



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 410 991 0296 CELL 1 FAX 410 991 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. 24

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

Proposed Lot 23

AP
23B

dk grey-brn L, vcp
 few mica
 2.5'
 yellowish
 slight sticky
 2.5'
 brown to
 yellowish
 3.5'
 red chsl
 many mica
 6.5'
 red & yellow
 many mica
 5'

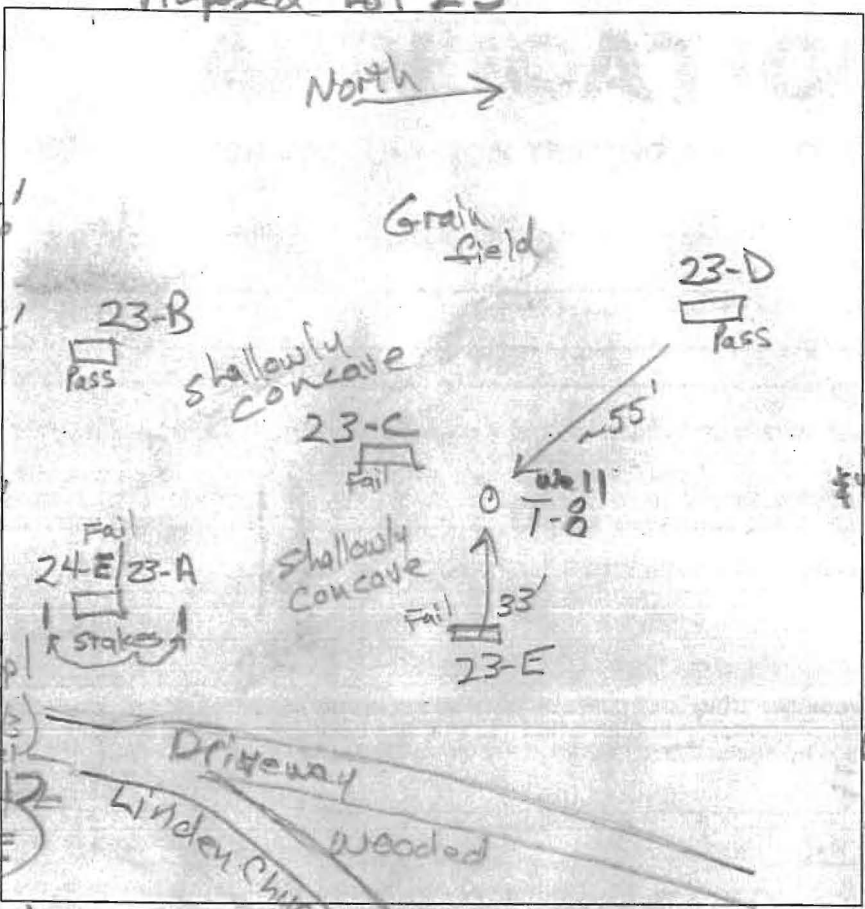
red chsl
 c2p (blk)
 Equip (10YR 6.5)
 water seeps
 2'

23-A/24-E

dk grey-brn L
 to yellowish
 vcp
 2.5'
 brown
 red chsl
 low mica
 1.8'
 red & pale
 yellow
 1.3'

com. mica
 yellowish
 & reddish
 chsl
 many
 mica
 4.5'

brown & grey
 v. dense L
 2.5'



23-D
 dk grey-brn L
 2.5'
 brown chsl
 4.5'
 reddish
 brown
 1'
 chsl
 many mica
 6'
 reddish
 brown
 c2p (blk)
 mica
 8'
 chsl
 mica
 10.5'
 mica
 12'

23-C
 dk grey-brn L
 to yellowish
 vcp
 0.9'
 brown
 2' m. blk
 2'
 brown
 3'
 1' m. blk
 brown
 red
 L com. mica
 5'
 red & grey
 heavy chsl

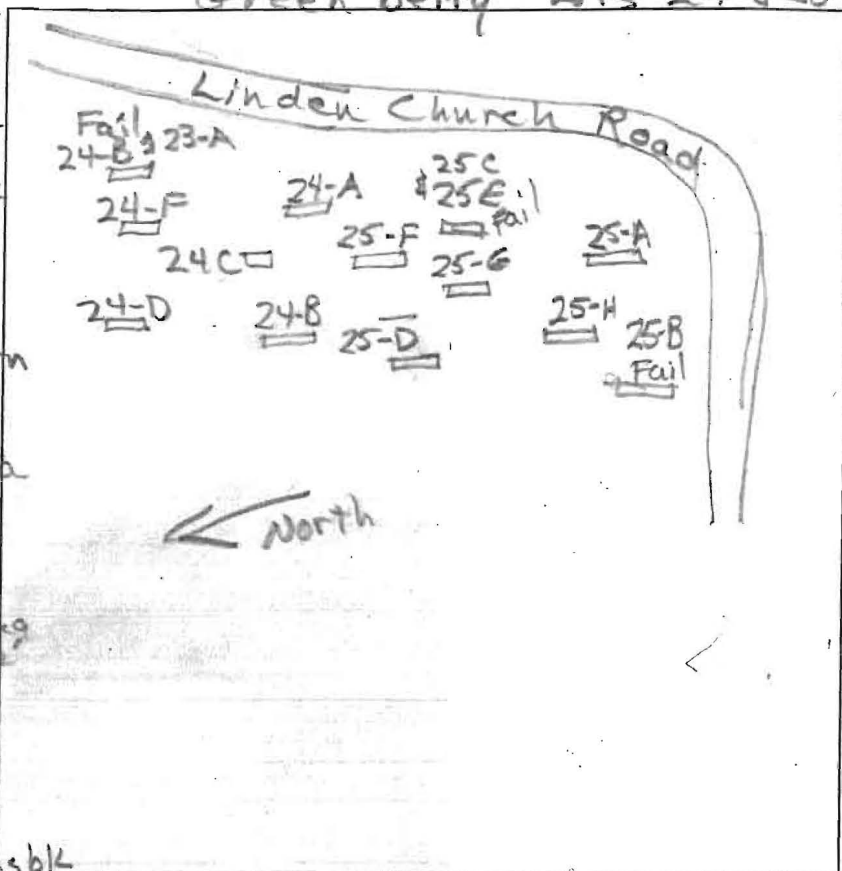
7.5'
 reddish
 brown
 1.5'
 mica
 9'
 pale
 red
 8'
 pale
 brown
 1.5'
 9.2'
 water
 seep
 mica

DATE	TEST #	DEPTH	START	BREAK 1" DROP	STOP 2" DROP	TIME OF 2ND INCH	P/F/H
2/25/13	23-B	5.3'	10:09	10:17	10:31	14	P
2/25/13	23-D	6.5'	7:22	2:25	2:32	7	P
2/25/13	23-A	4.5'	Visual		dense soils internal drainage problem		F
	23-C	4.7'	3:02	3:5	pulled - rest		F
	23-C	6.5'	3:22	3:45	4:15 ⁺	30 ⁺	F
2/25	23-E	4.3'	3:50	4:15 ⁺			F
	23-E						

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

Green berry Lots 24 & 25

AP



24-F
 0.8' dk grey-brn L
 3' vcp
 2' brn L, 2' msbk
 2' yel-red L
 7' msbk
35'
 red & yel-brn
 chsl
 many mica
 6.2' red & pale brn
 chsl, many mica
 10' water seeps
 pale red
 & pale yel-brn
 chsl, many mica

25-F
 0.7' dk grey-brn L
 3' vcp
 1.4' brn L
 2' msbk
 2' brn L, 2' msbk
 1' yel-brn sl
 heavily many
 mica
 2.7' yel-brn sl
 many mica
 10' water seeps
 grey-brn
 many mica
 13' vcp

25-G
 0.7' dk brn L
 1.4' brn L, 2' msbk
 3' red-yel cl
 3' msbk
 4' yel-brn sl
 many mica
 heavily
 4' yel-brn sl
 Impl micaceous
 5' red & brn sl
 Impl, micaceous
 saw channels

25-H
 dk grey-brn L
 3' vcp
 1' brn L, 3' vcp
 1' red-yel cl, 3' msbk
 2.5' red & brn L, 1' msbk
 4' yel-brn sl
 many mica
 6' brn L
 pale yel-brn
 sl, micaceous
 10' few flags
 water seeps
 brn & pale
 sl, micaceous

9.3' w/brn coats
 10.4' pale yel-brn sl
 many mica
 water seeps
 grey-brn sl
 many mica
 platy

sew stones, mica

DATE	TEST #	DEPTH	START	BREAK 1" DROP	STOP 2" DROP	TIME OF 2ND INCH	P/F/H
4/15/13	24-F	5.8' 10'	9:51	10:06	10:26	20	P
4/15/13	25-F	5.7' 10'	10:29	10:37	10:49	12	P
4/15/13	25-H	6' 10'	10:59	11:19	11:48	29	P
4/15/13	25-G	10.4'	Visual	4' to 6' OK	0.8 gpd/ft ²		P

REMARKS _____

SANITARIAN RB BACKHOE Nathan OTHERS Jacob Hikmat

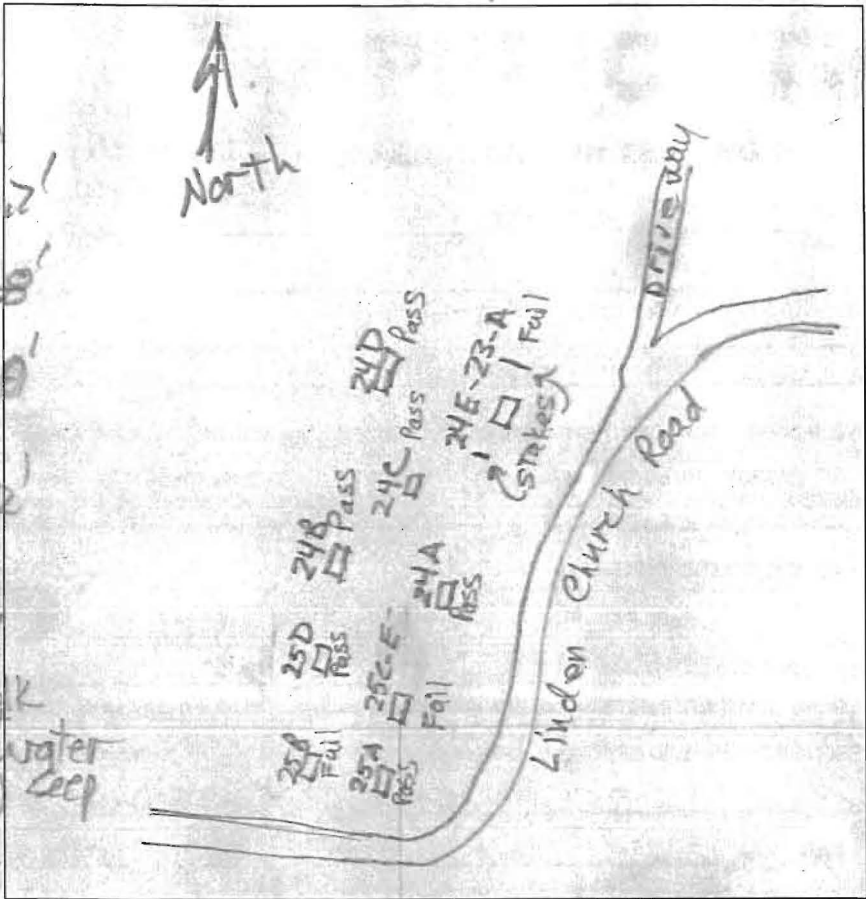
TEST HOLES USED IN SDA _____ AVG. PERC TIME _____ SQ. FT/BR _____

TRENCH WIDTH _____ INLET DEPTH _____ MAX. BOT DEPTH _____ EFFECTIVE SW _____

Lot 24

AVP

24-D
 dk gray-brn L, 3 cpl
 yel-brn cl 2msbk
 red brn L 1msbk
 red cl many mica
 red, yel & blk ch. sl many mica
 pale red, yel-brn & blk
 pale red, pale yel (mtp) & BK (c2p)



24-B
 dk brn L
 brn cl 2msbk
 brn cl 1msbk
 brn L 1msbk
 red & brn sl
 brn & yel-brn ls, micaceous
 grey & yel-brn ls, micaceous

24-A
 dk gray-brn ls 1 cpl
 brn & gray-brn L, 2 cpl
 brn cl 2msbk to 2msbk to 1msbk
 red & brn L
 red & brn sl, many mica
 brn ls impl, many mica
 brn-yellow ls, many mica
 2p (blk)
 water seeps yellow-brn & olive
 Mn coats

24C
 dk gray-brn L 2 cpl
 yel-brn L 1msbk
 brn cl 2msbk
 brn L

DATE	TEST #	DEPTH	START	BREAK 1" DROP	STOP 2" DROP	TIME OF 2ND INCH	P/F/H
2/25/13	24-D	9'	Visual	side wall	0.33 ppl	1:5	P
2/25/13	24-B	6' 10"	11:04	11:21	11:46	25	P
2/25/13	24-C	5' 3" / 9'	1:43	1:48	1:57	9	P
2/25/13	24-A	5' 4" / 10'	1:48	1:50	1:53	3	P
2/25/13	24-E	4.5'	Visual	dense soils	internal drainage		F
	23-A						

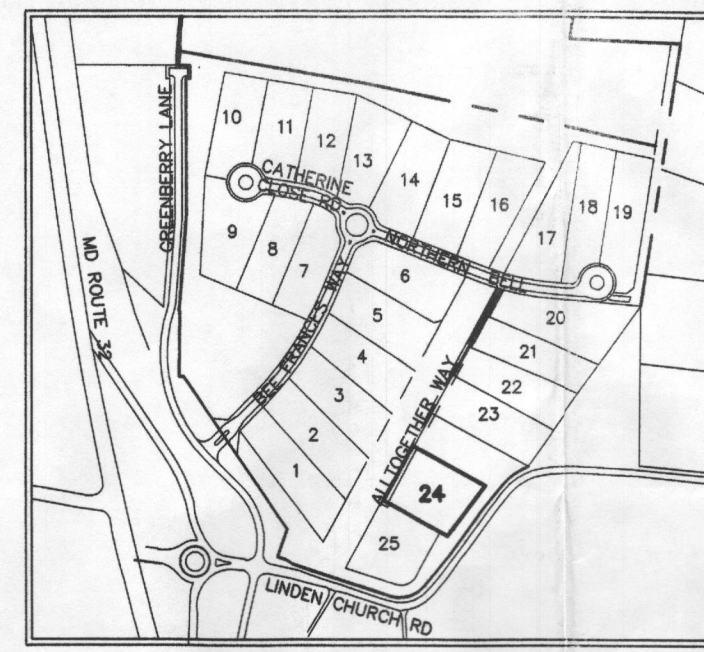
brn & red sl, mica
 brn ls micaceous 1 impl
 grey & yellow olive
 3 cpl (blk)

REMARKS _____
 SANITARIAN RB BACKHOE Nathan/Juan OTHERS Jacob Hikmat
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 TRENCH WIDTH _____ INLET DEPTH _____ MAX. BOT DEPTH _____ EFFECTIVE S/W _____

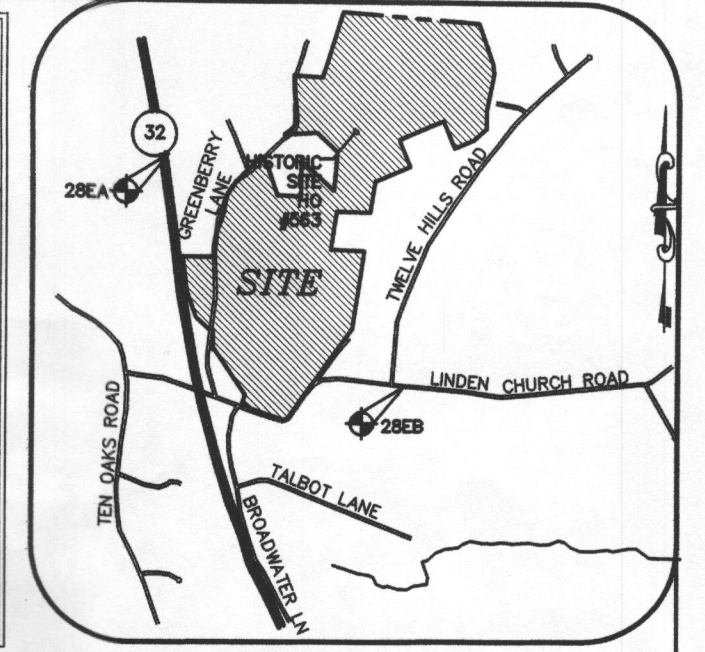
APPARENT U.T.

SOILS TABLE

SYMBOL	RATING	NAME	K FACTOR
GgB	(B)	GLENELG LOAM, 3-8% SLOPES.	.20
GmB	(C)	GLENVILLE SILT LOAM, 3-8% SLOPES.	.35



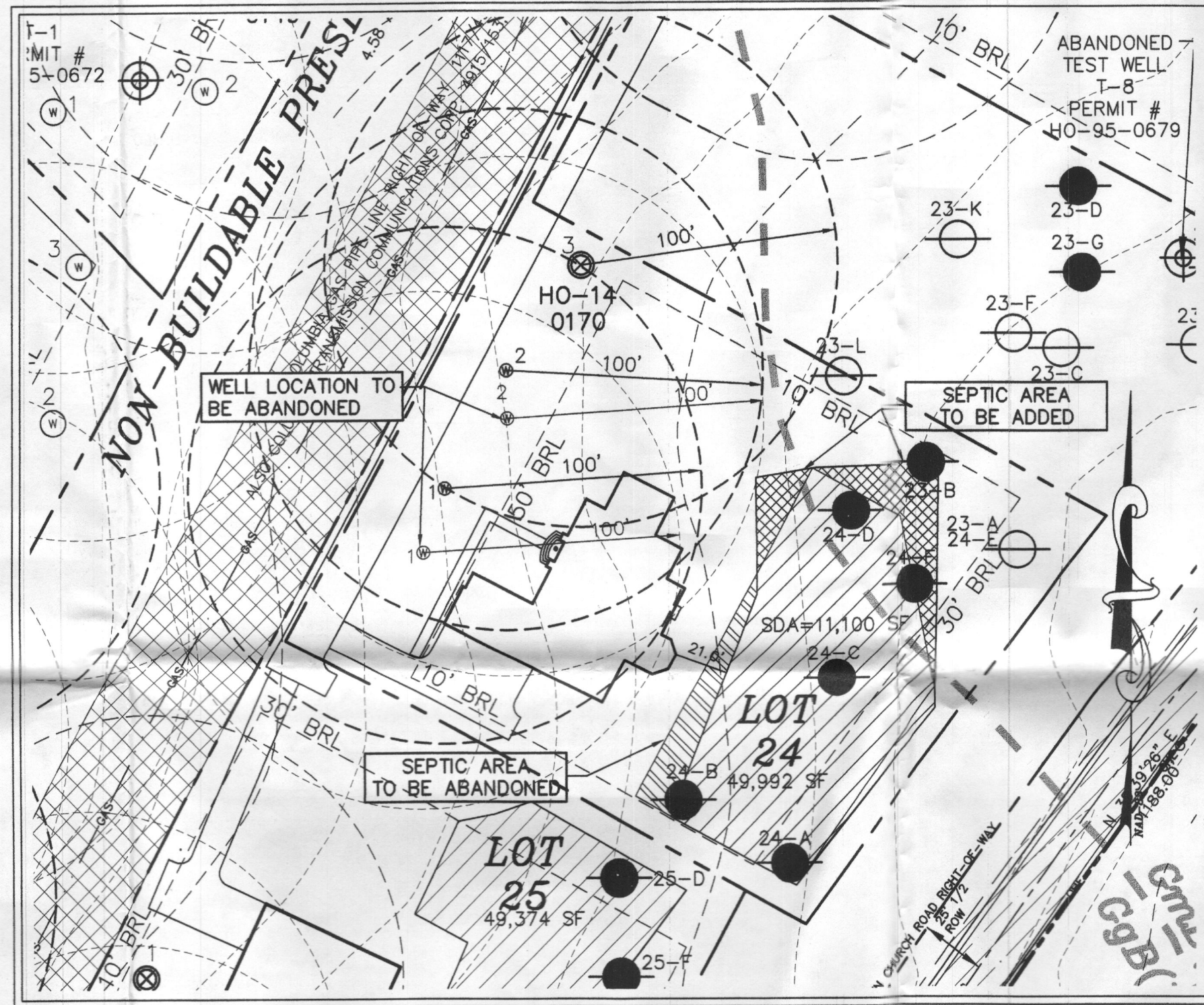
LOCATION PLAN
SCALE: 1"=600'



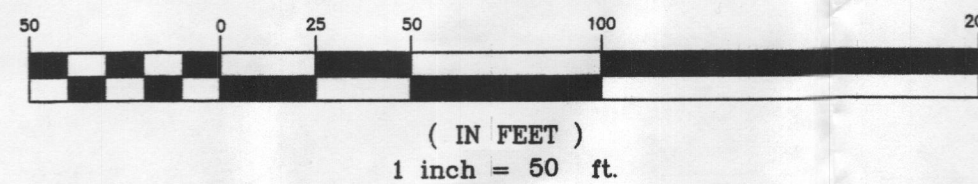
VICINITY MAP
SCALE: 1" = 2000'
ADC MAP 24 GRID F6

GENERAL NOTES:

- THE SUBJECT PROPERTY IS ZONED RR-DEO PER THE 2/2/2004 COMPREHENSIVE ZONING PLAN.
- PARCEL BACKGROUND:**
TAX MAP: 28 PARCEL: 48, LOT: 24
ELECTION DISTRICT: FIFTH.
ZONING: RR-DEO.
AREA: 49,992 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
- THIS SYMBOL DESIGNATES A FAILING PERCOLATION TEST LOCATION
- REPRESENTS PROPOSED POTABLE WATER WELL LOCATIONS
- DRILLED WELL
HO-14 0170
- 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).
- DUE TO THE LOW TOPOGRAPHIC POSITION AND LOCATION NEAR A PAVED ACCESS ROAD THAT SERVES SEVERAL LOTS, THE WELL ON LOT 24 MUST BE SAMPLED AND ANALYSES PERFORMED FOR TOTAL DISSOLVED SOLIDS (TDS), CHLORIDES, AND SODIUM. THESE ANALYSES MUST BE COMPLETED PRIOR TO OCCUPANCY OF THE PROPOSED RESIDENCE. THE HEALTH DEPARTMENT WILL NOT RELEASE THE INTERIM CERTIFICATE OF POTABILITY (I.C.O.P.) WITHOUT THE REQUIRED ANALYSES BEING COMPLETED AND THE DATA REPORTED TO THE HEALTH DEPARTMENT.



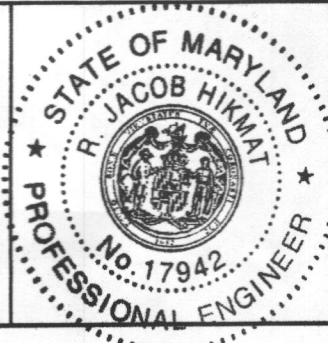
GRAPHIC SCALE



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.

DATE

6/15/16

THE PURPOSE OF THIS REVISED PERCOLATION PLAT IS TO RELOCATE PROPOSED RESERVE WELLS # 1 AND 2 AND RECONFIGURE SEPTIC EASEMENT ON LOT 24.

Project	date	approval
15-005	JUNE 2016	MMM
illustration	engineering	MMM
scale	1"=50'	RJH

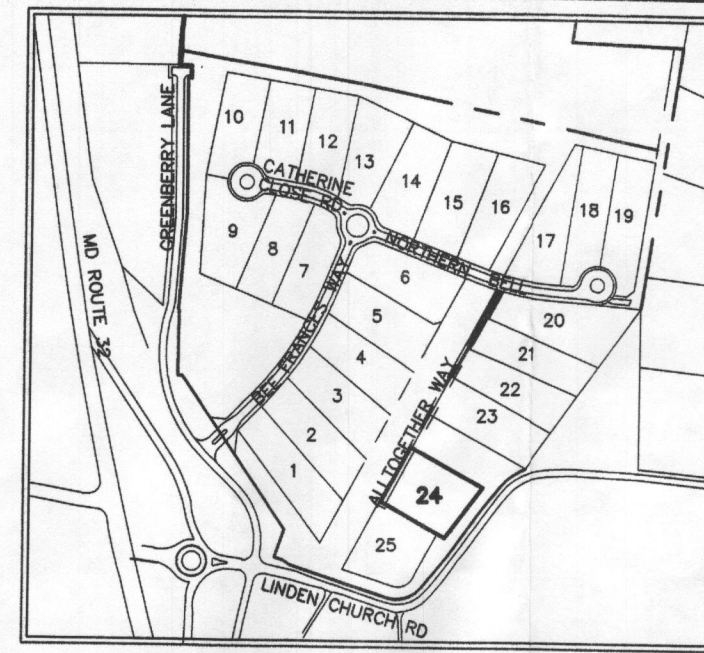
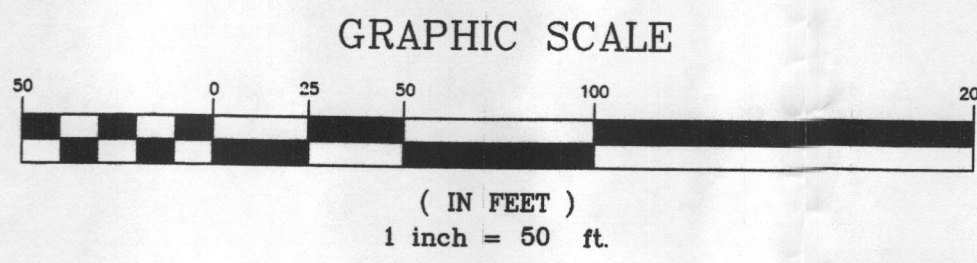
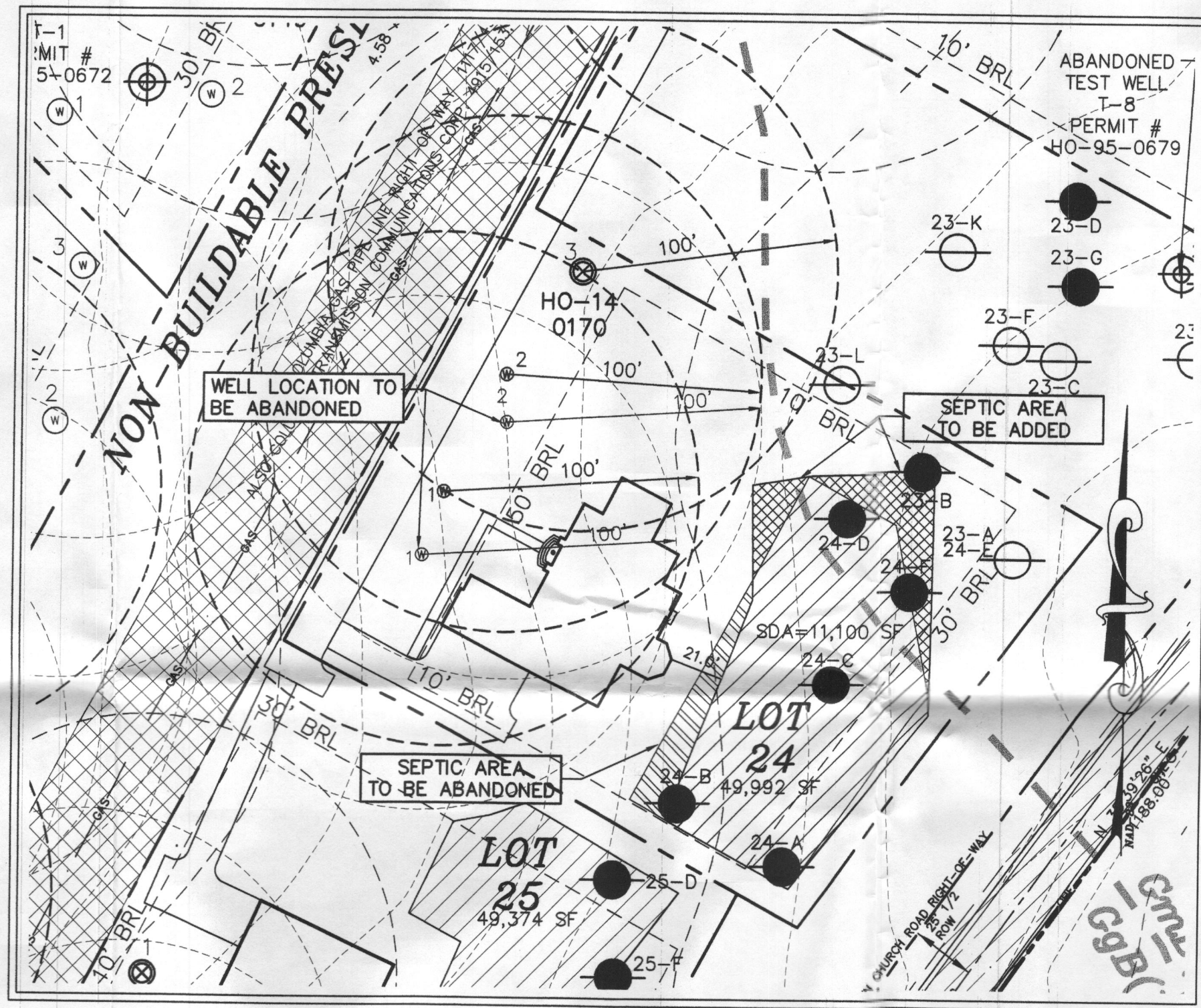
no.	description	date	revisions

GREENBERRY, LOT 24
5023 ALTOGETHER WAY, CLARKSVILLE MD
TAX MAP 28, PARCEL 48, LOT 24
FIFTH ELECTION DISTRICT
HOWARD COUNTY
REVISED PERCOLATION CERTIFICATION PLAN

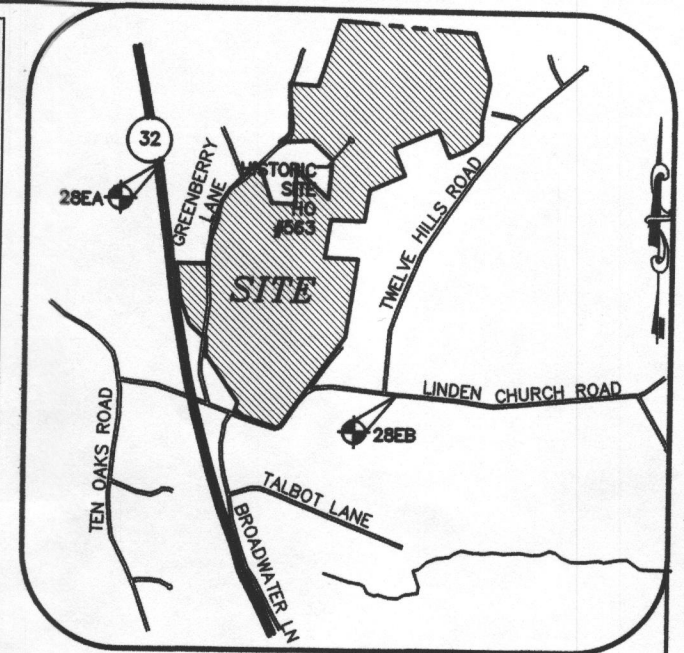
MILDENBERG, BOENDER & ASSOC., INC.
Engineers Planners Surveyors
7350-B Grace Drive, Columbia, Maryland 21044
(410) 997-0296 Fax (410) 997-0296

SOILS TABLE

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SCALE: 1"=600'



VICINITY MAP
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ADC MAP 24 GRID F6

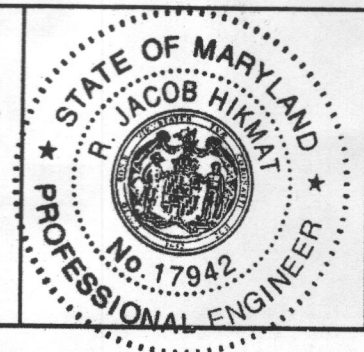
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24-A
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23-A
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1 2 3
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HO-14 0170
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- GROUNDWATER APPROPRIATIONS PERMIT (GAP) NO. HO2014G003(01).
- DUE TO THE LOW TOPOGRAPHIC POSITION AND LOCATION NEAR A PAVED ACCESS ROAD THAT SERVES SEVERAL LOTS, THE WELL ON LOT 24 MUST BE SAMPLED AND ANALYSES PERFORMED FOR TOTAL DISSOLVED SOLIDS (TDS), CHLORIDES, AND SODIUM. THESE ANALYSES MUST BE COMPLETED PRIOR TO OCCUPANCY OF THE PROPOSED RESIDENCE. THE HEALTH DEPARTMENT WILL NOT RELEASE THE INTERIM CERTIFICATE OF POTABILITY (I.C.O.P.) WITHOUT THE REQUIRED ANALYSES BEING COMPLETED AND THE DATA REPORTED TO THE HEALTH DEPARTMENT.

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

Mauro Rossman 6/21/2016
HOWARD COUNTY HEALTH OFFICER DATE



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revisions	description	no.

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TAX MAP 28, PARCEL 48, LOT 24
FIFTH ELECTION DISTRICT
HOWARD COUNTY
REVISED PERCOLATION CERTIFICATION PLAN

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