

# APPLICATION

## FOR PERCOLATION TESTING AND SITE EVALUATION

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

AP 545069

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

DATE 6-18-13

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 \_\_\_\_\_ 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) F. DERIC TOMENKO

DAYTIME PHONE 240 339 3399 CELL N/A FAX N/A

MAILING ADDRESS 800 MAPLEWOOD AVE. #1 TAKOMA PARK, MD 20912  
STREET CITY/TOWN STATE ZIP

APPLICANT BRIAN CLEARY / BENCHMARK ENG. INC.

DAYTIME PHONE 410 465 6105 CELL N/A FAX 410 465 6644

MAILING ADDRESS 8480 BALTIMORE PIKE SUITE 315 ELLICOTT CITY MD 21043  
STREET CITY/TOWN STATE ZIP

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

PROPERTY LOCATION

SUBDIVISION/PROPERTY NAME ~~13879 BRIGHTON DAM RD~~ LOT NO. —

PROPERTY ADDRESS 13879 BRIGHTON DAM RD, CLARKSVILLE, MD 21029  
STREET TOWN/POST OFFICE

TAX MAP PAGE(S) 34 GRID — PARCEL(S) 130 PROPOSED LOT SIZE 5/5

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  
1718 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

Brighton Dam Road

#13879

intermittent stream

North

R

Proposed Well Zone

4  
 dk brn L  
 to brn L, 2msbk  
 1'  
 brn stl, 2fsbk  
 2.2'  
 brn chsl, 2mpl  
 dense,  
 2.8'  
 red & brn ls, 1mpl  
 many mica  
 few channels  
 11.5'  
 pale brn ls  
 many mica  
 few flags  
 2cpl  
 15'  
 dry

3  
 dk grey-brn L  
 brn L  
 brn cl 2fsbk  
 com mica  
 1.8'  
 brn ch L  
 2.5'  
 yel-red chsl  
 2mpl (rock control)  
 11.5'  
 brn & yel-red  
 ls, 5-10%  
 channels  
 micaceous  
 11.5'  
 pale brn ls  
 micaceous  
 water-B.5

2  
 dk brn L  
 to brn L, 2fsbk  
 2.8'  
 brn cl, 2msbk  
 2.8'  
 yel-brn L, 1mpl  
 & red L  
 3.7'  
 brn sl, 1mpl  
 com. mica  
 5.8'  
 red fs, com  
 few mica  
 10'  
 mzd (yellow)  
 14'  
 red chls  
 micaceous

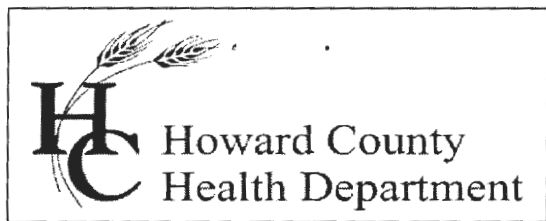
P-5  
 dk brn L  
 to brn L, 2msbk  
 2.8'  
 red & yel-red  
 chls, 2mpl  
 dense (rock structure)  
 many mica  
 3.3'  
 red & yel-red  
 chls, many mica  
 1mpl  
 6.7'  
 red ls  
 many mica  
 9'  
 red chls  
 1mpl, many  
 mica  
 13.8'

P-6  
 dk brn L  
 to brn L, 2fsbk  
 2.4'  
 brn L, 2msbk  
 red & yel-red sl  
 interlayered  
 w/ pale brn & red-yel  
 ls, 3cpl  
 common mica  
 4'  
 yel, red & yel-red ls  
 many mica  
 11.5'  
 red, blk & lt. grey  
 vchls, 3mpl  
 micaceous rock  
 control

1  
 dk brn L  
 to brn L, 2fsbk  
 1'  
 yel-red chsl  
 1mpl, micaceous  
 4'  
 brn & pale yellow  
 chls, 1mpl  
 11.5'  
 micaceous  
 pale brn ls  
 many mica

DATE	TEST #	DEPTH	START	BREAK 1" DROP	STOP 2" DROP	TIME OF 2ND INCH	P/F/H
1/31/14	5	5.8 / 13.8	10:04	10:09	10:17	8	P
1/31/14	6	5.5 / 11.5	10:21	10:24	10:30	6	P
1/31/14	4	7.2 / 11.5	10:38	10:40	10:43	3	P
1/31/14	3	5 / 11.5	10:58	11:00	11:03	3	P
1/31/14	1	5.5 / 11.5	11:18	11:22	11:29	7	P
1/31/14	2	7.8 / 14	11:40	11:50	12:05	15	P

REMARKS  
 SANITARIAN R Bricker BACKHOE Dannie (Hofffield) OTHERS Pedro, Haniel  
 TEST HOLES USED IN SDA \_\_\_\_\_ AVG. PERC TIME \_\_\_\_\_ SQ. FT/BR \_\_\_\_\_  
 TRENCH WIDTH \_\_\_\_\_ INLET DEPTH \_\_\_\_\_ MAX. BOT DEPTH \_\_\_\_\_ EFFECTIVE SW \_\_\_\_\_



**Bureau of Environmental Health**

8930 Stanford Blvd., Columbia, MD 21045  
Main: 410-313-1771 | 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

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

February 6, 2014

To: Brian Cleary, Benchmark Engineering, Inc.  
[bcleary@bei-civilengineering.com](mailto:bcleary@bei-civilengineering.com)

RE: Percolation Test Report; 13879 Brighton Dam Road

Percolation tests were conducted at 13879 Brighton Dam Road (Tax Map 34, Parcel 130) on January 31, 2014. Six test locations, '1' to '6', were staked in advance of the test date. The test area is bisected by a 152-foot wide pipeline right-of-way (R-O-W). Two tests were conducted south (uphill) of the R-O-W, and four tests were conducted north (downhill) of the R-O-W.

All six test locations 'PASS', having soils that are satisfactory for wastewater treatment and disposal. Locations of percolation tests that 'PASS' are used to define the sewage disposal area (SDA) proposed on the Percolation Certification Plan. The percolation test results and suitable area for wastewater discharge are certified by the Approving Authority's signature of the Percolation Certification Plan.

The Percolation Certification Plan must include illustration of the pipeline crossing which establishes access to the 'repair' area. The crossing may be installed before, or at the same time as, the installation of the initial system. Permission of the pipeline company (re: Williams Pipeline) for the crossing must be indicated by content of the Percolation Certification Plan.

If you have any questions regarding this evaluation or requirements for a Percolation Certification Plan or BAT Site Plan, please contact me by email or by calling (410) 313-2691.

Respectfully,

Robert Bricker, CPSS, REHS/RS, L.E.H.S.  
Environmental Sanitarian II  
Well and Septic Program

Enclosures: 1 PDF (Perc Test Application & 1 Field Worksheet)

Copy: F. Deric Tomenko, owner; [ftomenko@gmail.com](mailto:ftomenko@gmail.com)  
file



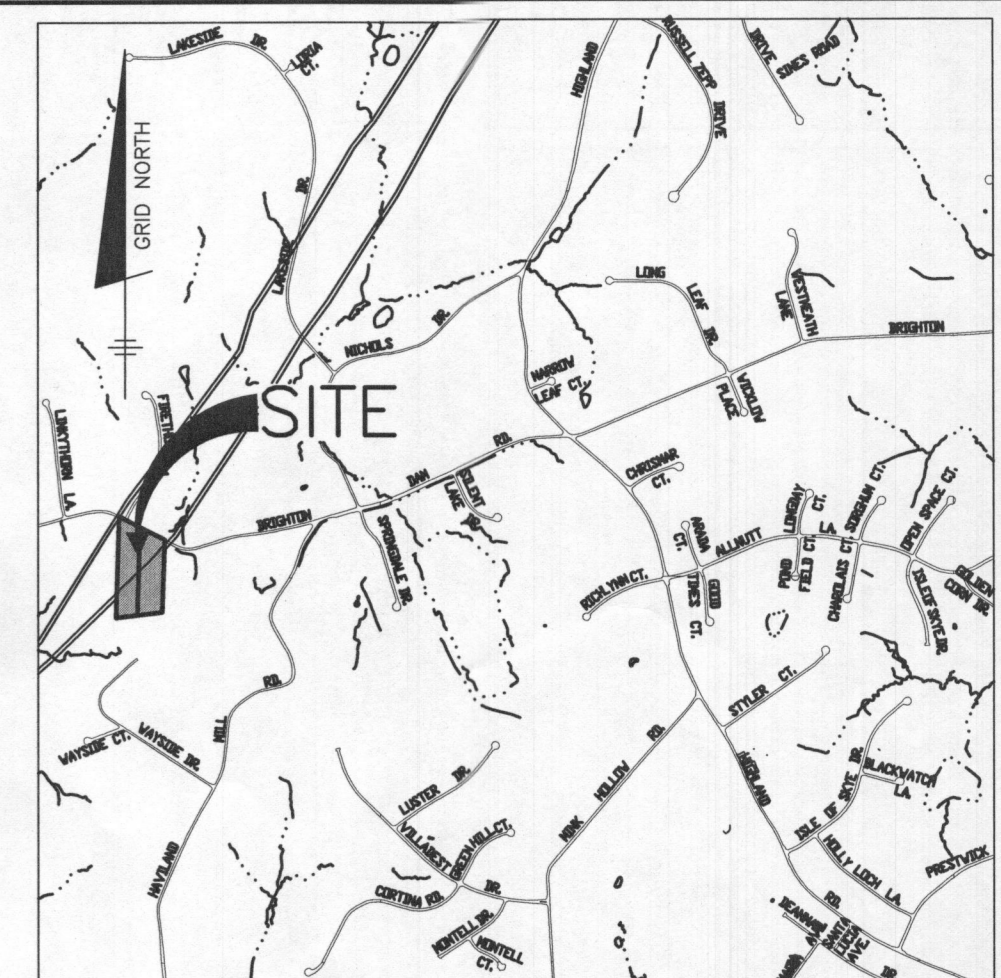
INV. AT HOUSE	502.00
GRD. AT INV. AT HOUSE	504.50
INV. IN BAT	501.52
INV. OUT BAT	501.19
TOP OF BAT	502.52
GROUND OVER BAT	505.00
INV. IN TANK	501.18
INV. OUT TANK	500.93
TOP OF TANK	502.01
GROUND OVER TANK	505.00
INV. IN DIST. BOX	483.50
INV. OUT DIST. BOX	483.20
GROUND AT BOX	487.00

**LEGEND**

SOILS CLASSIFICATION	ChB2	EXISTING STRUCTURE	[Symbol]	PASSED PERCOLATION TEST	○ P-10
SOILS DELINEATION	[Symbol]	PROPOSED STRUCTURE	[Symbol]	FAILED PERCOLATION TEST	● P-10
EXISTING CONTOURS (HOWARD COUNTY DIGITAL)	[Symbol]	EXISTING WELL FIELD SHOT	⊙ EX. WELL	PASSED PERCOLATION TEST	⊙ P-10
EXISTING WOODS LINE	[Symbol]	EXISTING SEPTIC FIELD	[Symbol]	PROPOSED WELL	[Symbol]
PROPOSED WOODS LINE	[Symbol]	PROPOSED SEPTIC FIELD	[Symbol]	1500 S.F. WELL ZONE	[Symbol]

**SOILS CHART**

SYMBOL	HYDRIC	HYDROLOGIC GROUP	NAME
GgB		B	GLENELG LOAM, 3 TO 8 PERCENT SLOPES
GmC		C	GLENVILLE SILT LOAM, 8 TO 15 PERCENT SLOPES
GnB*	YES	C	GLENVILLE-BAILE SILT LOAM, 0 TO 8 PERCENT SLOPES
MaC		B	MANOR LOAM, 8 TO 15 PERCENT SLOPES



VICINITY MAP  
SCALE: 1" = 2000'  
ADC MAP: 30; D-3

**GENERAL NOTES**

- THE LOT SHOWN HEREON COMPLIES WITH THE MINIMUM OWNERSHIP WIDTH AND LOT AREA AS REQUIRED BY THE MARYLAND STATE DEPARTMENT OF THE ENVIRONMENT.
- THIS AREA DESIGNATES A PRIVATE SEWERAGE EASEMENT OF AT LEAST 10,000 S.F. (TOTAL) 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 GRANT ADJUSTMENTS TO THE PRIVATE SEWERAGE EASEMENT. RECORDATION OF A MODIFIED SEWERAGE EASEMENT PLAT SHALL NOT BE REQUIRED.
- TOPOGRAPHY SHOWN IS BASED ON HOWARD COUNTY GIS AND HAS BEEN VERIFIED BY BENCHMARK ENGINEERING, INC., IN A SURVEY CONDUCTED IN JANUARY, 2014.
- THERE ARE NO EXISTING WELLS OR SEPTIC SYSTEMS WITHIN 100' OF THIS PROJECT'S BOUNDARY EXCEPT AS NOTED.
- THE PURPOSE FOR THIS PERCOLATION TEST PLAN IS TO CREATE A SEWER DISPOSAL EASEMENT IN SUPPORT OF A BUILDING PERMIT APPLICATION TO CONSTRUCT A NEW RESIDENCE.
- ANY CHANGES TO A PRIVATE SEWERAGE EASEMENT SHALL REQUIRE A REVISED PERCOLATION CERTIFICATION PLAN.
- THE PROPOSED SEPTIC AREA SUPPORTING THE BACK-UP AND ADDITIONAL SYSTEM REQUIRE CROSSING THE SHOWN GAS EASEMENT AND PIPE LINE. THE DETAILS AND REQUIREMENTS ASSOCIATED WITH THAT CROSSING WILL BE PROVIDED AT THE PERMIT PLAN PHASE AND HAVE APPROVAL BY WILLIAMS GAS PIPELINES TRANSCO.
- THE WELL MUST BE DRILLED AND THE WELL COMPLETION REPORT RECEIVED AND APPROVED BY THE BUREAU OF ENVIRONMENTAL HEALTH PRIOR TO THE BUREAU'S APPROVAL OF THE BUILDING PERMIT FOR CONSTRUCTION OF A NEW RESIDENCE.
- DURING CONSTRUCTION OF THE INITIAL SEPTIC SYSTEM, A PIPE SLEEVE IS TO BE LAID ACROSS THE WILLIAMS GAS PIPELINE RIGHT-OF-WAY PER SPECIFICATIONS INDICATED ON THE BAT SITE PLAN. A COPY OF THE RECORDED CONSENT TO USE EASEMENT AGREEMENT MUST BE SUBMITTED TO THE BUREAU OF ENVIRONMENTAL HEALTH PRIOR TO THE BUREAU'S APPROVAL OF A BUILDING PERMIT FOR CONSTRUCTION OF THE NEW RESIDENCE.

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.

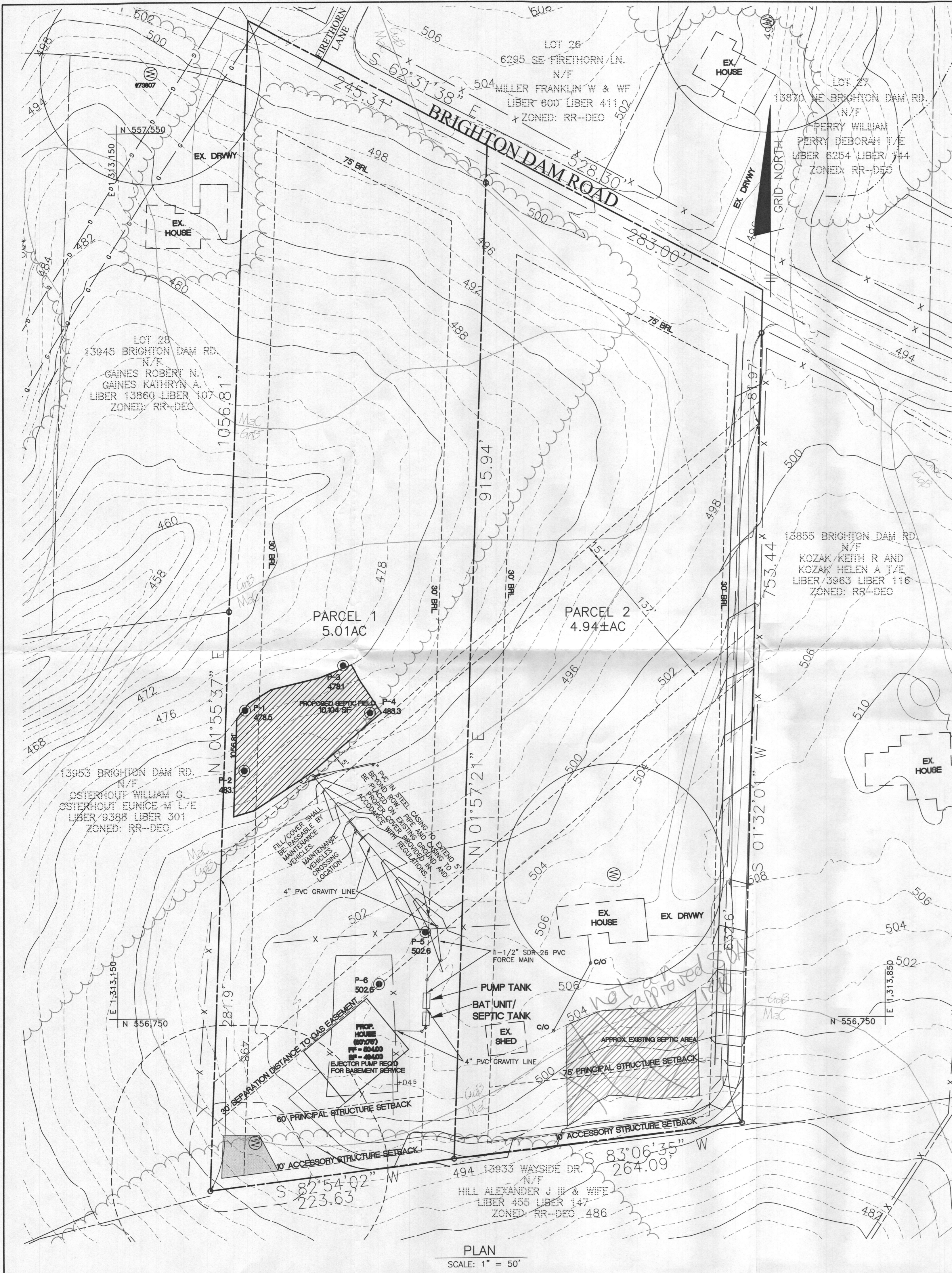
*John M. Carney*  
PLAN PREPARED BY JOHN M. CARNEY FOR BENCHMARK ENGINEERING, INC.

APPROVED FOR PRIVATE WATER AND SEWERAGE SYSTEM HOWARD COUNTY HEALTH DEPARTMENT  
*Richard J. Davis* 5/30/14  
HOWARD COUNTY HEALTH OFFICER (BATE) 788

**BENCHMARK ENGINEERING, INC.**  
ENGINEERS • LAND SURVEYORS • PLANNERS  
8480 BALTIMORE NATIONAL PIKE & SUITE 315  
ELLCOTT CITY, MARYLAND 21043  
PHONE: 410-465-6105 • FAX: 410-465-6644  
EMAIL: Benchmark@bcis.com

OWNER/DEVELOPER: <b>MR. F. DERIC TOMENKO</b> 800 MAPLEWOOD AVE. #1 TAKOMA PARK, MD 20912 (240)339-3399	PROJECT: <b>13879 BRIGHTON DAM RD.</b>
LOCATION: TAX MAP: 34 PARCELS: 130 5TH ELECTION DISTRICT TAX ID# 05-342929 HOWARD COUNTY, MARYLAND	TITLE: <b>PERCOLATION CERTIFICATION PLAN</b>
DATE: MAY, 2014	PROJECT NO. 2560
SCALE: 1" = 50'	SHEET 1 OF 1

DRAFT: BFC DESIGN: BFC CHECK: -

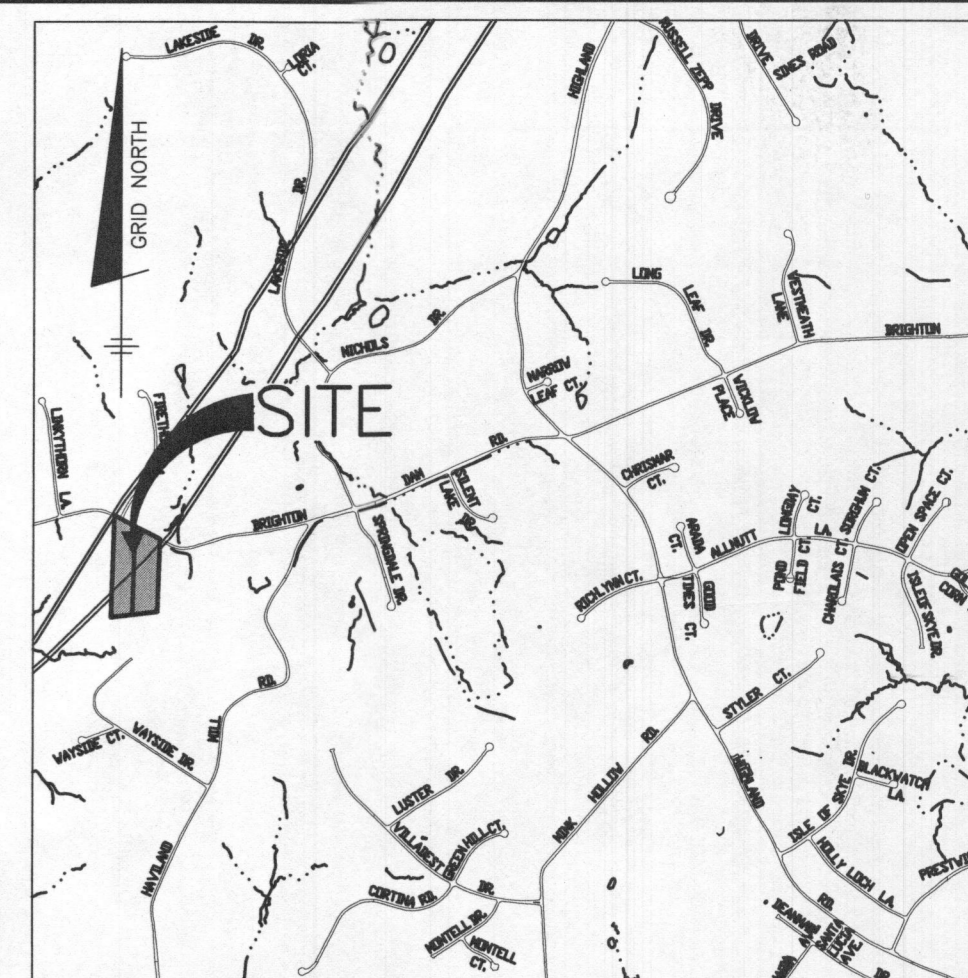


INV. AT HOUSE	502.00
GRD. AT INV. AT HOUSE	504.50
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**LEGEND**

SOILS CLASSIFICATION	CHB2	EXISTING STRUCTURE	[Symbol]	PASSED PERCOLATION TEST	[Symbol]
SOILS DELINEATION	[Symbol]	PROPOSED STRUCTURE	[Symbol]	FAILED PERCOLATION TEST	[Symbol]
EXISTING CONTOURS (HOWARD COUNTY DIGITAL)	[Symbol]	EXISTING WELL FIELD SHOT	[Symbol]	PASSED PERCOLATION TEST	[Symbol]
EXISTING WOODS LINE	[Symbol]	EXISTING SEPTIC FIELD	[Symbol]	PROPOSED WELL	[Symbol]
PROPOSED WOODS LINE	[Symbol]	PROPOSED SEPTIC FIELD	[Symbol]	1500 S.F. WELL ZONE	[Symbol]

SOILS CHART			
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GnB*	YES	C	GLENVILLE-BAILE SILT LOAM, 0 TO 8 PERCENT SLOPES
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- 9.) DURING CONSTRUCTION OF THE INITIAL SEPTIC SYSTEM, A PIPE SLEEVE IS TO BE LAID ACROSS THE WILLIAMS GAS PIPELINE RIGHT-OF-WAY PER SPECIFICATIONS INDICATED ON THE BAT SITE PLAN. A COPY OF THE RECORDED CONSENT TO USE EASEMENT AGREEMENT MUST BE SUBMITTED TO THE BUREAU OF ENVIRONMENTAL HEALTH PRIOR TO THE BUREAU'S APPROVAL OF A BUILDING PERMIT FOR CONSTRUCTION OF THE NEW RESIDENCE.

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*John M. Carney*  
PLAN PREPARED BY JOHN M. CARNEY FOR BENCHMARK ENGINEERING, INC.

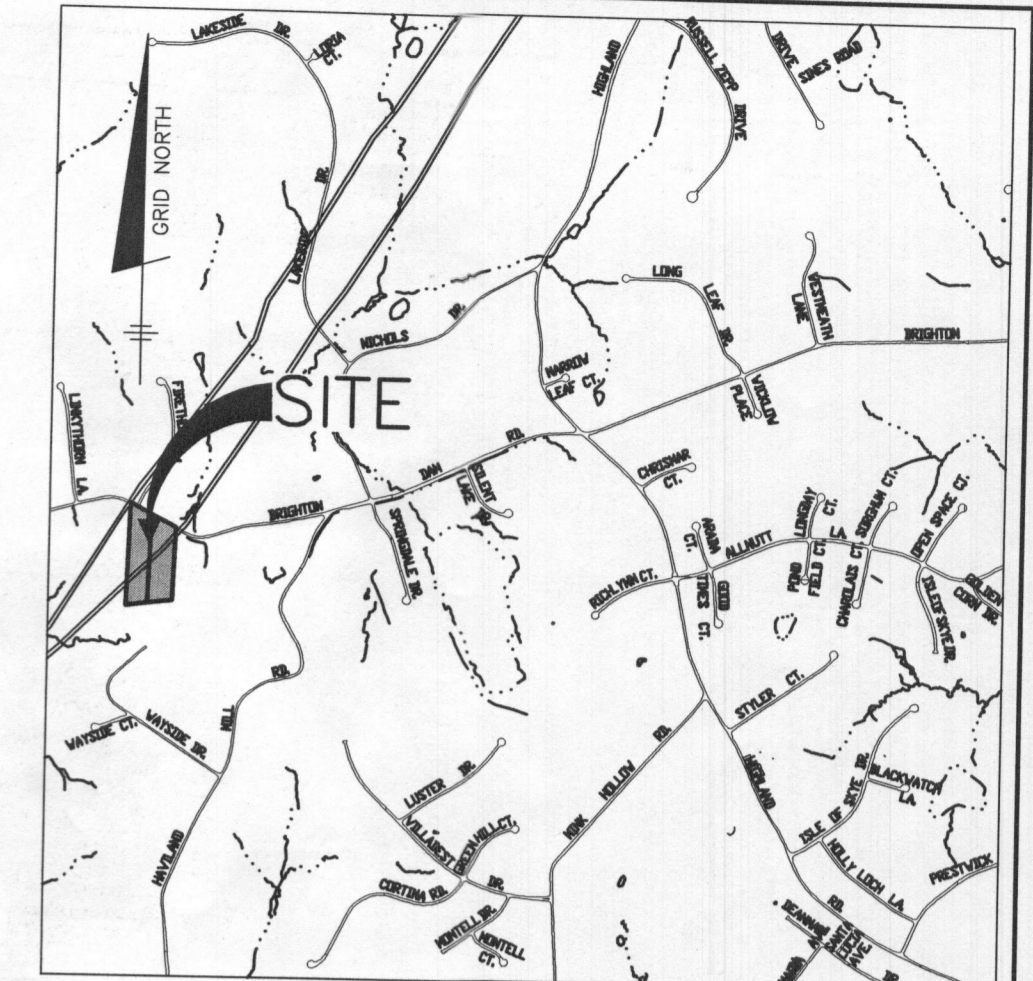
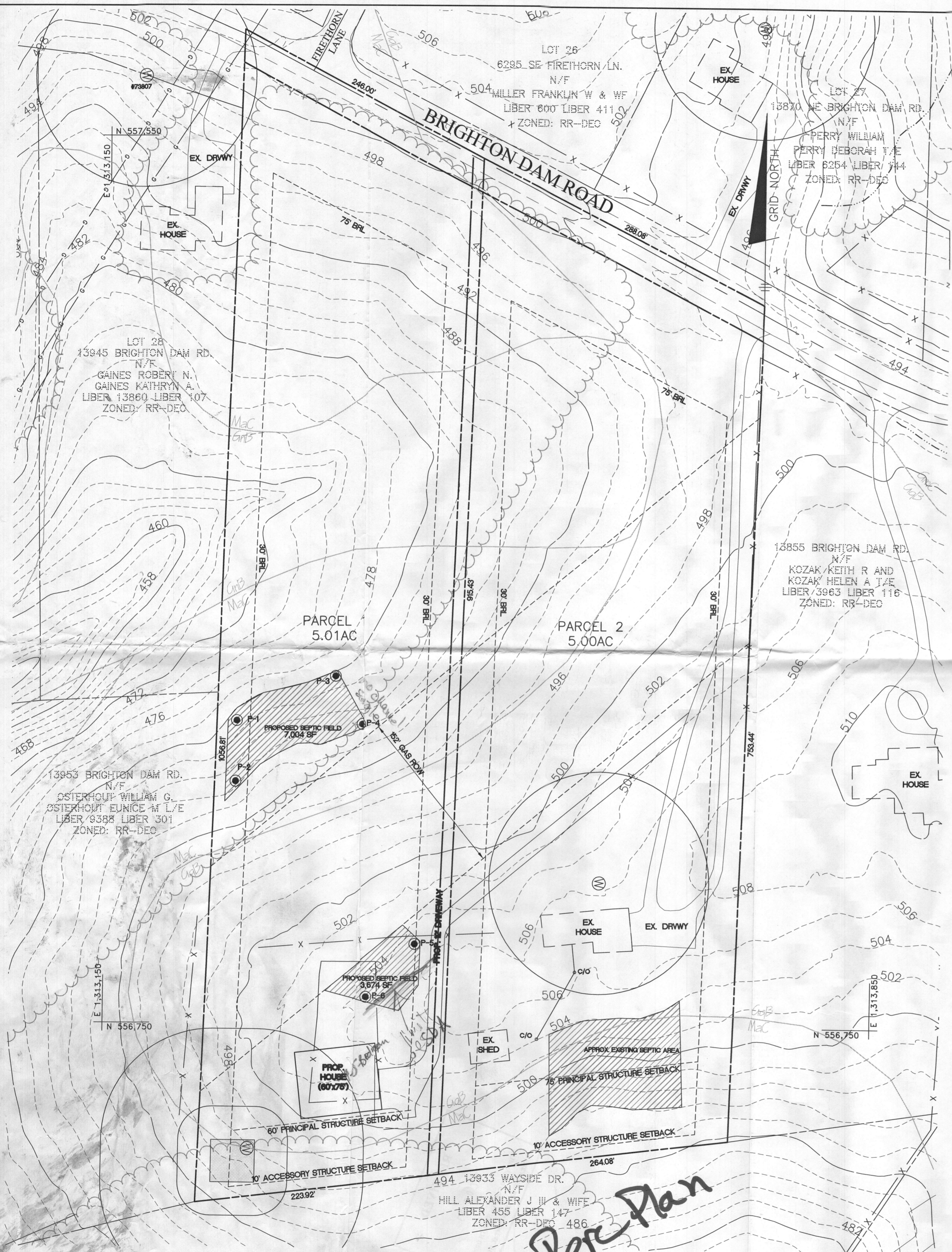
APPROVED FOR PRIVATE WATER AND SEWERAGE SYSTEM HOWARD COUNTY HEALTH DEPARTMENT  
*William J. Jani*  
HOWARD COUNTY HEALTH OFFICER DATE 5/20/2014  
1998

**BENCHMARK**  
ENGINEERS • LAND SURVEYORS • PLANNERS  
**ENGINEERING, INC.**

8480 BALTIMORE NATIONAL PIKE • SUITE 315  
ELLCOTT CITY, MARYLAND 21043  
PHONE: 410-465-6105 • FAX: 410-465-6644  
EMAIL: Benchmark@cale.com

OWNER/DEVELOPER:	PROJECT:
MR. F. DERIC TOMENKO 800 MAPLEWOOD AVE. #1 TAKOMA PARK, MD 20912 (240)339-3399	13879 BRIGHTON DAM RD.
LOCATION:	TAX MAP: 34 PARCELS: 130 5TH ELECTION DISTRICT TAX ID# 05-342929 HOWARD COUNTY, MARYLAND
TITLE:	PERCOLATION CERTIFICATION PLAN
DATE: MAY, 2014	PROJECT NO. 2560
DRAFT: BFC DESIGN: BFC CHECK: -	SCALE: 1" = 50' SHEET 1 OF 1

PC545069



VICINITY MAP  
SCALE: 1" = 2000'

**LEGEND**

SOILS CLASSIFICATION	CHB2	EXISTING STRUCTURE	[Symbol]	PASSED PERCOLATION TEST	[Symbol]
SOILS DELINEATION	[Symbol]	PROPOSED STRUCTURE	[Symbol]	FAILED PERCOLATION TEST	[Symbol]
EXISTING CONTOURS (HOWARD COUNTY DIGITAL)	[Symbol]	EXISTING WELL FIELD SHOT	[Symbol]	PROPOSED PERCOLATION TEST	[Symbol]
EXISTING WOODS LINE	[Symbol]	EXISTING SEPTIC FIELD	[Symbol]	PROPOSED WELL	[Symbol]
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**GENERAL NOTES**

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- 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 A SEWERAGE DISPOSAL EASEMENT IN SUPPORT OF BUILDING PERMIT APPLICATION.
- 7.) THE EXISTING WELL, SHOWN ON THIS PLAN ARE 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.) THIS PROPOSED SEPTIC AREA AND HOUSE LOCATION WILL REQUIRE A CROSSING OF THE SHOWN GAS EASEMENT AND PIPE LINE. THE DETAILS AND REQUIREMENTS ASSOCIATED WITH THAT CROSSING WILL BE PROVIDED AT THE PERMIT PLAN PHASE AND AFTER APPROVAL BY WILLIAMS GAS PIPELINES, TRANSCO.

SOILS CHART			
SYMBOL	HYDRIC	HYDROLOGIC GROUP	NAME
GgB		B	GLENELG LOAM, 3 TO 8 PERCENT SLOPES
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BRIAN F. CLEARY P.E. FOR BENCHMARK ENGINEERING, INC.  
PLAN PREPARER

APPROVED FOR PRIVATE WATER AND SEWERAGE SYSTEM  
HOWARD COUNTY HEALTH DEPARTMENT

HOWARD COUNTY HEALTH OFFICER \_\_\_\_\_ DATE \_\_\_\_\_

**BENCHMARK**  
ENGINEERS & LAND SURVEYORS & PLANNERS  
**ENGINEERING, INC.**

840 BALTIMORE NATIONAL PIKE & SUITE 315  
ELLCOTT CITY, MARYLAND 21043  
PHONE: 410-465-6105 FAX: 410-465-6644  
EMAIL: BENCHMRK@COIS.COM

OWNER/DEVELOPER:	PROJECT:
MR. F. DERIC TOMENKO 800 MAPLEWOOD AVE. #1 TAKOMA PARK, MD 20912 (240)339-3399	13879 BRIGHTON DAM RD.
LOCATION:	TITLE: PERCOLATION TESTING PLAN
TAX MAP-34 PARCELS-130 5TH ELECTION DISTRICT HOWARD COUNTY, MARYLAND	
DATE: SEPTEMBER, 2013	PROJECT NO. 2560
DRAFT: BFC DESIGN: BFC CHECK: -	SCALE: 1" = 50'
	SHEET 1 OF 1

PLAN  
SCALE: 1" = 50'

*Peric Plan*