

# APPLICATION

## FOR PERCOLATION TESTING AND SITE EVALUATION

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

AP 531948

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

DATE 10-5-09

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 4 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) AVIS + ADRIANUS MEIJER

DAYTIME PHONE 301-854-6154 CELL 301-367-4121 FAX 301-924-2312

MAILING ADDRESS 3561 Hipsley Mill RD Woodbine MD 21797  
STREET CITY/TOWN STATE ZIP

APPLICANT Same as Above

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

MAILING ADDRESS \_\_\_\_\_  
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. 15

PROPERTY ADDRESS \_\_\_\_\_  
STREET Woodbine, MD TOWN/POST OFFICE 21797

AX MAP PAGE(S) 20 GRID 3 PARCEL(S) 116 PROPOSED LOT SIZE 3.0

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 DETAILED SITE PLAN HAVE BEEN RECEIVED. I ACCEPT THE RESPONSIBILITY FOR COMPLIANCE WITH ALL M.O.S.H.A. AND "MINIMUM UTILITY" REQUIREMENTS. APPROVAL IS BASED UPON SATISFACTORY REVIEW OF A PERC CERTIFICATION PLAN.

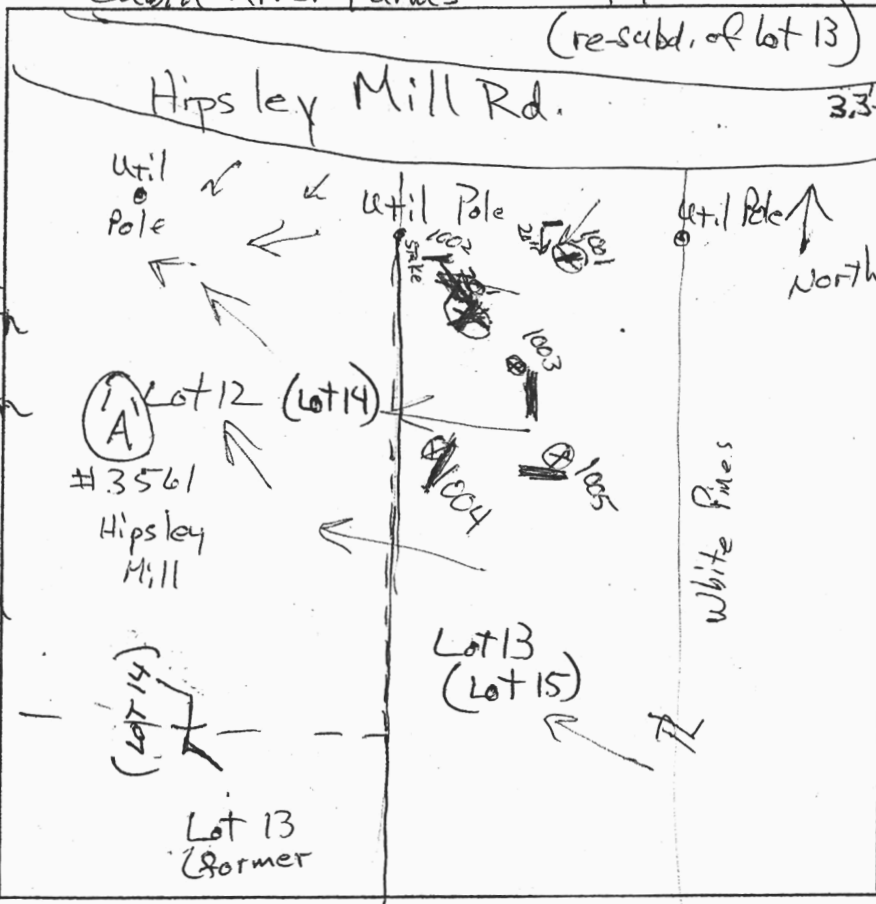
TEST RESULTS WILL BE MAILED TO APPLICANT.

Avis Meijer  
SIGNATURE OF APPLICANT

HOWARD COUNTY HEALTH DEPARTMENT, BUREAU OF ENVIRONMENTAL HEALTH, WELL AND SEPTIC PROGRAM  
7178 COLUMBIA GATEWAY DRIVE COLUMBIA, MARYLAND 21046 (410) 313-1771 FAX (410) 313-2648  
TDD (410) 313-2323 TOLL FREE 1-877-4MD-DHMH

Cabin River Farms Lot 15

(re-subd. of lot 13)



- AP \_\_\_\_\_
- (1005)
- 0.8' dk brn loam
  - 1.2' brn chcl
  - 1.2' brn loam 2 fskb
  - 2.2' yel-brn loam
  - 3' patered & vel brn fsl, 1 imp
  - 4' red & yel brn vch fsl 2 imp
  - 6.7' red & yel-brn fsl saprolites & v fsl
  - 12' 35% overall coatings on rocks

- (1002)
- 0.3' dk brn loam
  - 2.7' brn chcl fskb
  - 4.5' brn & red chcl
  - 5.5' red, yellow & olive w/ black fsl, 1 imp
  - 8' yel-red & olive w/ blk markings fsl, 2 imp
  - 9' yel-red & olive fsl (40%) hard very flaggy continues

- (1004)
- 0.4' dk brn loam
  - 1.2' brn chcl
  - 2.3' red loam
  - 6' olive & red ch fsl 1 fpl
  - 9.5' red & lt. brn vch fsl (40%)
  - 12' 10YR 6/2 & 7/3 fsl 2 fpl
  - 20% channers & flaggy

- (1001)
- 1' dk brn loam
  - 2.5' brn chcl fskb few channers
  - 4' yel brn loam few channers fskb
  - 6' red & lt. brn ch fsl
  - 9' red & lt. brn fsl 35% rock
  - 9.5' v fsl rock increasing with depth greater than 50'

DATE	TEST #	DEPTH	START	BREAK 1" DROP	STOP 2" DROP	TIME OF 2ND INCH	P/F/H
10/26/09	1001	5' 9"	11:12	11:14	11:17	3	P
10/26/09	1003	4.5' 12'	11:18	11:20	11:23	3	P
10/26/09	1004	5' 9.5"	11:32	11:35	11:39	4	P
10/26/09	1002	5.3' 9'	11:54	12:00	12:12	12	P
10/26/09	1005	5.8' 12'	12:13	12:15	12:19	4	P

- (1003)
- 0.5' dk brn loam
  - 1.2' yel-brn sicl fskb
  - 2.5' brn loam 2 fskb few channers
  - 6' red-yel & olive w/ black ch fsl
  - 9' red & lt. brn v fsl & ch fsl
  - 12' 40% rock frag.
  - red, lt. brn yel & blk fsl
  - 10% channers

REMARKS #1001 (stake location) 50%-60% flags and channers 6' 9' dipping east south

SANITARIAN RB BACKHOE Chuck Zapp OTHERS \_\_\_\_\_

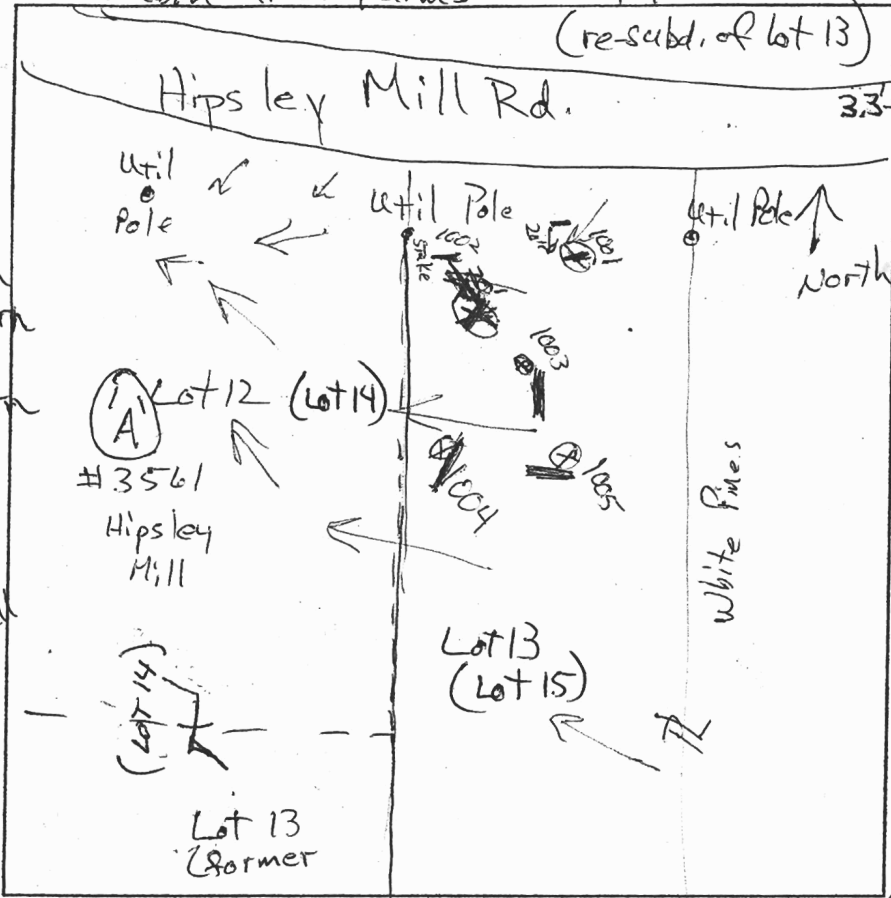
TEST HOLES USED IN SDA \_\_\_\_\_ AVG. PERC TIME \_\_\_\_\_ SQ. FT/BR \_\_\_\_\_

TRENCH WIDTH \_\_\_\_\_ INLET DEPTH \_\_\_\_\_ MAX. BOT DEPTH \_\_\_\_\_ EFFECTIVE SW \_\_\_\_\_

# Cabin River Farms Lot 15

(re-subd. of lot 13)

APP



1005  
 0.8' dk brn loam  
 1.2' brn chcl  
 1.2' brn loam  
 2 fskb  
 2.2' yel-brn loam  
 3' pale red & yel brn  
 fsl, 1 impl  
 4' red & yel brn  
 vch fsl  
 2 impl  
 6.7' red & yel-brn  
 fsl saprolites  
 1 & v fsl  
 12' 35% overall  
 coatings  
 on rocks

1002  
 0.3' dk brn loam  
 2.7' brn chcl  
 1 fskb  
 brn reach  
 4.5' brn red vchsl  
 red yellow  
 & olive w/blk  
 fsl, 1 impl black  
 5.5' yel-red & olive  
 w/blk markings  
 fsl, 2 impl  
 8' yel-red & olive  
 fsl (40%)  
 9' hard  
 very stagggy  
 continues

1004  
 0.4' dk brn loam  
 1.2' brn chcl  
 1.2' red loam  
 2.3' olive & red  
 ch fsl 1 fpl  
 6' red & lt brn  
 vchsl (40%)  
 9.5' 10YR 6/2 & 7/3  
 fsl 2 fpl  
 12' 20% channers  
 & flags

1001  
 1' dk brn loam  
 1.2' brn cl  
 2.5' few channers  
 yel brn loam  
 few channers  
 1 fskb  
 4' red & lt brn  
 ch fsl  
 6' red & lt brn  
 fsl 35% rock  
 9' v fsl  
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10/26/09	1002	5' 3" 9"	11:54	12:00	12:12	12	P
10/26/09	1005	5' 8" 12"	12:13	12:15	12:19	4	P

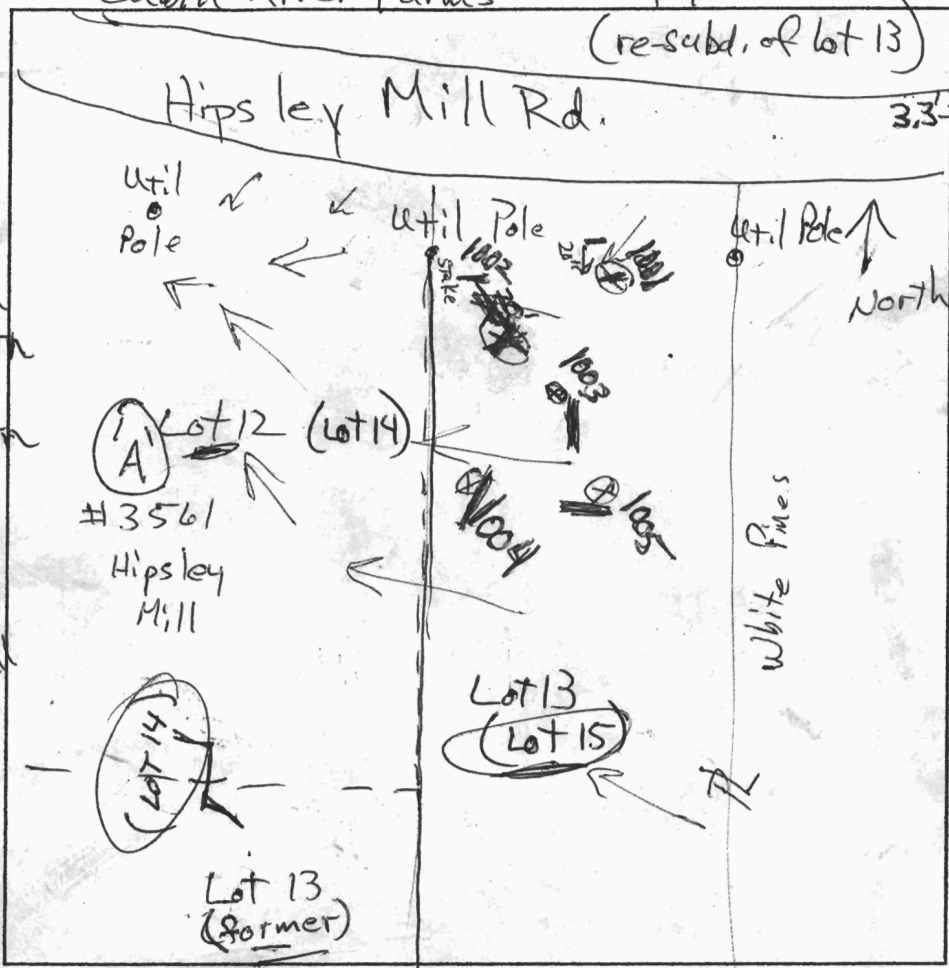
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 v fsl & chsl  
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 yel w/blk fsl  
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SANITARIAN RB BACKHOE Chuck Zapp OTHERS  
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(re-subd. of lot 13)



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 2.2' yel-brn loam  
 3' pale red & yel brn  
 fsl, 1 impl  
 4' red & yel brn  
 vch fsl  
 2 mpl  
 6.7' red & yel-brn  
 fsl saprolites  
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 12' 35% overall  
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 0.4' dk brn loam  
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 9.5' 10YR 6/2 & 7/3  
 fsl 2 fpl  
 12' 20% channers  
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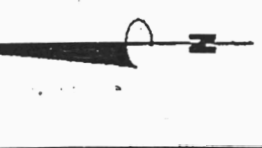
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 & olive w/ blk  
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GENERAL NO

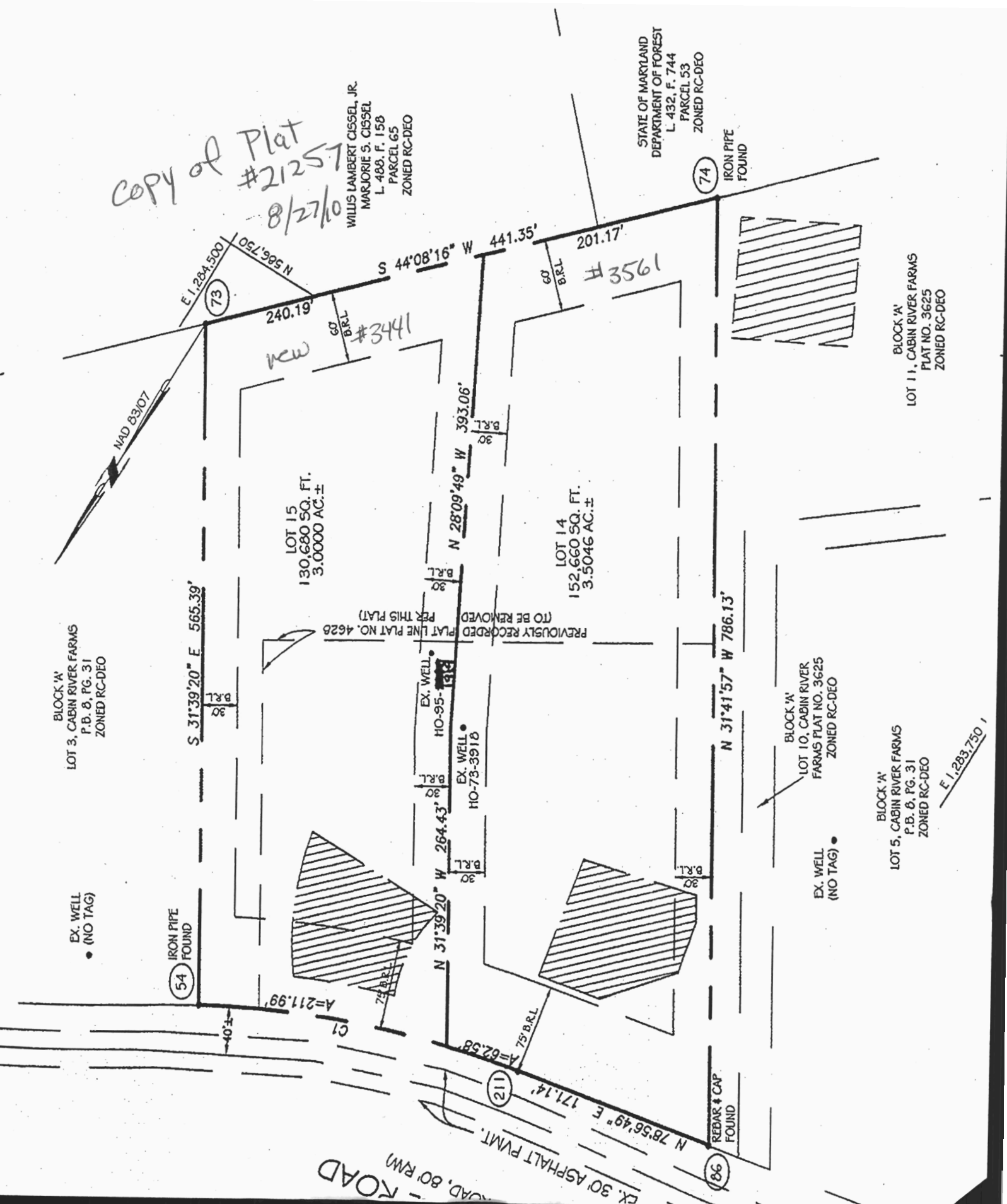
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- 10. Drnway and emr

- 11. This plat Vanmar f
- 12. Areas as
- 13. There are
- 14. There is
- 15. This plan

copy of Plat #21257  
8/27/10

WILLIS LAMBERT CUSSEL, JR.  
MARJORIE S. CUSSEL  
L 488, F. 158  
PARCEL 65  
ZONED RC-DEO

STATE OF MARYLAND  
DEPARTMENT OF FOREST  
L 432, F. 744  
PARCEL 53  
ZONED RC-DEO



BLOCK 'A'  
LOT 11, CABIN RIVER FARMS  
PLAT NO. 3625  
ZONED RC-DEO

BLOCK 'A'  
LOT 5, CABIN RIVER FARMS  
P.B. 8, PG. 31  
ZONED RC-DEO

BLOCK 'A'  
LOT 10, CABIN RIVER FARMS  
PLAT NO. 3625  
ZONED RC-DEO

BLOCK 'A'  
LOT 3, CABIN RIVER FARMS  
P.B. 8, PG. 31  
ZONED RC-DEO

EX. WELL (NO TAG)

IRON PIPE FOUND

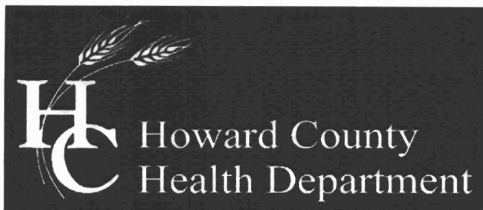
EX. WELL (NO TAG)

REBAR & CAP FOUND

ROAD, 80' R/W

EX. 30' ASPHALT PMT.

E 1,283.750'



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

October 30, 2009

To: Avis and Adrian Meijer, owners/applicant

RE: Percolation Test Report, Proposed re-subdivision of Cabin Run Farms Lots 12 (3561 Hipsley Mill Road) and Lot 13 (creating Lots 14 and 15), A531948

Dear Mr. and Mrs. Meijer,

Percolation testing was conducted on the subject property on October 26, 2009. Profile descriptions were recorded for all test locations observed and percolation test results were recorded for all of the described locations. The records of results and observations are the content of the 2 attached Percolation Test Field Worksheets. The field data has been forwarded to your engineer, and these records will be kept in a Health Department file for the subject property.

Suitable soil properties occur in the areas represented by all six locations tested (1001, 1002, 1003, 1004, and 1005 on proposed Lot 15, and at 'A' on proposed Lot 14). On proposed Lot 15, boundaries could be defined according to soil properties observed at locations 1001 and 1002, and the location for the septic reserve area has been adjusted accordingly (10/28/2009 communication to Vanmar Assoc.). Test location 'A' provides verification of soil properties in the upper portion of the septic reserve on Lot 14 (3561 Hipsley Mill Rd), an area that had not been previously tested.


Health Department records indicate locations for the septic tank, dry well and 14-foot (length) trench at your residence (3561 Hipsley Mill Road). These components were not readily observed at the locations indicated in the records. However the attending Environmental Sanitarian's sketches are believed to be accurate. No evidence of surface discharge or contamination was observed in the area of the dry well. Rutting immediately downgrade of the dry well-trench area may indicate that failure of these disposal components is imminent.

The existing septic tank serving your residence is recorded as 1000-gallon capacity. Future expansion of enclosed living area may trigger a requirement to increase the septic tank capacity to 1500 gallons or 2000 gallons, depending on the resulting area of enclosed living space in an expanded residence. The 10,000 sq.ft. septic reserve area is to be aligned more closely to natural contour, and further away from the drain at the front of proposed Lot 14.

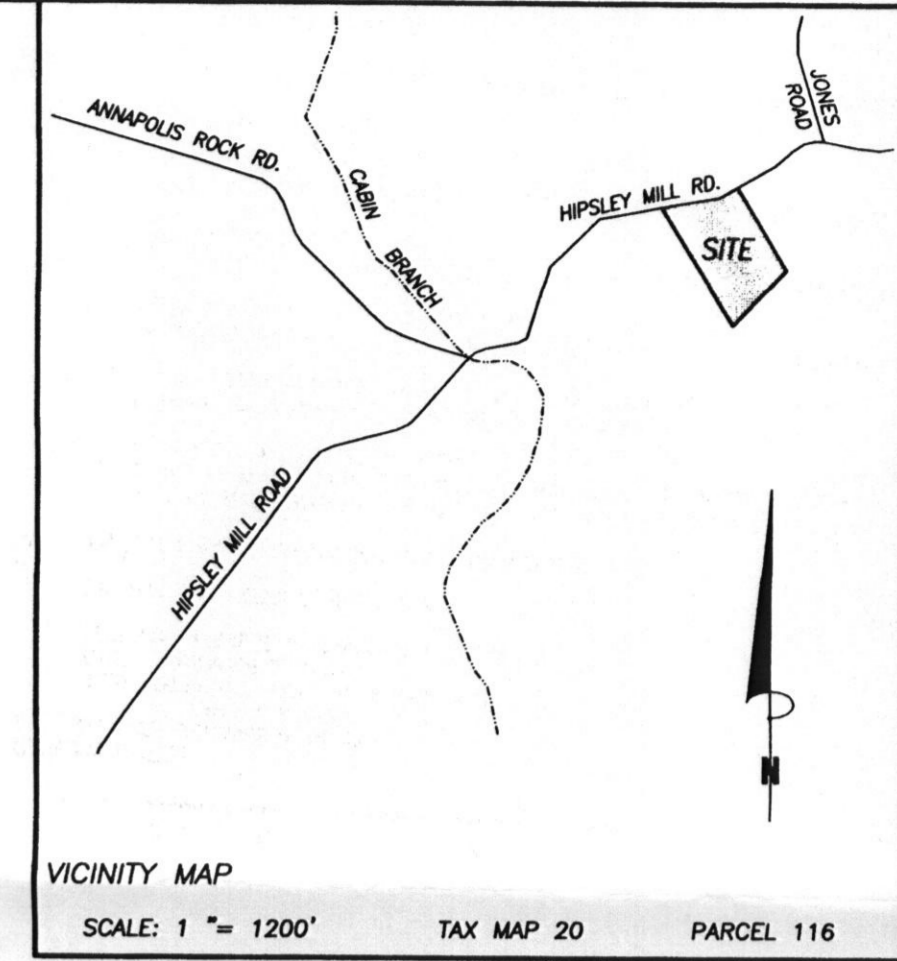
The well (HO-73-3918) serving your residence appears to be in good condition. The 1-piece Metal cap is snug and the plastic conduit is snug inside the cap port.

If you have any questions regarding the content of this report, please contact me at the above address or by calling (410) 313-2691.

Respectfully,

  
Robert Bricker, RS, CPSS  
Well and Septic Program  
Development Coordination Section

Enclosures: Field Worksheets, location sketches  
Copy: file



- GENERAL NOTES:**
- OWNERS: ADRIANUS J. MEIJER  
AVIS A. MEIJER  
DEED REFERENCE: LIBER 1014 FOLIO 613  
DATE: SEPTEMBER 2, 1980  
GRANTOR: LOYAL E. & CONNIE W. GASSMAN
  - TAX MAP: 20 GRID: 3 PARCEL: 116
  - NEAREST POTABLE WATER SUPPLY: DAMASCUS DISTANCE: 5 MILES ±
  - THERE IS NO FLOOD HAZARD (100 YEAR FLOOD PLAIN) LOCATED ON THIS PROPERTY ACCORDING TO FEMA FLOOD INSURANCE RATE MAP, COMMUNITY PANEL #240044 00019 B, REVISED DECEMBER 4, 1986
  - TOPOGRAPHY: FROM HOWARD COUNTY GIS DATA, VERTICAL DATUM IS NAVD83. CONTOUR INTERVAL IS 2 FEET, FIELD SPOT-CHECKED BY VANMAR ASSOCIATES.
  - THERE ARE NO KNOWN WELLS OR SEPTIC SYSTEMS WITHIN 100' OF THE PROPERTY BOUNDARY UNLESS OTHERWISE SHOWN HEREON.
  - THE EXISTING WELL(S) SHOWN ON THIS PLAN HO-73-3918 HAS BEEN FIELD LOCATED AND ACCURATELY SHOWN.
  - SOIL TYPE: GgC (GAILA LOAM), GgB, GgC (GLENELG LOAM) HOWARD COUNTY SOILS MAP, GRID No. 313
  - ZONING DISTRICT: RC-DEO
  - ALL WELLS TO BE DRILLED PRIOR TO SUBMITTAL OF THE FINAL PLAT FOR 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.
  - THIS AREA DESIGNATES A PRIVATE SEWERAGE EASEMENT OF AT LEAST 10,000 SQUARE FEET AS REQUIRED BY MARYLAND STATE DEPARTMENT OF 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 PUBLIC SEWERAGE SYSTEM. RECONSTRUCTION OF A MODIFIED SEWERAGE EASEMENT SHALL NOT BE NECESSARY.
  - THE LOTS SHOWN HEREON COMPLY WITH THE MINIMUM OWNERSHIP WIDTH AND LOT AREAS REQUIRED BY THE MARYLAND DEPARTMENT OF THE ENVIRONMENT.
  - ANY CHANGES TO A PRIVATE SEPTIC AREA WILL REQUIRE A REVISED PERCOLATION CERTIFICATION PLAN.
  - PERCOLATION TEST LOCATIONS AND ORIGINAL SEPTIC RESERVE AREAS AS SHOWN ON PLAT 4628. ORIGINAL PERCOLATION TEST DATA WAS RECORDED BY THE HEALTH DEPARTMENT ON FEBRUARY 8, 1980 (A30513).
  - SEPTIC SYSTEM COMPONENT LOCATIONS ON PROPOSED LOT 14 ARE SHOWN AS BEST FIT FROM DATA RECORDED BY THE HEALTH DEPARTMENT AT INSTALLATION ON OCTOBER 21, 1981 (P31665).

**LEGEND**

(PASSED) PERCOLATION TEST SITE:

EXISTING WELL:

PROPOSED HOUSE SITE:

PROPOSED WELL SITE:

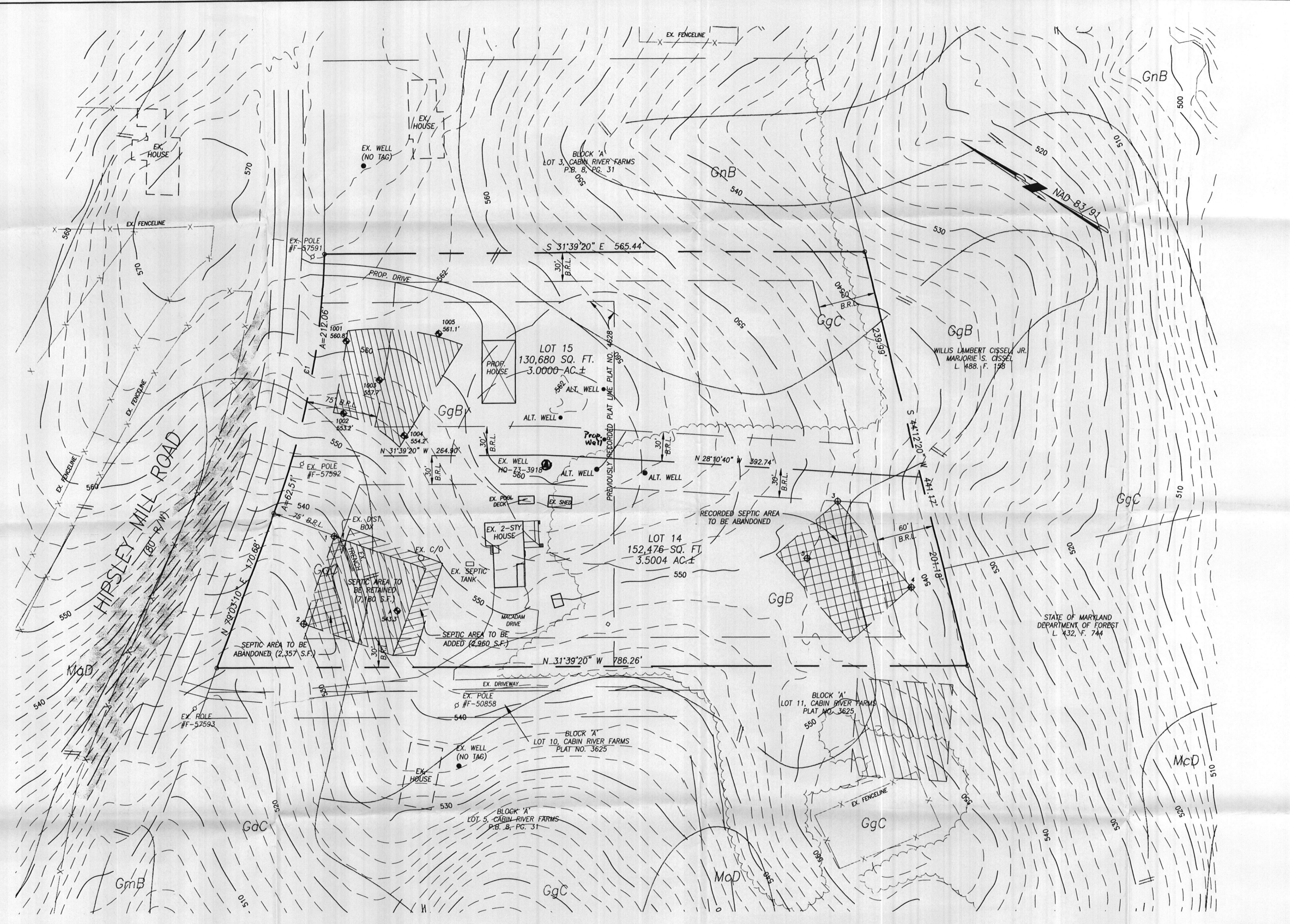
25% SLOPES:

SEPTIC AREA TO BE RETAINED:

RECORDED SEPTIC AREA TO BE ABANDONED:

NEW SEPTIC AREA TO BE ADDED:

Signed 1/13/10



CURVE DATA						
CURVE	RADIUS	ARC LENGTH	DELTA ANGLE	TANGENT	CHORD BEARING	CHORD LENGTH
C1	820.41'	274.56'	19°10'29"	138.58'	S 69°27'46" W	273.28'

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

*Adrianus J. Meijer*  
HOWARD COUNTY HEALTH OFFICER

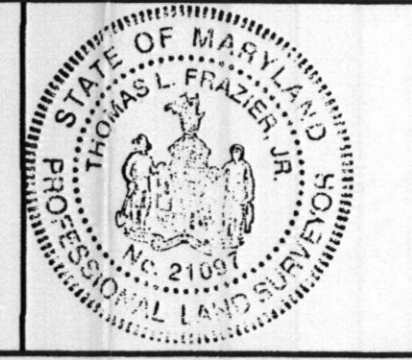
1/13/2010

OWNERS:  
ADRIANUS J. MEIJER  
AVIS A. MEIJER  
3561 HIPSELEY MILL ROAD  
WOODBINE, MARYLAND 21797  
(301) 854-6154

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

*Thomas L. Frazer, Jr.* 12/18/09  
THOMAS L. FRAZER, JR. PROF. L. S., M.D. REG. # 21097 DATE

DATE	REVISIONS
12/16/09	PER COMMENTS



**PERCOLATION CERTIFICATION PLAN**  
LOTS 14 AND 15  
**CABIN RIVER FARMS**  
A RESUBDIVISION OF LOTS 12 & 13  
AS PREVIOUSLY RECORDED IN PLAT NO. 4628  
SITUATED ON HIPSELEY MILL ROAD  
ELECTION DISTRICT No. 4  
HOWARD COUNTY, MARYLAND  
SCALE: 1" = 50' NOVEMBER, 2009

**VANMAR ASSOCIATES, INC.**  
Engineers Surveyors Planners  
310 South Main Street Mount Airy, Maryland 21771  
(301) 829-2890 (301) 831-5015 (410) 548-2751  
Fax (301) 831-5603 © Copyright, Latest Date Shown