



Howard County  
Health Department

# APPLICATION

## FOR PERCOLATION TESTING AND SITE EVALUATION

TEST DATE(S) \_\_\_\_\_ TEST TIME \_\_\_\_\_ A/P \_\_\_\_\_

AGENCY REVIEW \_\_\_\_\_ DATE \_\_\_\_\_

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 \_\_\_\_\_ 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) \_\_\_\_\_

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

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

APPLICANT \_\_\_\_\_

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 \_\_\_\_\_ LOT NO. \_\_\_\_\_

PROPERTY ADDRESS \_\_\_\_\_  
STREET TOWN/POST OFFICE

TAX MAP PAGE(S) \_\_\_\_\_ GRID \_\_\_\_\_ PARCEL(S) \_\_\_\_\_ PROPOSED LOT SIZE \_\_\_\_\_

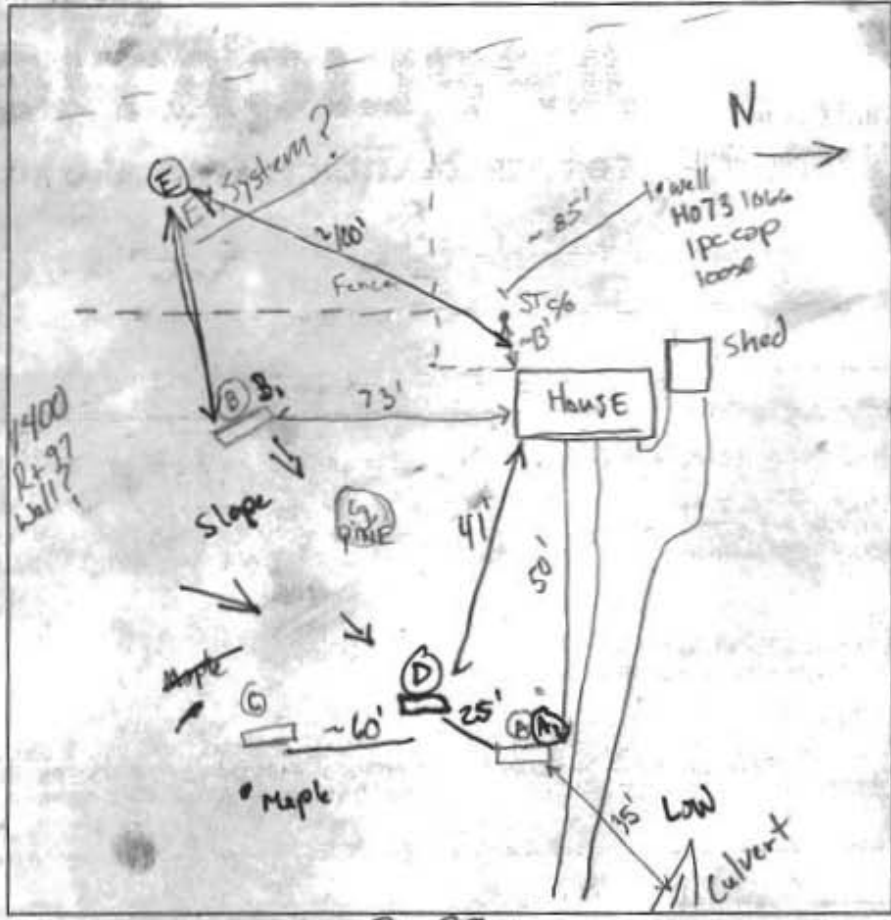
AS APPLICANT, I UNDERSTAND THE FOLLOWING: THE SYSTEM INSTALLED SUBSEQUENT TO THIS APPLICATION IS ACCEPTABLE ONLY UNTIL PUBLIC SEWERAGE IS AVAILABLE. THIS APPLICATION IS COMPLETE WHEN ALL APPLICABLE FEES AND A SUITABLE SITE PLAN HAVE BEEN RECEIVED. I ACCEPT THE RESPONSIBILITY FOR COMPLIANCE WITH ALL M.O.S.H.A. 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

AVP

**(A)**  
 1 7.5YR 4/4  
 1m  
 7.5YR  
 5 3mm 4/4  
 1m  
 5YR 5/6  
 6 1m - 5.2m  
 5YR 5/8  
 No evidence of H<sub>2</sub>O



**(D)**  
 1 AP Brown Lm 7.5YR 4/4  
 5YR 5/6 Yellow Red  
 4 1m - FSL  
 5YR 5/8 Yellow Brown  
 6 1m - FSL  
 5YR 4/6 Yellow Red  
 13 Weak - Strong  
 14 Variable Saprolites  
 E  
 18 Brun Lm  
 Str. Brun  
 4' Red - Yellowish Red - Reddish Yellow Fine Lm

**(B)**  
 1 AP Brown Lm  
 1 1m 7.5YR  
 3 1/6 Str. Brown Cr  
 6 1m - 5.2m  
 5YR 5/6 Yellowish Red  
 Some Red  
 Yellow - 5% Saprolite  
 12 1/2 Str. 5.2m  
 ~25% Sap.

**(C)**  
 1 AP Brown Lm  
 2 1m 5YR 5/6  
 4 1m 5YR 5/6 Yellow Red  
 FSL  
 ~25% Cobble Ry  
 5YR 5/6  
 9 MSL  
 ~10% Cherty Frag  
 5YR 5/6

Rt 97

DATE	TEST #	DEPTH	START	BREAK 1" DROP	STOP 2" DROP	TIME OF 2ND INCH	P/F/H
11/2/06	A	5.5/13	9:44	Pulled	@ 10:15 Slow		H
	B	4.5/12	10:12	10:27	11:02	35m	F → Deeper
	C	5'/12	10:42	10:45	10:51	6m	P
	B <sub>1</sub>	5'/12	11:06	11:12	11:26	14m	P
	A <sub>1</sub>	6.5/13	11:28	Pulled	@ 11:55 No movement		F
	D	6'/14'	12:03	12:07	12:12	5m	P
	Auger Test	E	V/9'				P

REMARKS Hole A No good on Drivewayside - profile for other  
 SANITARIAN GAC/AT BACKHOE South Carroll OTHERS Bornie Maryland Custom Homes  
 TEST HOLES USED IN SDA \_\_\_\_\_ AVG. PERC TIME \_\_\_\_\_ SQ. FT./BR \_\_\_\_\_  
 TRENCH WIDTH \_\_\_\_\_ INLET DEPTH \_\_\_\_\_ MAX. BOT DEPTH \_\_\_\_\_ EFFECTIVE SW \_\_\_\_\_



# APPLICATION

## FOR PERCOLATION TESTING AND SITE EVALUATION

TEST DATE(S) \_\_\_\_\_ TEST TIME \_\_\_\_\_ AP 525589  
AGENCY REVIEW: \_\_\_\_\_ DATE 10/5/06

DO NOT WRITE ABOVE THIS LINE

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

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IS THE PROPERTY WITHIN 2500' OF ANY RESERVOIR?

- YES
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PROPERTY OWNER(S) Jill Sezis

DAYTIME PHONE 410 442 2620 CELL \_\_\_\_\_ FAX \_\_\_\_\_

MAILING ADDRESS 1390 Rt. 97 Sykesville Md 21784  
STREET CITY/TOWN STATE ZIP

APPLICANT Maryland Custom Craft, Inc. Bernie Schulman

DAYTIME PHONE 410 340 1160 CELL 410 340 1160 ~~FAX~~ 410 302 4231

MAILING ADDRESS 614 Milford Mill Rd Pikesville MD 21208  
STREET CITY/TOWN STATE ZIP

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

PROPERTY LOCATION  
SUBDIVISION/PROPERTY NAME \_\_\_\_\_ LOT NO. 1

PROPERTY ADDRESS 1390 Rt. 97 Sykesville MD 21784  
STREET TOWN/POST OFFICE

TAX MAP PAGE(S) 8 GRID \_\_\_\_\_ PARCEL(S) 318 PROPOSED LOT SIZE 1 +/-

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. Bernie Schulman  
SIGNATURE OF APPLICANT

HOWARD COUNTY HEALTH DEPARTMENT, BUREAU OF ENVIRONMENTAL HEALTH, WELL AND SEPTIC PROGRAM  
3525-H ELLICOTT MILLS DRIVE, ELLICOTT CITY, MARYLAND 21043-4544 (410) 313-1771 FAX (410) 313-2648  
TDD (410) 313-2323 TOLL FREE 1-877-4MD-DHMH



# APPLICATION

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DAYTIME PHONE 410 442 2620 CELL \_\_\_\_\_ FAX \_\_\_\_\_

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STREET CITY/TOWN STATE ZIP

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STREET TOWN/POST OFFICE

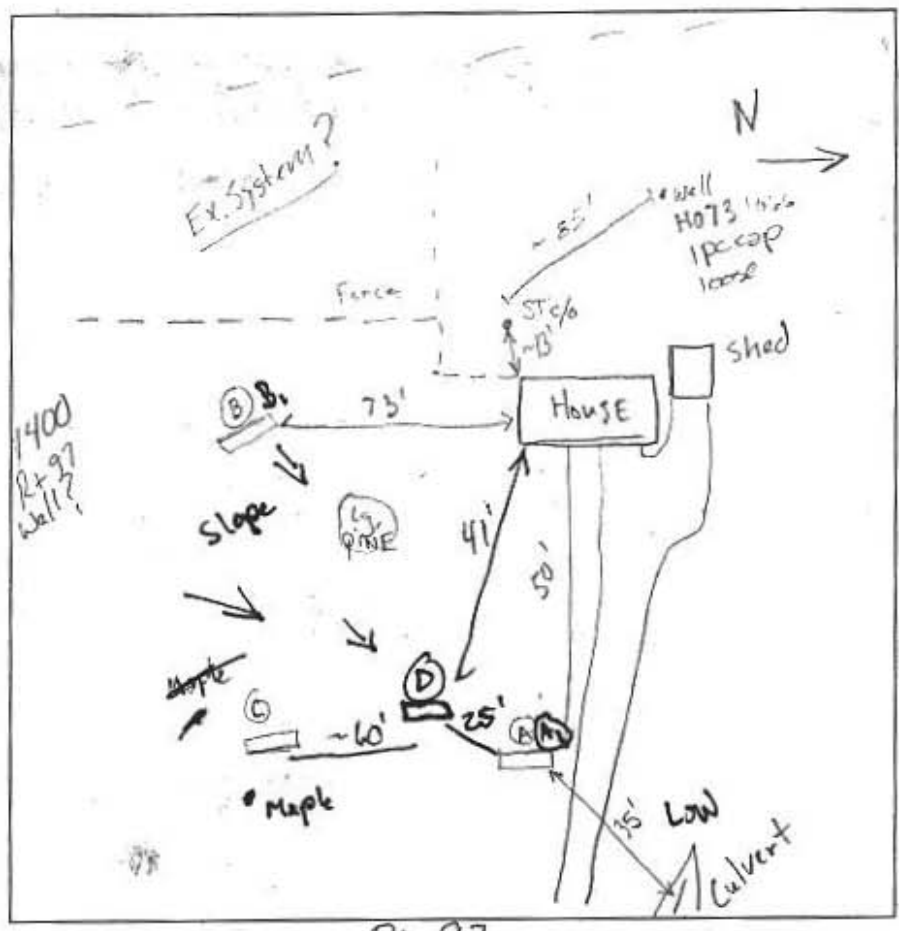
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AP  
 (A)  
 1 Lm 7.5YR 4/4  
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 5 7.5YR  
 8mm 4/4  
 LM-CIM  
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 LM-Solm  
 5YR 5/8  
 No evidence of 1120



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 1m-FSL  
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 14 Varied Saprolites

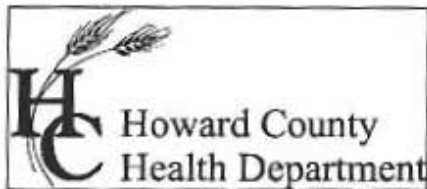
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Rt 97

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REMARKS Hole A No good on Drivewayside - profile for other  
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 TRENCH WIDTH \_\_\_\_\_ INLET DEPTH \_\_\_\_\_ MAX. BOT DEPTH \_\_\_\_\_ EFFECTIVE SW \_\_\_\_\_



Bureau of Environmental Health  
7178 Columbia Gateway Drive Columbia, Maryland 21046-2132  
(410) 313-2640 Fax (410) 313-2648  
TDD (410) 313-2323 Toll Free 1-866-313-6300  
website: www.hchealth.org

Penny E. Borenstein, M.D., M.P.H., Health Officer

August 17, 2006

Attn: Bernie Schulman  
Maryland Custom Craft, Inc.  
614 Milford Mill Rd.  
Pikesville, Maryland 21208

RE: PERCOLATION TEST RESULTS,  
A-525589  
Jill Sears Property  
1390 Rt. 97  
Sykesville, MD 21784

Dear Mr. Schulman,

Percolation testing conducted November 2, 2006 on the referenced property indicated satisfactory soil conditions. Copies of the test results are enclosed. Please note that the recommended depth of trench and usable sidewall for subsequent system design are based on observed soil properties and characteristics at this location as well as the particular soil material tested. Installation of the upgraded septic system to specifications to accommodate the enlargement of the house will be required prior to building permit issuance. In addition, the installation of a sanitary two-piece well cap on the existing well is also required.

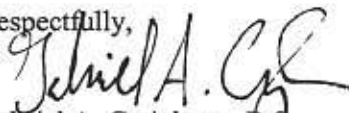
Regarding current status of testing and results for 1390 Rt. 97, further review is contingent upon submission by a registered engineer/surveyor of a Percolation Certification Plan, drawn to a useable scale (1:30 to 1:100), that includes the following items:

1. Identification of the property, road, street address if applicable, tax map page, parcel number, subdivision name (if appropriate); add purpose statement as appropriate, e.g. subdivision, SDA adjustment, etc.
2. Name, address and telephone number of each owner, developer and the plan author.
3. The date the plan was drawn, the plan scale (1:30 - 1:100), a scaled vicinity map and the A # (percolation test fee receipt number, referenced in the HCHD correspondence- see above).
4. Health Officer Signature block conditioned with the statement, "Approved for private water and private sewerage systems".
5. Existing and proposed property lines.
6. All excavated test holes observed by HCHD inspector, identified according to the alphanumeric identifier on the percolation test notes.
7. Actual surveyed elevation (not based on County Aerial topography) of each test hole.
8. Legend symbols to distinguish holes, which passed, failed, or were held for re-review (e.g., for wet season).
9. Legend symbols to distinguish between existing holes previously documented and new holes.
10. Proposed minimum 10,000 sq. ft. SDA encompassing the percolation test holes for the lot that does not encroach upon any setback described by regulation. See # 22 for most applicable setbacks
11. A table detailing existing number of bedrooms, proposed number of bedrooms and total SDA area in square feet.
12. Field verified (field run) topography at 2-foot vertical intervals and statement certifying field verification of topographic features.

13. Existing structures, wells, septic easements and other septic system components such as tanks, dry wells and distribution boxes. Description of use and intent designated for each item, e.g. 'to remain' or 'remove'. Existing septic system components must be pumped free of sewage and filled with dirt after the installation of new components.
14. The existing well serving the existing house labeled HO-73-1066
15. Identification of streams, ponds, wetlands, floodplains, slopes >25%, soil types and soil type boundaries.
16. Proposed structure footprint with Building Restriction Lines as determined by other County agencies.
17. All existing wells, septic systems and sewage disposal easements on or within 100 feet of property boundaries and a certification note stating that all are shown (Pay special attention to 1400 Rt. 97, 1380 Rt. 97 and 1389 Rt. 97).
18. Professional seal or signed statement that "I certify that the information shown heron is based on field work performed by me or under my direct supervision, and is correct, to the best of my knowledge and belief."
19. MDE sewage easement statement with appropriate shading to match that of proposed SDA(s). (10,000 ft. requirement not applicable if lot(s) were created before March 1972)
20. Certification of compliance with MDE ownership width requirements. (Applicable to proposed subdivisions and retests of lots created after November 1985, only).
21. If adjustment of previously approved SDA, show area gained, area lost, and final SDA; calculate square footage for each; and shade any area to be abandoned differently than any new SDA to be established.
22. Minimum required distances – well to house = 30'; well to SDA/septic components = 100'; SDA to house = 20'; well or SDA to lot lines = 10'; SDA to slopes >25% = 25'; SDA to road grading = 15'; SDA to water bodies = 100'.

If you have any questions regarding this matter, please contact me at the above address or by calling (410) 313-1771.

Respectfully,



Gabriel A. Creighton., R.S.

Well and Septic Program

Development Coordination Section

Enclosure; Percolation test notes

Cc: 6110 Park Heights Ave., Baltimore, MD 21215

File

### SOILS LEGEND

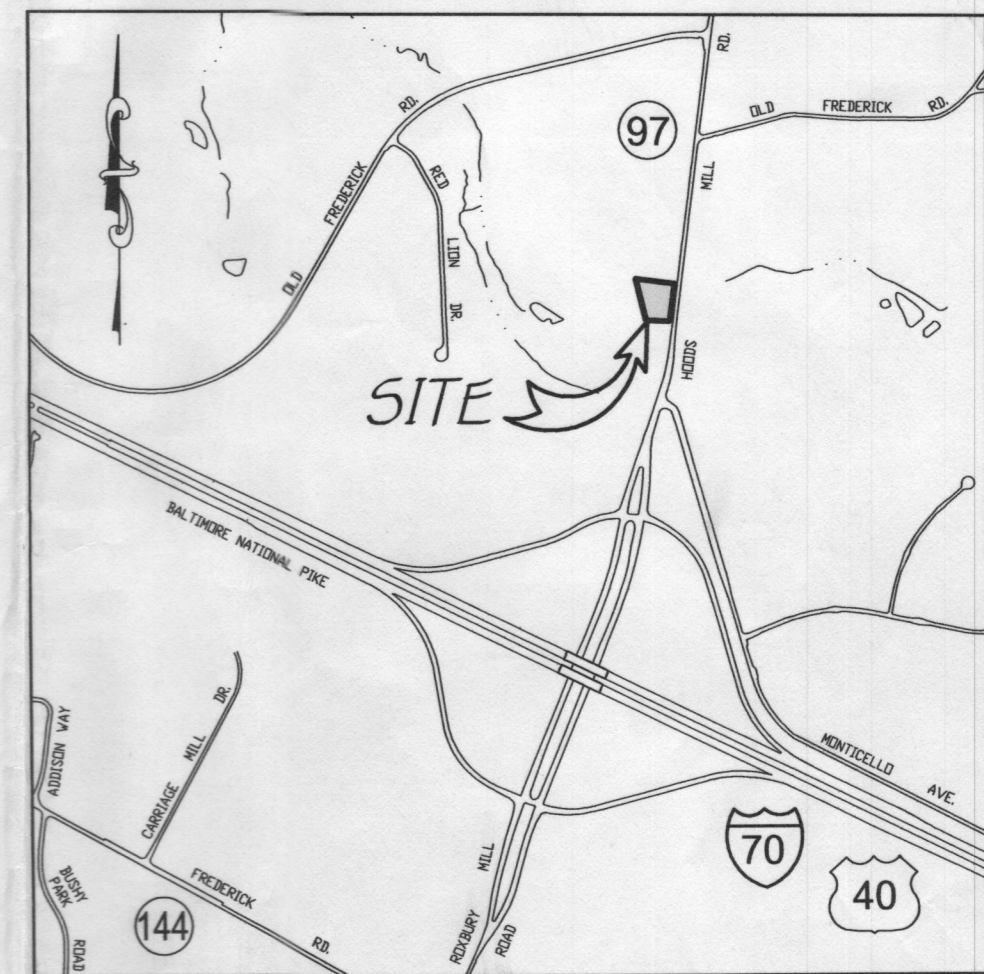
SOIL	NAME	CLASS
GgB	Glenelg loam, 3 to 8 percent slopes	B
GgC	Glenelg loam, 8 to 15 percent slopes	B
GnB	Glenville-Baile silt loams, 0 to 8 percent slopes	C

**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
- GLB2  
MLC2 SOIL LINES AND TYPES
- ⊙ DENOTES EXISTING WELL
- F DENOTES FAILED PERC
- DENOTES PASSED PERC
- ⊠ DENOTES EXISTING HOUSE
- DENOTES 15%-24.9% SLOPES
- DENOTES 25% AND GREATER SLOPE



### GENERAL NOTES:

1. THIS AREA DESIGNATES A PRIVATE SEWERAGE EASEMENT OF AT LEAST 8,718 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 THE BEST AVAILABLE INFORMATION.
5. ALL HOUSE SITES SHOWN COMPLY WITH MINIMUM BUILDING RESTRICTION REGULATIONS.
6. TOPOGRAPHY SHOWN IS FIELD RUN BY FISHER COLINS AND CARTER
7. BOUNDARY OUTLINE BASED ON AVAILABLE DEED OF RECORD WITHOUT THE BENEFIT OF A FIELD SURVEY AT THIS TIME.
8. ANY CHANGES TO A PRIVATE SEWERAGE EASEMENT SHALL REQUIRE A REVISED PERC CERTIFICATION PLAN

NOTE: THE EXISTING SEPTIC SYSTEM SHOWN IS APPROXIMATE BASED ON THE HEALTH DEPARTMENT AS BUILT ON AUGUST 22, 1975.

I:\060901\dwg\06090 PERC PLAN.dwg, 3/26/2007 7:37:12 AM, 1:1

**FISHER, COLLINS & CARTER, INC.**  
 CIVIL ENGINEERING CONSULTANTS & LAND SURVEYORS  
 CENTENNIAL SQUARE OFFICE PARK - 10272 BALTIMORE NATIONAL PIKE  
 ELLICOTT CITY, MARYLAND 21042  
 (410) 461-2855

APPROVED FOR PRIVATE WATER AND PRIVATE SEWERAGE SYSTEMS,  
 HOWARD COUNTY HEALTH DEPARTMENT.  
*Robert J. Walker*  
 COUNTY HEALTH OFFICER  
 4/3/07  
 DATE

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.  
*Terrell A. Fisher*  
 Signature of Professional Land Surveyor  
 Terrell A. Fisher, Professional Land Surveyor No. 10692  
 3/26/07  
 Date

**PERCOLATION CERTIFICATION PLAN**  
**JILL D. SEARS PROPERTY**

TAX MAP No. 8 ZONED: RC-DEO PARCEL 318 LOT 1  
 FOURTH ELECTION DISTRICT HOWARD COUNTY, MARYLAND  
 SCALE: 1"=40' DATE: MARCH 26, 2007  
 A-525589

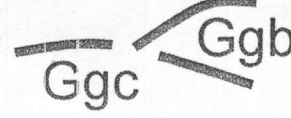
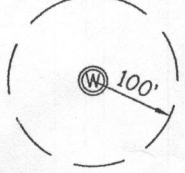

# SOILS LEGEND

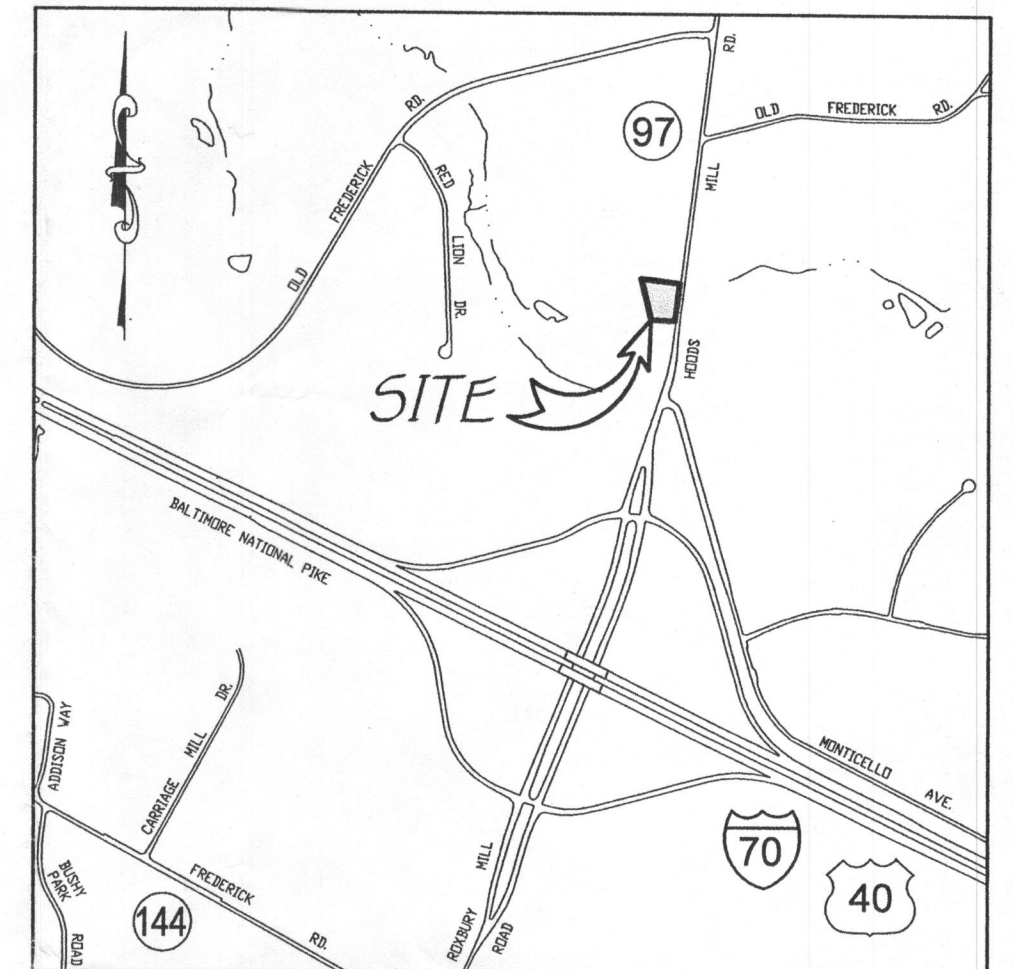
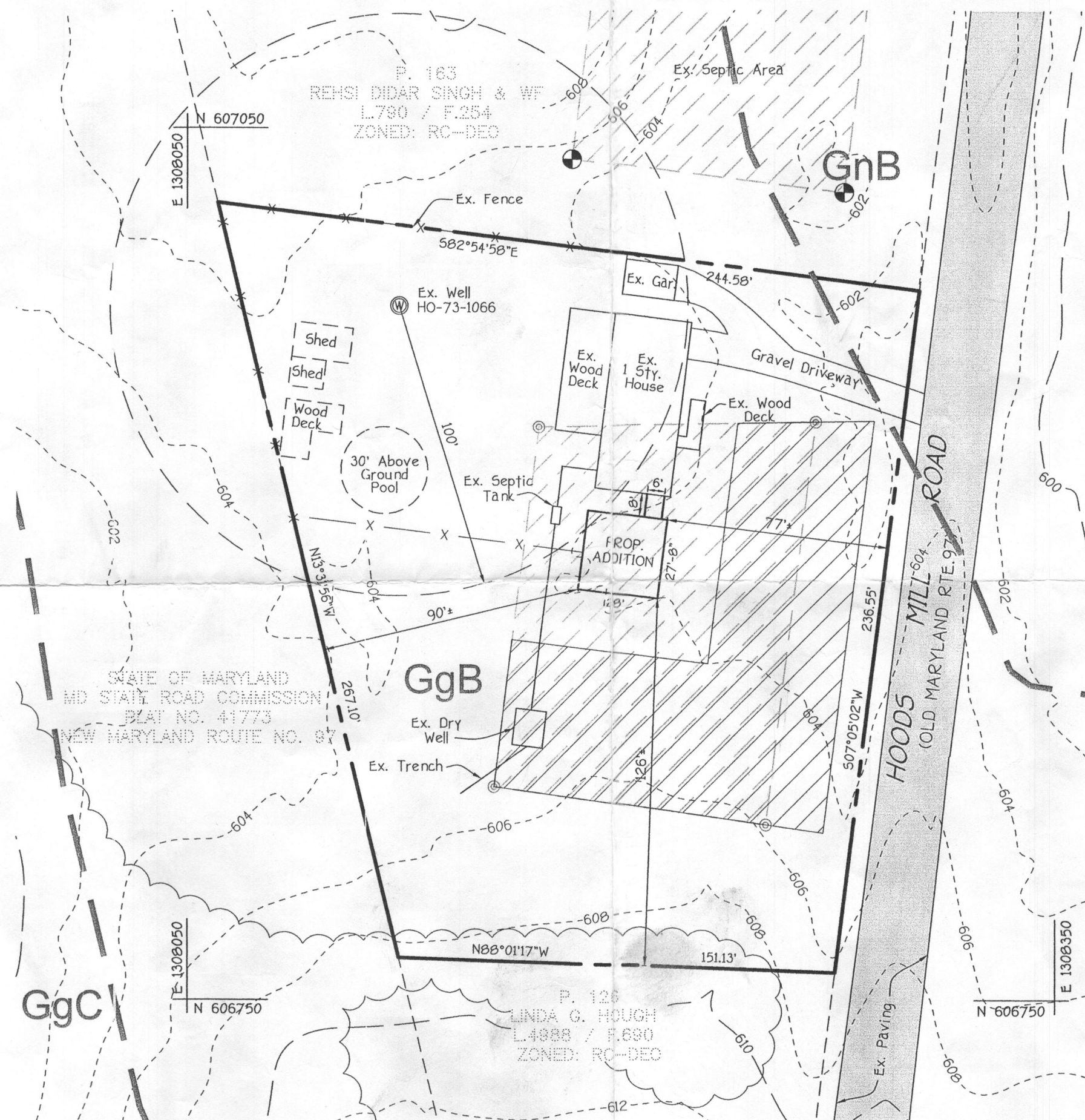
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

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**LEGEND**

-  SOILS TYPE
-  EX. WELL LOCATION
-  EX. SEPTIC AREA



**GENERAL NOTES**

1.  THIS AREA DESIGNATES A PRIVATE SEWERAGE EASEMENT OF 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 VARIANCES FOR ENCROACHMENT INTO THE PRIVATE SEWERAGE EASEMENT. RECORDATION OF A MODIFIED SEWERAGE EASEMENT SHALL NOT BE NECESSARY.
2. THE LOT SHOWN HEREON COMPLY WITH THE MINIMUM OWNERSHIP WIDTH AND LOT AREA AS REQUIRED BY THE MARYLAND STATE DEPARTMENT OF THE ENVIRONMENT.
3. ALL WELL AND SEPTIC SYSTEMS WITHIN 100 FEET OF THE PROPERTY HAVE BEEN SHOWN.
4.  DENOTES PASSED PERC HOLE LOCATION

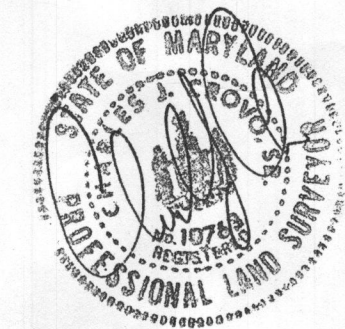
NOTE: THE EXISTING SEPTIC SYSTEM SHOWN IS APPROXIMATE BASED ON THE HEALTH DEPARTMENT AS BUILT ON AUGUST 22, 1975.

USED  
FOR  
TESTING

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.

\_\_\_\_\_  
Professional Land Surveyor Or Property Line Surveyor

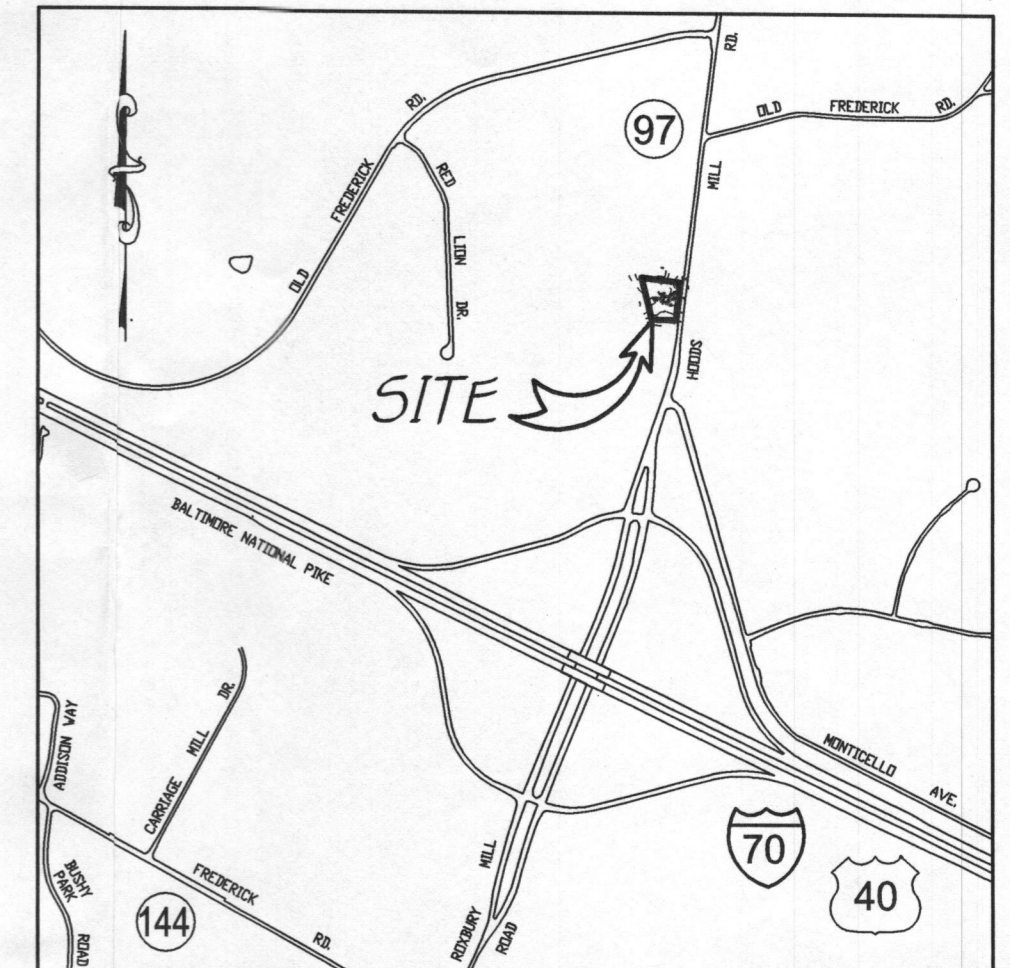
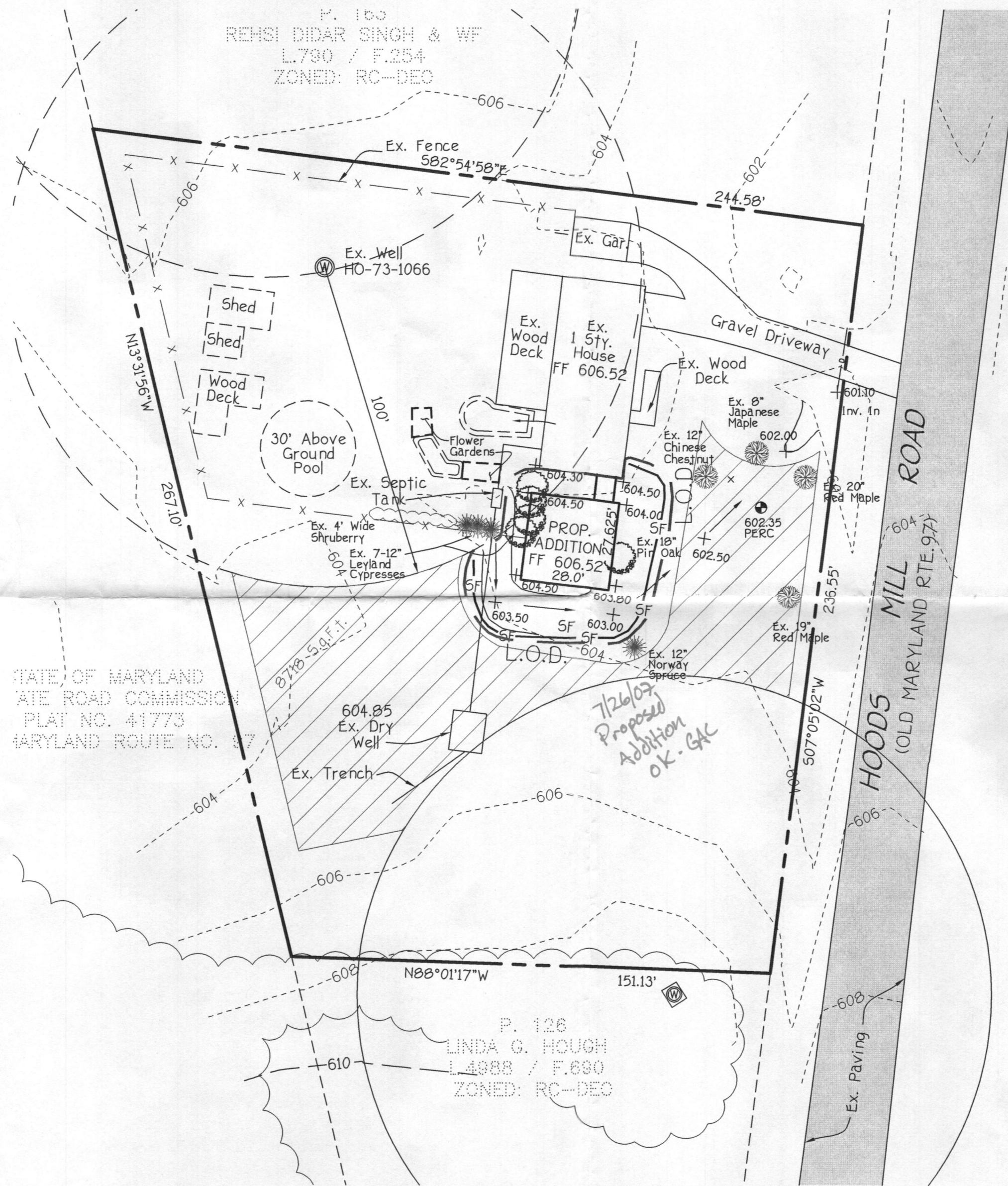
\_\_\_\_\_  
Date



**PERCOLATION CERTIFICATION PLAN**  
**JILL D. SEARS PROPERTY**

TAX MAP No. 8 ZONED: RC-DEO PARCEL 318 LOT 1  
FOURTH ELECTION DISTRICT HOWARD COUNTY, MARYLAND  
SCALE: 1"=40' DATE: SEPTEMBER 25, 2006

LEGEND	
SYMBOL	DESCRIPTION
---	EXISTING CONTOUR 2' INTERVAL
- - - -	PROPOSED CONTOUR 2' INTERVAL
+602.50	SPOT ELEVATION
-SF -SF-	SILT FENCE
LOD	LIMIT OF DISTURBANCE
☀	EXISTING SHADE TREE
☀	EXISTING EVERGREEN TREE
○	EXISTING TREES TO BE REMOVED



**GENERAL NOTES:**

1. SUBJECT PROPERTY IS ZONED: RC DEO.
2. EXISTING TOPOGRAPHY SHOWN WAS FIELD RUN BY FISHER, COLLINS AND AND CARTER, INC. IN JANUARY OF 2007.
3. TOTAL AREA OF DISTURBANCE: 2,810 S.F.

STATE OF MARYLAND  
 ATE ROAD COMMISSION  
 PLAT NO. 41773  
 MARYLAND ROUTE NO. 97



1390 HOODS MILL ROAD  
 PLOT PLAN  
**JILL D. SEARS PROPERTY**

TAX MAP No. B ZONED: RC-DEO PARCEL 318 LOT 1  
 FOURTH ELECTION DISTRICT HOWARD COUNTY, MARYLAND

SCALE: 1"=40'

DATE: MAY 11, 2007