



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 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) Donald & Catherine Carter

DAYTIME PHONE _____ CELL _____ FAX _____

MAILING ADDRESS 14630 Old Frederick Rd. Woodbine MD 21797
STREET CITY/TOWN STATE ZIP

APPLICANT Donald & Catherine Carter

DAYTIME PHONE _____ CELL _____ FAX _____

MAILING ADDRESS 14630 Old Frederick Rd Woodbine MD 21797
STREET CITY/TOWN STATE ZIP

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

PROPERTY LOCATION

SUBDIVISION/PROPERTY NAME HBL Properties INC, Property LOT NO. 4

PROPERTY ADDRESS 14630 Old Frederick Rd Woodbine MD 21797
STREET TOWN/POST OFFICE

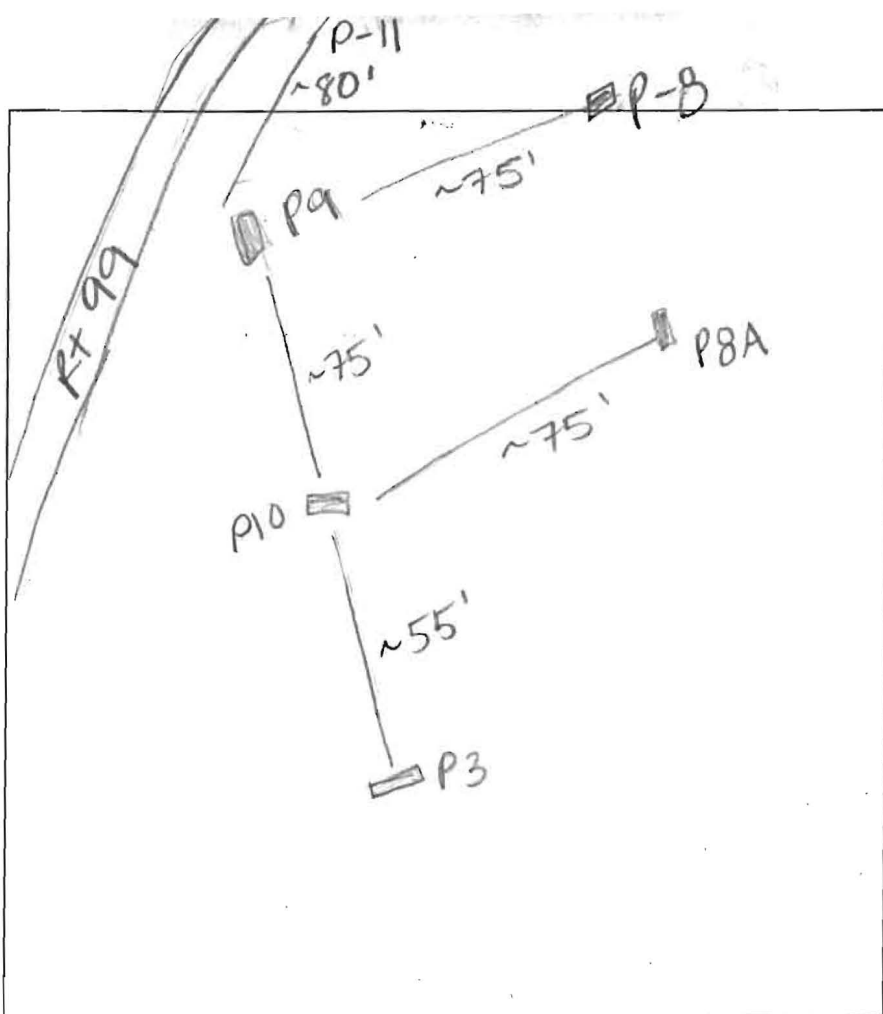
TAX MAP PAGE(S) 8 GRID 10 PARCEL(S) 360 PROPOSED LOT SIZE 3.53Ac

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.

Catherine Carter
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



A/P

P10

1' bml
VFI
SCL

3.5' brn
VBI
CL

6' 80% rx
HB

P8A

3' org brn
vehcl

5.5' org brn
vet scl

7' brn
VFI
SCL
65-70%
rx

P9

3' org brn
vehcl

5' brn
chsl

14' brn
chsl
resap

P8

6" bml

3' org brn
vehcl

5.5' brn
fisl
SCL

7' brn
VFI
SCL
65-70%
rx

P11

10" brn

5' org brn
chsl

15' org brn
fisl
25% rx

13' 80% rx
HB

P15

14" brn
SBR

45' org/red
brn scl
2 ccbk

7.5' yellow brn
SI saprolite

brn
fisl
saprolite

~10'
20% rx

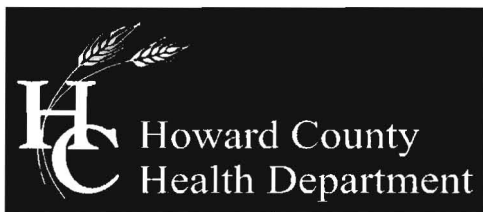
DATE	TEST #	DEPTH	START	BREAK 1" DROP	STOP 2" DROP	TIME OF 2ND INCH	P/F/H
3-15-13	P10	8'	VISUAL				F
	P8A	7'	VISUAL				F
	P9	4' 14'	1:32	1:53	1:20	27	P
	P8	7'	VISUAL				F
	P11	5' 12'	2:11	2:31	2:53	22	P
	P15	5.5' 13.5'	1:55	2:03	2:13	10	P
	P15 - center hole dug in old easement for ex. house						

REMARKS P-15 center of old easement ~100' from well

SANITARIAN HS BACKHOE Hatfields OTHERS owner

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
(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

March 20, 2013

To: Donald & Catherine Carter
Applicants

RE: Perc Test Report, [14630 Old Frederick Road; HBL Properties]; A#544543

Percolation testing was conducted on the referenced property on March 15th, 2013. The purpose for conducting these percolation tests was to delineate septic reserve area for two lots.

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. Soil conditions either satisfactory or unsatisfactory for onsite wastewater disposal were observed at the specified test locations. 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.

Soil conditions observed were unsatisfactory and satisfactory for onsite wastewater treatment and disposal. Restrictions included deep clays and insufficient depth to rock and water. A total of 12 percolation tests were conducted. Tests P3, P7, P9 & P11 passed on proposed lot 5. A center test (P15) was dug within an existing septic easement on proposed lot 4. This test location passed.

The existing septic tank and drywell were located at the time of perc testing. The drywell is located under the existing driveway. Prior to approval of a record plat the existing septic system must be brought up to code and must be located within the approved septic area.

Field data collected are shown on Percolation Test Worksheets enclosed with this letter. Recommended Inlet and Trench Bottom depths, and Usable Sidewall all are based on observed soil properties and characteristics at respective test locations as well as the particular soils materials tested. The values for the drainfield parameters will be documented during the Percolation Certification Plan process, and then maintained in the Health Department file for the subject property.

Additional field review of well or septic system conditions may be required at any time during this process. If you have any questions regarding this evaluation or requirements for the Percolation Certification Plan or Site Plan, please contact me at the above address or by calling (410) 313-6287.

Respectfully,

Heidi Scott, R.S.
Environmental Sanitarian
Well and Septic Program

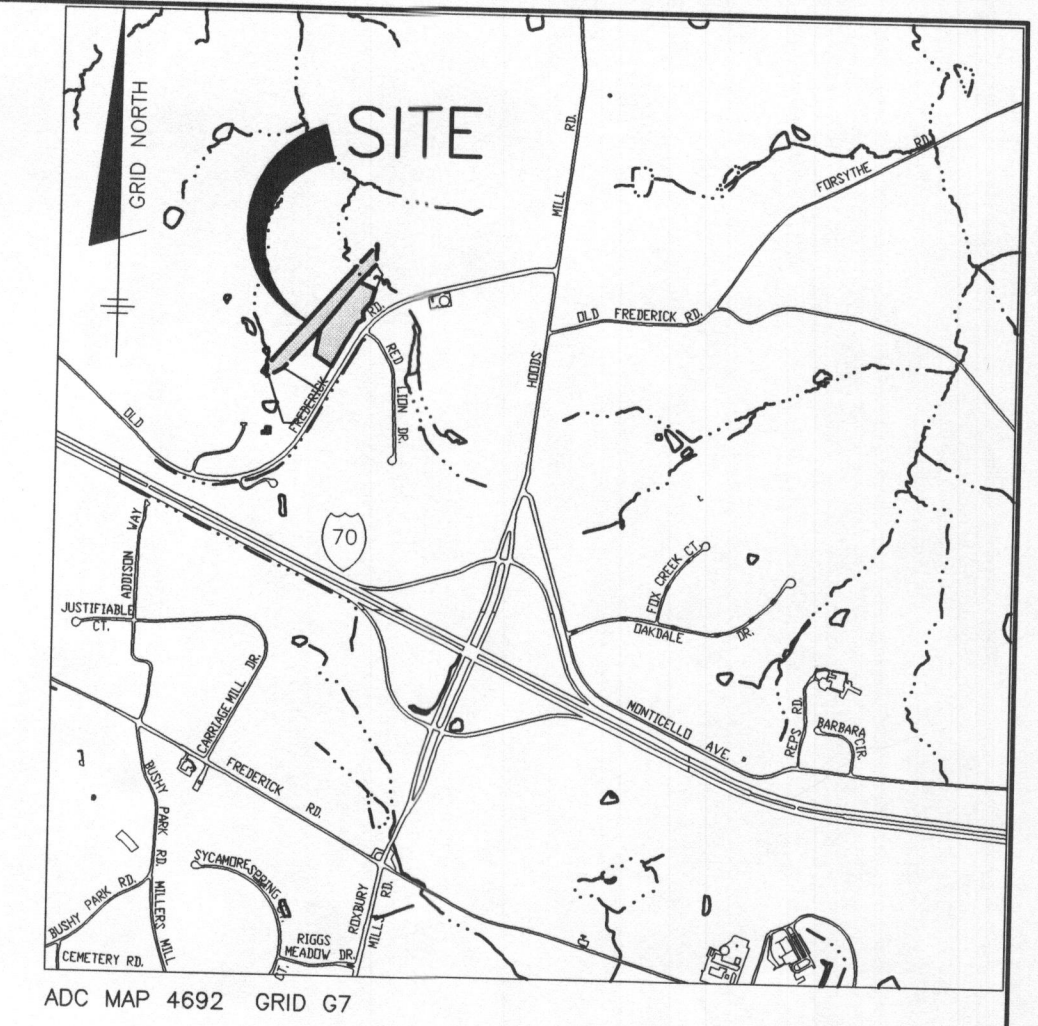
Copy: John Carney; Benchmark Engineering

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 KNOWLEDGE AND BELIEF.

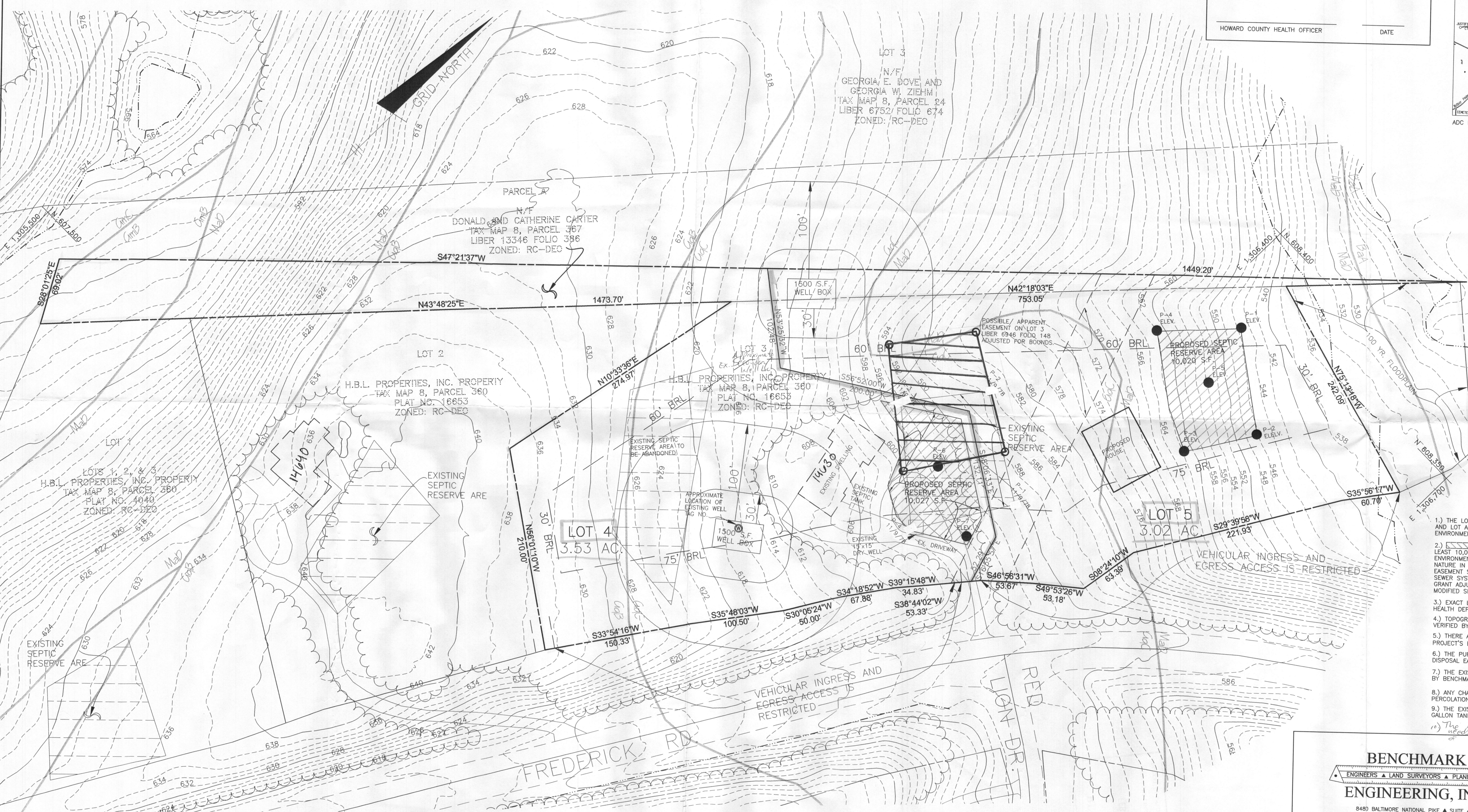
John Carney 2-13-13
 JOHN CARNEY FOR BENCHMARK ENGINEERING INC.
 PLAN PREPARER

APPROVED FOR PRIVATE WATER AND SEWERAGE SYSTEM
 HOWARD COUNTY HEALTH DEPARTMENT

HOWARD COUNTY HEALTH OFFICER _____ DATE _____



VICINITY MAP
 SCALE: 1" = 2000'



GENERAL NOTES

- 1.) THE LOT SHOWN HEREON COMPLY WITH THE MINIMUM OWNERSHIP WIDTH AND LOT AREA AS REQUIRED BY THE MARYLAND STATE DEPARTMENT OF THE ENVIRONMENT.
- 2.) THIS AREA DESIGNATES A PRIVATE SEWERAGE EASEMENT OF AT LEAST 10,000 S.F. 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 SEWER IS AVAILABLE. THIS EASEMENT SHALL BECOME NULL AND VOID UPON CONNECTION TO A PUBLIC SEWER SYSTEM. THE COUNTY HEALTH OFFICER SHALL HAVE THE AUTHORITY TO MAKE ADJUSTMENTS TO THE PRIVATE SEWERAGE EASEMENT. RECORDATION OF A MODIFIED SEWERAGE EASEMENT PLAT SHALL NOT BE REQUIRED.
- 3.) EXACT LENGTH OF SEPTIC TRENCHES IS TO BE DETERMINED BY THE HEALTH DEPARTMENT AT THE TIME OF TRENCH LAYOUT AND INSPECTION.
- 4.) TOPOGRAPHY SHOWN IS BASED ON HOWARD COUNTY GIS AND IS TO BE VERIFIED BY BENCHMARK ENGINEERING, INC.
- 5.) THERE ARE NO EXISTING WELLS OR SEPTIC SYSTEMS WITHIN 100' OF THIS PROJECT'S BOUNDARY EXCEPT AS NOTED.
- 6.) THE PURPOSE FOR THIS PERCOLATION TEST PLAN IS TO CREATE SEWAGE DISPOSAL EASEMENTS AND WELL BOXES FOR LOTS 4 AND 5.
- 7.) THE EXISTING WELL, HO-_____, SHOWN ON THIS PLAN IS TO BE LOCATED BY BENCHMARK ENGINEERING, INC.
- 8.) ANY CHANGES TO A PRIVATE SEWERAGE EASEMENT SHALL REQUIRE A REVISED PERCOLATION CERTIFICATION PLAN.
- 9.) THE EXISTING SEPTIC TANK WILL HAVE TO BE REMOVED AND A NEW 2,000 GALLON TANK IS REQUIRED.
- 10.) The well that is northwest of the house needs to be located at the time of perc test.

PLAN
 SCALE: 1" = 50'

LEGEND

- EXISTING CONTOURS
- EXISTING TREELINE
- LIMIT OF SUBMISSION
- PROPOSED SEPTIC AREA
- 1500 S.F. WELL BOX
- EXISTING SEPTIC AREA
- TEST HOLE
- EX. WELL
- PREVIOUSLY PASSED PERCOLATION TEST (11/9/78)
- SOILS DELINEATION

SOILS CHART - SOIL SURVEY HOWARD COUNTY, MARYLAND			
SYMBOL	HYDRIC	HYDROLOGIC GROUP	ALTERNATE GROUP
BaA*	YES	D	BAILLE SILT LOAM, 0 TO 3 PERCENT SLOPES
GgB	B	B	GLENELG LOAM, 3 TO 8 PERCENT SLOPES
GgC	B	B	GLENELG LOAM, 8 TO 15 PERCENT SLOPES
GmB*	YES	C	GLENVILLE SILT LOAM, 3 TO 8 PERCENT SLOPES
GmC	C	C	GLENVILLE SILT LOAM, 8 TO 15 PERCENT SLOPES
MaD	B	B	MANOR LOAM, 15 TO 25 PERCENT SLOPES

BENCHMARK
 ENGINEERS • LAND SURVEYORS • PLANNERS
ENGINEERING, INC.

8480 BALTIMORE NATIONAL PIKE • SUITE 418
 ELLICOTT CITY, MARYLAND 21043
 phone: 410-465-4105 • fax: 410-465-8644
 email: Benchmark@bceils.com

OWNER/DEVELOPER: DONALD W. CARTER AND CATHERINE CARTER 14630 OLD FREDERICK ROAD WOODBINE, MARYLAND 21797	PROJECT: H.B.L. PROPERTIES INC. LOT 3
LOCATION: TAX MAP: 8, DISTRICT: 10 PARCELS 360 AND 367 FOURTH ELECTION DISTRICT HOWARD COUNTY, MARYLAND	
TITLE: PERCOLATION TESTING PLAN	
DATE: FEBRUARY, 2013	PROJECT NO. 2469
DRAFT: JC DESIGN: JC CHECK: -	SCALE: 1" = 50' SHEET 1 OF 1