

SANITARIAN _____ BACKHOE _____ OTHERS _____

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

TRENCH WIDTH _____ INLET DEPTH _____ MAX. BOT DEPTH _____ EFFECTIVE SW _____

A-2

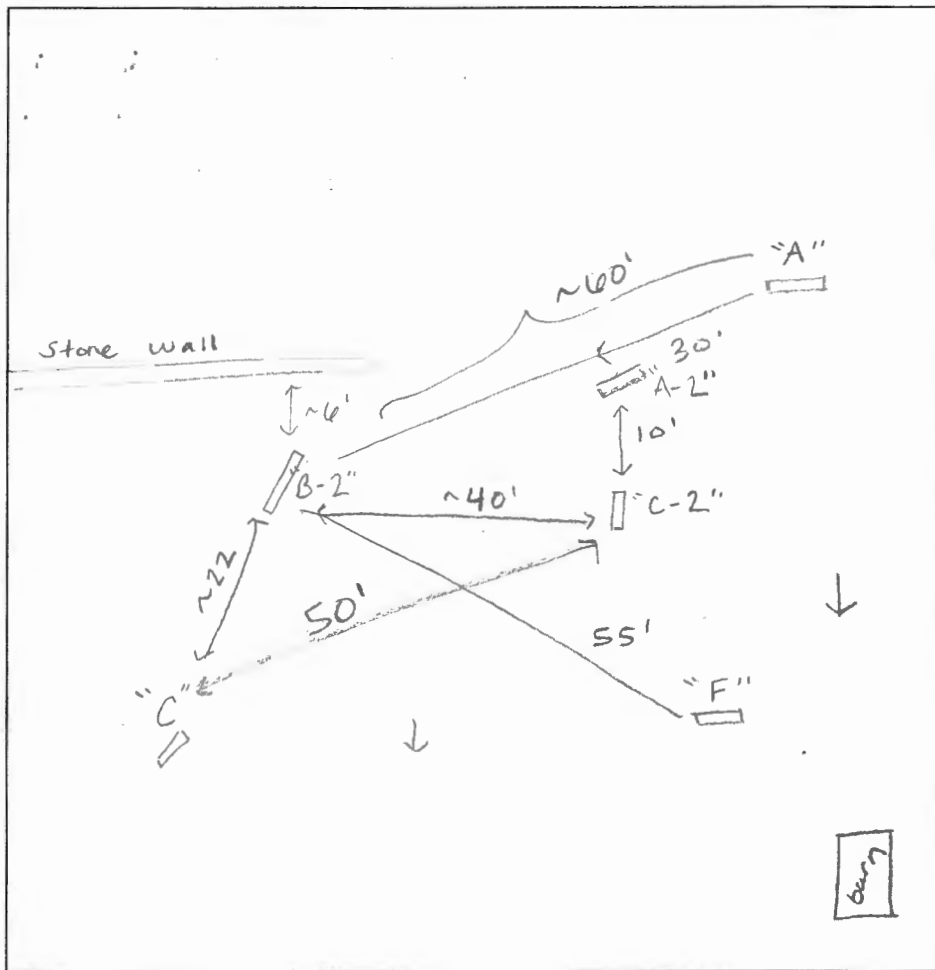
5' brn & sbk
 2' brn sel
 yellow brn
 se 75%
 rx flaggy
 boulders
 3.5' bottom

B-2

2.5' bk brn l
 org brn
 chsel
 yellow brn
 ls 20% strongly
 cemented rx
 ↓
 5.5' yellow brn
 se/ls
 saprolite
 Mn & Fe deposits
 & Fe deposits
 med spl
 10' btwn 13-14'
 lots of Fe & Mn
 14'

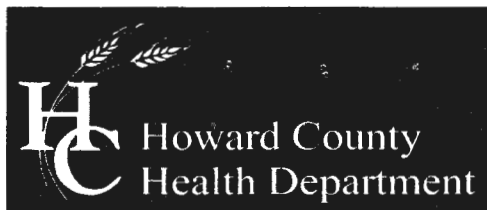
C-2

5' brn l
 35% boulders
 4' brn ls
 yellow brn
 chsel
 25% rx frags
 ↓
 8.5' yellow brn
 chsel (some
 silt)
 30% flaggy channels
 ↓
 12' ~40% rx
 brn sel
 Mn on ped
 faces



DATE	TEST #	DEPTH	START	BREAK 1" DROP	STOP 2" DROP	TIME OF 2ND INCH	P/F/H
12/1/08	A-2	3.5'	visual		rock		F
	B-2	5.5' / 14'	10:15	10:17	10:20	3	P
	C-2	12'	visual		-ok-		P

REMARKS upper portion of "B-2" rocky
 SANITARIAN RB/HS BACKHOE Hatfields OTHERS Dale
 TEST HOLES USED IN SDA _____ AVG. PERC TIME _____ SQ. FT/BR _____
 TRENCH WIDTH _____ INLET DEPTH 3 3/4' MAX. BOT DEPTH 8 EFFECTIVE SW _____
 liquid level in "septic tank" ~3.5' from grade



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

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

June 13th, 2008

Craig & Roberta Mogren
15282 Roxbury Rd.
Glenelg, MD 21737

**Re: PERCOLATION TEST RESULTS
15282 Roxbury Road
#A528940**

Dear Mr. & Ms. Mogren,

Percolation testing was conducted at the above referenced property on June 3rd, 2008 in response to a future building permit application for renovation, reconfiguration and/or possible enlargement of an existing addition consisting of living space. Results indicate satisfactory and unsatisfactory soil conditions for conventional onsite wastewater disposal. A total of seven test holes were dug within the proposed septic easement(s).

Test holes C & F were found to have suitable soils and percolation rates for conventional waster water disposal. Test holes A & B located within the vicinity of the existing septic system failed due to high rock content. The water table was observed in hole D at 7' and test hole E at 8.5'. Mottles were found at approx. 5' indicating water table fluctuation within the potential treatment zone. Test holes D & E were dug at the lowest elevations. Overall restrictions included unsuitable floodplain soils, water table issues, and high percentage of rock at shallow depths. Field data collected is shown on the Percolation Test Worksheets enclosed with this letter.

Due to passed holes C & F an approvable septic easement is possible in this location. This easement would serve as future septic replacement area for the existing house in addition to the "apartment" house due to the other failing test locations. Given the time the existing septic system was installed and a failed test hole due to high percentage of rock in the vicinity of the system this suggests potential groundwater contamination due to possible fractured rock. Although your system does not appear to be failing our department will require that the existing septic system be abandoned and upgraded prior to approval of any building permit. Additionally, you have been advised of the potential for installation of pre-treatment options, and the Bay Restoration Fund where you may obtain a grant to help with the cost of adding a pre-treatment component to your wastewater system. This option has been deemed favorable by our office given the many conditions on your property. If you are pre-approved our office will be notified.

Furthermore, in keeping with best practices and current regulation the existing spring on the property may no longer be utilized as source for drinking water. A new well must be drilled in accordance with COMAR. The spring may be kept as a water source only for irrigation or other such purposes. This also must be completed prior to any building permit approval

Any further consideration regarding your addition is contingent upon submission of a Percolation Certification Plan by a registered surveyor/engineer. This plan will be reviewed for its completeness and compliance with state and local code.

If you have any questions or concerns regarding this evaluation, please contact me at (410) 313-6287.

Sincerely,

A handwritten signature in black ink, appearing to read "Heidi Scott", written in a cursive style.

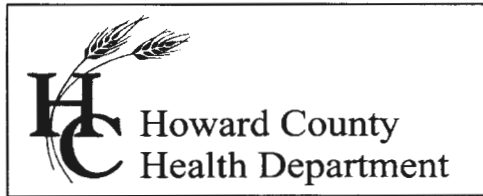
Heidi Scott
Well & Septic Program
Development Coordination Section

Enclosures

Cc:

File

Marks & Associates, L.L.C.



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

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

MEMORANDUM

TO: Erik Marks
Marks & Associates, LLC

FROM: Heidi Scott
Well and Septic Program
Development Coordination Section

RE: Percolation Certification Plan
15282 Roxbury Rd

DATE: July 8th, 2008

The comment(s) below are to be addressed for the above referenced plan:

- Please add the following note: *The septic system must have advanced treatment due to restrictive factors such as shallow rock and water. A supplemental site plan with all of the necessary details for installation of the system will be required prior to release of the building permit and septic installation permit.*

HS
Cc:
File