



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. 9

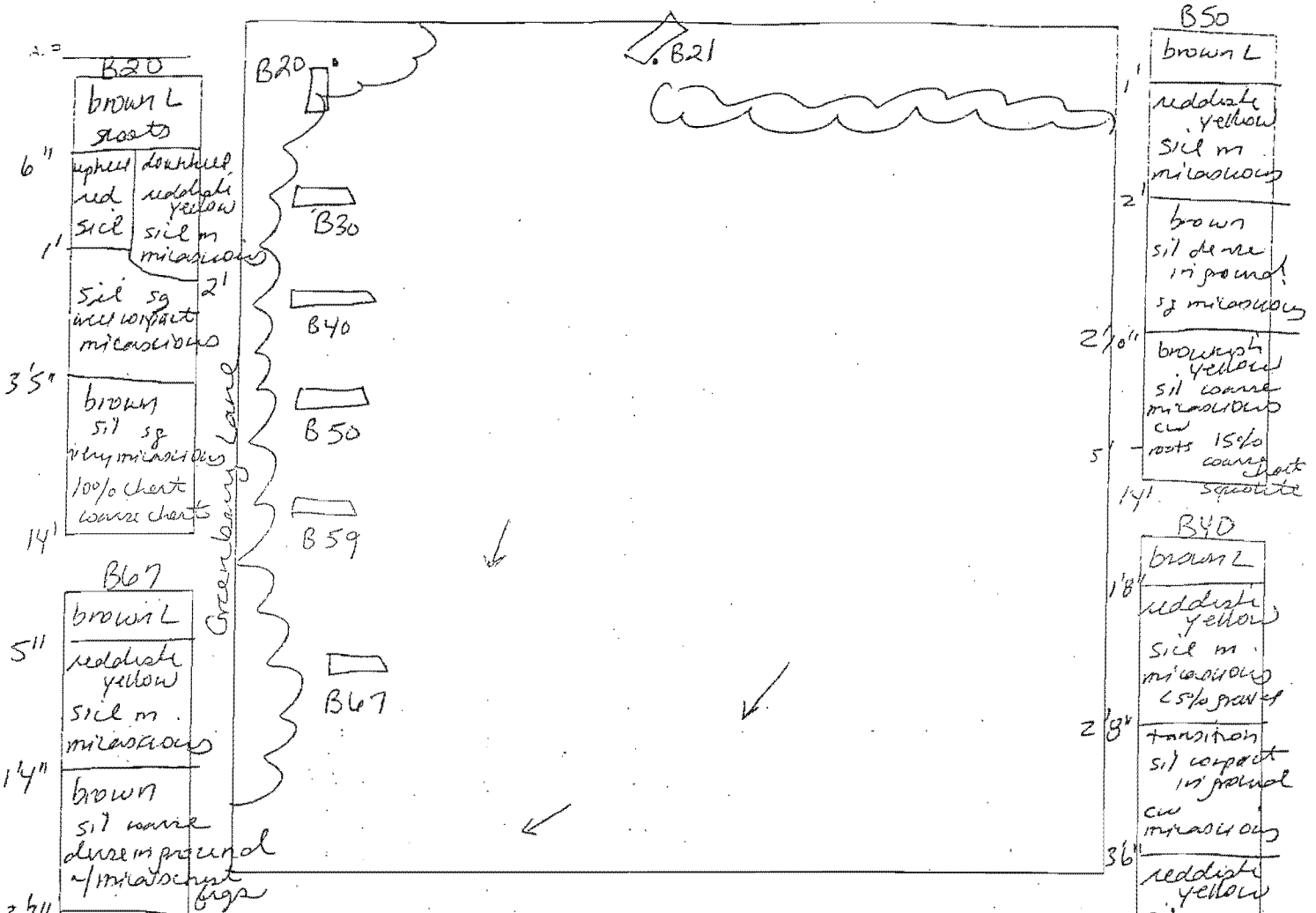
PROPERTY ADDRESS 13110 GREENBERRY LANE CLARKSVILLE MD 21029
STREET TOWN/POST OFFICE

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



6" brown L roots
 1' upper red reddish yellow silt m micaceous
 1' downhill reddish yellow silt m micaceous
 2' silt sg very micaceous
 3'5" brown silt sg very micaceous 100% chert coarse cherts
 14' brown L reddish yellow silt m micaceous
 5" brown silt coarse dense in ground 1/4 micaceous
 14" brown silt coarse dense in ground 1/4 micaceous
 2'3" brown silt sg very micaceous coarse
 14' 20-25% chert coarse cherts
 5" brown L reddish yellow silt m micaceous
 2' brown silt compact in ground
 2'10" brown silt sg
 12' mica schist
 ↓
 15% chert coarse cherts

DATE	TEST #	DEPTH	START	BREAK 1' DROP	STOP 2' DROP	TIME OF 2nd INCH	P/F/H
3/20/06	B67	4'8" / 14'	9:56 ²⁹	9:59 ³⁸	10:05 ³⁴	6	P
	B59	12'			visual	ok	P
	B50	5' / 14'	10:08 ⁵⁹	10:10 ⁴⁰	10:12 ⁴⁸	2	P
	B40	14'			visual	ok	P
	B30	5'5" / 13'	10:23 ⁴⁹		too slow		
	"	6'	10:44 ²⁷		too slow		
	"	7'5"	2:22 ⁴⁰	2:27 ³¹	2:40	13	P
	B20	14'			visual	ok	P

B50
 1' brown L
 1' reddish yellow silt m micaceous
 2' brown silt dense in ground sg micaceous
 2'10" brownish yellow silt coarse micaceous cw roots 15% coarse silt
 5' roots coarse silt
 14' silt
 B40
 1'8" brown L reddish yellow silt m micaceous 5% gravel
 2'8" transition silt compact in ground cw micaceous
 36" reddish yellow silt sg coarse micaceous
 14' B30
 2'5" brown L reddish yellow silt m micaceous 5% gravel
 4' transition to dense silt micaceous
 7' silt micaceous sg
 13'

REMARKS: Holes dug per plan #B67 affected area @ 25' #B50 " " 2'10"

SANITARIAN: SF

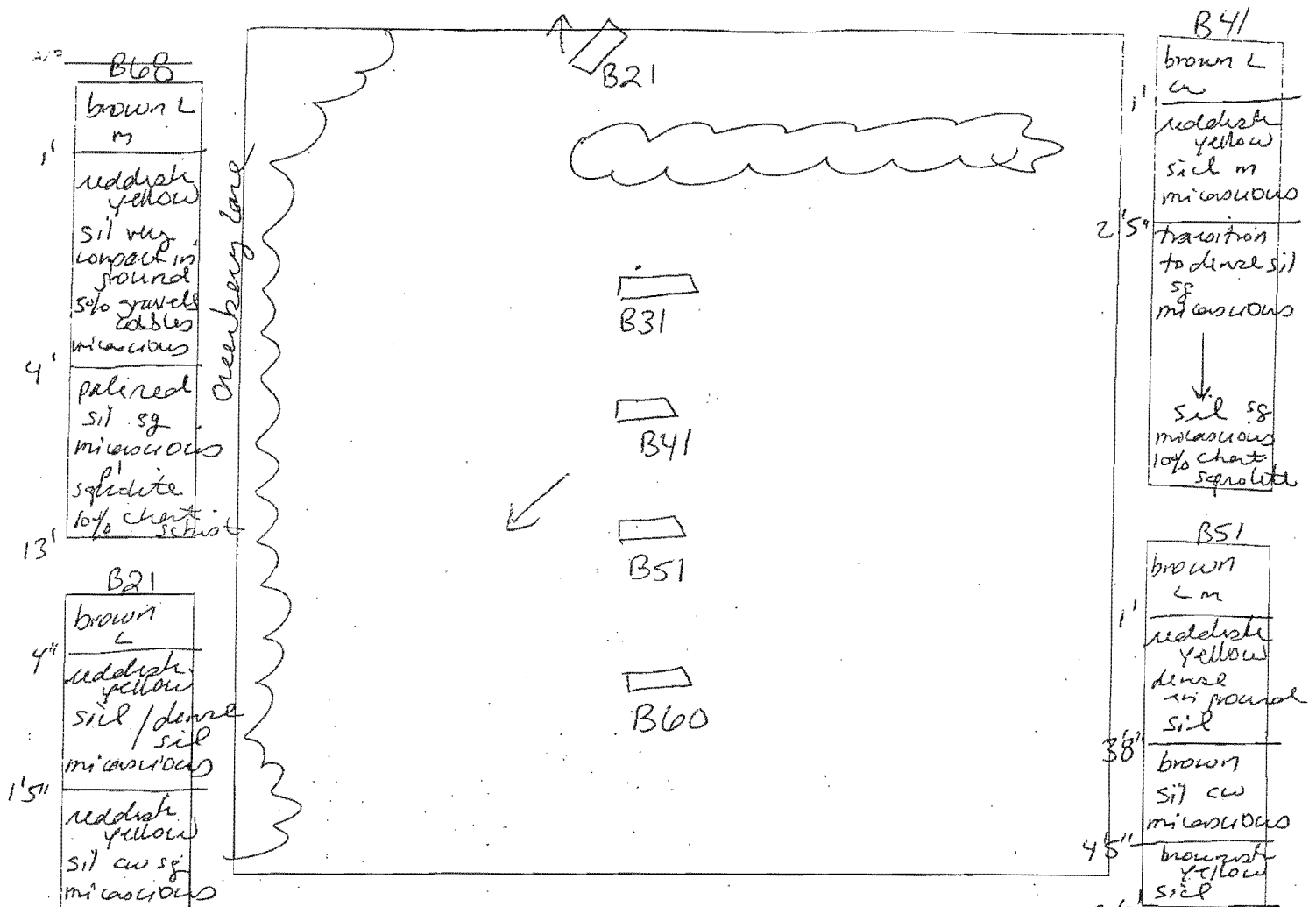
BACKHOE: Fogles

OTHERS: B. Sheeley

TEST HOLES USED IN SDA: _____

AVG. PERC TIME: _____

SQ. FT./BR: _____



B68
brown L
reddish yellow
sil very compact in ground
5% gravel cobbles
micaceous
4'
pale red
sil sg
micaceous
sphaelite
10% chert
schist

B21
brown L
reddish yellow
sil / dense sil
micaceous
1'5"
reddish yellow
sil cw sg
micaceous
↓
fine sil / ls
cw sphaelite
15% chert
coarse chert

B31
brown L
reddish yellow
m sil
micaceous
transition
to dense sil
3'8"
brown
sil sg
micaceous
15-20%
chert
coarse chert
sphaelite
throughout
profile

B41
brown L
reddish yellow
sil m
micaceous
2'5"
transition
to dense sil
sg
micaceous
↓
sil sg
micaceous
10% chert
sphaelite

B51
brown L
reddish yellow
dense
in ground
sil
3'8"
brown
sil cw
micaceous
4'5"
brownish yellow
sil
2'6"
brown
sil micaceous
10-15% chert
sphaelite

B60
brown L
brownish yellow
sil m
micaceous
cw
4'5"
brown
w/pale red
sil sg
micaceous
15% chert
sphaelite

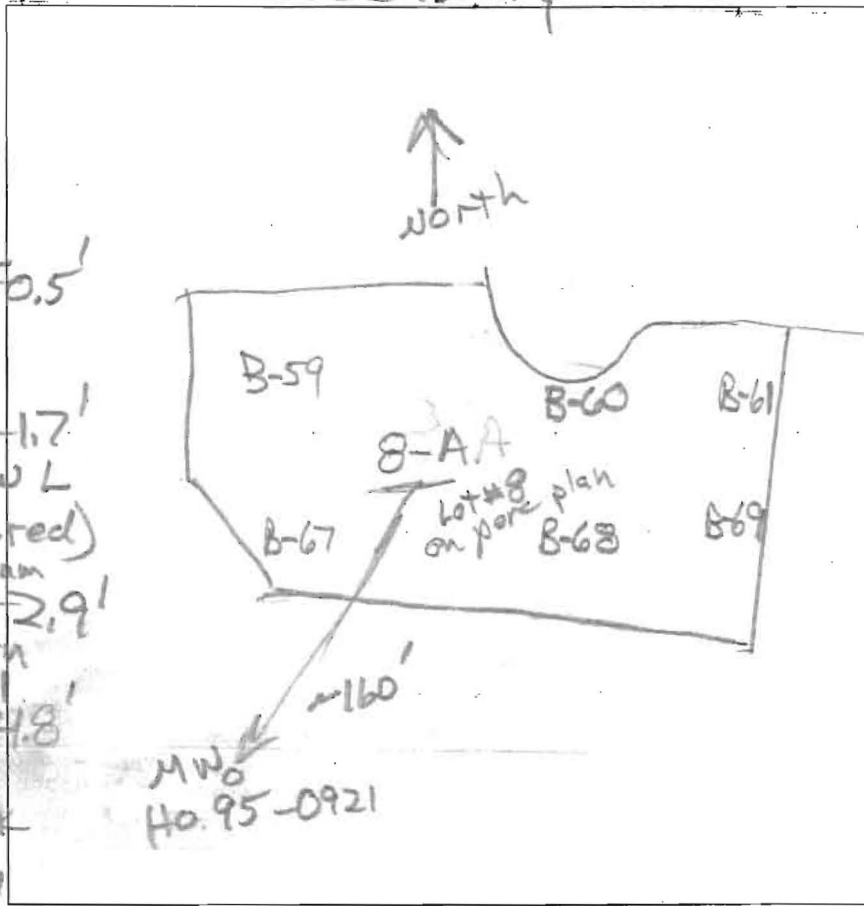
DATE	TEST #	DEPTH	START	BREAK 1" DROP	STOP 2" DRCP	TIME OF 2nd INCH	P/F/H
3/20/06	B21	4' / 14'	10:47 ¹⁴	10:49 ⁴³	10:52 ⁴⁶	3	P
	B31	5'5" / 13'	11:01	11:02 ⁵⁷	11:06	4	P
	B41	5'5" / 13'	11:10 ¹⁷	11:15 ⁴⁸	11:23 ⁰³	8	P
	B51	4'5" / 13'	11:21		too slow		
	"	6'5"	12:48 ¹⁴	12:52 ⁵⁷	1:02	12	P
	B60	5'5" / 13'	11:36 ⁰⁸	11:38 ¹⁷	11:42	4	P
	B68	13'			visual	ok	P

REMARKS: Holes dug per plan
 SANITARIAN: SF
 BACKHOE: Fogles
 OTHERS: B. Sheedey
 TEST HOLES USED IN SDA: _____
 AVG. PERC TIME: _____
 SQ. FT./BR: _____

Greenberry lot 8

AVP

8-A
 dk brn L 0.5'
 yel-red L to brn L 2msbk 1.7'
 pale yellow L m 2p (yel-red) loam 2.9'
 pale yel-brn fsl, 1mpl 4.8'
 yel & brn w/ white & black fsl mica 7'
 grey-brn fsl mica 7'
 red ls micaceous many Mn cat's 12'

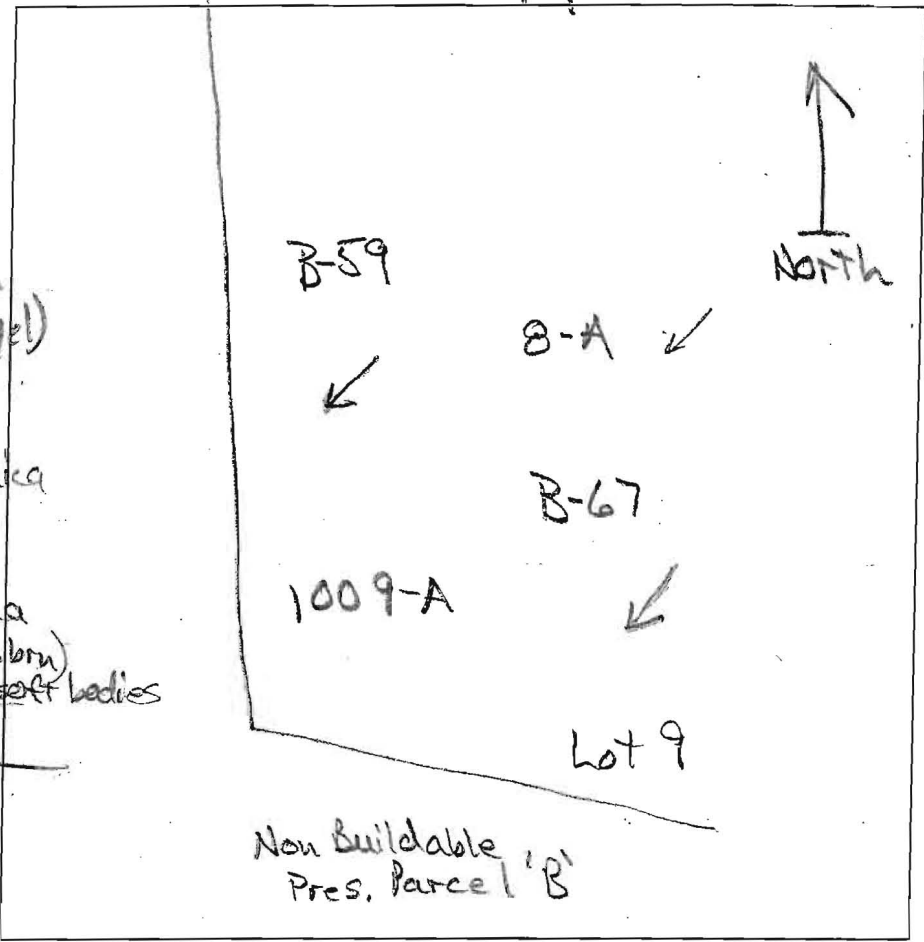


DATE	TEST #	DEPTH	START	BREAK 1" DROP	STOP 2" DROP	TIME OF 2ND INCH	P/F/H
9/8							
11/2/12	8-A	12'	Visual		7' to 8'	OK 0.8 gpd/g 2 P	

REMARKS _____
 SANITARIAN RB BACKHOE JSA OTHERS Jacob Hikmat
 TEST HOLES USED IN SDA _____ AVG. PERC TIME _____ SQ. FT/BR _____
 TRENCH WIDTH _____ INLET DEPTH _____ MAX. BOT DEPTH _____ EFFECTIVE SW _____

Lot 9

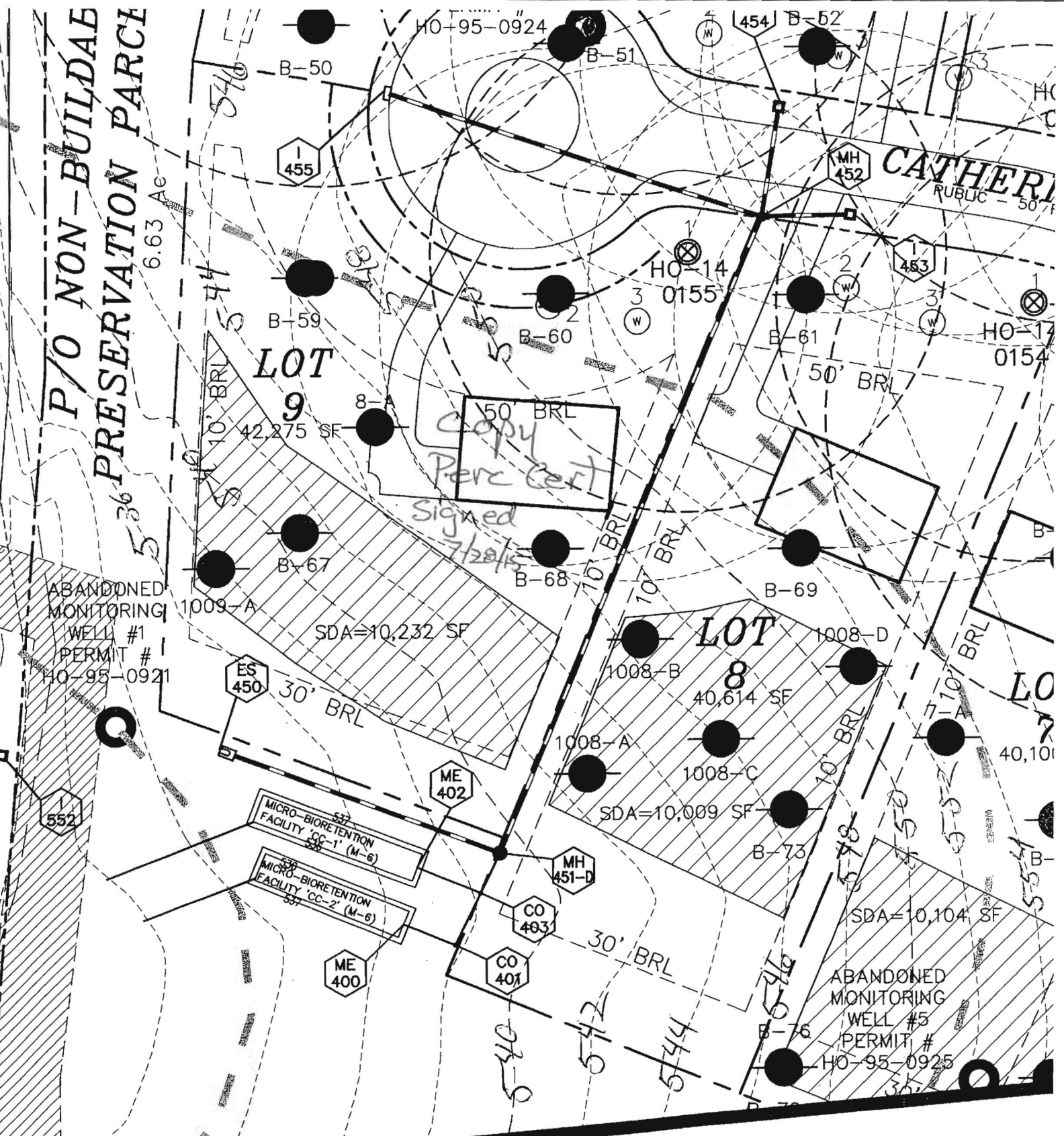
A/P
 1009-A
 0.7' dk brn ls
 1.9' brn cl
 3' brn ls
 5' dense m2d (yel)
 6' yel-brn ls
 few stones
 12' yel-brn ls
 many mica
 flint (dk. brn)
 m2p blk



DATE	TEST #	DEPTH	START	BREAK 1" DROP	STOP 2" DROP	TIME OF 2ND INCH	P/F/H
8/12/13	1009-A	5.5' / 12'	9:30	9:49	10:04	15	P

REMARKS _____
 SANITARIAN R Bricker BACKHOE Nathan OTHERS Jacob hikmat
 TEST HOLES USED IN SDA _____ AVG. PERC TIME _____ SQ. FT/BR _____
 TRENCH WIDTH _____ INLET DEPTH _____ MAX. BOT DEPTH _____ EFFECTIVE S/W _____

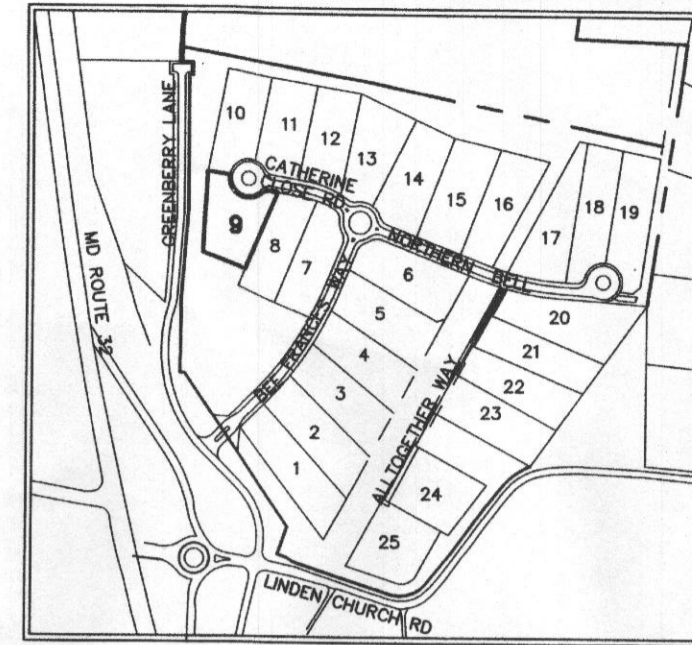
P/O NON-BUILDAB
PRESERVATION PARCE
6.63 Ac



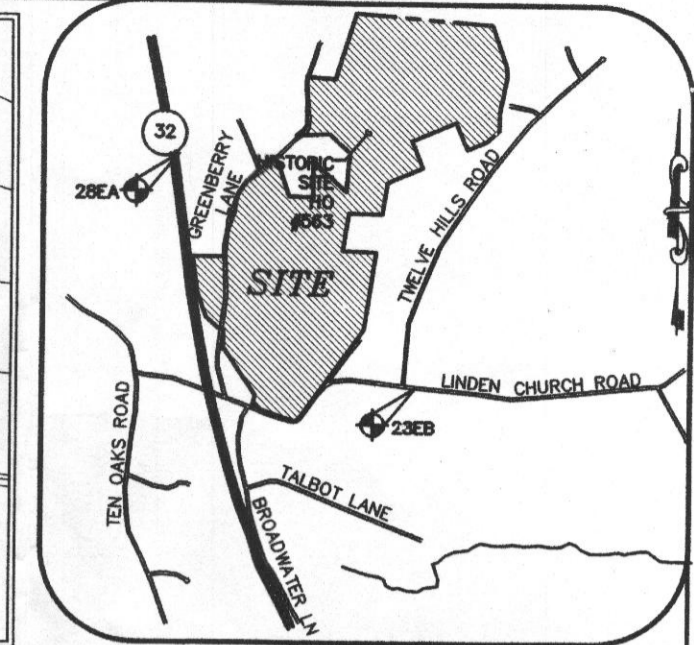
MATCHLINE SHEET 2

SOILS TABLE

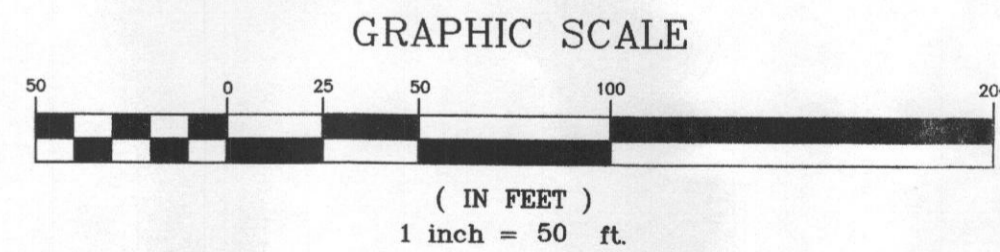
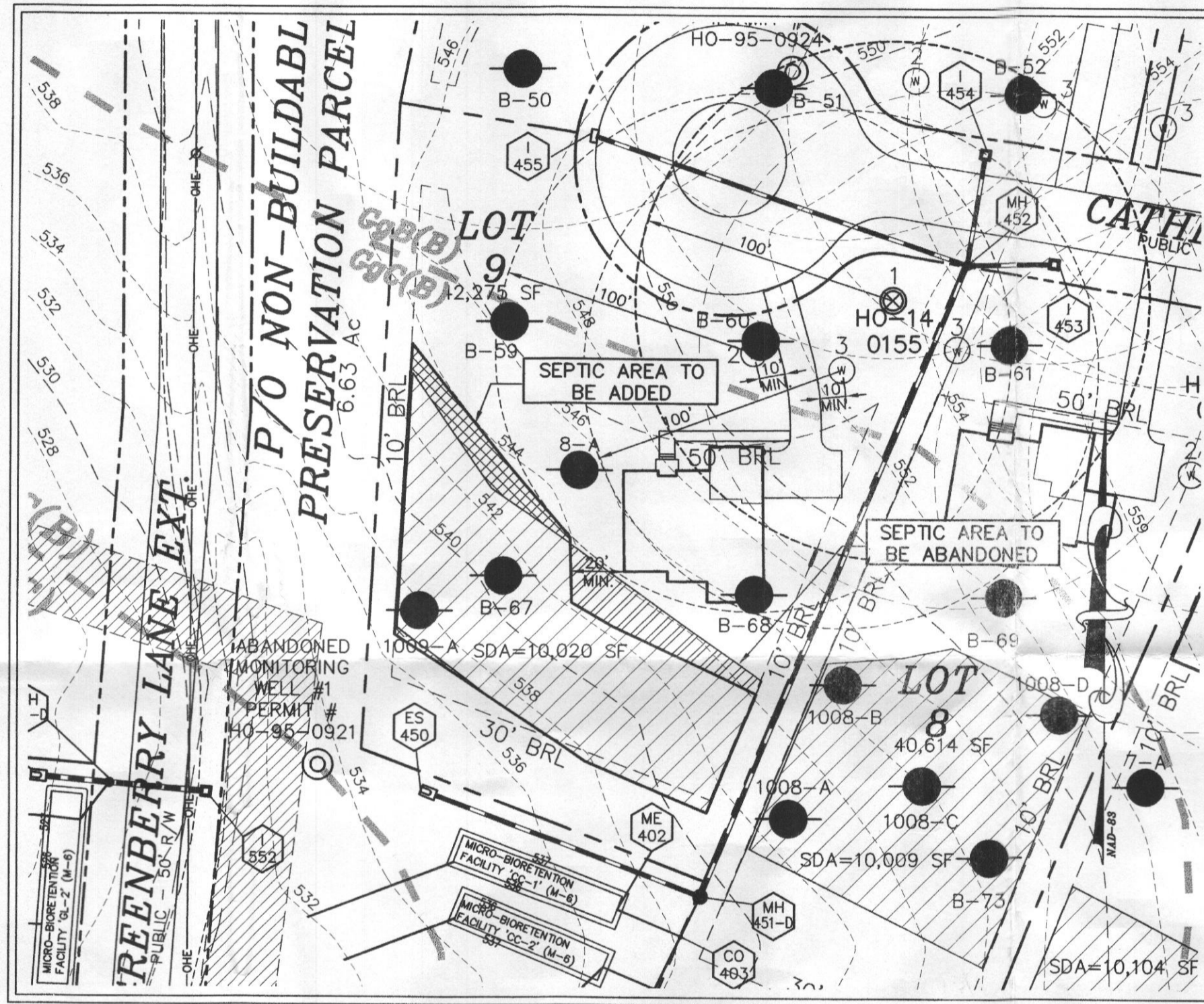
SYMBOL	RATING	NAME	K FACTOR
GgB	(B)	GLENELG LOAM, 3-8% SLOPES.	.20
GgC	(B)	GLENELG LOAM, 8-15% SLOPES.	.20



LOCATION PLAN
SCALE: 1"=600'



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



GENERAL NOTES:

1. THE SUBJECT PROPERTY IS ZONED RR-DEO PER THE 2/2/2004 COMPREHENSIVE ZONING PLAN.
2. **PARCEL BACKGROUND:**
TAX MAP: 28, PARCEL: 48, LOT: 9
ELECTION DISTRICT: FIFTH.
ZONING: RR-DEO.
AREA: 42,275 S.F.
3. TOPOGRAPHY SHOWN HEREON IS BASED ON AERIAL TOPOGRAPHY PERFORMED BY WINGS AERIAL MAPPING ON OR ABOUT 2005. TOPOGRAPHY WAS FIELD VERIFIED IN NOVEMBER, 2012.
4. THE LOT SHOWN HEREON COMPLIES WITH THE MINIMUM OWNERSHIP WIDTH AND LOT AREAS AS REQUIRED BY THE MARYLAND DEPARTMENT OF THE ENVIRONMENT.
5. PRIVATE WELL AND SEPTIC WILL BE UTILIZED.
6. SOILS DATA BASED ON THE USDA SOIL SURVEY OF HOWARD COUNTY, MD, DATED MAY, 2008.
7. THIS AREA DESIGNATES A PRIVATE SEWAGE DISPOSAL AREA OF AT LEAST 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 AREAS 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 SEWAGE DISPOSAL AREA. RECORDATION OF A MODIFIED SEWAGE AREA SHALL NOT BE NECESSARY.
8. THIS SYMBOL DESIGNATES A PASSING PERCOLATION TEST LOCATION
B-67
9. REPRESENTS PROPOSED POTABLE WATER WELL LOCATIONS
1 2 3
10. DRILLED WELL
HO-14
0155
11. ABANDONED MONITORING WELL
12. ANY CHANGES TO A PRIVATE SEWAGE AREA SHALL REQUIRE A REVISED PERCOLATION CERTIFICATION PLAN.
13. TO THE BEST OF OUR KNOWLEDGE ALL ADJACENT WELL AND SEPTIC SYSTEMS WITHIN 100 FEET OF THE PROPERTY HAVE BEEN SHOWN.
14. GROUNDWATER APPROPRIATIONS PERMIT (GAP) NO. HO2014G003(01).

THE PURPOSE OF THIS REVISED PERCOLATION PLAT IS TO RECONFIGURE SEWAGE DISPOSAL AREA ON LOT 9.

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 09/03/18.

R. JACOB HIKMAT 9/23/16
R. JACOB HIKMAT, P.E. /DATE

Michael J. Davis 9/30/16
HOWARD COUNTY HEALTH OFFICER /DATE

Project	date	SEP. 2016	engineering	approval
15-005			MMM	RH
illustration	scale	1"=50'		
	description		revisions	
	no.			

GREENBERRY, LOT 9
12011 CATHERINE CLOSE ROAD, CLARKSVILLE MD
TAX MAP 28, PARCEL 48, LOT 9
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) 997-0288 Fax.