



# 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) Robert Williams

DAYTIME PHONE 410 465 5366 CELL \_\_\_\_\_ FAX \_\_\_\_\_

MAILING ADDRESS 13110 GREENBERRY LANE CLARKSVILLE MD 21029  
STREET CITY/TOWN STATE ZIP

APPLICANT MILDENBERG, BOENDER & ASSOC., INC.

DAYTIME PHONE 410 997 0296 CELL 1 FAX 410 997 0298

MAILING ADDRESS 6800 Deerpath Rd Elkridge, MD 21075  
STREET CITY/TOWN STATE ZIP

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

PROPERTY LOCATION  
SUBDIVISION/PROPERTY NAME GREENBERRY LOT NO. 1

PROPERTY ADDRESS 13110 GREENBERRY LANE CLARKSVILLE MD 21029  
STREET TOWN/POST OFFICE

TAX MAP PAGE(S) 28 GRID \_\_\_\_\_ PARCEL(S) 48 PROPOSED LOT SIZE 1A±

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

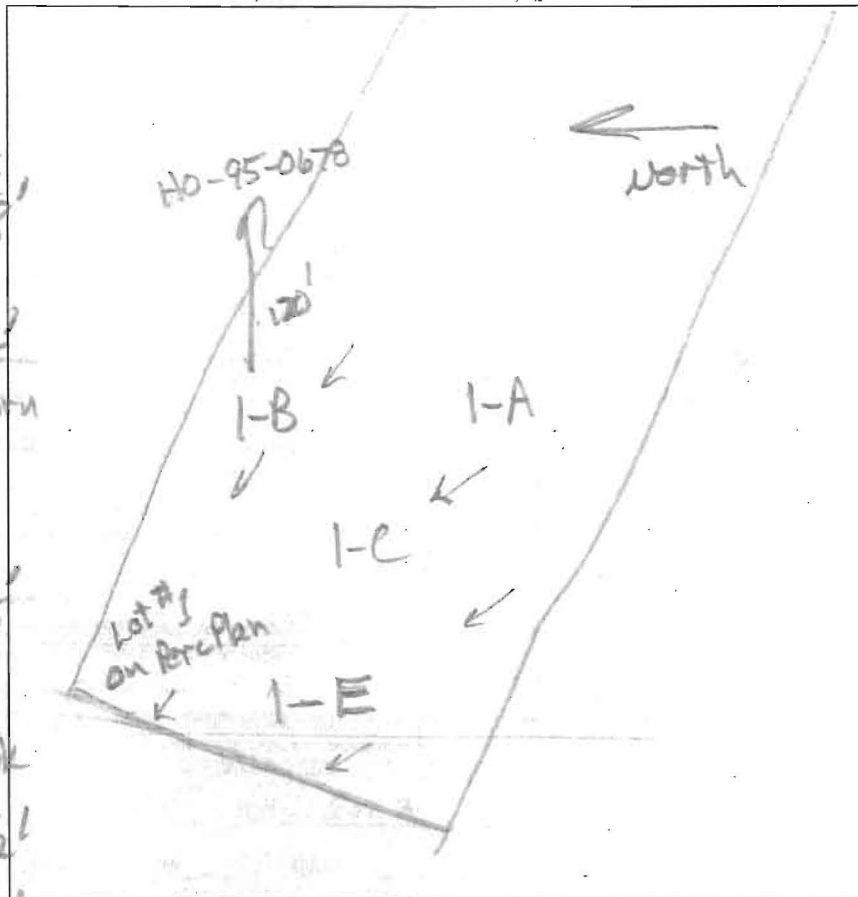
HOWARD COUNTY HEALTH DEPARTMENT, BUREAU OF ENVIRONMENTAL HEALTH, WELL AND SEPTIC PROGRAM  
 7178 COLUMBIA GATEWAY DRIVE COLUMBIA, MARYLAND 21046 (410) 313-2640 FAX (410) 313-2648  
 TDD (410) 313-2323 TOLL FREE 1-877-4MD-DHMH

# Greenberry Lot 1

A/P

**1-A**  
 dk brn L  
 brn scl, 2msbk  
 3' brn L, 2msbk  
 3' red & brn-yel  
 ls many mica  
 few clanners  
 7.5'  
 red & grey-brn  
 ls, many mica  
 10'  
 red ls  
 2 ep mica  
 13.5'

**1-C**  
 dk brn L  
 brn scl 2msbk  
 brn L 2msbk  
 2' yet-brn & blk  
 chsl mica plates  
 25'  
 red, yel & tau  
 ls many mica  
 4' red & grey-brn  
 ls many mica  
 9.8'  
 red, grey-brn  
 ls  
 12' 2mp mica coats



**1-B**  
 dk brn L  
 brn scl, 2msbk  
 4.4'  
 pale yel-brn  
 & yel-red  
 gr L  
 4.5'  
 red & grey-brn  
 ls many mica  
 few boulders  
 4.7'  
 red, yel  
 & grey-brn  
 ls, 2 ep mica  
 13'

**1-E**  
 dk brn L, brn  
 scl, 2msbk to blk  
 9.3'  
 brn L, 2msbk  
 1.8'  
 2.5'  
 yel-brn & blk  
 fs, few clanners  
 many mica  
 3.5'  
 red & brn  
 fs, many mica  
 7'  
 red & grey-brn  
 ls, imp  
 micaceous  
 11'  
 red & grey-brn  
 fs, micaceous  
 12'

DATE	TEST #	DEPTH	START	BREAK 1" DROP	STOP 2" DROP	TIME OF 2ND INCH	P/F/H
11/2/12	1-A	5' / 13.5'	9:57	9:53	9:56	3	P
11/2/12	1-B	Visual		4.5' to 8' OK 1.2 gpd/ft			P
11/2/12	1-C	5' / 12'	10:10	10:11	10:14	3	P
11/2/12	1-E	5' / 12'	10:22	10:24	10:27	3	P

REMARKS Did not dig 1-D  
 SANITARIAN RB BACKHOE JBA OTHERS Jacob Hikmat  
 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: 410-313-2640 | 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

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

---

December 9, 2014

MEMORANDUM

TO: Fogle's Well Drilling, LLC  
PO Box 202  
Woodbine, MD 21797

Mildenberg, Bender, and Associates, Inc.  
7350-B Grace Drive  
Columbia, MD 21044

FROM: Sarah Collins SEC  
Environmental Health Specialist  
Howard County Health Department

RE: Greenberry Well Permits

---

Please note the following special conditions for the Greenberry subdivision well permits:

The Percolation Certification for the Greenberry subdivision shows circular well boxes for lots 7, 10, 12, 13, 15, 16, 18, and 19. The center of the well box has been staked and the driller is to drill at the outer perimeter of the well box, **22 feet from the center stake**.

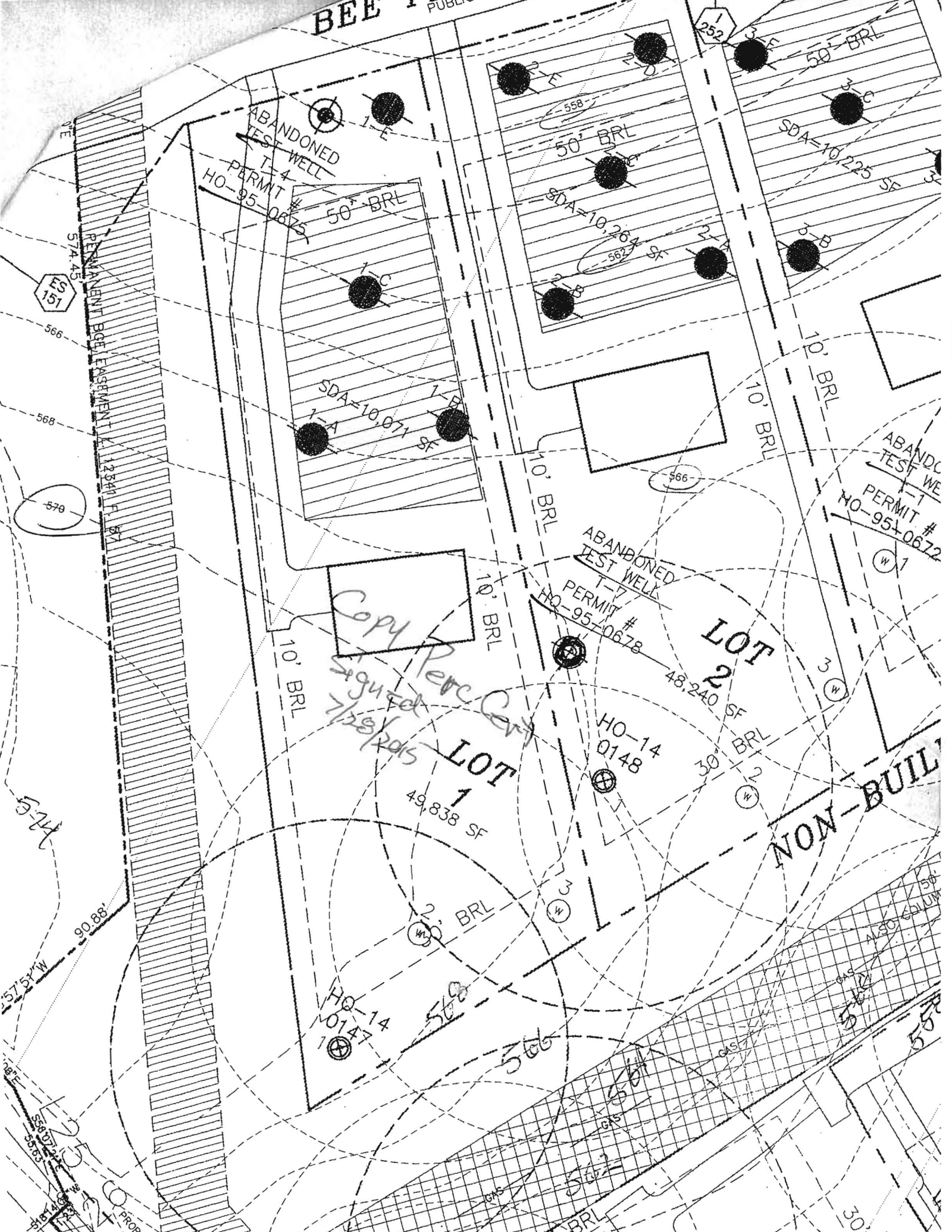
All monitoring and test wells shown on the Percolation Certification are to be sealed. Abandonment reports must be submitted with well completion reports.

At the time of the yield test, a water sample needs to be collected for pesticides testing for lots 2, 3, 4, 5, 10, and 12.

At the time of the yield test, a water sample needs to be collected for TDS, sodium, and chloride testing for lots 4, 9, 11, 14, and 20.

Cc: File

BEE PUBLIC



ABANDONED TEST WELL  
T-4  
PERMIT #  
HO-95-0675

ABANDONED TEST WELL  
T-1  
PERMIT #  
HO-95-0672

ABANDONED TEST WELL  
T-7  
PERMIT #  
HO-95-0678

*Copy Perc Cert signed 7/28/05*

LOT 1

LOT 2

NON-BUILD

REMANENT BEE LEASEMENT

ES 151

570

566

49,838 SF

48,240 SF

HO-14 0147

HO-14 0148

5607

5505

574

90.88'

37.57'

5607

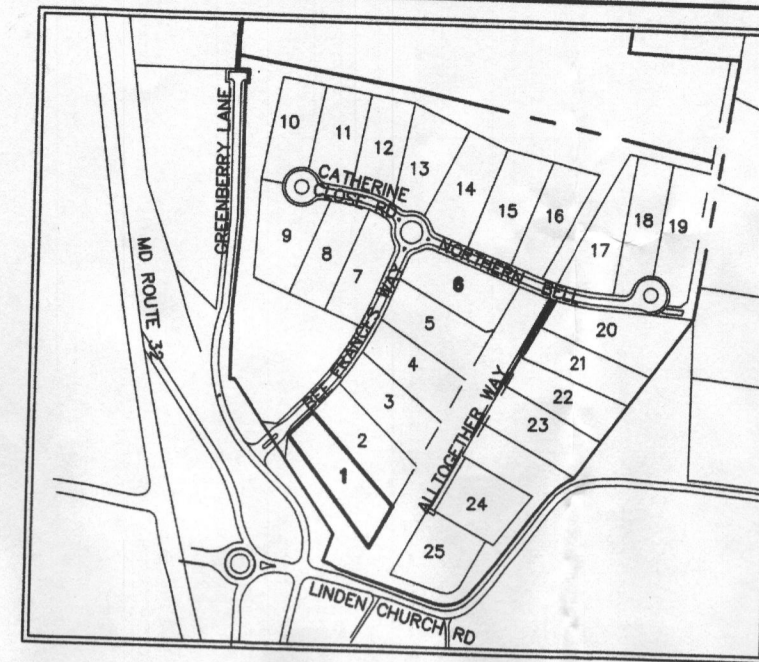
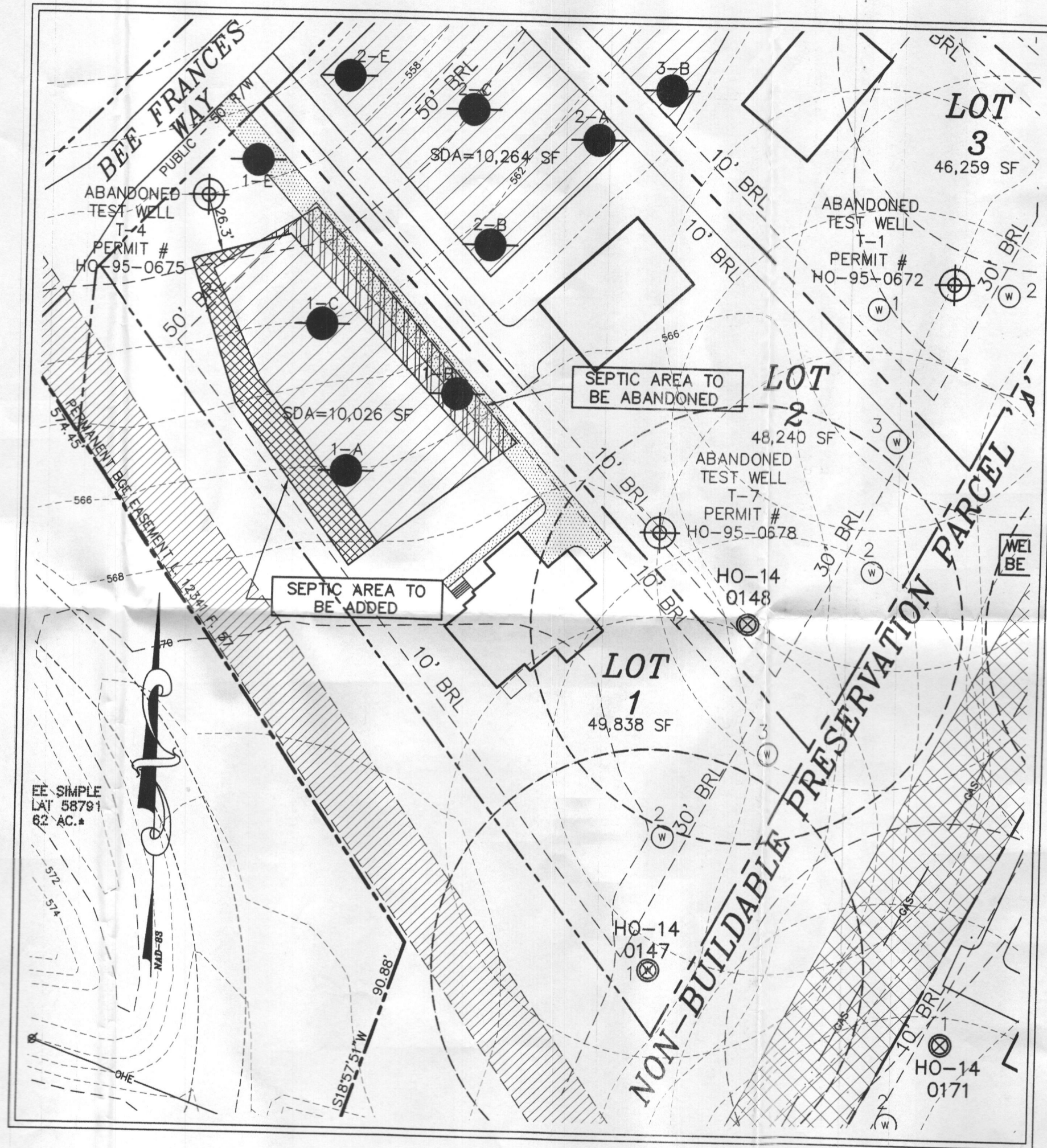
5505

5505

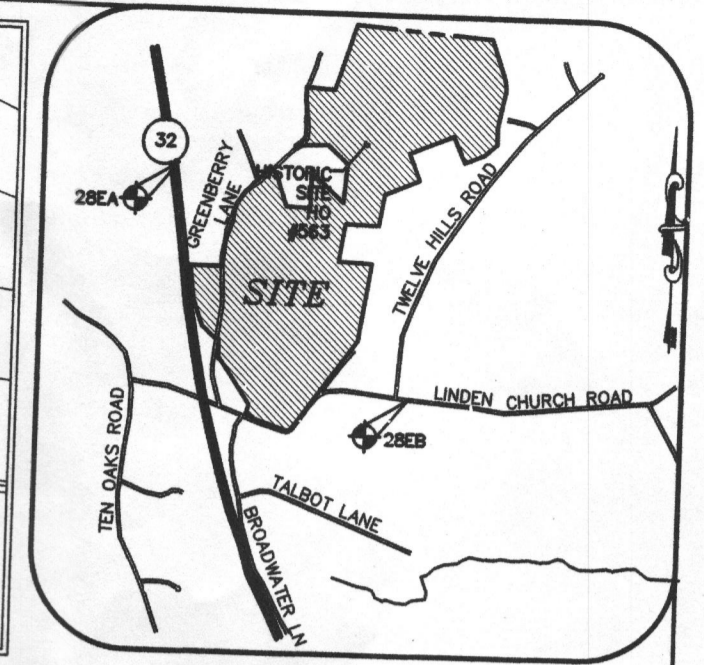
5505

**SOILS TABLE**

SYMBOL	RATING	NAME	K FACTOR
GgB	(B)	GLENELG LOAM, 3-8% SLOPES.	.20



**LOCATION PLAN**  
SCALE: 1"=600'

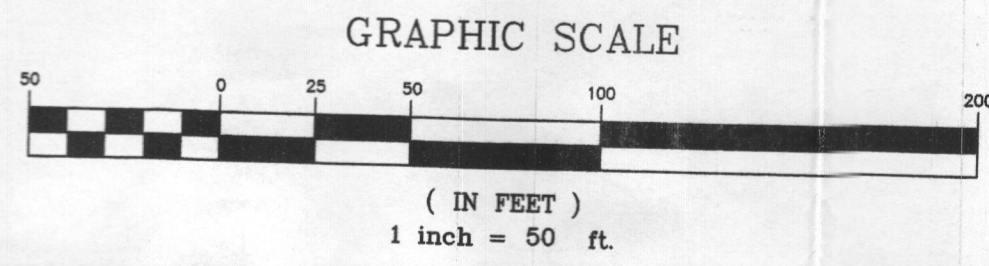


**VICINITY MAP**  
SCALE: 1"=2000'  
ADC MAP 24 GRID F6

**GENERAL NOTES:**

- THE SUBJECT PROPERTY IS ZONED RR-DEO PER THE 10/06/13 COMPREHENSIVE ZONING PLAN.
- PARCEL BACKGROUND:**  
TAX MAP: 28, PARCEL: 48, LOT: 1  
ELECTION DISTRICT: FIFTH.  
ZONING: RR-DEO.  
AREA: 49,838 S.F.
- TOPOGRAPHY SHOWN HEREON IS BASED ON AERIAL TOPOGRAPHY PERFORMED BY WINGS AERIAL MAPPING ON OR ABOUT 2005. TOPOGRAPHY WAS FIELD VERIFIED IN NOVEMBER, 2012.
- THE LOT SHOWN HEREON COMPLIES WITH THE MINIMUM OWNERSHIP, WIDTH, AND LOT AREA AS REQUIRED BY THE MARYLAND DEPARTMENT OF THE ENVIRONMENT.
- PRIVATE WELL AND SEPTIC WILL BE UTILIZED.
- SOILS DATA BASED ON THE USDA SOIL SURVEY OF HOWARD COUNTY, MD, DATED MAY, 2008.
- THIS AREA DESIGNATES A SEWAGE DISPOSAL AREA OF AT LEAST 10,000 SQ. FT. AS REQUIRED BY THE MARYLAND STATE DEPARTMENT OF ENVIRONMENT FOR INDIVIDUAL SEWERAGE DISPOSAL IMPROVEMENTS OF ANY NATURE IN THIS AREA ARE RESTRICTED UNTIL PUBLIC SEWERAGE IS AVAILABLE. THIS EASEMENT 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 SEWAGE DISPOSAL AREA, AND RECORDATION OF A MODIFIED EASEMENT SHALL NOT BE NECESSARY.
- THIS SYMBOL DESIGNATES A PASSING PERCOLATION TEST LOCATION  
24-A
- REPRESENTS PROPOSED POTABLE WATER WELL LOCATIONS
- DRILLED WELL  
HO-14 0152
- ABANDONED TEST WELL  
T-7
- ANY CHANGES TO A PRIVATE SEWAGE AREA SHALL REQUIRE A REVISED PERCOLATION CERTIFICATION PLAN.
- TO THE BEST OF OUR KNOWLEDGE, ALL ADJACENT WELL AND SEPTIC SYSTEMS WITHIN 100 FEET OF THE PROPERTY HAVE BEEN SHOWN.
- GROUNDWATER APPROPRIATIONS PERMIT (GAP) NO. H02014G003(01).

**OWNER**  
ROBERT B. WILLIAMS  
C/O MILDENBERG, BOENDER AND ASSOC.  
7350-B GRACE DRIVE  
COLUMBIA, MARYLAND 21044  
(410)997-0296



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



I HEREBY CERTIFY THAT THESE DOCUMENTS WERE PREPARED OR APPROVED BY ME AND THAT I AM A DULY LICENSED PROFESSIONAL ENGINEER UNDER THE LAWS OF THE STATE OF MARYLAND, LICENSE NO. 19742, EXP DATE 09/03/16.  
R. JACOB HIKMAT, P.E. 8/11/16  
DATE

THE PURPOSE OF THIS REVISED PERCOLATION PLAT IS TO RECONFIGURE SEPTIC EASEMENT ON LOT 1.

project	date	approval
15-005	AUG. 2016	MMM
illustration	engineering	MMM
scale	1"=50'	RJH

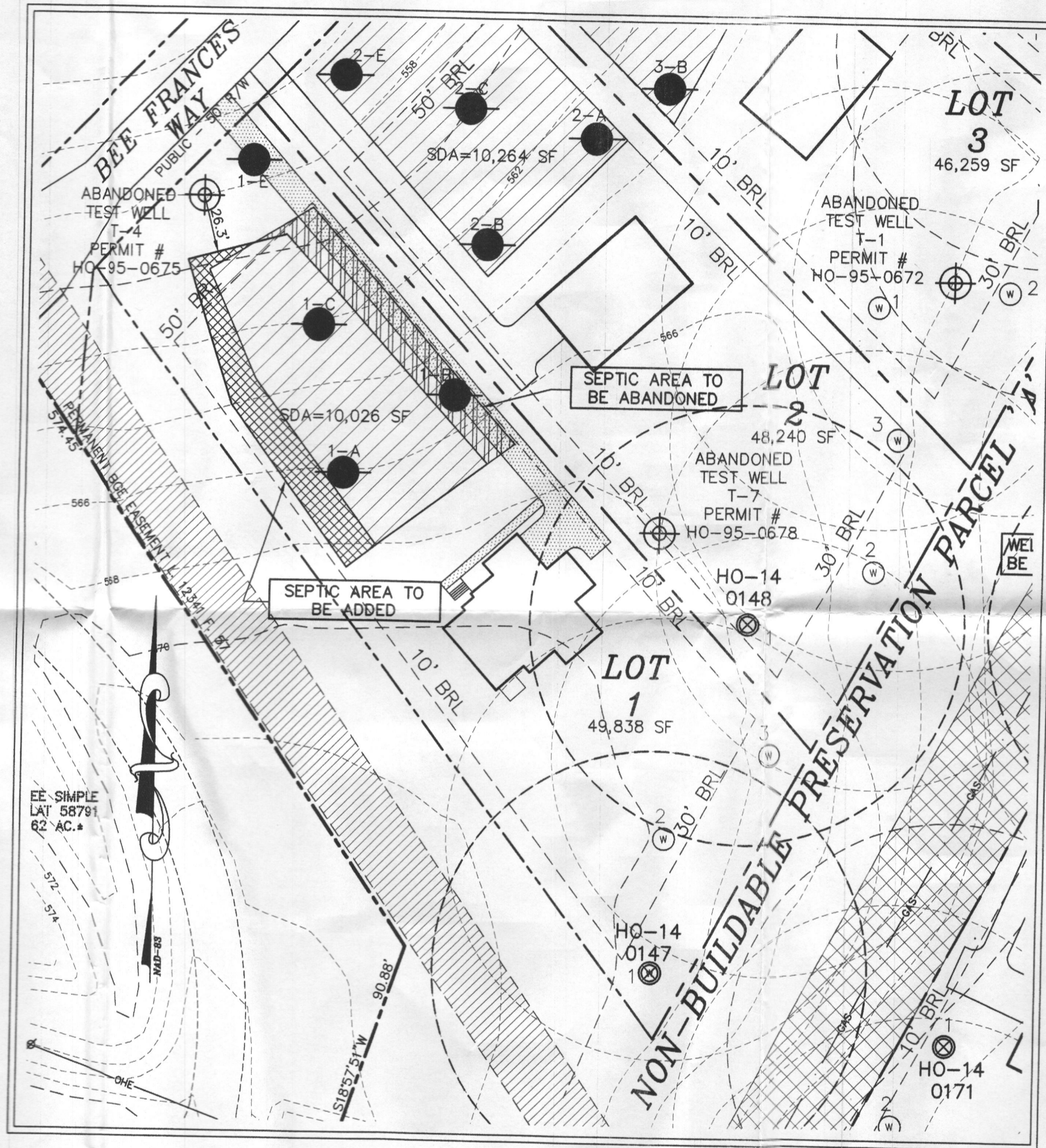
no.	description	revisions

**GREENBERRY, LOT 1**  
5004 BEE FRANCES WAY, CLARKSVILLE MD  
TAX MAP 28, PARCEL 48, LOT 1  
FIFTH ELECTION DISTRICT  
HOWARD COUNTY  
**REVISED PERCOLATION CERTIFICATION PLAN**

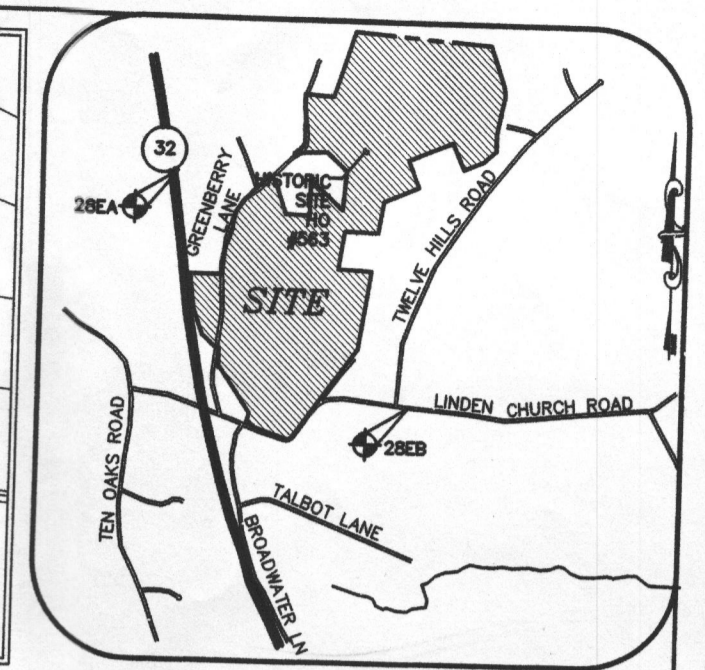
**MILDENBERG, BOENDER & ASSOC., INC.**  
Engineers Planners Surveyors  
7350-B Grace Drive, Columbia, Maryland 21044  
(410) 997-0296 Ext. (410) 997-0298 Fax.

**SOILS TABLE**

SYMBOL	RATING	NAME	K FACTOR
GgB	(B)	GLENELG LOAM, 3-8% SLOPES.	.20



**LOCATION PLAN**  
SCALE: 1"=600'

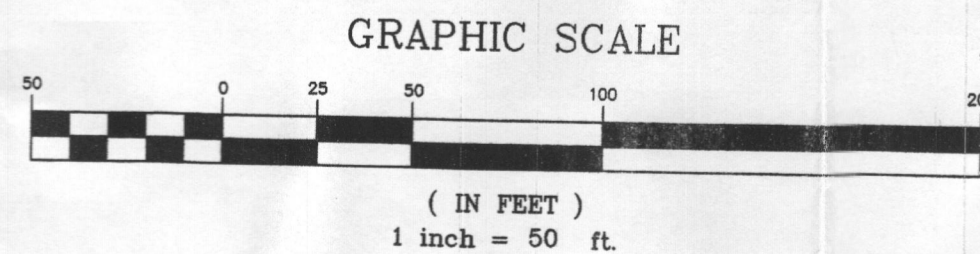


**VICINITY MAP**  
SCALE: 1"=2000'  
ADC MAP 24 GRID F6

**GENERAL NOTES:**

- THE SUBJECT PROPERTY IS ZONED RR-DEO PER THE 10/06/13 COMPREHENSIVE ZONING PLAN.
- PARCEL BACKGROUND:**  
TAX MAP: 28, PARCEL: 48, LOT: 1  
ELECTION DISTRICT: FIFTH.  
ZONING: RR-DEO.  
AREA: 49,838 S.F.
- TOPOGRAPHY SHOWN HEREON IS BASED ON AERIAL TOPOGRAPHY PERFORMED BY WINGS AERIAL MAPPING ON OR ABOUT 2005. TOPOGRAPHY WAS FIELD VERIFIED IN NOVEMBER, 2012.
- THE LOT SHOWN HEREON COMPLIES WITH THE MINIMUM OWNERSHIP, WIDTH, AND LOT AREA AS REQUIRED BY THE MARYLAND DEPARTMENT OF THE ENVIRONMENT.
- PRIVATE WELL AND SEPTIC WILL BE UTILIZED.
- SOILS DATA BASED ON THE USDA SOIL SURVEY OF HOWARD COUNTY, MD, DATED MAY, 2008.
- THIS AREA DESIGNATES A SEWAGE DISPOSAL AREA OF AT LEAST 10,000 SQ. FT. AS REQUIRED BY THE MARYLAND STATE DEPARTMENT OF ENVIRONMENT FOR INDIVIDUAL SEWERAGE DISPOSAL. IMPROVEMENTS OF ANY NATURE IN THIS AREA ARE RESTRICTED UNTIL PUBLIC SEWERAGE IS AVAILABLE. THIS EASEMENT 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 SEWAGE DISPOSAL AREA, AND RECORDATION OF A MODIFIED EASEMENT SHALL NOT BE NECESSARY.
- THIS SYMBOL DESIGNATES A PASSING PERCOLATION TEST LOCATION
- REPRESENTS PROPOSED POTABLE WATER WELL LOCATIONS
- DRILLED WELL  
HO-14 0152
- ABANDONED TEST WELL  
T-7
- ANY CHANGES TO A PRIVATE SEWAGE AREA SHALL REQUIRE A REVISED PERCOLATION CERTIFICATION PLAN.
- TO THE BEST OF OUR KNOWLEDGE, ALL ADJACENT WELL AND SEPTIC SYSTEMS WITHIN 100 FEET OF THE PROPERTY HAVE BEEN SHOWN.
- GROUNDWATER APPROPRIATIONS PERMIT (GAP) NO. HO2014G003(01).

**OWNER**  
ROBERT B. WILLIAMS  
C/O MILDENBERG, BOENDER AND ASSOC.  
7350-B GRACE DRIVE  
COLUMBIA, MARYLAND 21044  
(410)997-0296



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



I HEREBY CERTIFY THAT THESE DOCUMENTS WERE PREPARED OR APPROVED BY ME AND THAT I AM A DULY LICENSED PROFESSIONAL ENGINEER UNDER THE LAWS OF THE STATE OF MARYLAND, LICENSE NO. 19742, EXP. DATE 09/03/16.

R. JACOB HIKMAT, P.E. 8/11/16  
DATE

THE PURPOSE OF THIS REVISED PERCOLATION PLAT IS TO RECONFIGURE SEPTIC EASEMENT ON LOT 1.

project	date	approval
15-005	AUG. 2016	RJH
illustration	engineering	
MMM	MMM	
scale	1"=50'	

description	revisions

**GREENBERRY, LOT 1**  
5004 BEE FRANCES WAY, CLARKSVILLE MD  
TAX MAP 28, PARCEL 48, LOT 1  
HOWARD COUNTY  
FIFTH ELECTION DISTRICT  
**REVISED PERCOLATION CERTIFICATION PLAN**

**MILDENBERG, BOENDER & ASSOC., INC.**  
Engineers Planners Surveyors  
7350-B Grace Drive, Columbia, Maryland 21044  
(410) 997-0296 Ext. (410) 997-0298 Fax.