



# APPLICATION

## FOR PERCOLATION TESTING AND SITE EVALUATION

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

@AP 545072

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

DATE 6-20-13

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) JOHN AND SAMANTHA HUMPHREYS

DAYTIME PHONE (240) 228-2228 CELL (301) 908-9787 FAX \_\_\_\_\_

MAILING ADDRESS 3514 HIPSLEY MILL RD WOODBINE MD 21797  
STREET CITY/TOWN STATE ZIP

APPLICANT OWNER

DAYTIME PHONE OWNER CELL \_\_\_\_\_ FAX \_\_\_\_\_

MAILING ADDRESS OWNER \_\_\_\_\_  
STREET CITY/TOWN STATE ZIP

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

PROPERTY LOCATION  
SUBDIVISION/PROPERTY NAME CABIN RIVER FARMS LOT NO. B2

PROPERTY ADDRESS 3514 HIPSLEY MILL RD WOODBINE  
STREET TOWN/POST OFFICE

TAX MAP PAGE(S) 0020 GRID 0003 PARCEL(S) 0042 PROPOSED LOT SIZE 2.07 Ac

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 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

MAP \_\_\_\_\_

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 \_\_\_\_\_



## Bureau of Environmental Health

7178 Columbia Gateway Drive, Columbia, MD 21046-2147

Main: 410-313-2640 | Fax: 410-313-2648

TDD 410-313-2323 | Toll Free 1-866-313-6300

[www.hchealth.org](http://www.hchealth.org)

Facebook: [www.facebook.com/hocohealth](http://www.facebook.com/hocohealth)

Twitter: [HowardCoHealthDep](https://twitter.com/HowardCoHealthDep)

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

Date: August 20, 2013

To: Mr. and Mrs. John Humphreys  
Via e-mail: [JCH@VT.edu](mailto:JCH@VT.edu)  
3514 Hipsley Mill Road  
Woodbine, Maryland 21797

RE: **Percolation Testing Report  
3514 Hipsley Mill Road**

Percolation testing was conducted on the referenced property on August 14, 2013. The purpose for conducting percolation testing was to establish 10,000 square foot sewage disposal area for the existing house. The new disposal area will be used to redesign septic area to accommodate the existing house and any future proposed addition.

A total of five (5) test holes were evaluated and five (5) 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. The existing septic system does not show any signs of failure and can continue to be used to accommodate the existing house, if it continues to function properly. However, if the number of bedrooms increase or the system fails, the entire system must be upgraded to the "Best Available Technology". The existing lot contained 1 well and it must be upgraded to current Howard County Code before any building permits can be released. The 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 and confirm the design of the septic reserve area. When submitting your Percolation Certification Plan please make sure you include all surrounding wells and septic systems. And all percolation holes must be field located and shown on the Percolation Certification Plan. 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

Cc: File,  
LDE, Inc. Engineers, Surveyors and Planners, C/O Donald Wayne Weller

# Percolation Information- 3514 Hipsley Mill Road

NOT TO SCALE

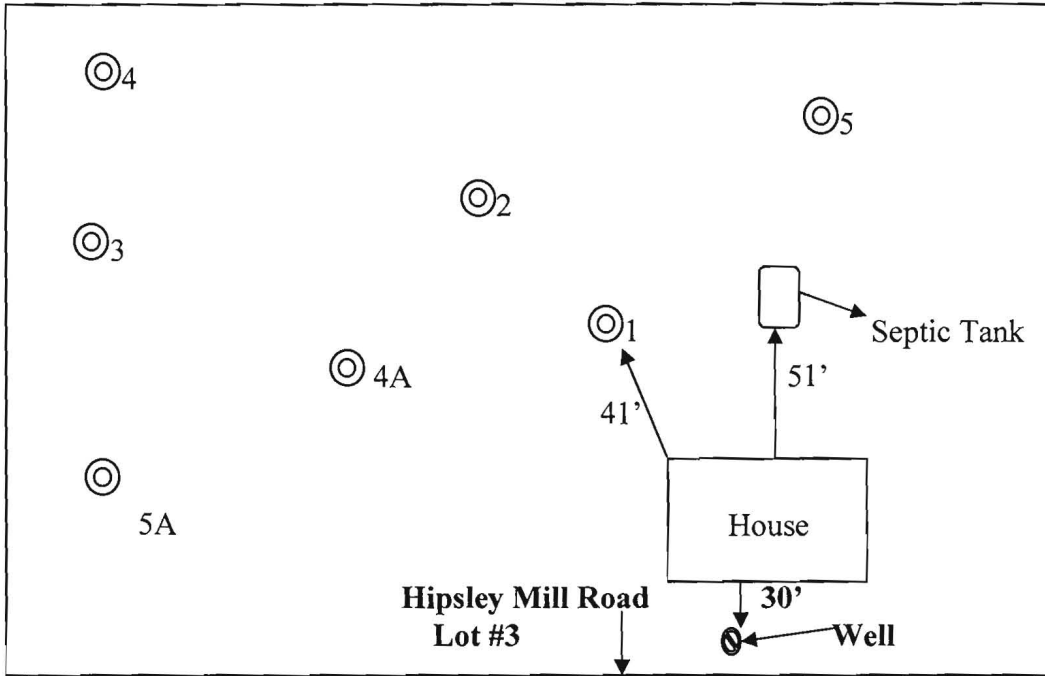
1

2sbk , Dk.Gray  
Black SCL  
-----0.5'

Red-Brown  
SCL  
Much Mica  
5%-10%  
Small RX  
-----3'

Red Brown  
Yellow, FSL  
Much Mica  
Silty  
-----13'

Red Brown  
Yellow, FSL  
Silty, H2O in  
the Bottom  
-----14'



4A

2sbk , Dk.  
Gray  
Black SCL  
-----0.8'

Red-Brown  
SCL  
Much Mica  
-----3'

Red-Brown  
Yellow  
SL  
Much Mica  
10%-20% RX  
Shale /Silty  
-----14'

2

2sbk , Dk. Brn  
Black SCL  
-----0.5'

Red-Brown  
SCL  
-----3.5'

Red-Brown  
Yellow  
SL  
Much Mica  
5%-10% RX  
Shale /Silty  
-----13'

Red Brown  
Yellow, FSL  
Silty, H2O in  
the Bottom  
-----14'

Date	Test	Depth	Start	Break 1" Drop	Break 2" Drop	Time of 2 <sup>nd</sup> Inch	P/F/H
8-14-13	1	4.5/ 14	10:29	10:31	10:33	2 min.	Pass
8-14-13	2	4.2/ 14	11:01	11:04	11:08	4 min.	Pass
8-14-13	3	3/ 14	11:20	11:25	11:32	7 min.	Pass
8-14-13	4			Did Not Test			
8-14-13	5	10'		H2O Seeping @ 8'			Fail
8-14-13	4A	3/ 14	11:28	11:33	11:41	8 min.	Pass
8-14-13	5A	3/ 14	11:48	11:54	11:58	4 min.	Pass

5

2sbk , Dk.  
Gray  
Black SCL  
-----0.8'

Red-Brown  
Yellow  
SCL  
Much Mica  
-----5'

Red-Brown  
FSL  
Much Mica  
-----8'

Red Brown  
Grey  
Modeling  
CL  
H2O @ 9'

3

2sbk , Dk. Brn  
Grey, SCL  
-----0.8'

Red-Brown  
SCL  
-----2.5'

Red-Brown  
SL  
Many Mica  
10-20% Shale  
-----10'

Red Brown  
Yellow  
FSL  
-----14'

5A

2sbk , Dk.  
Gray  
Black SCL  
-----0.5'

Red-Brown  
SCL  
-----2.5'

Red Brown  
Yellow  
Much Mica  
FSL  
20%-30%  
Med. Shale  
-----9'

Red Brown  
Yellow  
FSL  
-----14'

Remarks: \_\_ Perc holes must be surveyed on Percolation Certification Plan. \_\_ Well must be upgraded and tank must be pumped.

Sanitarian D. Bernard Backhoe            Others Mr. Humphrey

Test Holes Used in SDA 5 Avg. Perc Time 5 min. SQ.FT/BR           

Trench Width 3 Inlet Depth 3 Max Bot.Depth 8 Effective S/W



**Office of the Health Officer**

7178 Columbia Gateway Drive, Columbia, MD 21046-2147

Main: 410-313-6300 | Fax: 410-313-6303

TDD 410-313-2323 | Toll Free 1-866-313-6300

[www.hchealth.org](http://www.hchealth.org)

Facebook: [www.facebook.com/hocohealth](http://www.facebook.com/hocohealth)

Twitter: [HowardCoHealthDep](https://twitter.com/HowardCoHealthDep)

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

TO: Mr. and Mrs. John Humphreys  
3514 Hipsley Mill Road  
Woodbine, Maryland 21797

CC: LDE, Inc. Engineers, Surveyors, and Planners  
C/O Donald Wayne Weller

FROM: Dana Bernard, REHS/RS  
Well and Septic Program  
Development Coordination Section

RE: 3514 Hipsley Mill Road  
Percolation Certification Plan

DATE: July 2, 2013

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The following comments apply to the plan prepared by LDE, Inc. Engineers, Surveyors, and Planners. Applicant is advised to revise and resubmit.

- ⬇ Five percolation holes are required.
- ⬇ Soil units must be shown on plan.
- ⬇ Topography with elevations.
- ⬇ Show the location of the existing well and show 2 alternate well locations.
- ⬇ Show the location of the existing septic system with all components.

In your purpose statement on your proposed plan, it stated that you will be using this percolation certification plan for your anticipated building application. Therefore, in addition, you must submit floor plans for the existing house and the proposed addition, so the septic system can be properly sized for your anticipated project.

If you have any questions or correspondence, I can be reached at the above address or by telephone at (410) 313-2775.

Sincerely,

Dana Bernard, REHS/RS  
Environmental Specialist II  
Bureau of Environmental Health,  
Well and Septic Program  
Phone (410) 313-2775  
Fax (410) 313-2648  
E-mail: [DBernard@howardcountymd.gov](mailto:DBernard@howardcountymd.gov)

**COMPLETE THIS FORM WHEN DROPPING OFF ANY  
CORRESPONDENCE AND/OR PLANS TO THE HOWARD COUNTY  
DEPARTMENT OF INSPECTIONS, LICENSES AND PERMITS COUNTER:**

Date: 9/20/13  
 To: DED  
 (Person's Name and Division)  
 From: JOHN HUMPHREYS (301) 908 9787  
 (Your Name, Company Name and Telephone Number)  
 Subject: Project name Humphreys Residence  
 Project site address 3514 Hipsley Mill Rd  
 Permit Number B13003468 SDP # \_\_\_\_\_  
 Other information pertinent to this project \_\_\_\_\_

✓ Please check the attachments below that you are submitting with this transmittal:

- Letter of response to Howard County plan review code letter
- Revised plans and/or revised details: When submitting for a complete re-review, **duplicate sets shall be submitted.**
- Structural steel certification
- Energy conservation calculations
- Certification for \_\_\_\_\_ (be specific).
- Copies of \_\_\_\_\_ (be specific).
- Two sets of single family dwelling model plans to be placed on permanent file: Model name and/or # \_\_\_\_\_
- Other plot plans showing elevation

**RECEIVED**  
 SEP 20 2013  
 LICENSES & PERMITS  
 DIVISION

Is there anyone else that should be contacted regarding this project if there are questions?

If so, please list that person's name and telephone number below:

\_\_\_\_\_  
 (Person's name) (\_\_\_\_\_) \_\_\_\_\_  
 (Telephone number)

**PLEASE ASSURE ALL DOCUMENTS AND/OR REVISIONS ARE APPROPRIATELY SIGNED AND SEALED, IF NECESSARY, BY A LICENSED ARCHITECT OR ENGINEER. PLEASE BE ADVISED THAT INSUFFICIENT INFORMATION MAY RESULT IN THE DELAY OF REVIEW BY THE PLANS EXAMINER. THE DEPARTMENT OF INSPECTIONS, LICENSES AND PERMITS WILL CONTACT YOU IF THERE IS A PROBLEM. IN ADDITION, ONCE THE BUILDING PERMIT IS APPROVED BY THE PLAN REVIEW DIVISION AND ALL OTHER REQUIRED SIGNATORY AGENCIES, AND THE BUILDING PERMIT IS READY FOR ISSUANCE, THE PERMIT DIVISION WILL NOTIFY THE APPROPRIATE CONTACT PERSON FOR PERMIT PICK UP. ALL PERMIT STATUS INQUIRIES SHALL BE DIRECTED TO THE PERMIT DIVISION AT 410-313-2455. CODE RELATED QUESTIONS AND PLAN REVIEW INQUIRIES SHALL BE DIRECTED TO THE PLAN REVIEW DIVISION AT 410-313-2436. PLEASE ALLOW A MINIMUM OF FIVE (5) WORKING DAYS FOR ANY PLAN SUBMITTALS TO BE REVIEWED. THANK YOU.**

Received by \_\_\_\_\_

cc: Bldg  
 DP  
 Health

white: Plan Review Division  
 yellow: Applicant  
 pink: Permit Division

# WATER WELL CONSTRUCTION STANDARDS

(For Wells Prior To 1980)

Reference Made in Health Department Memorandum Dated January 28, 2000

Name of Present Owner John Humphreys  
Address of Property 3514 Hipsley Mill Rd.  
Location of Property Woodbine, MD. 21797  
Tax Map \_\_\_\_\_ Parcel No. \_\_\_\_\_

1. Depth of Well - \_\_\_\_\_ feet -  
2. Yield of Well - \_\_\_\_\_ gallons per minute  
(Attach 3 hr. pump test data sheet or copy of well completion report)  
3. Well terminates 15" inches above ground level.  
(Must terminate 8 inches above ground level or 24 inches above flood plain level.)  
4. How much and what type of casing is in well?

EW did not test.  
We brought well above  
ground out of the  
well pit.

\_\_\_\_\_ Depth in Feet

Steel Casing Type

(Well with less than 20 feet of casing must be tested for bacteria or sleeved to 20+ feet.)

5. Is the well grouted? \_\_\_\_\_ Yes \_\_\_\_\_ No  
(If it cannot be determined that the well was grouted, well must be tested for bacteria contamination or sleeved and grouted.)

6. Does the well have an insect proof well cap?  Yes \_\_\_\_\_ No  
(If well does not have insect proof cap, one must be installed on well.)

Jerry A. Miller, III  
Well Driller's Signature  
Easterday Well + Pump  
Well Drilling Company

WR 0074  
License Number  
10/7/13  
Date

**JOB INVOICE**

**EASTERDAY WELL & PUMP**

9265 Brown Church Road  
Mt. Airy, Md 21771  
(301) 831-5170

CUSTOMERS ORDER NO.	DATE ORDERED 9/17/13
ORDER TAKEN BY	DATE PROMISED <input type="checkbox"/> A.M. <input type="checkbox"/> P.M.

BILL TO <i>John Humphreys</i>	PHONE
ADDRESS <i>3514 Hipstey Mill Rd</i>	MECHANIC <i>John</i>
CITY <i>Woodbine MD</i>	HEADER <i>Hub</i>
JOB NAME AND LOCATION	<input checked="" type="checkbox"/> DAY WORK <input type="checkbox"/> CONTRACT <input type="checkbox"/> EXTRA
DESCRIPTION OF WORK <i>Raised casing</i>	

QUANT.	DESCRIPTION OF MATERIAL USED	PRICE	AMOUNT
	<i>2 hrs labor</i>		
	<i>well cap</i>		
	<i>collar</i>		
	<i>3 adaptors</i>		
	<i>8 clamps</i>		
	<i>welder</i>		
	<i>1" pitless</i>		
	<i>adaptor</i>		
	<i>casing</i>		
	<i>Misc</i>		
	<i>Part ckt# 628</i>		

HOURS	LABOR	AMOUNT	TOTAL MATERIALS
	MECHANICS	⊙	
	HELPERS	⊙	TOTAL LABOR
I hereby acknowledge the satisfactory completion of the above described work.		TOTAL LABOR	TAX
SIGNATURE	DATE COMPLETED	TOTAL	<i>765.<sup>00</sup></i>

**Bernard, Dana**

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**From:** Bernard, Dana  
**Sent:** Thursday, October 03, 2013 9:38 AM  
**To:** 'John Humphreys'  
**Subject:** RE: 3514 Hipsley Mill Rd

Mr. Humphreys ,

After reviewing your percolation certification plan, I have discovered a few revisions needed in order to proceed with your percolation certification plan.

1. All wells (proposed and existing) must be 100 feet from the septic easement and 30 feet from the house.
2. Well pit must be labeled (to be upgraded).
3. Addition must be labeled.

Remember that you will not have to upgrade your septic tank if you are not adding any additional bedrooms.

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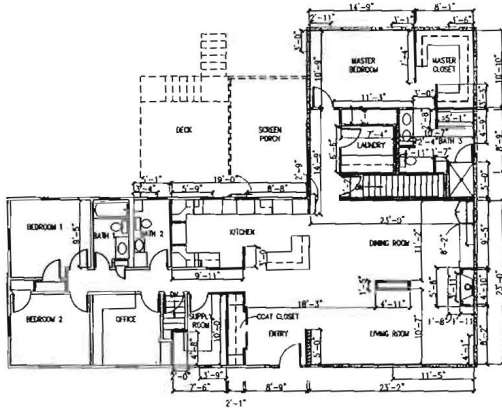
**From:** John Humphreys [mailto:jch@vt.edu]  
**Sent:** Wednesday, October 02, 2013 5:21 PM  
**To:** Bernard, Dana  
**Subject:** 3514 Hipsley Mill Rd

Dana,

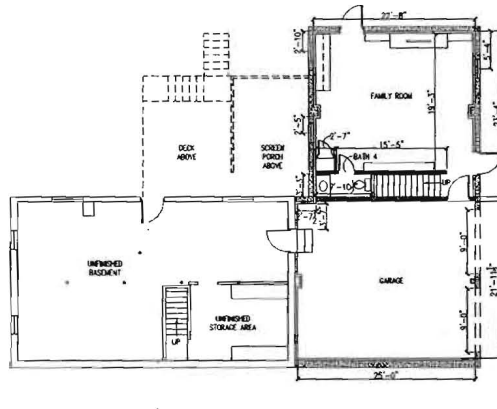
We are moving along in our building permit process at 3514 Hipsley Mill Rd. We've heard from the other departments in the county and have made changes based on their comments. They have individually started to approve us to build. I haven't heard from you since we submitted everything to you a couple weeks ago, so I wanted to check in.

Please let me know our status and if there's anything else you need from us. We hope to begin building as soon as the permit is completed.

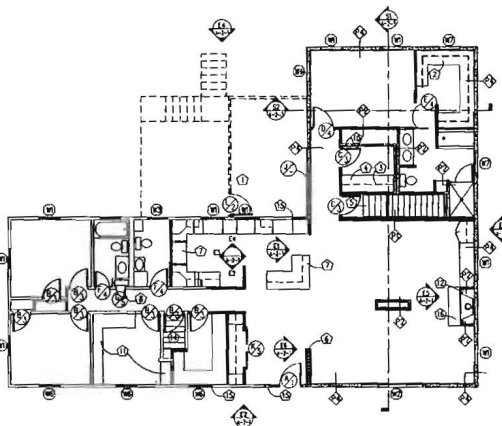
Thanks,  
John Humphreys  
301-908-9787  
[jch@vt.edu](mailto:jch@vt.edu)



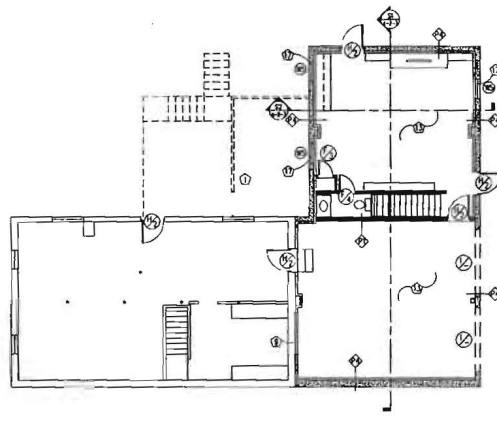
1 FIRST FLOOR DIMENSION PLAN  
DATE: 10/27/22



2 BASEMENT DIMENSION PLAN  
DATE: 10/27/22



3 FIRST FLOOR NEW WORK PLAN  
DATE: 10/27/22



4 BASEMENT NEW WORK PLAN  
DATE: 10/27/22

DOOR SCHEDULE									
NO.	DOOR	TYPE	FINISH	FRAME	REMARKS				
1	①	6'-0" x 2'-0"	1-1/2" x 4"	6000	NEW EXTERIOR DOOR WITH 1/2" GYPSUM BOARD INSULATION				
2	②	6'-0" x 2'-0"	1-1/2" x 4"	6000	NEW EXTERIOR DOOR				
3	③	6'-0" x 2'-0"	1-1/2" x 4"	6000	NEW INTERIOR DOOR				
4	④	6'-0" x 2'-0"	1-1/2" x 4"	6000	NEW INTERIOR DOOR				
5	⑤	6'-0" x 2'-0"	1-1/2" x 4"	6000	NEW INTERIOR DOOR				
6	⑥	6'-0" x 2'-0"	1-1/2" x 4"	6000	NEW INTERIOR DOOR				
7	⑦	6'-0" x 2'-0"	1-1/2" x 4"	6000	NEW INTERIOR DOOR				
8	⑧	6'-0" x 2'-0"	1-1/2" x 4"	6000	NEW INTERIOR DOOR				
9	⑨	6'-0" x 2'-0"	1-1/2" x 4"	6000	NEW INTERIOR DOOR				
10	⑩	6'-0" x 2'-0"	1-1/2" x 4"	6000	NEW INTERIOR DOOR				

DOOR HARDWARE SCHEDULE		NOTE: ALL HARDWARE FINISH TO MATCH
①	NEW DOOR	NEW DOOR
②	NEW DOOR	NEW DOOR
③	NEW DOOR	NEW DOOR
④	NEW DOOR	NEW DOOR
⑤	NEW DOOR	NEW DOOR
⑥	NEW DOOR	NEW DOOR
⑦	NEW DOOR	NEW DOOR
⑧	NEW DOOR	NEW DOOR
⑨	NEW DOOR	NEW DOOR
⑩	NEW DOOR	NEW DOOR

- NOTES:
- ALL DOORS, HARDWARE AND WINDOWS TO BE PURCHASED AND INSTALLED BY HOMEOWNERS.
  - ALL INTERIOR FINISHING (DRYWALL, FINISHED FLOORS, PAINT, TRIM, FURNITURE, CABINETS) TO BE INSTALLED BY HOMEOWNER.
  - ALL WALL DIMENSIONS SHOWN TO STUDIOS/OUTSIDE OF UNFINISHED WALL.
  - ALL WINDOW AND DOOR DIMENSIONS SHOWN TO CENTERLINE OF ROUGH OPENING.
  - ALL BATHROOMS TO RECEIVE APPROPRIATE MILDOW AND MOISTURE RESISTANT CBG.

WINDOW SCHEDULE									
NO.	TYPE	SIZE	FINISH	TYPE	MARKING	NOTE			
1	①	6'-0" x 4'-0"	1-1/2" x 4"	6000	NEW EXTERIOR WINDOW	NEW EXTERIOR WINDOW			
2	②	6'-0" x 4'-0"	1-1/2" x 4"	6000	NEW EXTERIOR WINDOW	NEW EXTERIOR WINDOW			
3	③	6'-0" x 4'-0"	1-1/2" x 4"	6000	NEW EXTERIOR WINDOW	NEW EXTERIOR WINDOW			
4	④	6'-0" x 4'-0"	1-1/2" x 4"	6000	NEW EXTERIOR WINDOW	NEW EXTERIOR WINDOW			
5	⑤	6'-0" x 4'-0"	1-1/2" x 4"	6000	NEW EXTERIOR WINDOW	NEW EXTERIOR WINDOW			
6	⑥	6'-0" x 4'-0"	1-1/2" x 4"	6000	NEW EXTERIOR WINDOW	NEW EXTERIOR WINDOW			
7	⑦	6'-0" x 4'-0"	1-1/2" x 4"	6000	NEW EXTERIOR WINDOW	NEW EXTERIOR WINDOW			
8	⑧	6'-0" x 4'-0"	1-1/2" x 4"	6000	NEW EXTERIOR WINDOW	NEW EXTERIOR WINDOW			
9	⑨	6'-0" x 4'-0"	1-1/2" x 4"	6000	NEW EXTERIOR WINDOW	NEW EXTERIOR WINDOW			
10	⑩	6'-0" x 4'-0"	1-1/2" x 4"	6000	NEW EXTERIOR WINDOW	NEW EXTERIOR WINDOW			

DIMENSION/PARTITION PLAN LEGEND	
①	ELEVATION/SECTION TAG
②	ELEVATION/SECTION NUMBER
③	ELEVATION/SECTION LOCATION
④	DOOR TYPE DESIGNATOR
⑤	EXISTING WALL(S) TO REMAIN
⑥	NEW INTERIOR PARTITION, 2X4 WOOD STUDS, 16" O.C., WITH 1/2" GYPSUM BOARD BOTH SIDES TO UNDERSIDE OF CEILING, AT 8'-0" A.F.F.
⑦	NEW INTERIOR LOAD BEARING PARTITION, 2X4 WOOD STUDS, 16" O.C., WITH 1/2" GYPSUM BOARD BOTH SIDES TO UNDERSIDE OF CEILING, AT 8'-0" A.F.F.
⑧	NEW INTERIOR PARTITION, 2X4 WOOD STUDS, 16" O.C., WITH 1/2" GYPSUM BOARD ONE SIDE TO UNDERSIDE OF CEILING, AT 8'-0" A.F.F.
⑨	NEW INTERIOR PARTIAL HEIGHT PARTITION, 2X4 WOOD STUDS, 16" O.C., WITH 1/2" GYPSUM BOARD BOTH SIDES TO 41" A.F.F.
⑩	NEW INTERIOR PARTIAL HEIGHT PARTITION, 2X4 WOOD STUDS, 16" O.C., WITH 1/2" GYPSUM BOARD BOTH SIDES TO 41" A.F.F.
⑪	NEW EXTERIOR LOAD BEARING PARTITION. SEE STRUCTURAL DRAWINGS FOR MORE INFORMATION.

FINISH SCHEDULE					
NO.	FINISH	DESCRIPTION	LOCATION	DATE	STATUS
1	①	PAINTED WALL	ENTIRE INTERIOR	10/27/22	COMPLETE
2	②	PAINTED WALL	ENTIRE INTERIOR	10/27/22	COMPLETE
3	③	PAINTED WALL	ENTIRE INTERIOR	10/27/22	COMPLETE
4	④	PAINTED WALL	ENTIRE INTERIOR	10/27/22	COMPLETE
5	⑤	PAINTED WALL	ENTIRE INTERIOR	10/27/22	COMPLETE
6	⑥	PAINTED WALL	ENTIRE INTERIOR	10/27/22	COMPLETE
7	⑦	PAINTED WALL	ENTIRE INTERIOR	10/27/22	COMPLETE
8	⑧	PAINTED WALL	ENTIRE INTERIOR	10/27/22	COMPLETE
9	⑨	PAINTED WALL	ENTIRE INTERIOR	10/27/22	COMPLETE
10	⑩	PAINTED WALL	ENTIRE INTERIOR	10/27/22	COMPLETE

- APPLIED NOTES:
- SEE DECK CONSTRUCTION DETAILS ON S7 FOR MORE INFORMATION. DECK TO BE BUILT BY HOMEOWNER WHEN ADDITION IS BEING FRAMED. ROOF OF DECK TO BE COVERED WITH REMANUFACTURED ROOFING.
  - CLOSET SHELVING TO BE BUILT BY OWNER. HOMEOWNER TO PROVIDE BLOCKING AS REQUIRED.
  - PROVIDE ELECTRICAL AND PLUMBING CONNECTIONS FOR CLOTHES WASHING MACHINE.
  - PROVIDE ELECTRICAL AND VENTILATION CONNECTIONS FOR CLOTHES DRYER.
  - SEE STAIR DETAILS INCLUDED ON S1 FOR MORE INFORMATION.
  - NEW PARTIAL HEIGHT PARTITION TO BE COMPLETED BY OWNER AFTER COMPLETION OF PROJECT. SEE ELEVATION FOR MORE INFORMATION.
  - STOVE/CABINETS AND APPLIANCES TO BE INSTALLED BY OWNER. HOMEOWNER TO INSTALL BLOCKING AS REQUIRED.
  - PROVIDE WASH/DRAIN CATCH AT THIS DOOR.
  - FILL IN WINDOW IN THIS LOCATION WITH CONCRETE BLOCK.
  - THIS WALL TO BE BUILT BY OWNER AFTER COMPLETION OF PROJECT.
  - EXISTING BUILT-IN SHELVING TO REMAIN.
  - NEW INTERIOR WOOD BURNING FIREPLACE SET IN WOOD FRAMING. HOMEOWNER BR42 ROTATION WOOD BURNING FIREPLACE.
  - NEW INTERIOR PARTITIONS THIS AREA TO BE PARDED OUT FROM FOUNDATION WITH 2X4 STUDS AND 1/2" CBG. COMPLETED BY HOMEOWNER FOLLOWING CONSTRUCTION.
  - EXISTING STAIRS E.T.R.
  - NEW CONSTRUCTION FRAMING TO ALIGN WITH EXISTING CONSTRUCTION.
  - 3MM PORCELAIN TILE FIREPLACE HEARTH, AS DIMENSIONED.
  - IF BASEMENT WALLS ARE POURED CONCRETE, FORM 2X8 WINDOW FRAME WITH BOLTS EMBEDDED IN CONCRETE WHEN POURED.

\* INDICATES ITEMS TO BE DONE BY OWNER

PROJECT:  
**HUMPHREYS' RESIDENCE - ADDITION**  
3514 Hipsley Mill Road  
Woodbine, MD 21797

John & Savannah Hotselberg  
3514 Hipsley Mill Road  
Woodbine, MD 21797  
301.908.9788 | jhote

NO.	DATE	REVISION

NEW WORK DIMENSION & PARTITION PLANS

SCALE: 1/8" = 1'-0"  
DRAWN BY: JHOTE  
CHECKED BY: JHOTE

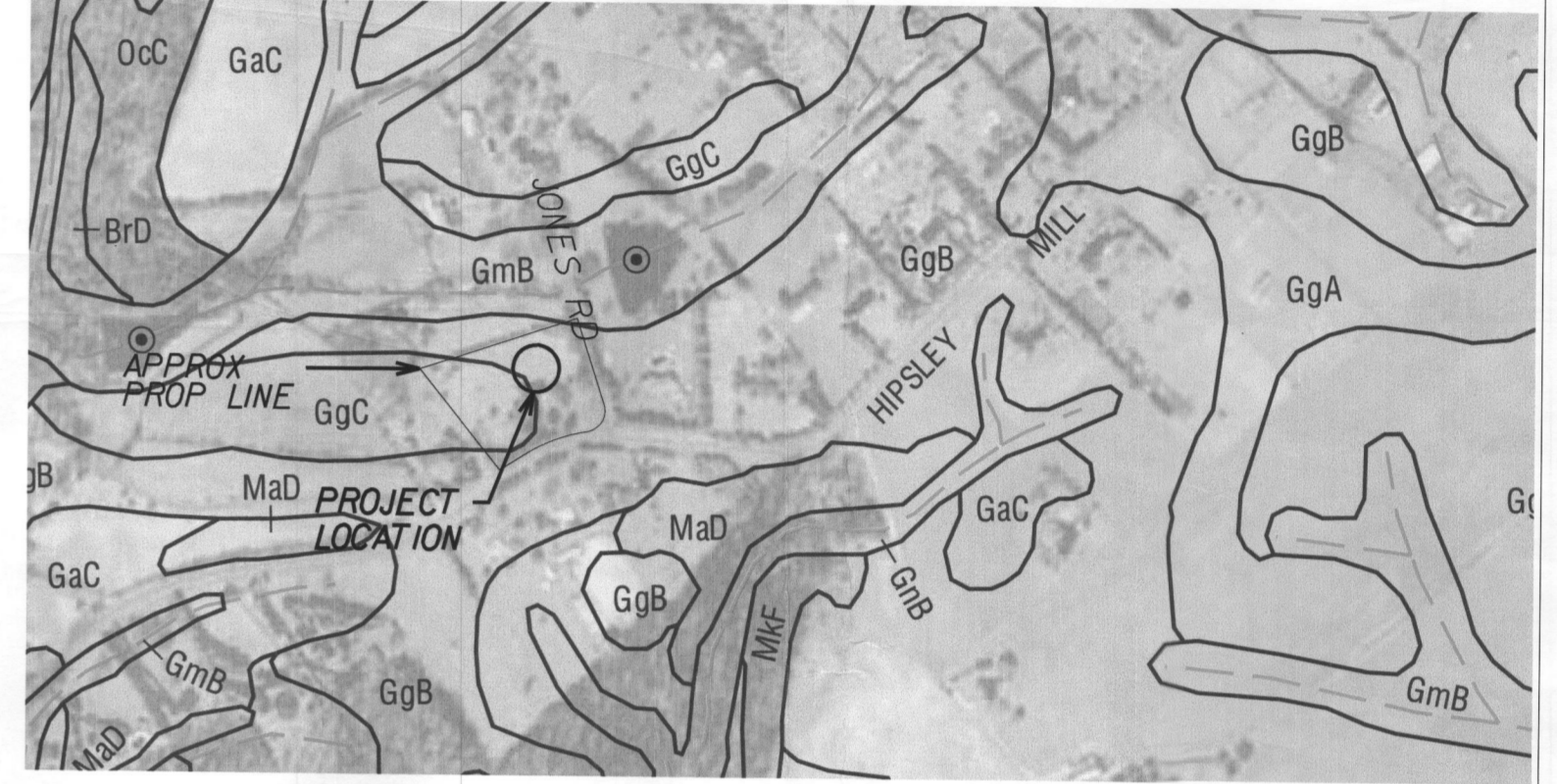






THIS AREA DESIGNATES A PRIVATE SEWERAGE DISPOSAL AREA OF AT LEAST 10,000 SQ.FT. AS REQUIRED BY THE MARYLAND DEPARTMENT OF ENVIRONMENT FOR INDIVIDUAL SEWERAGE DISPOSAL. IMPROVEMENTS OF ANY NATURE IN THIS AREA ARE RESTRICTED. THIS SEWERAGE DISPOSAL AREA SHALL BECOME NULL & VOID UPON CONNECTION TO A PUBLIC SEWERAGE SYSTEM. THE COUNTY HEALTH OFFICER SHALL HAVE AUTHORITY TO GRANT ADJUSTMENTS TO THE PRIVATE SEWERAGE EASEMENT. RECORDATION OF A REVISED SEWERAGE EASEMENT SHALL NOT BE NECESSARY.

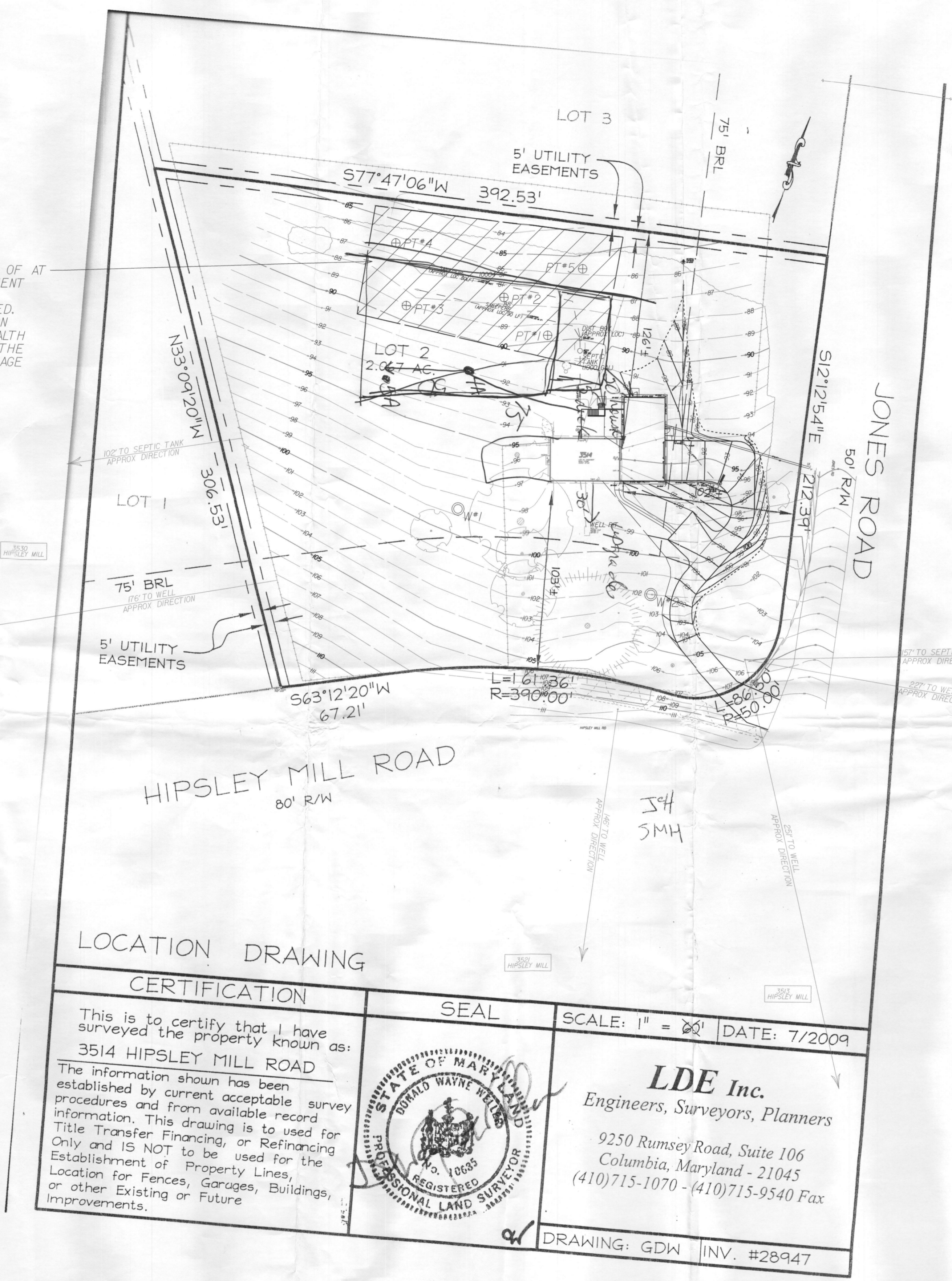
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 3. ADDITIONAL PERCOLATION TESTS ARE PROPOSED IN 2013 AT THE LOCATIONS INDICATED.



SOIL MAP NOTES  
 1. SOURCE: <http://soildata.mart.nrc.usda.gov/manuscripts/md027/0/maps/sheet%209.pdf>  
 2. \*PROJECT LOCATION\* SEPTIC FIELD IS IN SOIL GROUP GgB, \*GLENELG LOAM, 3 TO 8 PERCENT SLOPES\*  
 HOWARD COUNTY SOILS MAP  
 SCALE: (NOT AVAILABLE)

NOTES MANDATED BY HOWARD COUNTY  
 1. ANY CHANGES TO A PRIVATE SEWERAGE EASEMENT SHALL REQUIRE A REVISED PERCOLATION CERTIFICATION PLAN.  
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 3. ALL KNOWN WELLS AND SEPTIC SYSTEMS LOCATED WITHIN 100' OF THE PROPERTY BOUNDARIES AND 200' DOWN GRADIENT OF ANY WELLS AND/OR SEPTIC SYSTEMS HAVE BEEN SHOWN.  
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 5. THE LOT SHOWN HEREON COMPLIES WITH THE MINIMUM OWNERSHIP WIDTH AND LOT AREA AS REQUIRED BY THE MARYLAND DEPARTMENT OF ENVIRONMENT.

- LEGEND
- ⊕PT<sub>n</sub> PROPOSED PERCOLATION TEST HOLE n
  - PT<sub>n</sub> PASSED PERCOLATION TEST HOLE w/ RECORDED RESULTS
  - ⊗PT<sub>n</sub> FAILED PERCOLATION TEST HOLE w/ RECORDED RESULTS
  - W<sub>n</sub> ALTERNATE FUTURE WELL LOCATION n



LOCATION DRAWING

CERTIFICATION		SEAL	SCALE: 1" = 20'	DATE: 7/2009
This is to certify that I have surveyed the property known as: <b>3514 HIPSLEY MILL ROAD</b> The information shown has been established by current acceptable survey procedures and from available record information. This drawing is to be used for Title Transfer Financing, or Refinancing Only and IS NOT to be used for the Establishment of Property Lines, Location for Fences, Garages, Buildings, or other Existing or Future Improvements.			<b>LDE Inc.</b> Engineers, Surveyors, Planners 9250 Rumsey Road, Suite 106 Columbia, Maryland - 21045 (410)715-1070 - (410)715-9540 Fax	
SIGNATURE _____ DATE _____				

"I CERTIFY THAT THE INFORMATION SHOWN HEREON IS BASED ON FIELD WORK PERFORMED BY ME OR UNDER MY DIRECT SUPERVISION, AND IS CORRECT TO THE BEST OF MY KNOWLEDGE AND BELIEF."

SIGNATURE \_\_\_\_\_ DATE \_\_\_\_\_

*Approved For Private Water and Private Sewerage Systems*  Health Officer, Howard County Health Dept. Date _____	PROJECT: <b>HUMPHREYS' RESIDENCE - ADDITION</b>  3514 Hipsley Mill Road Woodbine, MD 21797	John & Samantha Humphreys 3514 Hipsley Mill Road Woodbine, MD 21797 301.908.9787 phone	<table border="1"> <thead> <tr> <th>NO.</th> <th>DATE</th> <th>ISSUE</th> </tr> </thead> <tbody> <tr> <td>1</td> <td>07.01.13</td> <td>FOR PERMIT</td> </tr> <tr> <td>2</td> <td>07.08.13</td> <td>FOR PERMIT w/ REVISIONS REQUESTED BY COUNTY</td> </tr> <tr> <td> </td> <td> </td> <td> </td> </tr> <tr> <td> </td> <td> </td> <td> </td> </tr> <tr> <td> </td> <td> </td> <td> </td> </tr> <tr> <td> </td> <td> </td> <td> </td> </tr> </tbody> </table>	NO.	DATE	ISSUE	1	07.01.13	FOR PERMIT	2	07.08.13	FOR PERMIT w/ REVISIONS REQUESTED BY COUNTY													<b>SEPTIC SYSTEM &amp; PERC CERTIFICATION</b>  SCALE: 1"=40' DRAWN BY: JH/SH/RH CHECKED BY: JH/SH/RH  <b>G-0-05</b>	5 OF 28
NO.	DATE	ISSUE																								
1	07.01.13	FOR PERMIT																								
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LEGEND

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- W ALTERNATE FUTURE WELL LOCATION n

NOTES

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545072 Percolation Information- 3514 Hipsley Mill Road

NOT TO SCALE

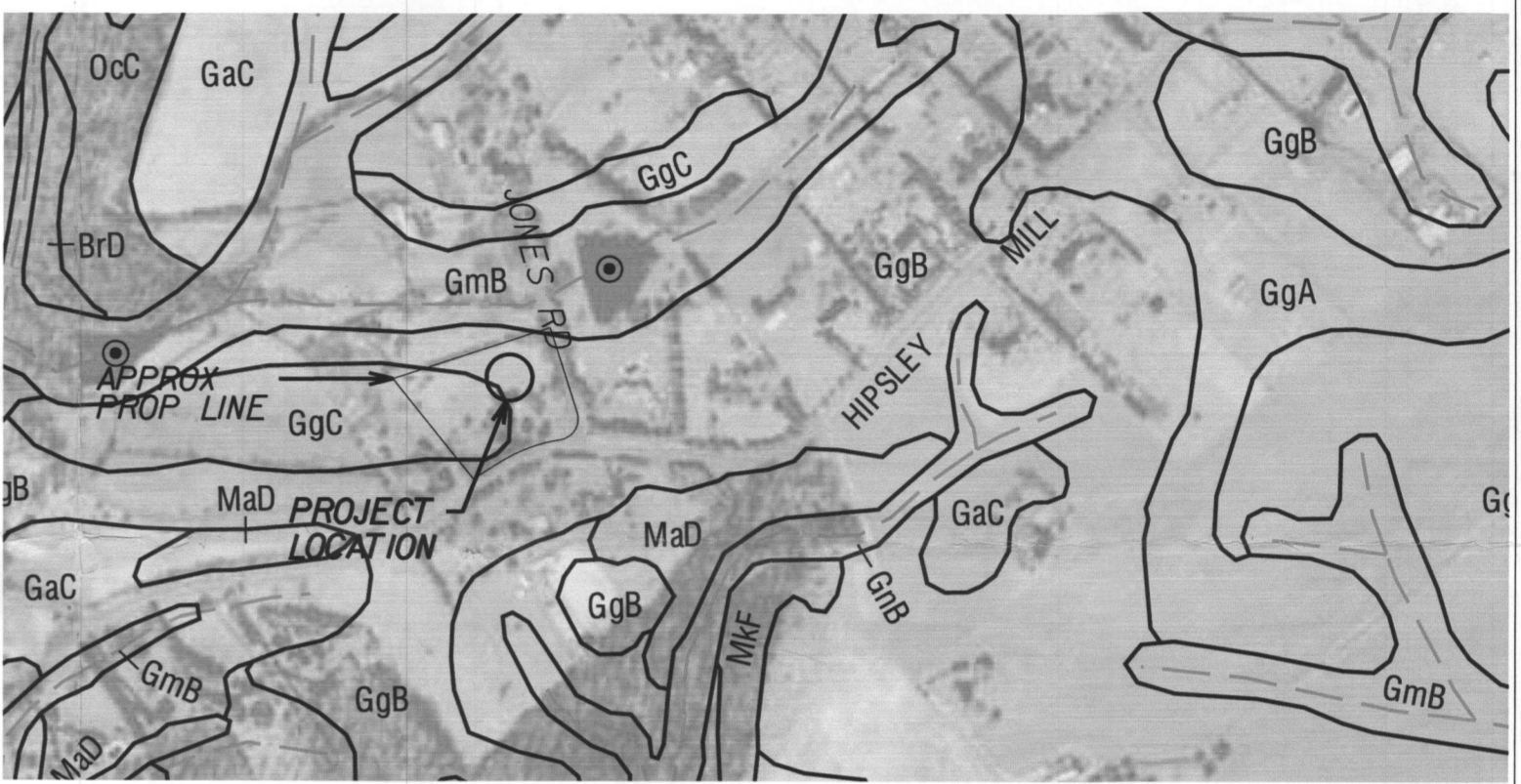
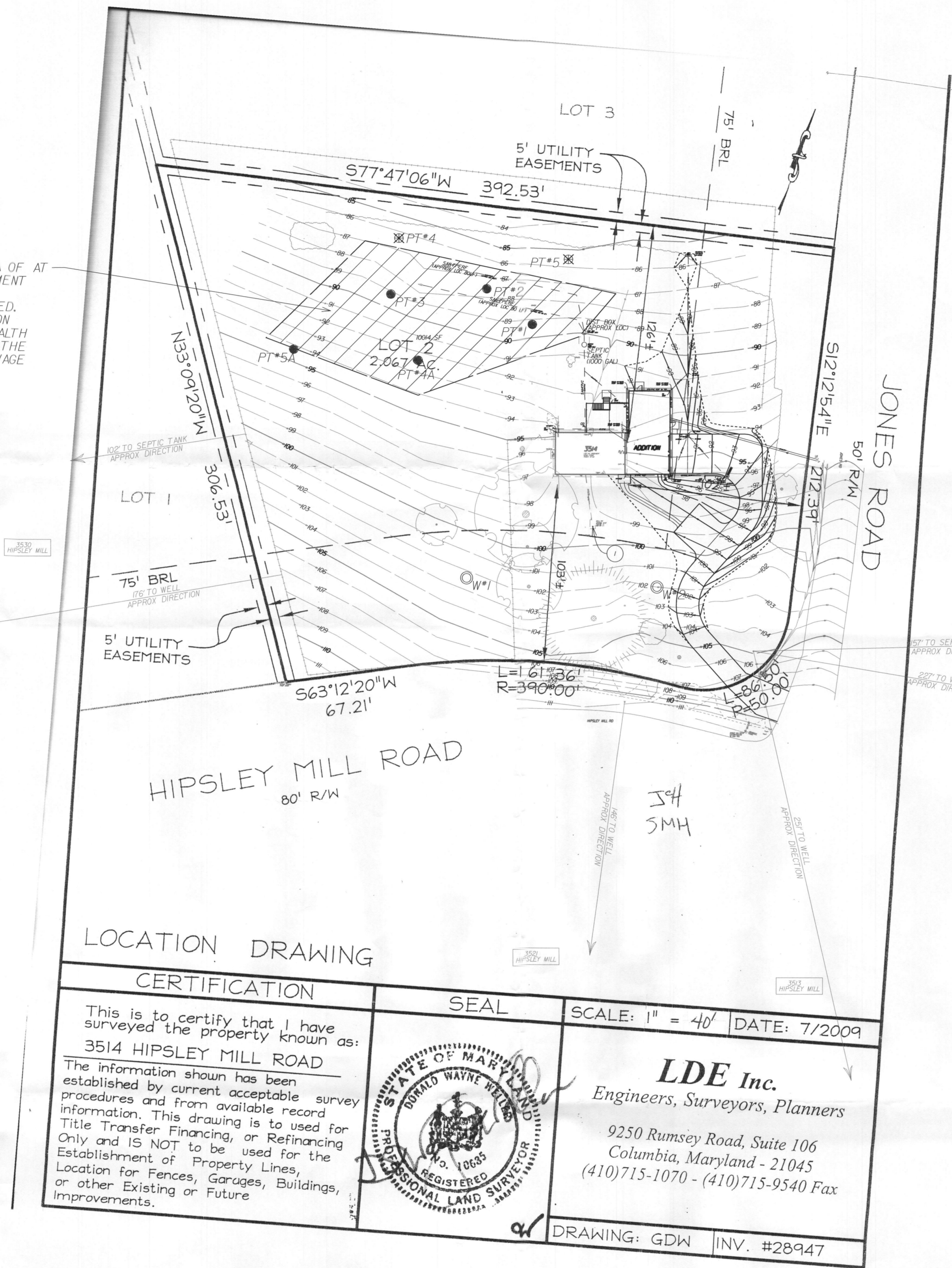
Date	Test	Depth	Start	Break 1" Drop	Break 2" Drop	Time of 2nd inch	P/F/H
8-14-13	1	4.5/14	10:29	10:31	10:33	2 min.	Pass
8-14-13	2	4.2/14	11:01	11:04	11:08	4 min.	Pass
8-14-13	3	3/14	11:20	11:25	11:32	7 min.	Pass
8-14-13	4			Did Not Test			
8-14-13	5	10'		H2O Seeping @ 8'			Fail
8-14-13	4A	3/14	11:28	11:33	11:41	8 min.	Pass
8-14-13	5A	3/14	11:48	11:54	11:58	4 min.	Pass

Remarks: Perc holes must be surveyed on Percolation Certification Plan. Well must be upgraded and tank must be pumped.

Sanitarian: D. Bernard Backhoe; Others: Mr. Humphrey

Test Holes Used in SDA: 5 Avg. Perc Time: 5 min. SQ.FT/BR

Trench Width: 3 Inlet Depth: 3 Max Bot. Depth: 8 Effective S/W



SOIL MAP NOTES

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2. "PROJECT LOCATION" SEPTIC FIELD IS IN SOIL GROUP GgB. "GLENELG LOAM, 3 TO 8 PERCENT SLOPES"

HOWARD COUNTY SOILS MAP  
SCALE: (NOT AVAILABLE)

- KEYNOTES
1. EXTG WELL CASING & CONDUIT HAS BEEN EXTENDED ABOVE GROUND & FITLESS ADAPTOR INSTALLED. WELL PIT WAS ABANDONED, COLLAPSED & BACKFILLED.

- NOTES MANDATED BY HOWARD COUNTY
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Signature: *[Signature]* DATE: 10/8/13

LOCATION DRAWING CERTIFICATION

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SEAL: DONALD WAYNE WELLES, REGISTERED PROFESSIONAL LAND SURVEYOR, No. 10635

LDE Inc. Engineers, Surveyors, Planners  
9250 Rumsey Road, Suite 106  
Columbia, Maryland - 21045  
(410) 715-1070 - (410) 715-9540 Fax

SCALE: 1" = 40' DATE: 7/2009

DRAWING: GDW INV. #28947

\* INDICATES ITEMS TO BE DONE BY OWNER

Approved For Private Water and Private Sewerage Systems

Signature: *[Signature]* Date: 10/16/2013  
Health Officer, Howard County Health Dept.

PROJECT: HUMPHREYS' RESIDENCE - ADDITION

3514 Hipsley Mill Road  
Woodbine, MD 21797

John & Samantha Humphreys  
3514 Hipsley Mill Road  
Woodbine, MD 21797  
301.908.9787 phone

NO.	DATE	ISSUE
1	09.10.13	FOR PERMIT
2	10.03.13	REVISIONS FOR PERMIT

SEPTIC SYSTEM & PERC CERTIFICATION

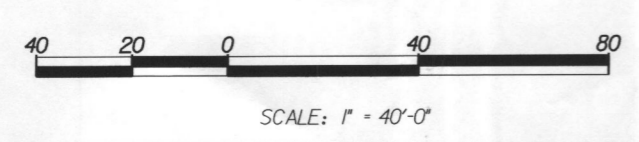
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DRAWN BY: JH/SH/RH

CHECKED BY: JH/SH/RH

**G-0-05**

5 OF 22



CONTOUR INTERVAL = 1'

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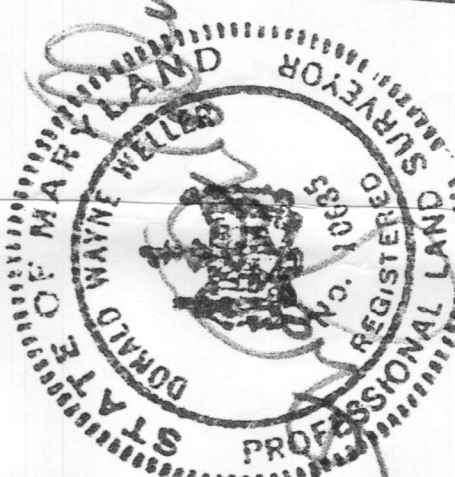
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**SEAL**



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 Columbia, Maryland - 21045  
 (410) 715-1070 - (410) 715-9540 Fax

DRAWING: GDW INV. #28947

SCALE: 1" = 80' DATE: 7/2009

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CONTOUR INTERVAL = 1'

\*Approved For Private Water and Private Sewerage Systems\*

Health Officer, Howard County Health Dept. Date

**PROJECT:**

**HUMPHREYS' RESIDENCE - ADDITION**

3514 Hipsley Mill Road  
 Woodbine, MD 21797

John & Stephanie Humphreys  
 3514 Hipsley Mill Road  
 Woodbine, MD 21797  
 301.908.9787 phone

NO. DATE INSTR. FOR PERMIT

**SEPTIC SYSTEM & PERC CERTIFICATION**

SCALE: 1"=40'  
 DRAWN BY: JHSU/RI  
 CHECKED BY: JHSU/RI

**G-0-05**

