

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

APPLICATION

FOR PERCOLATION TESTING AND SITE EVALUATION

PROPERTY LOCATION

SUBDIVISION/PROPERTY NAME Albert Kappes LOT # _____
PROPERTY ADDRESS 13249 Triadelphia Rd Ellicott City MD 21042
STREET TOWN ZIP
TAX ACCOUNT # _____ TAX MAP _____ GRID _____ PARCEL _____ ZONING DESIGNATION _____

PROPERTY OWNER(S)

Lauren Meyers
DAYTIME PHONE _____ CELL _____ EMAIL _____
MAILING ADDRESS 13249 Triadelphia Rd Ellicott City MD 21042
STREET CITY, STATE ZIP

APPLICANT

Farm & Home Excavating RELATIONSHIP TO OWNER: _____
DAYTIME PHONE 410-442-2139 CELL _____ EMAIL _____
MAILING ADDRESS 901 Driver Road Manassasville, MD 21104
STREET CITY, STATE ZIP

I HEREBY APPLY FOR THE NECESSARY TESTING/EVALUATION PRIOR TO ISSUANCE OF SEWAGE DISPOSAL SYSTEM PERMIT(S):

BUILDING:

- ☒ RESIDENTIAL WITH _____ EXISTING OR PROPOSED BEDROOMS IN THE COMPLETED STRUCTURE
☐ COMMERCIAL (PROVIDE DETAIL OF TYPE OF USE AND NUMBERS OF EMPLOYEES/CUSTOMERS ON ACCOMPANYING PLAN)

PROPERTY:

- ☐ SUBDIVISION: NUMBER OF LOTS INCLUDING RESIDUE: _____
☐ CONSTRUCT NEW OSDS ON UNDEVELOPED LOT
☐ REPAIR OR REPLACE FAILING OSDS
☒ UPGRADE EXISTING OSDS

IS THE PROPERTY WITHIN 2500 FEET OF ANY RESERVOIR?

- ☐ YES
☒ NO

AS APPLICANT, I UNDERSTAND THE FOLLOWING:

- THIS APPLICATION IS VALID FOR TWO(2) YEARS FROM DATE OF FEE PAYMENT AND APPROVAL IS BASED UPON HEALTH OFFICER SIGNATURE OF A PERC CERTIFICATION PLAN PRIOR TO EXPIRATION OF THIS PERMIT.
- THE APPLICATION FEE IS NON-REFUNDABLE
- THIS APPLICATION MUST BE ACCOMPANIED BY ALL APPLICABLE FEES AND A SUITABLE SITE PLAN IN ORDER TO BE PROCESSED
- THIS IS A PUBLIC DOCUMENT

I declare and affirm that to the best of my knowledge, the information contained herein is correct. I declare that I am the owner of the property or duly authorized to make this application on behalf of the owner. I agree to comply with all applicable state and county regulations.

By signature of this application, I hereby grant Howard County Health Department officials the right to enter onto the property for the purpose of inspecting the property as directly related to the requested permit/service.

Farm & Home Bill Ingram

4-22-14

SIGNATURE OF APPLICANT

DATE

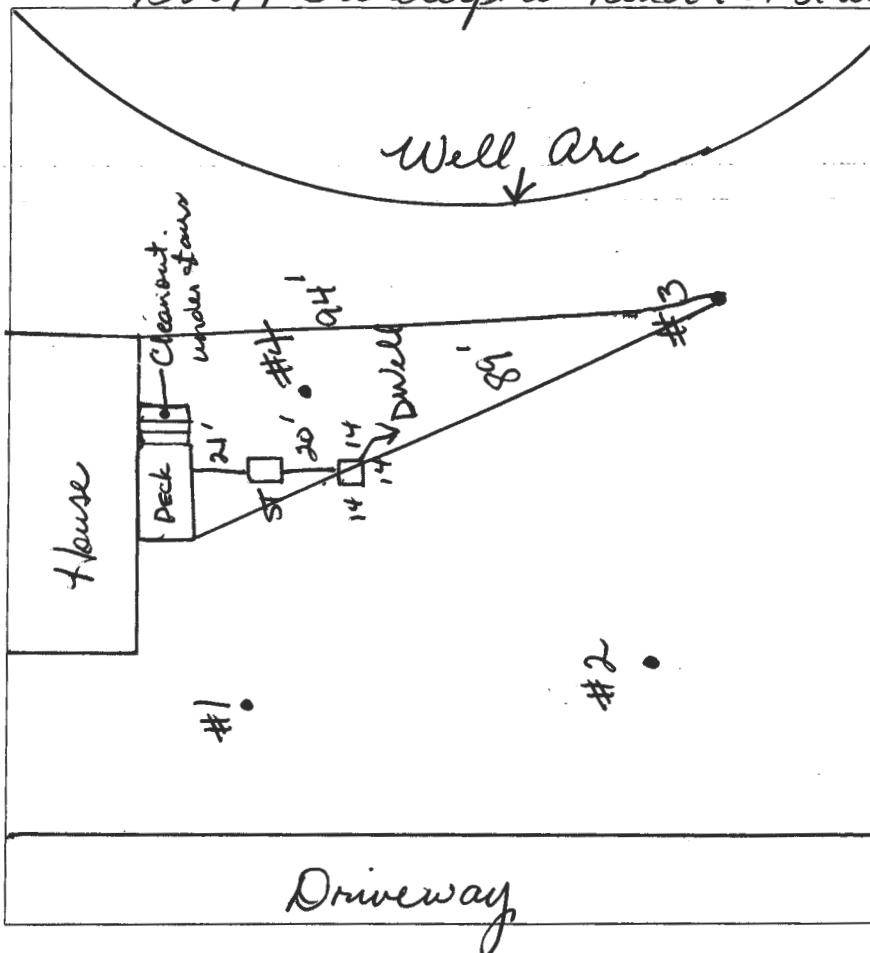
AJP

13249 Philadelphia Road (NOT LOCATION) #4

#1
Red Brown
SL
Many
mud
5-10%
Rx
6'
Red Brown
Yellow
Sh.
many
mud
20-30%
Rx
12'

#2
Red Brown
SL
many
mud
5-10%
Rx
4'
Red Brown
Yellow
Sh.
many
mud
10-20%
Rx
13'

#3
Red Brown
SL
many
mud
6'
Red Brown
Yellow
Sh.
many
mud
5-10%
Rx
13'



Red Brown
SL
10-20%
5'
Red Brown
SL
Many
mud
10-20%
Rx
12'

DATE	TEST #	DEPTH	START	BREAK 1" DROP	STOP 2" DROP	TIME OF 2ND INCH	P/F/H
6-4-14	1	7/13	10:43	10:48	10:57	9min	P
6-4-14	2	5/12	10:51	11:03	11:17	14min	P
6-4-14	3	13	Visual Bss			→	P
6-4-14	4	6.5/12	11:53	11:59	12:06	7min	P

REMARKS

Small area, however, easement can be established.

SANITARIAN Burnard BACKHOE _____ OTHERS _____

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

TRENCH WIDTH _____ INLET DEPTH _____ MAX. BOT DEPTH _____ EFFECTIVE S/W _____



Howard County
Health Department

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8930 Stanford Blvd. Columbia, MD 21045
(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., Health Officer

Date: June 23, 2014

To: Lauren Meyers
13249 Triadelphia Road
Ellicott City, Maryland 21042
Via E-Mail: rmfinance@aol.com

RE: **Percolation Testing Report**
13249 Triadelphia Road


Mrs. Meyers,

Percolation testing was conducted on the referenced property on June 4, 2014. The purpose for conducting these percolation tests was for an anticipated establishment of a sewage disposal area for the existing lot to support a building permit for an addition.

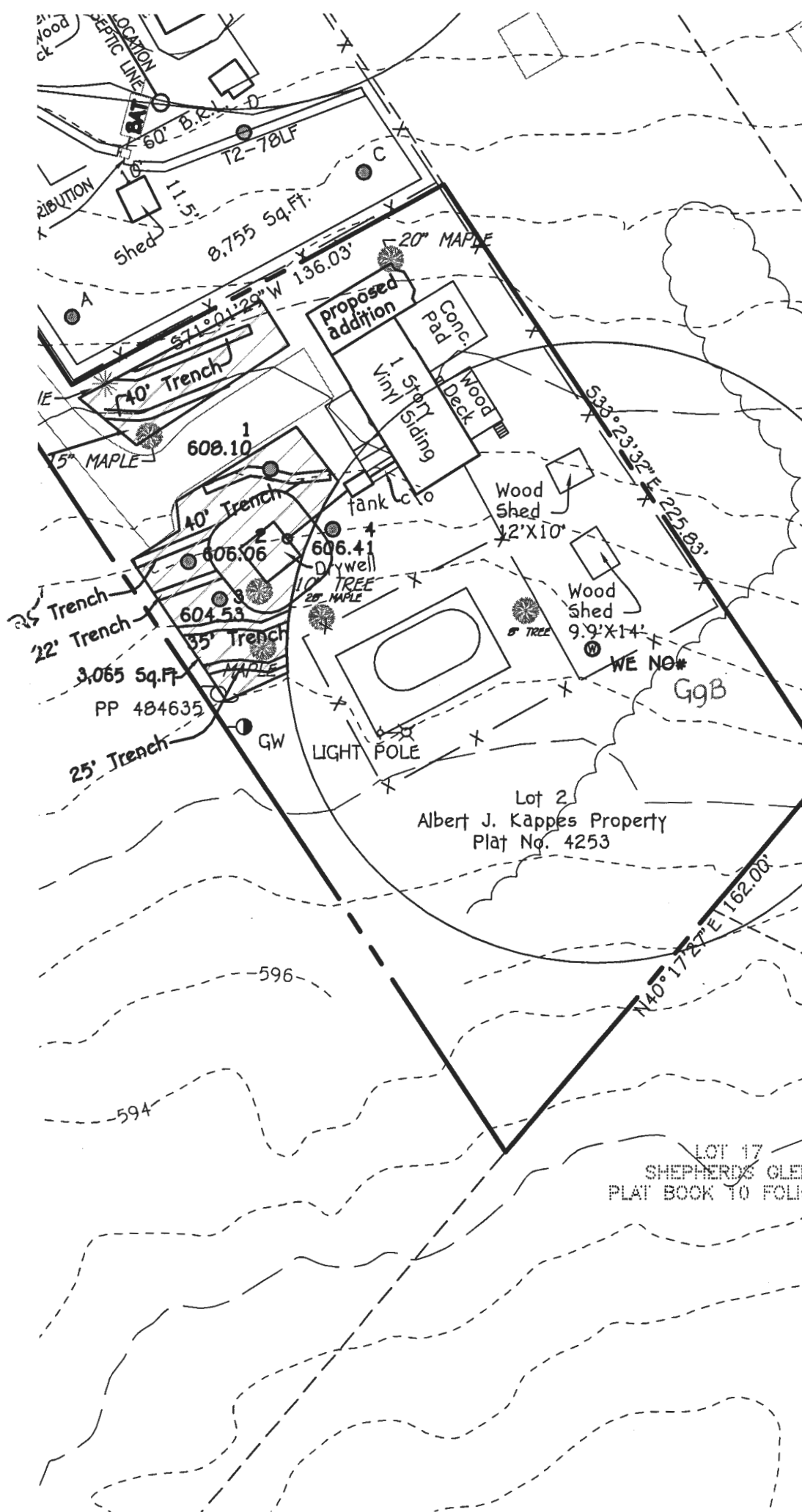
A total of four (4) test holes evaluated and four (4) were found to be satisfactory with moderate percolation rates. Acceptable ranges for recommended inlet and trench bottom depth, and usable sidewall are indicated, and may be confirmed at the time of installation for the four (4) percolation test holes which were satisfactory. The existing septic system will have to be upgraded to accommodate the new addition. 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. Please keep in mind you will be required to abandon the existing system, upgrade your system and use "The Best Available Technology". Before building permit approval, a BAT site plan will be required. If you have any questions or correspondence 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/L.E.H.S.
Environmental Specialist II
Well and Septic Program

Enclosures (2)
File



AP 545142

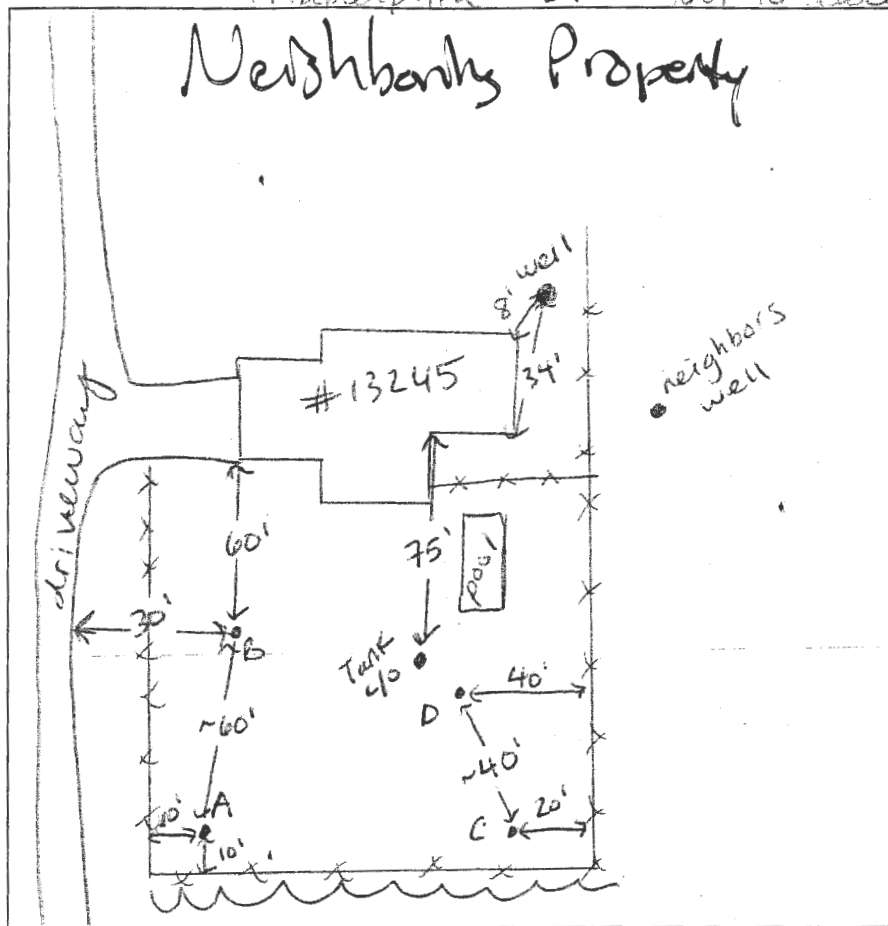
Triadelphia Rd Not to scale

Neighborhood Property

8" bml
red org
scl lsbk
10% rx
5' red sl
7' red fsl
micaceous
saprolite
9' brn fsl
ch
13' 15% boulders

6" bml
red brn
cl
3' red brn
scl 2msbk
5' yellow
ch sl
8' yellow
fsl saprolite
10' red brn
fsl
13' 15% rx

6" brn l
yellow brn
scl lsbk
5' yellow
sl saprolite
7' tan
ch fsl
11' tan
flis
13.4' ↓



6" bml
org cl
org scl
org brn
sl
8' red brn
fsl
20% rx
pink fsl
saprolite 13'4"

DATE	TEST #	DEPTH	START	BREAK 1" DROP	STOP 2" DROP	TIME OF 2ND INCH	P/F/H
10/8/13	A	6'13"	10:03	10:05	10:09	4	P
	B	5'8"/13'	10:22	10:37	11:00	23	P
	C	6'3"/13.5'	10:42	10:46	10:52	6	P
	D	6'13'4"	11:00	11:06	11:10	10	P

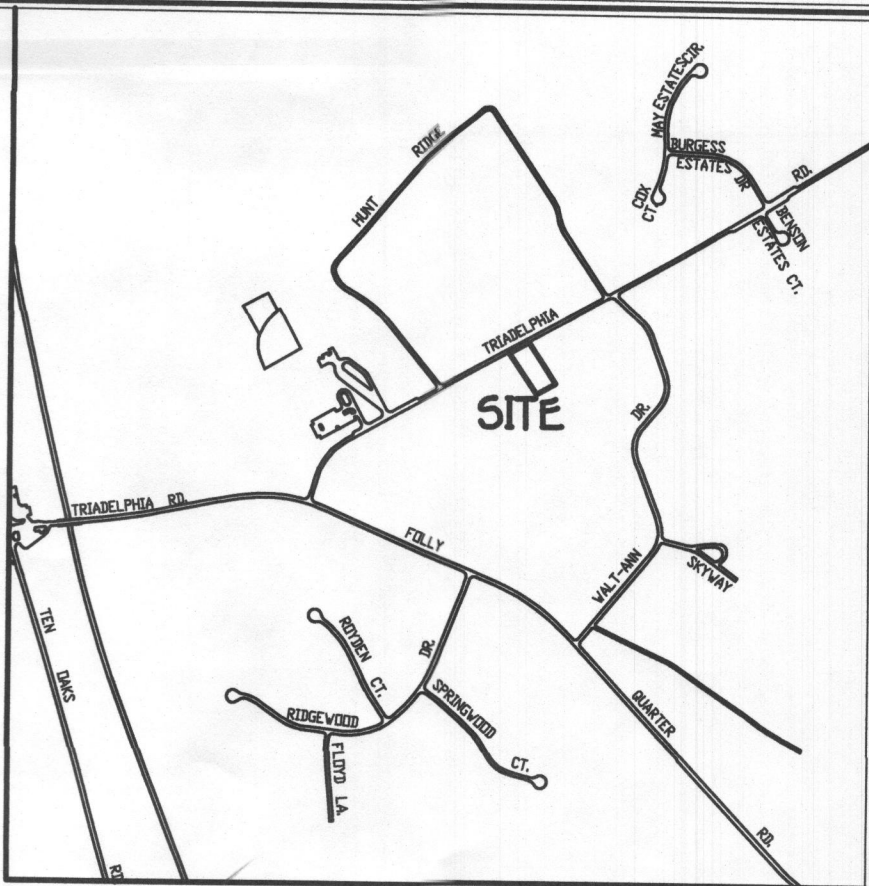
ex. REMARKS System very near failure - 4 BR total w/ addition
 SANITARIAN ITS BACKHOE South Carolina OTHERS owner
 TEST HOLES USED IN SDA 4 AVG. PERC TIME 11 SQ. FT/BR
 TRENCH WIDTH 3' INLET DEPTH 5' MAX. BOT DEPTH 8' EFFECTIVE SW 2'

HOOT BNR

SOILS LEGEND		
SOIL	NAME	CLASS
GgB	Glenelg loam, 3 to 8 percent slopes	B

NOTES:
 * Hydric soils and/or contains hydric inclusions
 ** May contain hydric inclusions
 † Generally only within 100-year floodplain areas

- LEGEND**
- EXISTING 2' CONTOURS
 - - - EXISTING 10' CONTOURS
 - - - EXISTING TREE LINE
 - CLAS HILDS SOIL LINES AND TYPES
 - ⊙ DENOTES PROPOSED WELL
 - DENOTES PASSED PERC



VICINITY MAP
 SCALE : 1" = 1200'

GENERAL NOTES:

- THIS AREA DESIGNATES A PRIVATE SEWAGE AREA OF AT LEAST 10,000 SQUARE FEET (OR IF PRIOR TO MARCH 1972, AT LEAST ENOUGH AREA TO ACCOMMODATE AN INITIAL AND TWO REPLACEMENT SYSTEMS) AS REQUIRED BY THE MARYLAND STATE DEPARTMENT OF THE ENVIRONMENT FOR INDIVIDUAL SEWAGE DISPOSAL IMPROVEMENTS OF ANY NATURE IN THIS AREA ARE RESTRICTED UNTIL PUBLIC SEWERAGE IS AVAILABLE. THESE AREAS 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 AREA. RECORDATION OF A MODIFIED SEWAGE AREA SHALL NOT BE NECESSARY.
- ADJUSTMENTS TO SEPTIC EASEMENT AREA IS NOT PERMITTED WITHOUT ADDITIONAL TESTING.
- THE LOT SHOWN HEREON COMPLIES WITH THE MINIMUM OWNERSHIP WIDTH AND LOT AREA AS REQUIRED BY THE MARYLAND STATE DEPARTMENT OF THE ENVIRONMENT.
- EXISTING WELLS AND/OR SEWERAGE EASEMENTS WITHIN 100 FEET OF THE PROPERTY HAVE BEEN SHOWN FROM ALL REASONABLE EFFORTS.
- ALL HOUSE SITES SHOWN COMPLY WITH MINIMUM BUILDING RESTRICTION REGULATIONS.
- TOPOGRAPHY SHOWN IS FROM FISHER, COLLINS AND CARTER, IN ON OR ABOUT AUGUST, 2014.
- BOUNDARY OUTLINE BASED ON AVAILABLE DEED OF RECORD WITHOUT THE BENEFIT OF A FIELD SURVEY AT THIS TIME.
- ANY CHANGES TO A PRIVATE SEWERAGE EASEMENT SHALL REQUIRE A REVISED PERC CERTIFICATION PLAN
- PLAT REFERENCE 4253.
- THIS PLAN ESTABLISHES A SEWAGE DISPOSAL AREA LARGE ENOUGH TO ACCOMMODATE TWO REPLACEMENT SYSTEMS FOR A THREE BEDROOM HOUSE.
- A LOW PRESSURE DISC SYSTEM WILL BE REQUIRED FOR A REPAIR UTILIZING UNEQUAL LENGTH TRENCHES
- Location of neighboring septic system at 13237 Triadelphia uncertain, but possibly upgradient of well Replacement well location may need to be in pipestem to avoid septic.



PERC CERTIFICATION

I certify that the locations shown herein 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: *9/23/14*

Terrell A. Fisher, Professional Land Surveyor, No. 10082 Expires 12/13/15

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

Signature of County Health Officer: *Lauren Meyers* Date: *9/25/14*

COUNTY HEALTH OFFICER

OWNER
 LAUREN MEYERS
 13249 TRIADELPHIA ROAD
 ELLICOTT CITY, MD 21042

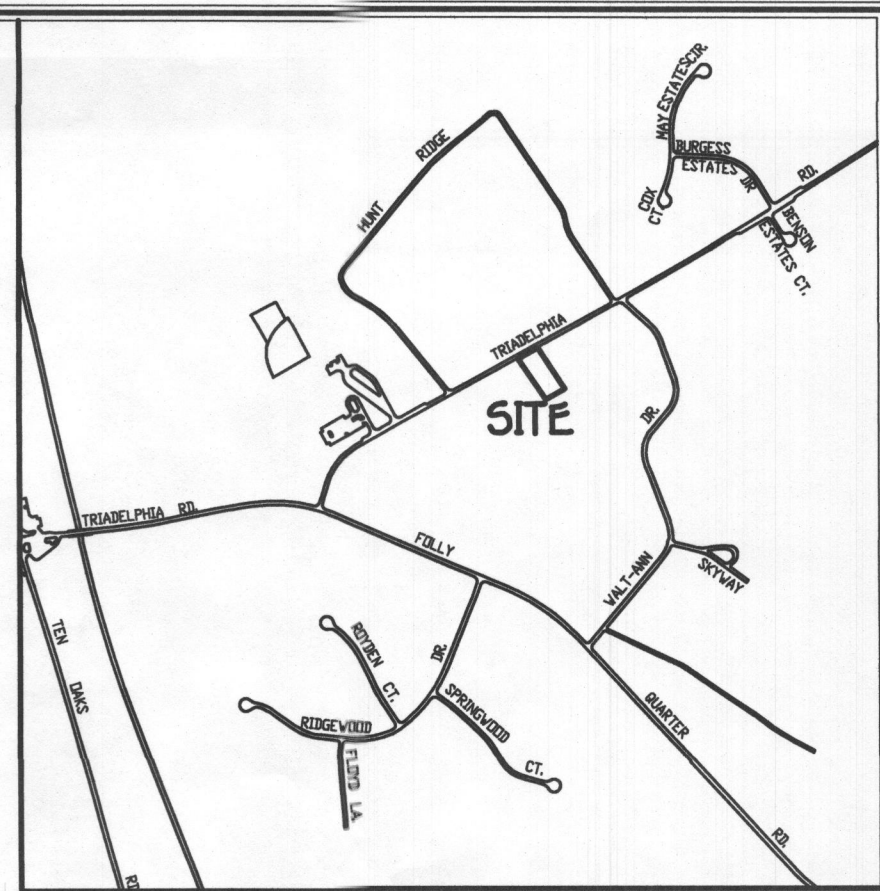
PERC CERTIFICATION PLAN
13249 TRIADELPHIA ROAD

Zoned: RR-DEO
 Tax Map No. 22; Grid No. 9; Parcel No. 523
 Third Election District - Howard County, Maryland
 Date: September 23, 2014 Scale: 1"=50'

SOILS LEGEND		
SOIL	NAME	CLASS
GgB	Glenn loam, 3 to 8 percent slopes	B

NOTES:
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 † Generally only within 100-year floodplain areas

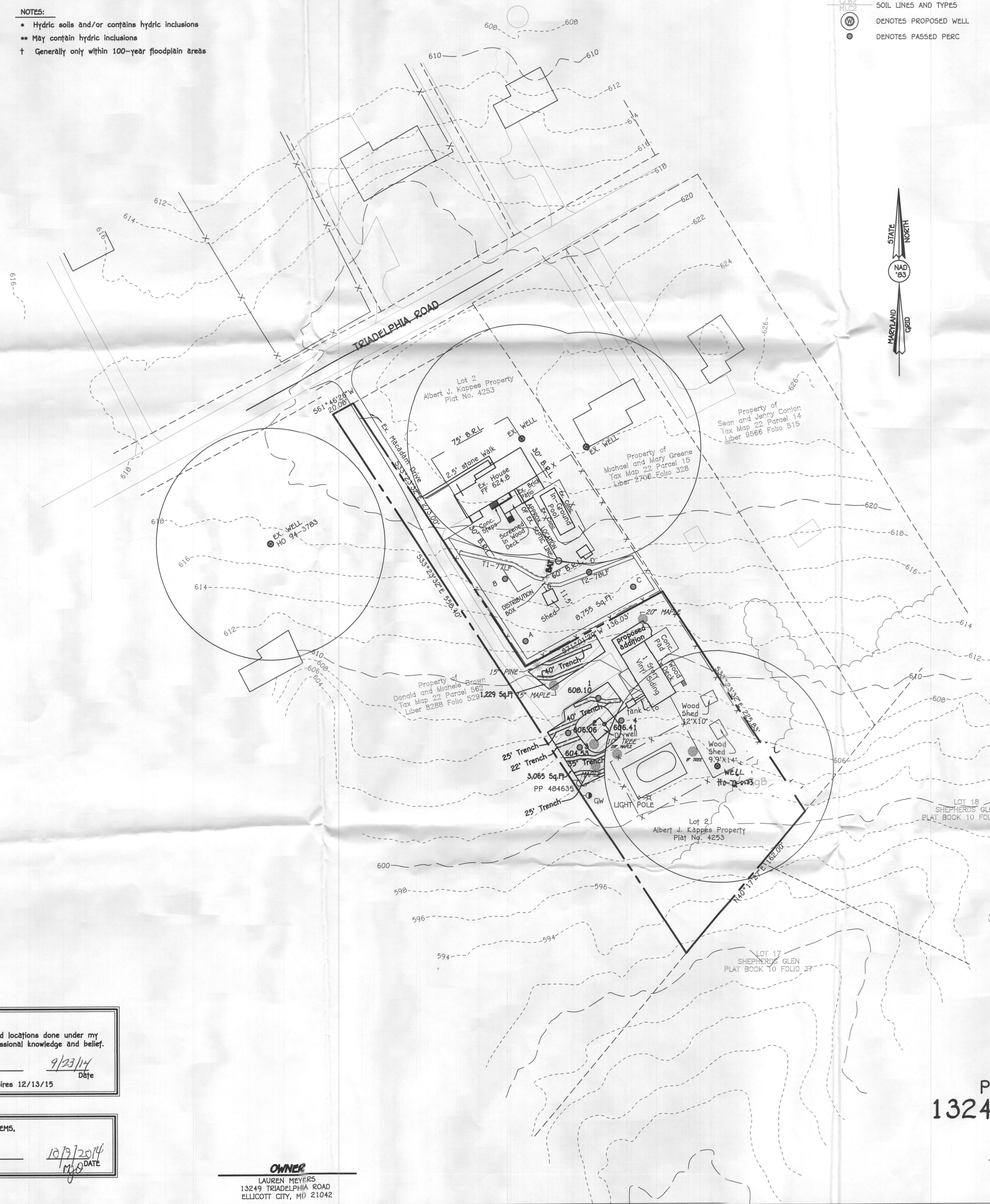
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Terrell A. Fisher, Professional Land Surveyor No. 11492 Expires 12/13/15

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 HOWARD COUNTY HEALTH DEPARTMENT.

Signature of Professional Land Surveyor: *Terrell A. Fisher* Date: *10/13/2014*

Signature of Professional Land Surveyor: *Terrell A. Fisher* Date: *10/13/2014*

OWNER
 LAUREN MEYERS
 13249 TRIADELPHIA ROAD
 ELLICOTT CITY, MD 21042

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