



APPLICATION

FOR PERCOLATION TESTING AND SITE EVALUATION

TEST DATE(S) _____ TEST TIME _____

AP 555267

AGENCY REVIEW: _____

DATE 10-10-14

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 unknown 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) Shirley L. Fleming

DAYTIME PHONE 301-829-0693 CELL 443-250-0450 FAX _____

MAILING ADDRESS 601 W. Watersville Road Mount Airy Md. 21771
STREET CITY/TOWN STATE ZIP

APPLICANT Brenda L. Fleming-Warren brendalee6764@gmail.com

DAYTIME PHONE 301-481-5852 CELL 301-481-5852 FAX _____

MAILING ADDRESS 20803 Lavender Place Lexington Park Md. 20653
STREET CITY/TOWN STATE ZIP

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

PROPERTY LOCATION
SUBDIVISION/PROPERTY NAME ELM-LEE FARM LOT NO. 1

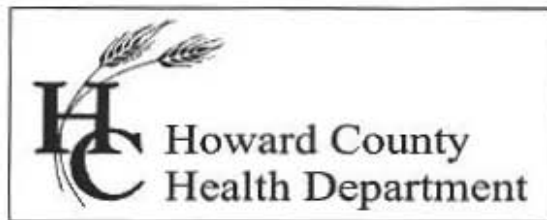
PROPERTY ADDRESS 611 W. Watersville Road Mount Airy Md. 21771
STREET TOWN/POST OFFICE

TAX MAP PAGE(S) 2 GRID 14 PARCEL(S) 10 PROPOSED LOT SIZE 1 Acre

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. [Signature]
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



Bureau of Environmental Health

8930 Stanford Blvd., Columbia, MD 21045
Main: 410-313-1771 | Fax: 410-313-2648
TDD 410-313-2323 | Toll Free 1-866-313-6300
www.hchealth.org
Facebook: www.facebook.com/hocohealth
Twitter: HowardCoHealthDep

Maura J. Rossman, M.D., Health Officer

January 20, 2015

To: Brenda Fleming-Warren, Applicant
brendalee6764@gmail.com

RE: Percolation Test Report; 611 West Watersville Road, December 2014 perc tests

Percolation tests were conducted at 611 West Watersville Road (Tax Map 2, Parcel 10) on December 17, 2014. Five test locations, '1A' thru '1E', were staked prior to the test date. Tests were conducted at accessible locations at the respective stakes. As locations '1A', '1C' and '1D' FAIL, test locations '1F', '1G', '1H', '1I', and '1J' and '1J2' were added in the field.

Test locations that 'PASS' have soils satisfactory for wastewater treatment and disposal in conventional trenches. Locations of percolation tests that 'PASS' are used to define the sewage disposal area (SDA) proposed on the Percolation Certification Plan. The percolation test results and suitable area for wastewater discharge are certified by the Approving Authority's signature of the Percolation Certification Plan. Locations that PASS and to be included within a SDA, or define its boundary, are '1G', '1E', '1B', '1F', '1H' and '1J2'. Location '1J2' defines the southeast corner of the approvable area as locations '1I' and '1J' FAIL.

The test locations must be surveyed and submitted on the Percolation Certification Plan. In addition to these locations tested in December 2014, other tests were conducted on the property in 2005 and in 2010. A sketch is provided showing the relative locations of all of these percolation tests.

Health Department records of the 2005 and 2014 tests are included as an attachment to this report. The locations of these tests are referenced by field observations recorded by Health Department personnel and may be referenced as such by the engineer designing the Percolation Certification Plan.

If you have any questions regarding this evaluation or requirements for a Percolation Certification Plan, please contact me by email or by calling (410) 313-2691.

Respectfully,


Robert Bricker, CPSS, REHS/RS, L.E.H.S.
Environmental Sanitarian II
Well and Septic Program

Enclosures: 1 Perc Test Application with 2 Field Worksheets with sketch of all documented Percolation Test locations
2005 percolation test results
2010 percolation test results and report

Copy: T. Michael VanSant, PLS, VanMar Associates, tmv@vanmar.com
file

AP

1-A

1-B

← Ridge Crest →

North

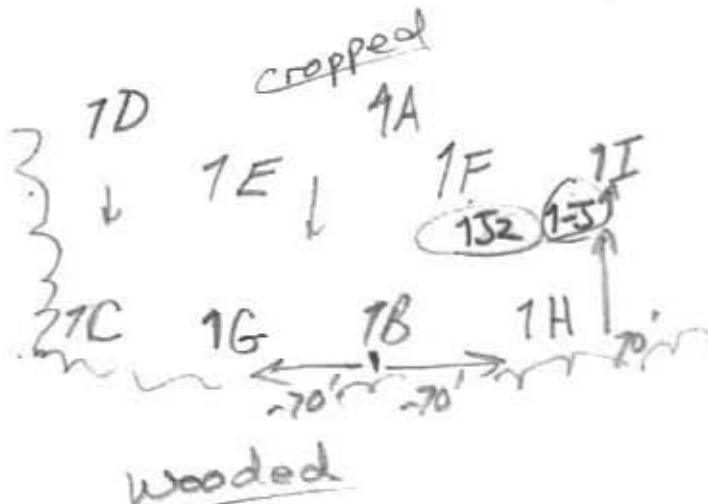
0.3' dk brn chsil
2fg

0.8' brn chsil
2fsbk

2.8' red-brn chsil, 2msbk

red-brn vchsil, 8m
40%

8.5' brn vchsil
55% - 60%



0.4' dk brn sil
2fg

brn chsil
2fsbk

red-brn chsil, 2msbk
ss

2' red-brn vchsil, 1fsbk
ss

6' brn vchsil
8m 45-50%
rock

1-J

1-F

0.4' dk brn sil
2fg

brn chsil
2fsbk

1' red-brn chsil
chsil, ss

2.5' red-brn vchsil, ss
35%

5' brn vchsil
8m 45%

0.3' dk brn sil
2fg

0.8' brn chsil
2fsbk

red-brn chsil
2msbk, ss

2.5' yel-red vchsil
35% ss

DATE	TEST #	DEPTH	START	BREAK 1" DROP	STOP 2" DROP	TIME OF 2ND INCH	P/F/H
12/17/14	1-B	4' / 8.5'	11:43	11:46	11:57	5	P
12/17/14	1-F	4' / 8'	12:34	12:36	12:39	3	P
12/17/14	1-G	3' / 8'	1:08	1:10	1:13	3	P
12/17/14	1-H	3.2' / 8.5'	1:38	1:45	1:59	14	P
12/17/14	1-I	4.5'	Refusal				F
12/17/14	1-J	3.5' / 8'	1:43	2:13	pulled	reshelf	west end
12/17/14	1-J2	4' / 8'	2:11	2:33	3:00	27	P east end
12/17	1-E	3.5' / 7.5'	11:13	11:16	11:21	5	P

brn vchsil
8m 35%
rock

1-G

0.3' dk grey-brn sil
2fg

brn chsil
2fsbk

1' red-brn chsil
2msbk, ss

2.5' red-brn vchsil
8m, ss 40%

7' brn vchsil
8m 45% / 8'

REMARKS SS = slightly sticky

SANITARIAN R. Bricker BACKHOE Leveland OTHERS Brooks Flowing - Justin

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

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

AP

1-A

1-C

1' dk brn chsil, 1fsbk
 1' brn chsil, 2msbk
 3' red-brn vchsil
 2msbk 35%
 4' red-brn vchsil
 2fsbk, ss 45%
 1' red-brn vchsil
 7' brn vchsil
 55%-60% rock



0.4' dk brn sil
 2fg
 3.8' brn chsil
 2fsbk 30%
 1' red-brn chsil
 2fsbk, ss
 2' red-brn chsil
 35%
 4.4' brn vchsil
 45% rock frag.
 9' brn vchsil
 55%-60% rock

1-D

0.5' dk brn chsil
 2vfsbk
 1' brn vchsil
 1fsbk 35%
 1' red-brn vchsil
 2msbk 35%
 2.5' brn vchsil
 1fsbk 50%
 7' brn vchsil
 55%-60%

1-E

0.4' dk brn sil
 2vfsbk
 0.8' brn chsil
 2fsbk
 1.8' red-brn
 chsil
 2msbk
 2.5' red-brn
 vchsil, 1msbk
 3.8' red-brn
 vchsil
 1fsbk 50%
 7.5' brn vchsil
 55%-60%
 rock

DATE	TEST #	DEPTH	START	BREAK 1" DROP	STOP 2" DROP	TIME OF 2ND INCH	P/F/H
12/17/14	1-D	4' 7"	Visual	does not hold	water		F
12/17/14	1-A	35' 9"	10:18	10:34	11:11	37	F
12/17/14	1-C	28' 7"	0	0:45	1:33	0:48	F
12/17/14	1-E	35' 7.5"	11:13	11:16	11:21	5	P

REMARKS _____
 SANITARIAN R Bricker BACKHOE Level Land Justin OTHERS Brenda Fleming-Warren
 TEST HOLES USED IN SDA _____ AVG. PERC TIME _____ SQ. FT/BR _____
 TRENCH WIDTH _____ INLET DEPTH _____ MAX. BOT DEPTH _____ EFFECTIVE SW _____

SITE INSPECTION SHEET

OWNER: Fleming PHONE #: _____

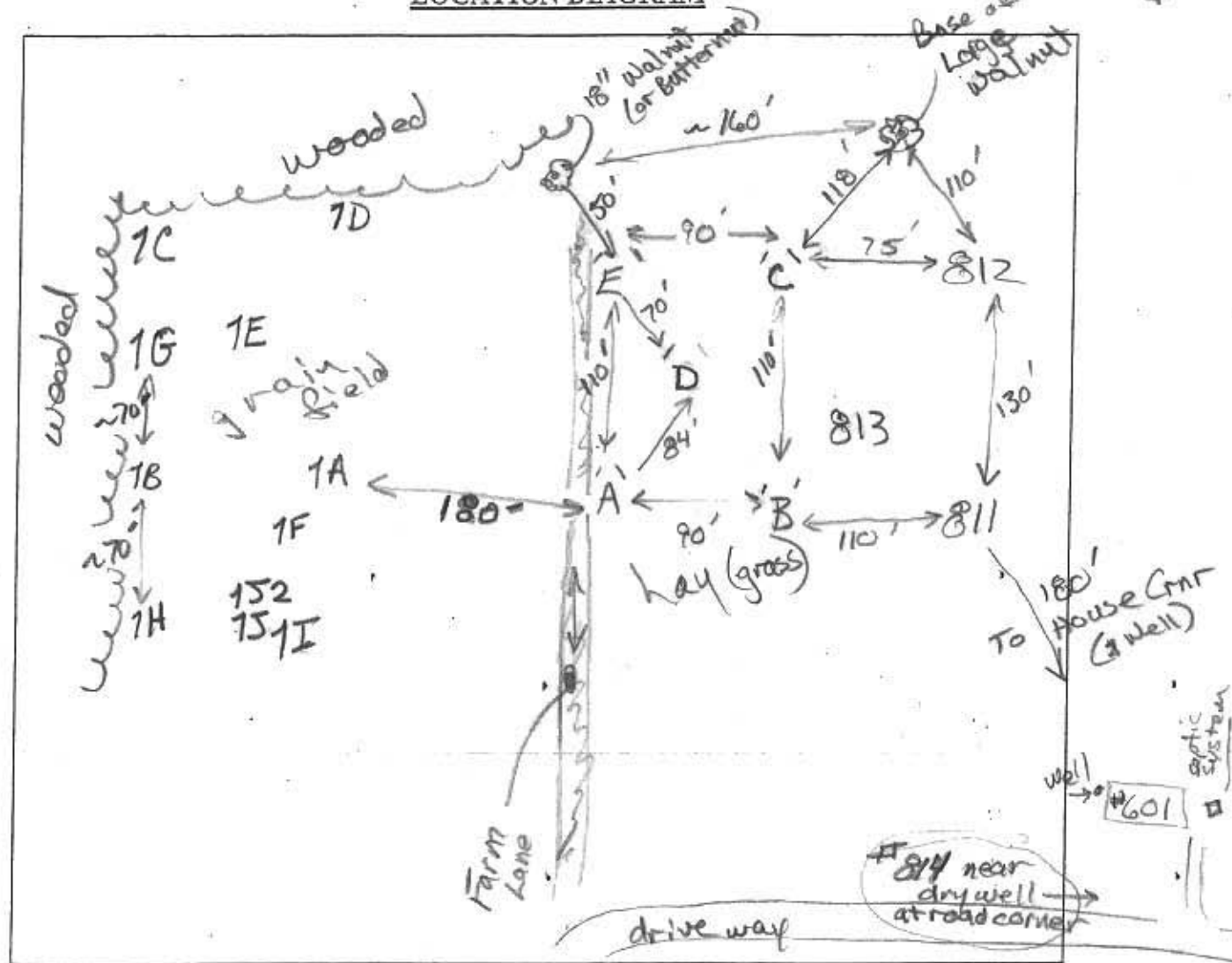
ADDRESS: Cell W. Watersville Rd. CONTRACTOR: _____

WELL TAG #: _____

SUBDIVISION: Tax Map 2 LOT: Parcel 10 COUNTY #: Howard

PROPOSAL: Sketch of relative positions of percolation tests documented by the Health Dept. in 2005, 2010 & 2014

LOCATION DIAGRAM

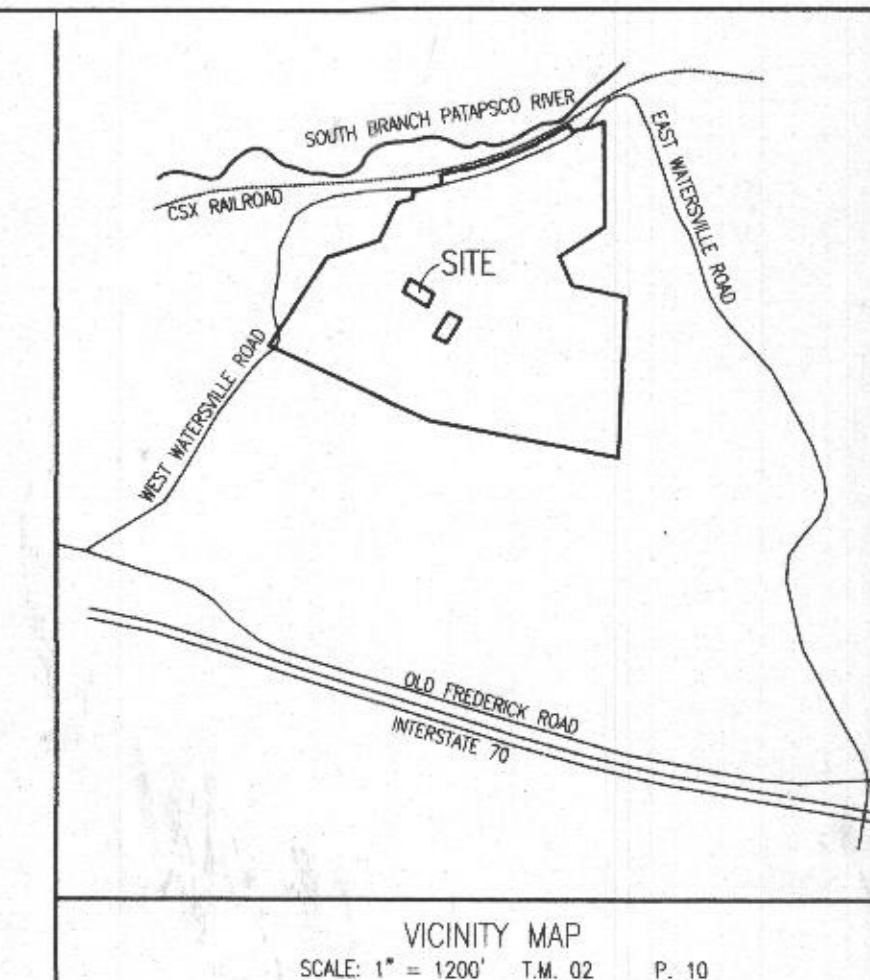


COMMENTS: Locations preceded by 'i' surveyed by Van Mar Associates (2014/2015).

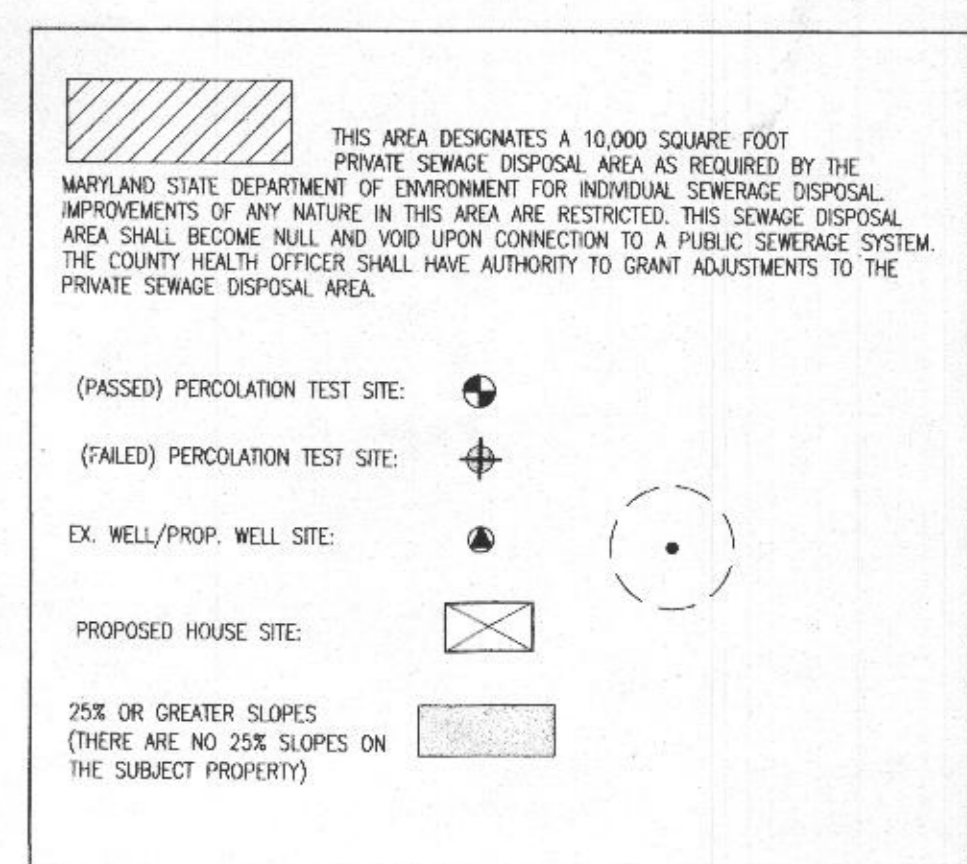
Locations 'A' - 'E' and '811' - '813' per Health Dept. field measurements (Health Dept. records). All PASS

DATE: 1-20-2015

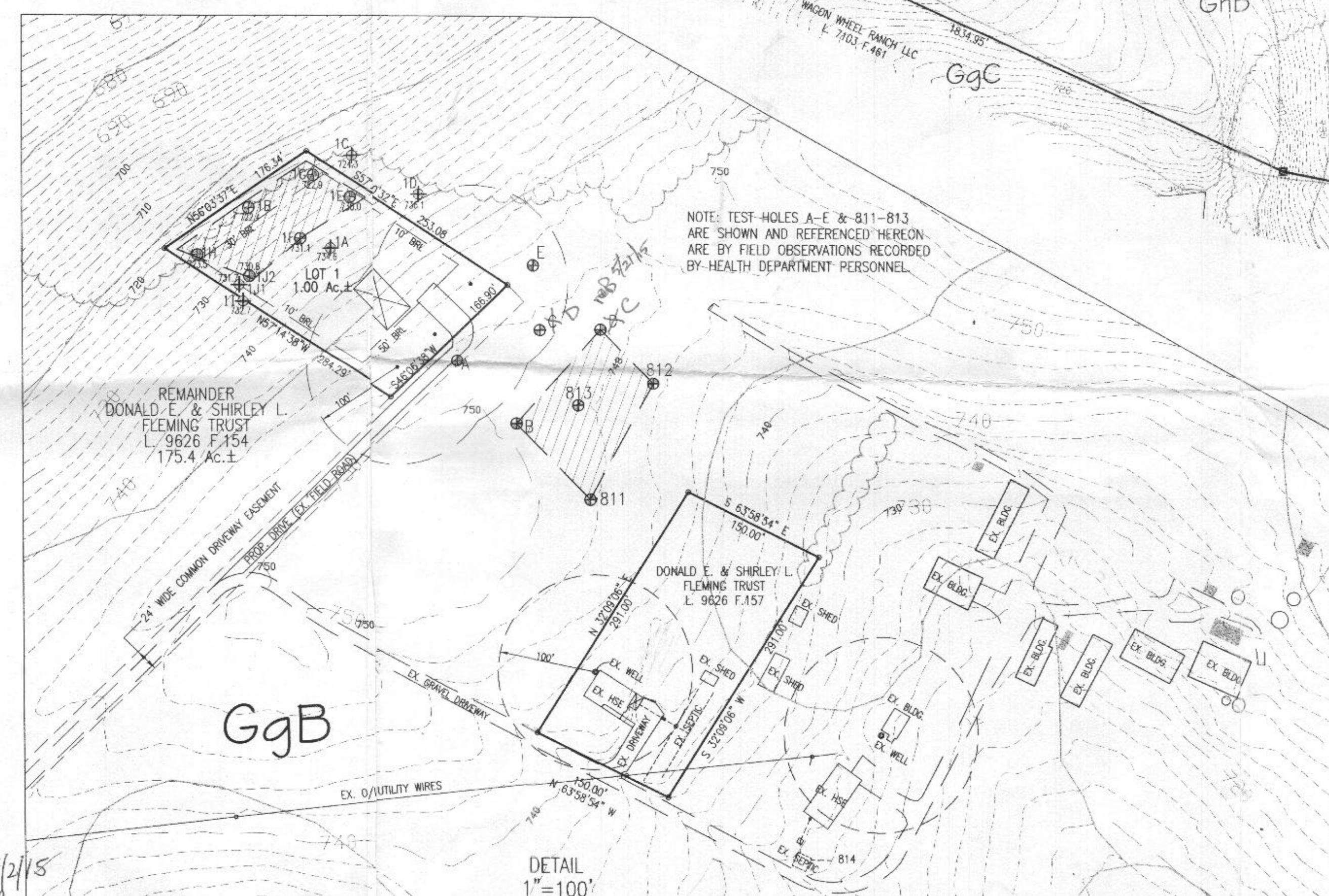
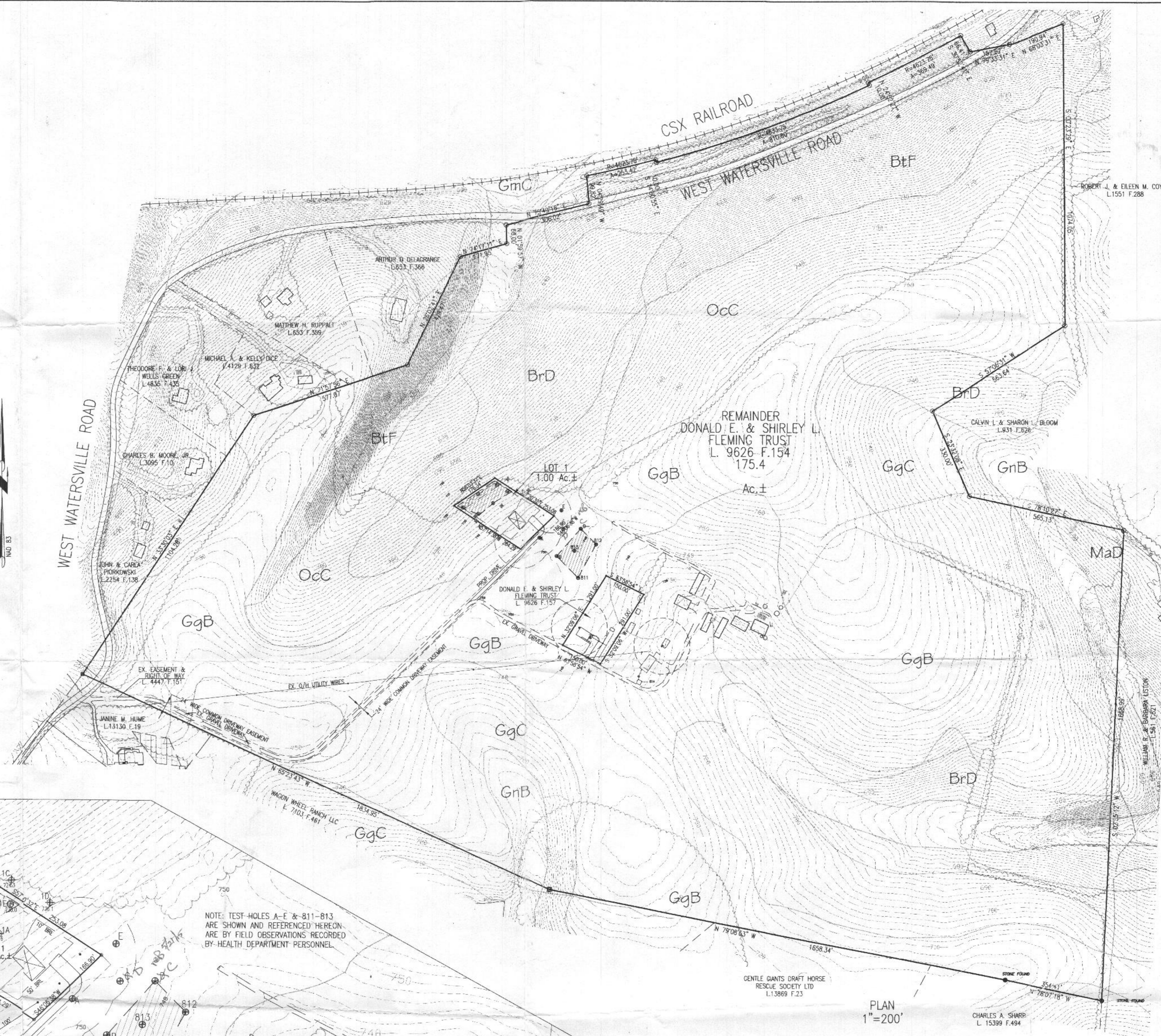
INSPECTOR: R Busker



- GENERAL NOTES:
1. OWNER: DONALD E. FLEMING TRUST
DEED REFERENCE: LIBER 9626 AT FOLIO 154
DATE: JULY 11, 2005
GRANTOR: DONALD E. & SHIRLEY L. FLEMING
 2. TAX MAP: 02 GRID: 14 PARCEL: 10
 3. NEAREST POTABLE WATER SUPPLY: MT. AIRY DISTANCE: 2 MILES ±
 4. THE SUBJECT PROPERTY IS NOT LOCATED IN SPECIAL FLOOD HAZARD AREA PER NATIONAL FLOOD INSURANCE PROGRAM FLOOD INSURANCE RATE MAP, COMMUNITY PANEL NO. 240044 00078*
 5. TOPOGRAPHY & PLANIMETRIC FEATURES SHOWN HEREON TAKEN FROM COPYRIGHTED GIS DATA FROM HOWARD COUNTY, SUPPLEMENTED WITH FIELD RUN TOPOGRAPHY BY VANMAR ASSOCIATES, INC. CONTOUR INTERVAL IS 2 FEET. VERTICAL DATUM IS NAVD83.
 6. THE BASIS OF BEARINGS FOR THIS PLAN IS THE MARYLAND COORDINATE SYSTEM (NAD83/91) PER HOWARD COUNTY SURVEY CONTROL STATIONS SHOWN BELOW. DISTANCES SHOWN HEREON ARE GROUND DISTANCES.
CGCS: NAD1983 UTM 18T 280751.56
GZMS: NS99876.01 E129048.54
 7. THERE ARE NO WELLS OR SEPTIC SYSTEMS WITHIN 100' OF THE PROPERTY BOUNDARY UNLESS OTHERWISE SHOWN HEREON.
 8. THE EXISTING WELLS SHOWN ON THIS PLAN HAVE BEEN FIELD LOCATED BY VANMAR ASSOCIATES OR TAKEN FROM AVAILABLE RECORDS AND ACCURATELY SHOWN.
 9. SOIL TYPE: GLENELG (GgB), CALA(GgC), MANOR (MaD, MaB), Ho (HATBORO). HOWARD COUNTY SOILS MAP GRID NO. X.
 10. ZONING DISTRICT: RC-DEO
 11. ALL WELLS TO BE DRILLED PRIOR TO FINAL PLAT SIGNATURE. IT IS THE DEVELOPER'S RESPONSIBILITY TO SCHEDULE THE WELL DRILLING PRIOR TO THE FINAL PLAT SUBMISSION. IT WILL NOT BE CONSIDERED "GOVERNMENT DELAY" IF THE WELL DRILLING HOLDS-UP THE HEALTH DEPARTMENT SIGNATURE OF THE RECORD PLAT.
 12. THE LOTS SHOWN HEREON COMPLY WITH THE MINIMUM OWNERSHIP WIDTH AND LOT AREAS REQUIRED BY THE MARYLAND DEPARTMENT OF THE ENVIRONMENT.
 13. ANY CHANGES TO A PRIVATE SEPTIC AREA WILL REQUIRE A REVISED PERCOLATION CERTIFICATION PLAN.



OWNER:
SHIRLEY L. FLEMING
601 WEST WATERSVILLE ROAD
MOUNT AIRY, MD. 21771



APPROVED:
FOR PRIVATE WATER AND PRIVATE SEWERAGE SYSTEMS.
HOWARD COUNTY HEALTH DEPARTMENT

Michael Vanmar
HOWARD COUNTY HEALTH OFFICER
DATE: 6/2/15

PROFESSIONAL CERTIFICATION
I hereby certify that this document was prepared by me or under my responsible charge, and that I am a duly licensed Professional Land Surveyor under the laws of the State of Maryland, License No. 21266, Expiration Date 09/09/15, in accordance with COMAR 09.13.09.12.

Michael Vanmar
For Vanmar Associates, Inc.
T. Michael Vanmar, Prof. Land Surveyor

5/13/2015
Date

Signed Parc Cert

Tax Map 2 Parcel 10
PERCOLATION CERTIFICATION PLAN
LOT 1
ELM-LEE FARM
AS RECORDED IN LIBER 9626 AT FOLIO 154
611 WEST WATERSVILLE ROAD
FOURTH ELECTION DISTRICT
HOWARD COUNTY, MARYLAND
SCALE: 1" = AS SHOWN MARCH, 2014

VANMAR ASSOCIATES, INC.
Engineers Surveyors Planners
310 South Main Street Mount Airy, Maryland 21771
(301) 829-2890 (301) 831-5015 (410) 549-2751
Fax (301) 831-5603 ©Copyright, Latest Date Shown

vanmar.com