

Bureau of Environmental Health
7178 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

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

Date: June 17, 2013

To: Fisher, Collins, and Carter, Inc.
C/o Toni Fertitta
10272 Baltimore National Pike
Ellicott City, Maryland 21042

RE: Percolation Testing Report
Duvall Road, Tax Map 13, Parcel 124

Mr. Fertitta,


Percolation testing was conducted on the referenced property on June 4, 2013. The purpose for conducting these percolation tests was for an anticipated establishment of a sewage disposal area for 2 lots.

A total of 10 (10) test holes evaluated and ten (10) were found to be satisfactory with moderate percolation. Acceptable ranges for recommended inlet and trench bottom depth, and usable sidewall are indicated, and may be confirmed at the time of installation for the ten (10) percolation test holes which were satisfactory. Field data collected is shown on the Percolation Test Worksheet enclosed with this letter.

All percolation tests conducted were standard tests, measuring rate of fall for a pre-wet period followed by measurement and recordation of the time required for the water level to drop 1 inch. Areas that may be included in a septic reserve are represented by test locations having satisfactory soil conditions. The area of the septic reserve must be at least 10,000 square feet, though Howard County Code [3.805.A.2.X] requires that the area be large enough to accommodate an initial drain field and two repair drain fields for the planned residence.

The next step in this process is to submit a Percolation Certification Plan to confirm the design of the septic reserve area. If you have any questions regarding this evaluation or requirements for the Percolation Certification Plan, please contact me at the above address or by telephone at (410) 313-2775.

Respectfully,


Dana Bernard, REHS/RS
Environmental Specialist II
Well and Septic Program

Enclosures (2)

File

Cc: Mr. and Mrs. Larimore

825 Iron Rail Court

Woodbine, Maryland 21797

Via E-Mail: blarimore@archoward.org

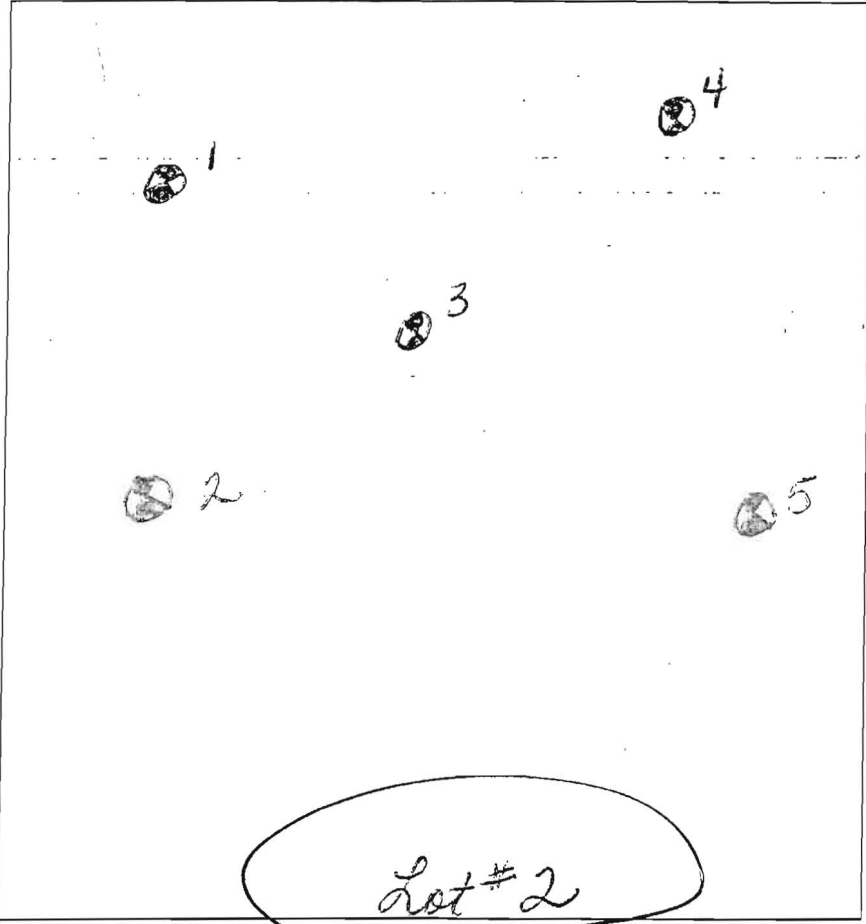
Larimore

AP _____

#1
 Red Brown
 SCL 2'
 Red Brown
 Sh
 20-30%
 Ry 6'
 Red Brown
 yellow
 Sh
 20-30%
 Ry @ 10' 10'

#2
 Red Brown
 SCL 3'
 Red Brown
 yellow
 Sh
 20-30%
 Ry

#3
 Red Brown
 SCL 2'
 Red Brown
 yellow
 Sh
 few
 mica
 20-30%
 Ry
 shale @ 10'



#4
 Red Brown
 SCL 2'
 Red Brown
 yellow
 Sh
 dense
 shale @ 6'
 10-20%
 Ry
 ↓ 13'

#5
 Red Brown
 Sh 2'
 Red Brown
 yellow
 Sh
 dense
 5-10%
 Ry
 shale
 many
 mica 13'

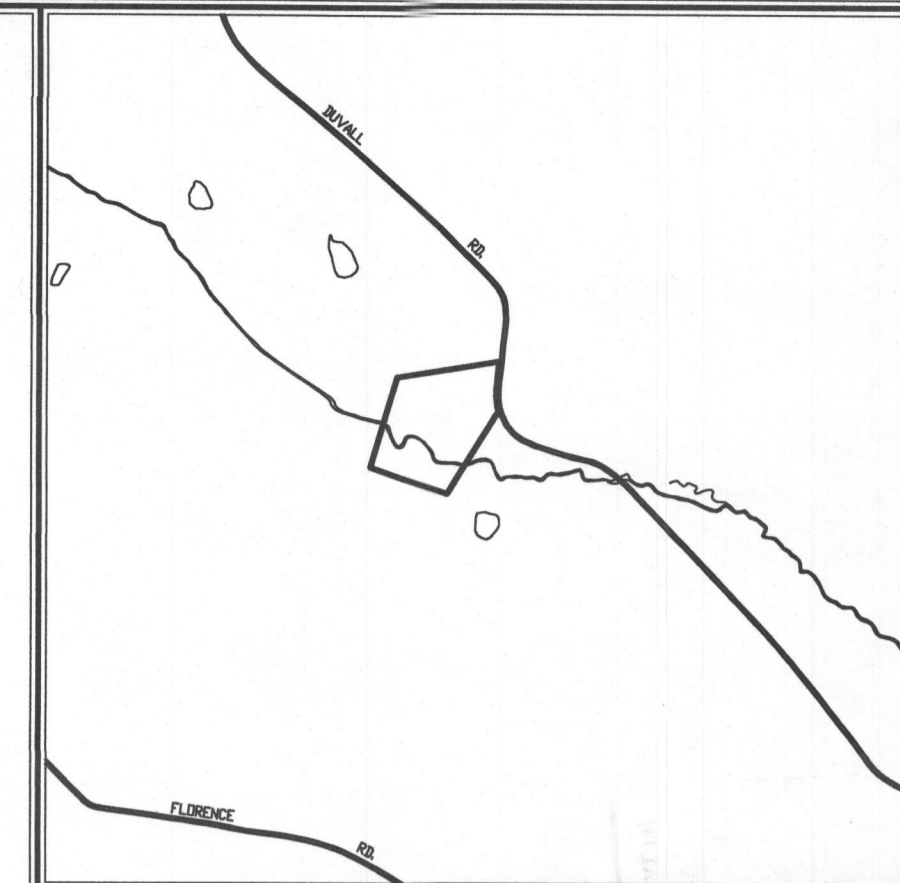
DATE	TEST #	DEPTH	START	BREAK 1" DROP	STOP 2" DROP	TIME OF 2ND INCH	P/F/H
6-4-13	#1	3 5/10	12:04	12:10	12:17	9 min	P
6-4-13	#2	4/13	12:07	12:12	12:18	6 min	P
6-4-13	#3	3/13	12:43	12:57	1:15	18 min	P
6-4-13	#5	3/13	12:46	12:58	1:22	24 min	P

REMARKS _____
 SANITARIAN DB BACKHOE Level-Land OTHERS _____
 TEST HOLES USED IN SDA 5 AVG. PERC TIME _____ SQ. FT/BR _____
 TRENCH WIDTH _____ INLET DEPTH _____ MAX. BOT DEPTH _____ EFFECTIVE SW _____

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LEGEND

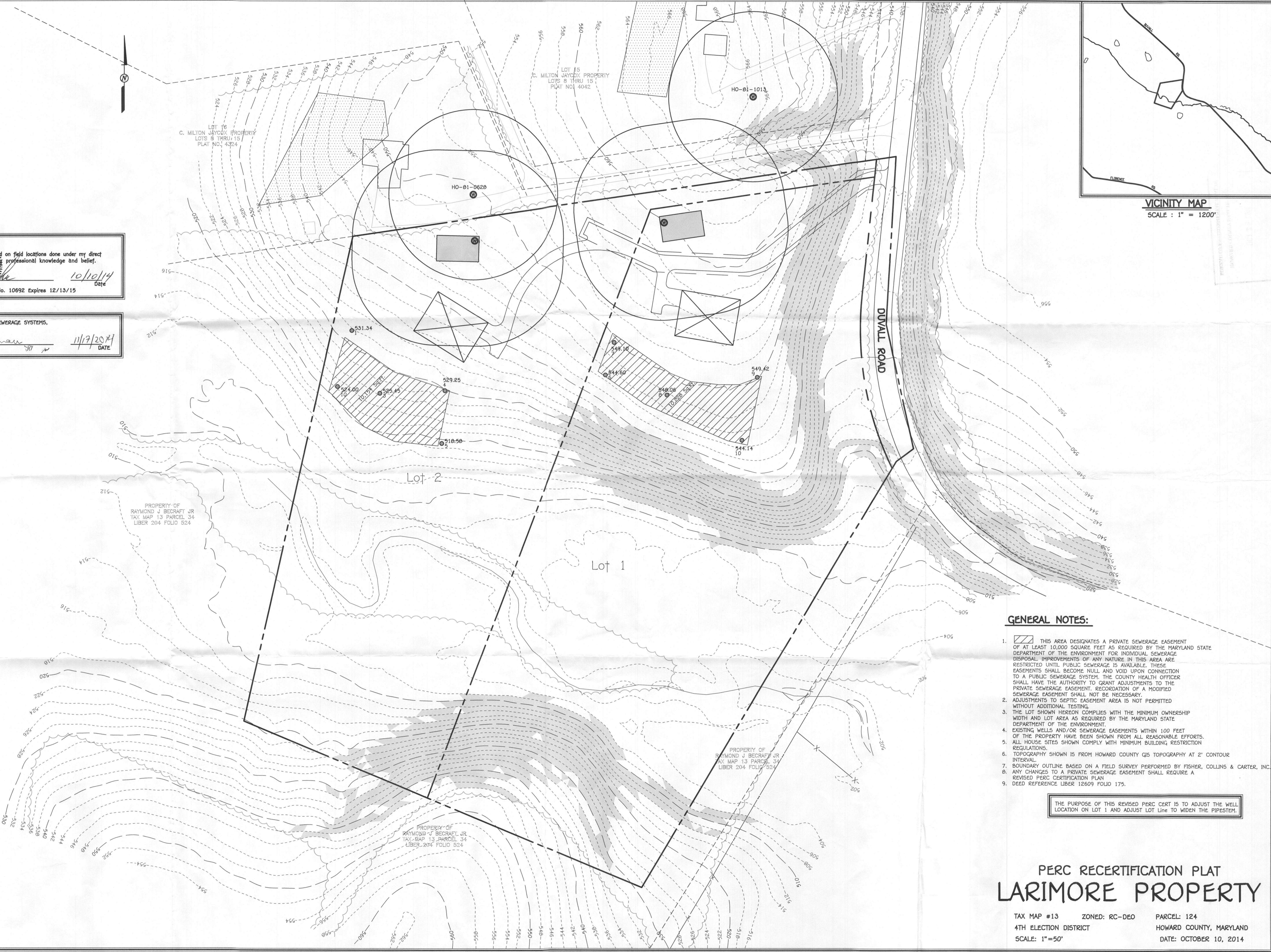
- - - - - EXISTING 2' CONTOURS
- - - - - EXISTING 10' CONTOURS
- ~ ~ ~ ~ ~ EXISTING TREE LINE
- CLBZ
HLCZ SOIL LINES AND TYPES
- DENOTES PASSED PERC
- ⊠ DENOTES PROPOSED HOUSE
- DENOTES 25% AND GREATER SLOPE
- DENOTES 1500 Sq.Ft. ALTERNATE WELL SITE



VICINITY MAP
SCALE: 1" = 1200'

PERC CERTIFICATION
I certify that the locations shown hereon are based on field locations done under my direct supervision and are correct to the best of my professional knowledge and belief.
Signature of Professional Land Surveyor: *Terrell A. Fisher* Date: *10/10/14*
Terrell A. Fisher, Professional Land Surveyor No. 10692 Expires 12/13/15

APPROVED FOR PRIVATE WATER AND PRIVATE SEWERAGE SYSTEMS,
HOWARD COUNTY HEALTH DEPARTMENT.
Signature for *Maura Rozman* Date: *11/17/2014*
COUNTY HEALTH OFFICER



GENERAL NOTES:

1. THIS AREA DESIGNATES A PRIVATE SEWERAGE EASEMENT OF AT LEAST 10,000 SQUARE FEET 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 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 SEWERAGE EASEMENT. RECORDATION OF A MODIFIED SEWERAGE EASEMENT SHALL NOT BE NECESSARY.
2. ADJUSTMENTS TO SEPTIC EASEMENT AREA IS NOT PERMITTED WITHOUT ADDITIONAL TESTING.
3. THE LOT SHOWN HEREON COMPLIES WITH THE MINIMUM OWNERSHIP WIDTH AND LOT AREA AS REQUIRED BY THE MARYLAND STATE DEPARTMENT OF THE ENVIRONMENT.
4. EXISTING WELLS AND/OR SEWERAGE EASEMENTS WITHIN 100 FEET OF THE PROPERTY HAVE BEEN SHOWN FROM ALL REASONABLE EFFORTS.
5. ALL HOUSE SITES SHOWN COMPLY WITH MINIMUM BUILDING RESTRICTION REGULATIONS.
6. TOPOGRAPHY SHOWN IS FROM HOWARD COUNTY GIS TOPOGRAPHY AT 2' CONTOUR INTERVAL.
7. BOUNDARY OUTLINE BASED ON A FIELD SURVEY PERFORMED BY FISHER, COLLINS & CARTER, INC.
8. ANY CHANGES TO A PRIVATE SEWERAGE EASEMENT SHALL REQUIRE A REVISED PERC CERTIFICATION PLAN.
9. DEED REFERENCE LIBER 12609 FOLIO 175.

THE PURPOSE OF THIS REVISED PERC CERT IS TO ADJUST THE WELL LOCATION ON LOT 1 AND ADJUST LOT LINE TO WIDEN THE PIPESTEM.

**PERC RECERTIFICATION PLAT
LARIMORE PROPERTY**

TAX MAP #13 ZONED: RC-DEO PARCEL: 124
4TH ELECTION DISTRICT HOWARD COUNTY, MARYLAND
SCALE: 1"=50' DATE: OCTOBER 10, 2014

I:\2013\13007\dwg\13007 Revised Perc Plan.dwg, 10/27/2014 11:27:28 AM, 1:50