

APPLICATION

FOR PERCOLATION TESTING AND SITE EVALUATION

TEST DATE(S) _____ TEST TIME _____

AP 531370 B

AGENCY REVIEW: _____

DATE 6-28-12

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 5 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) JANET MARSHALL (CHM, LLC.)

DAYTIME PHONE (410) 531-1460 CELL N/A FAX N/A

MAILING ADDRESS 5027 TEN OAKS ROAD CLARKSVILLE MD 21029
STREET CITY/TOWN STATE ZIP

APPLICANT JEREMY RUTTER

DAYTIME PHONE N/A CELL (410) 982-2882 FAX N/A

MAILING ADDRESS P.O. Box 126 LISBON MARYLAND 21765
STREET CITY/TOWN STATE ZIP

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

PROPERTY LOCATION
SUBDIVISION/PROPERTY NAME 5027 TEN OAKS ROAD LOT NO. 3

PROPERTY ADDRESS CLARKSVILLE, MD 21029
STREET TOWN/POST OFFICE

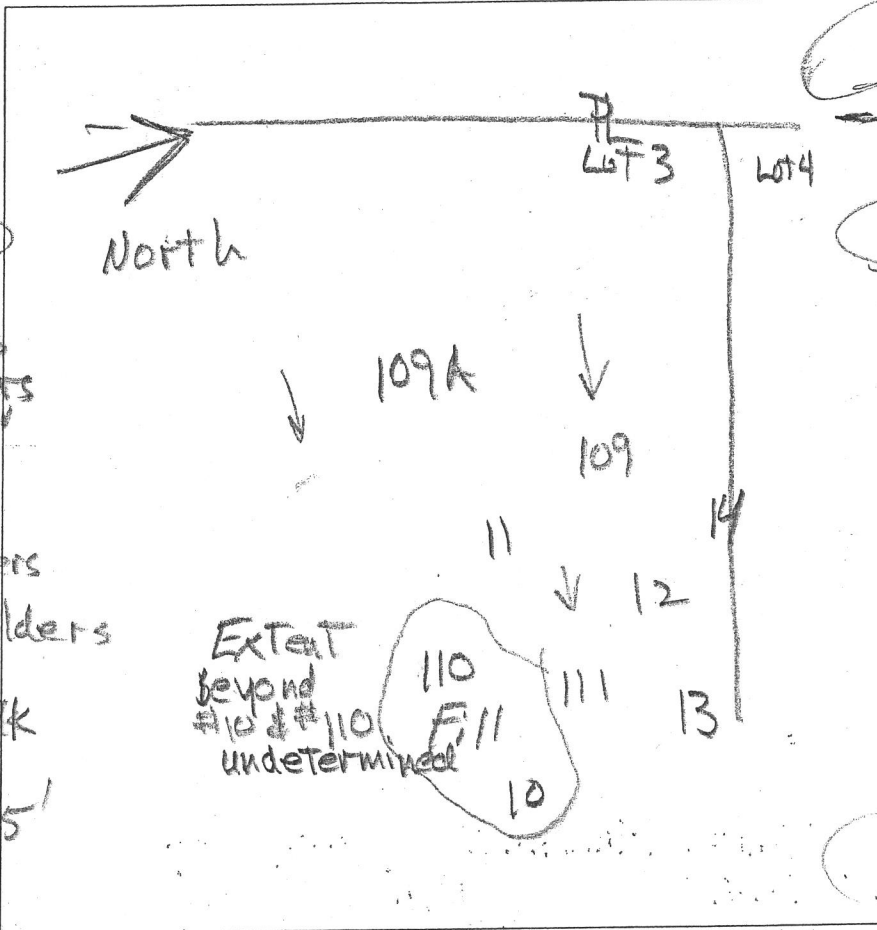
TAX MAP PAGE(S) 28 GRID 9 PARCEL(S) 45 PROPOSED LOT SIZE 1

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.

Jeremy Rutter
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



13
brn L
yel-red L
1.2
brn ls
micaceous
few boulders
6.8'
brn ls
micaceous
few channers
9' several boulders
brn ls
w/ yel-red & blk
micaceous
1 m pl
12.5'
dk grey-brn
ls, many mica
moist
13'

Fill
0.5' brn ls
many mica
yel & yel-red
1.7' blk few mica
red, brn
& dk grey-brn
ls, many mica
10' 1 fpl
pale red &
pale brn ls
m 7 p (blk)
& m 7 p (white)
12'
14
dk grey-brn
L. mica
0.3'
brn ls
many mica
0.9' brn & blk ls
micaceous
1 fpl
1.6' brn & yel-brn
ls, mica
6' yel-brn ls
micaceous
2 fpl
8'
brn ls
micaceous
2 fpl
12'

DATE	TEST #	DEPTH	START	BREAK 1" DROP	STOP 2" DROP	TIME OF 2ND INCH	P/F/H
12/12/12	13	12.5'	Visual	side wall	1.2 gpd	1.5-8 1.2-2	P
12/12/12	10	unk	Visual		Fill to 7'		F
12/12/12	12	19' 12'	0	2	6	4	P
12/12/12	11	3.3' 12'	0	1.6	5.6	4	P
12/12/12	14	3' 12'	0	1.5	3.5	2	P

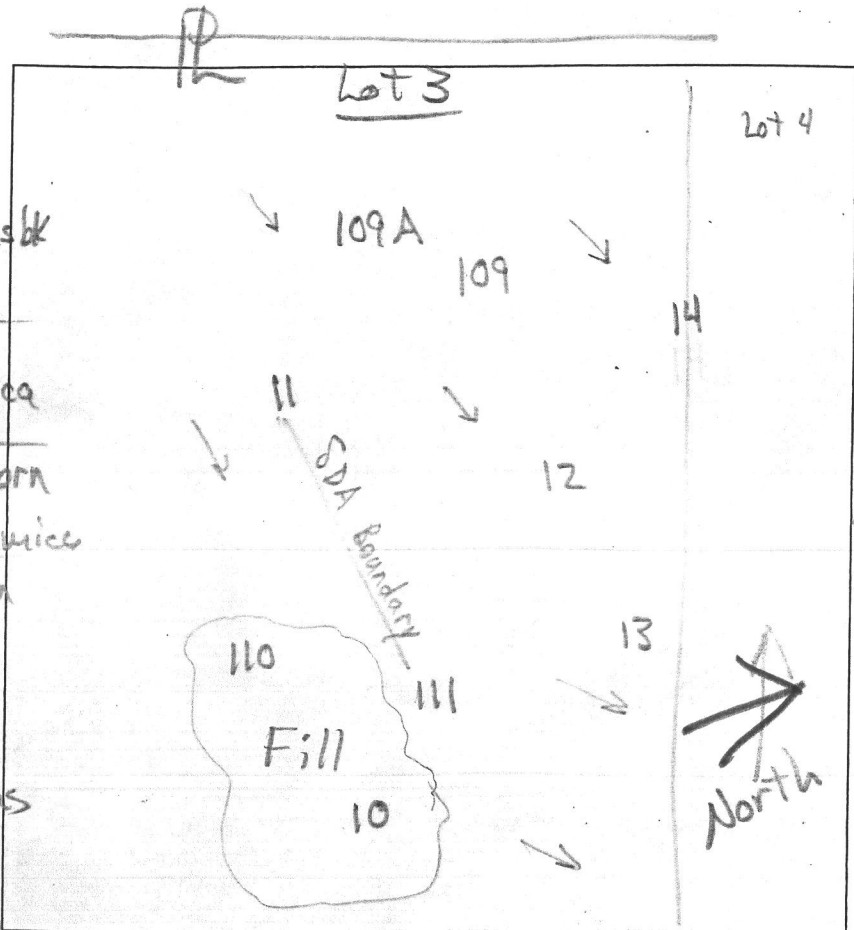
10
loamy soils
barrier
wood, old surface
horizontal
11
brn ls
many mica
0.1'
red, yel-brn
and dk grey-brn
ls, many mica
pale red
yel & blk
2 m pl
13'

10
loamy soils
barrier
wood, old surface
horizontal
11
brn ls
many mica
0.1'
red, yel-brn
and dk grey-brn
ls, many mica
pale red
yel & blk
2 m pl
13'

REMARKS _____
 SANITARIAN RB BACKHOE Chuck Zepp OTHERS Jeremy Rutter
 TEST HOLES USED IN SDA _____ AVG. PERC TIME _____ SQ. FT/BR _____
 TRENCH WIDTH _____ INLET DEPTH _____ MAX. BOT DEPTH _____ EFFECTIVE SW _____

RECEIVED
 JUN 28 2012
 BUREAU OF ENVIRONMENTAL HEALTH
 TOWNSHIP OF WARDEN COUNTY HEALTH DEPT.

A/P _____



109
 dk brn sl
 7' brn sl, 1msbk
 1.4' brn gr ls
 red & brn ls, many mica
 2.5' yel-brn & dkbrn ls, Ø sg many mica
 4.5' brn & dk brn ls, Ø m many mica

109-A
 dk brn sl few channers
 0.2' brn sl 1msbk common mica
 1' brn ls 1/2 sbk, many mica
 1.8' brn ls 3 m pl 100% channers micaceous
 2.5' yel-brn & dkbrn ls Ø sg
 4' brn & dk brn ls Ø m many mica
 11' brn ch ls micaceous
 11.5'

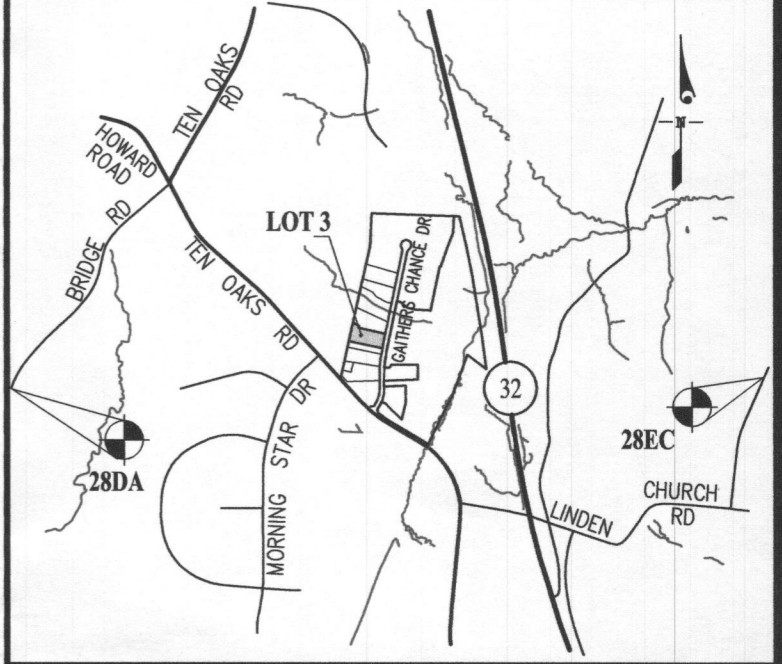
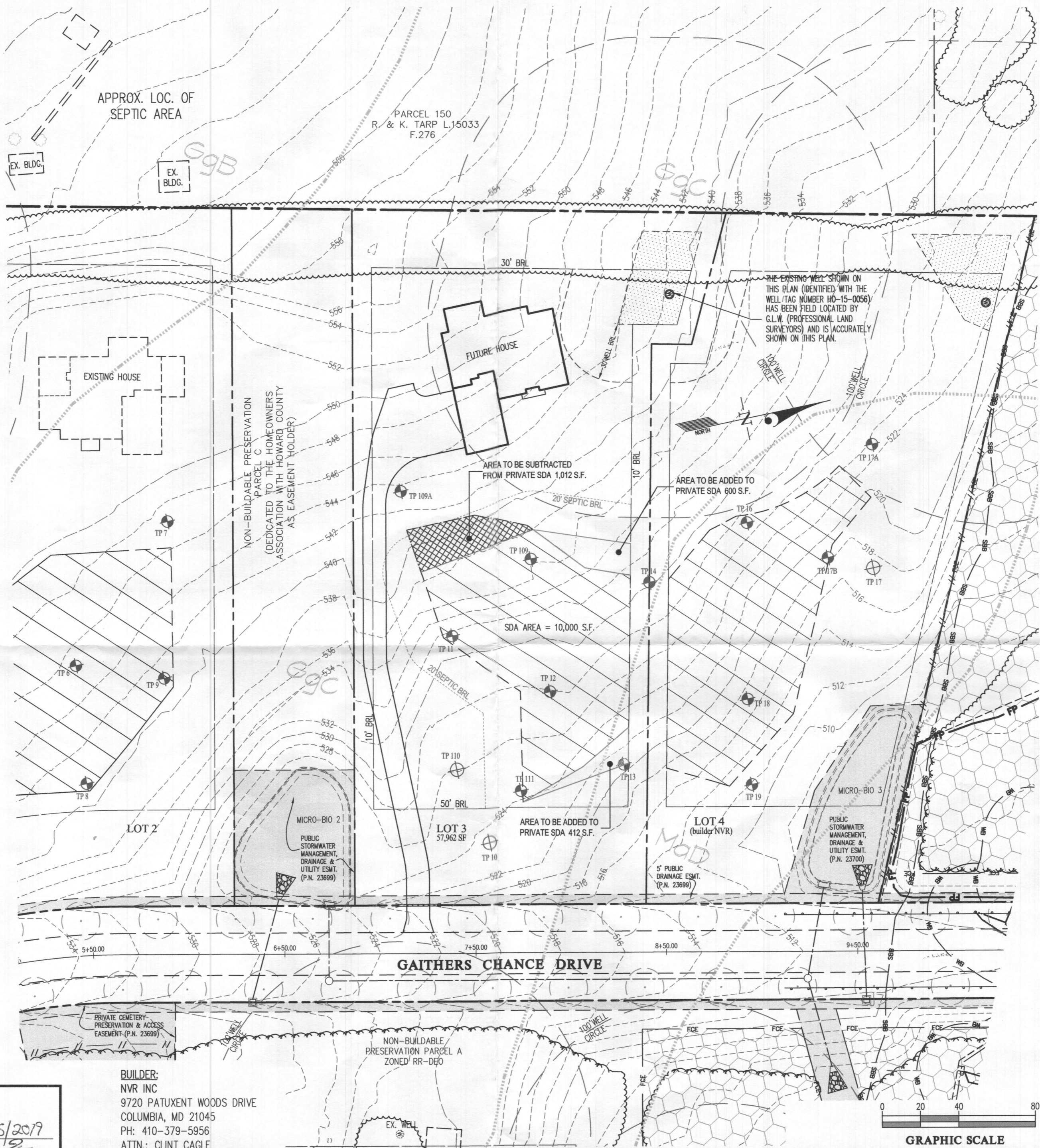
110
 brown oams
 4' dk grey sticks, twigs bark

111
 dk grey brn sl, 1/2 sbk
 0.2' brn sl

112
 brn ch ls many mica m2p (blk)
 3.3' red & yel-brn ls, Ø m, many mica
 10.5' grey-brn sl ls micaceous
 11.5'

DATE	TEST #	DEPTH	START	BREAK 1" DROP	STOP 2" DROP	TIME OF 2ND INCH	P/F/H
5/29/13	109	3.2' / 11'	0	mis 0:55	mis 1:54	mis * 0:59	check bottom
5/29/13	109A	3.2' / 11'	0	mis 1:30	mis 3:38	mis * 2:08	P
5/29/13	109	11'	Visual	holds 10 gal. H ₂ O more than 10 min.			P
5/29/13	110	Visual	Fill to ≥ 7'				F
5/29/13	111	3' / 10.5'	1:34	1:36	1:39	3	P

REMARKS Draw boundary of SDA #111 to #11
 SANITARIAN R. Bricker BACKHOE Chuck Zopp OTHERS Jeremy Rutter
 TEST HOLES USED IN SDA _____ AVG. PERC TIME _____ SQ. FT/BR _____
 TRENCH WIDTH _____ INLET DEPTH _____ MAX. BOT DEPTH _____ EFFECTIVE SW _____



VICINITY MAP
SCALE: 1" = 2,000'

BENCHMARKS	ADC MAP: 24
GRID: E5	
28DA ELEV. 564.382 N = 570,624.996 E = 1,314,434.172	
28EC N = 570,757.386 E = 1,322,274.727	

- GENERAL NOTES**
- THE AREA SHOWN THIS: [Hatched symbol] DESIGNATES PRIVATE SEWAGE DISPOSAL AREA OF 10,000 SQUARE FEET AS REQUIRED BY THE MARYLAND STATE DEPARTMENT OF THE ENVIRONMENT FOR INDIVIDUAL SEWAGE DISPOSAL. IMPROVEMENTS OF ANY NATURE IN THIS AREA ARE RESTRICTED. THIS SEWAGE DISPOSAL AREA SHALL BECOME NULL AND VOID UPON CONNECTION TO A PUBLIC SEWAGE SYSTEM. THE COUNTY HEALTH OFFICER SHALL HAVE THE AUTHORITY TO GRANT ADJUSTMENTS TO THE PRIVATE SEWAGE AREA. RECORDATION OF A REVISED SEWAGE AREA SHALL NOT BE NECESSARY.
 - ANY CHANGES TO A PRIVATE SEWAGE DISPOSAL AREA SHALL REQUIRE A REVISED PERCOLATION CERTIFICATION PLAN.
 - THE LOTS SHOWN HEREON WAS RECORDED ON PLAT Nos. 23698 - 23702. REFER TO PLAT FOR DIMENSIONS, LOT AREAS, ALL EASEMENTS, ANY RESTRICTIONS, AND PROVISIONS.
 - EXISTING TOPOGRAPHY SHOWN IS FROM AERIAL TOPO DONE BY MCKENZIE-SNYDER, NOVEMBER 2013 AND F-15-043 GRADING.
 - ALL WELL AND SEPTIC SYSTEMS LOCATED WITHIN 100' OF THE PROPERTY BOUNDARIES AND 200' DOWN GRADIENT OF ANY WELLS AND/OR SEPTIC SYSTEMS HAVE BEEN SHOWN.
 - APPROVAL OF THIS PERC CERTIFICATION PLAN DOES NOT GUARANTEE THAT THE SEWAGE DISPOSAL AREA ESTABLISHED WILL BE SUFFICIENT FOR A PROPOSED HOUSE. A SYSTEM DESIGN PLAN SHOWING 3 SYSTEMS FITTING IN THE AREA BASED ON THE PROPOSED NUMBER OF BEDROOMS MUST BE APPROVED BY THE HEALTH DEPARTMENT BEFORE HEALTH APPROVAL OF A BUILDING PERMIT. IF 3 SYSTEMS DO NOT FIT, THE AREA MAY NEED TO BE REVISED OR THE PROPOSED NUMBER OF BEDROOMS REDUCED.
 - THE MARYLAND DEPARTMENT OF THE ENVIRONMENT HAS REVIEWED THE PROPOSED WELL AND SEWAGE DISPOSAL AREA LOCATIONS ILLUSTRATED ON THIS PLAN AS RECOMMENDED BY THE HOWARD COUNTY HEALTH DEPARTMENT, AND HAS GRANTED A VARIANCE TO ALLOW WELL LOCATIONS ON GAITHER'S CHANCE BUILDABLE PRESERVATION PARCEL 'A' TO BE DOWNGRADIENT OF THE SEWAGE DISPOSAL AREA ON GAITHER'S CHANCE LOT 3 PURSUANT TO THE FOLLOWING CONDITIONS:
 - WELLS WILL BE REQUIRED TO HAVE STEEL CASING TO A MINIMUM DEPTH OF 50 FEET, OR 10 FEET INTO COMPLETE BEDROCK, WHICHEVER IS DEEPER, AND BE AT LEAST 200 FEET DISTANCE FROM ANY SEPTIC SYSTEM DRAINFIELD THAT IS UPGRADIENT.
 - THE SEPTIC SYSTEMS INSTALLED ON LOT 3 WILL HAVE THESE CHARACTERISTICS:
 - A BAT UNIT MUST BE INSTALLED IN THE INITIAL SYSTEM.
 - ALL DRAINFIELDS INSTALLED IN THE LOT 3 SDA WILL BE DESIGNED FOR LOW-PRESSURE DISTRIBUTION OR EQUIVALENT.

PLAN LEGEND

- EXISTING WELL LOCATION
- WELL BOX AREA
- EXISTING PRIVATE SEWAGE DISPOSAL AREA
- PRIVATE SEWAGE DISPOSAL EXPANSION AREA TO BE ADDED
- PRIVATE SEWAGE DISPOSAL EXPANSION AREA TO BE SUBTRACTED
- TP # PERCOLATION TEST HOLES (PASSED)
- TP # PERCOLATION TEST HOLES (FAILED)

SOILS CHART:

MAP UNIT	MAP UNIT NAME	TYPE
MoD	MANOR LOAM, 15 TO 25 PERCENT SLOPES	B
GgC	GLENELG LOAM, 8 TO 15 PERCENT SLOPES	B

SOILS DELINEATION LINE

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

Written for Mauro Resonan 2/25/2019
HEALTH OFFICER, HOWARD COUNTY HEALTH DEPT. DATE

BUILDER:
NVR INC
9720 PATUXENT WOODS DRIVE
COLUMBIA, MD 21045
PH: 410-379-5956
ATTN: CLINT CAGLE

GLW
PLANNING | ENGINEERING | SURVEYING

3909 NATIONAL DRIVE | SUITE 250 | BURTONSVILLE, MD 20866 | GLWPA.COM
PHONE: 301-421-4024 | BALT: 410-880-1820 | DC&VA: 301-989-2524 | FAX: 301-421-4186

DESIGNED BY: PROFESSIONAL CERTIFICATION

I HEREBY CERTIFY THAT THESE PLANS 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. 12975, EXPIRATION DATE: MAY 26, 2020.

2/13/19

SCALE	ZONING
1" = 40'	RR-DEO
DATE	TAX MAP - GRID
FEB. 2019	28-8,9,14,15

REVISED PERCOLATION CERTIFICATION PLAN

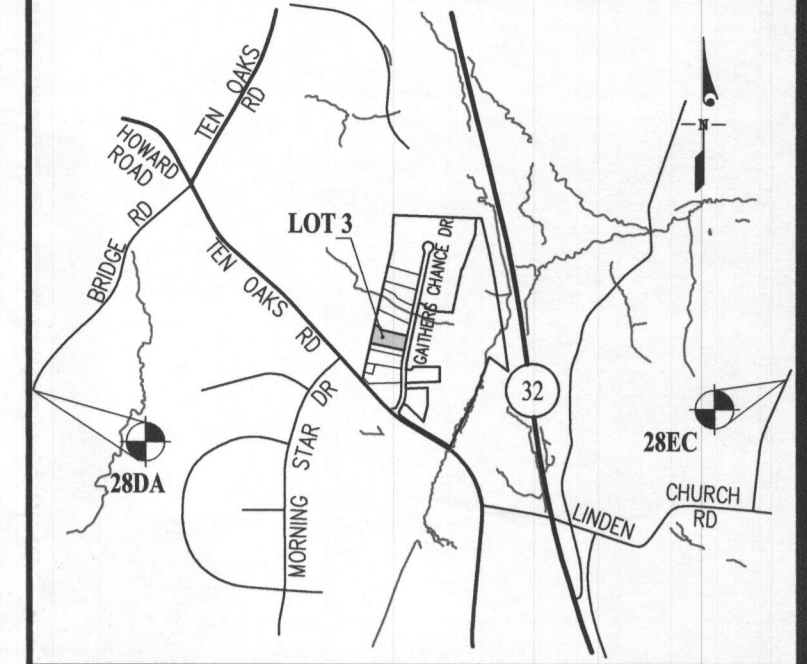
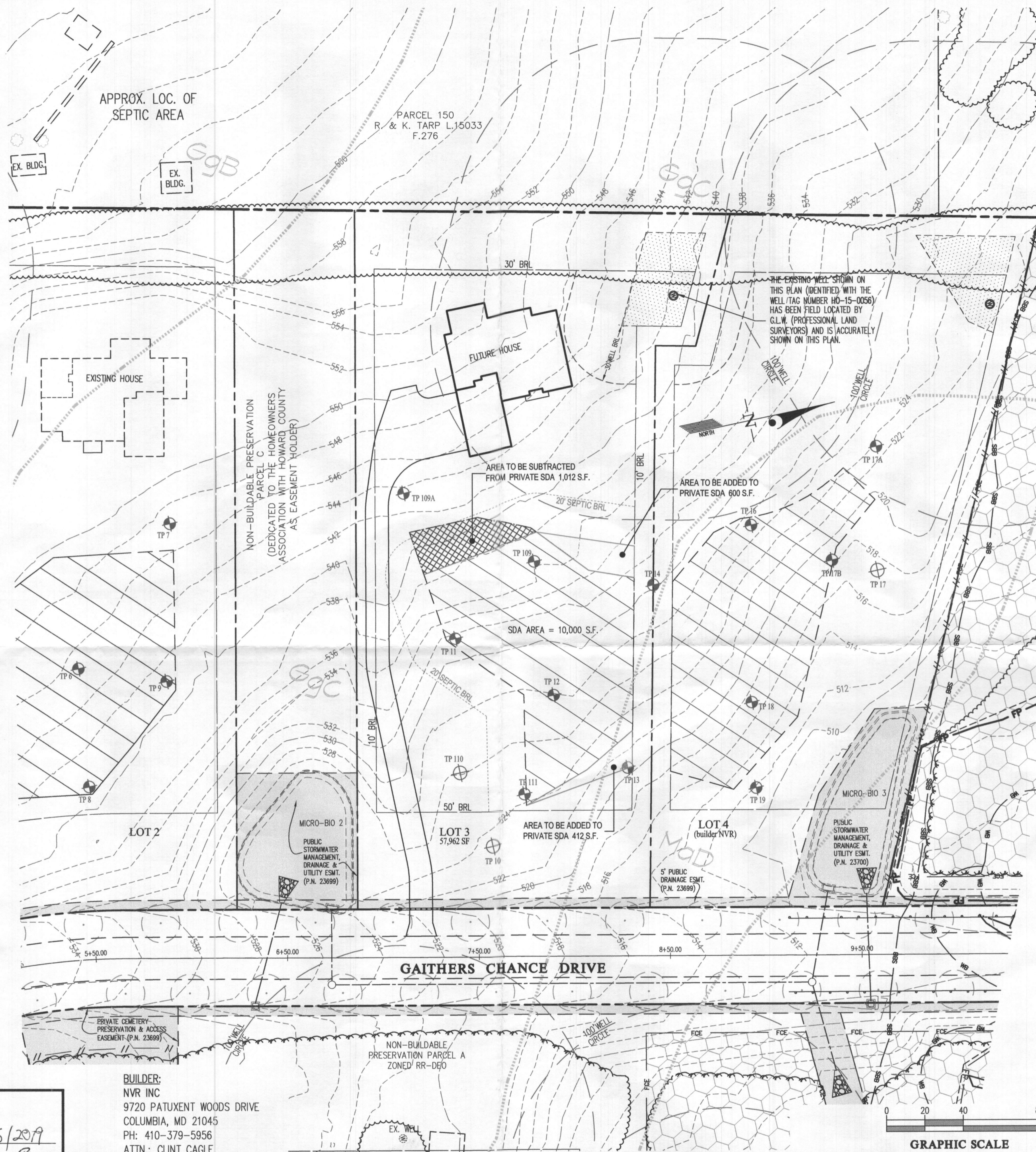
GAITHER'S CHANCE
LOT 3 (5022 GAITHERS CHANCE DRIVE)
Plat No. 23698-23702

G. L. W. FILE No.
13070
SHEET
1 OF 1

THE PURPOSES FOR THIS REVISED PERCOLATION CERTIFICATION PLAN ARE:

- TO RESHAPE THE PRIVATE SEWAGE DISPOSAL AREA (APPROVED 4/6/2015) ON LOT 3.





VICINITY MAP
SCALE: 1" = 2,000'
ADC MAP: 24
GRID: E5

BENCHMARKS			
28DA	ELEV. 564.382	N = 570,624.996	E = 1,314,434.172
28EC		N = 570,757.386	E = 1,322,274.727

- GENERAL NOTES**
- THE AREA SHOWN THUS: DESIGNATES PRIVATE SEWAGE DISPOSAL AREA OF 10,000 SQUARE FEET AS REQUIRED BY THE MARYLAND STATE DEPARTMENT OF THE ENVIRONMENT FOR INDIVIDUAL SEWAGE DISPOSAL. IMPROVEMENTS OF ANY NATURE IN THIS AREA ARE RESTRICTED. THIS SEWAGE DISPOSAL AREA SHALL BECOME NULL AND VOID UPON CONNECTION TO A PUBLIC SEWAGE SYSTEM. THE COUNTY HEALTH OFFICER SHALL HAVE THE AUTHORITY TO GRANT ADJUSTMENTS TO THE PRIVATE SEWAGE AREA. RECORDED OF A REVISED SEWAGE AREA SHALL NOT BE NECESSARY.
 - ANY CHANGES TO A PRIVATE SEWAGE DISPOSAL AREA SHALL REQUIRE A REVISED PERCOLATION CERTIFICATION PLAN.
 - THE LOTS SHOWN HEREON WAS RECORDED ON PLAT Nos. 23698 - 23702. REFER TO PLAT FOR DIMENSIONS, LOT AREAS, ALL EASEMENTS, ANY RESTRICTIONS, AND PROVISIONS.
 - EXISTING TOPOGRAPHY SHOWN IS FROM AERIAL TOPO DONE BY MCKENZIE-SNYDER, NOVEMBER 2013 AND F-15-043 GRADING.
 - ALL WELL AND SEPTIC SYSTEMS LOCATED WITHIN 100' OF THE PROPERTY BOUNDARIES AND 200' DOWN GRADIENT OF ANY WELLS AND/OR SEPTIC SYSTEMS HAVE BEEN SHOWN.
 - APPROVAL OF THIS PERC CERTIFICATION PLAN DOES NOT GUARANTEE THAT THE SEWAGE DISPOSAL AREA ESTABLISHED WILL BE SUFFICIENT FOR A PROPOSED HOUSE. A SYSTEM DESIGN PLAN SHOWING 3 SYSTEMS FITTING IN THE AREA BASED ON THE PROPOSED NUMBER OF BEDROOMS MUST BE APPROVED BY THE HEALTH DEPARTMENT BEFORE HEALTH APPROVAL OF A BUILDING PERMIT. IF 3 SYSTEMS DO NOT FIT, THE AREA MAY NEED TO BE REVISED OR THE PROPOSED NUMBER OF BEDROOMS REDUCED.
 - THE MARYLAND DEPARTMENT OF THE ENVIRONMENT HAS REVIEWED THE PROPOSED WELL AND SEWAGE DISPOSAL AREA LOCATIONS ILLUSTRATED ON THIS PLAN AS RECOMMENDED BY THE HOWARD COUNTY HEALTH DEPARTMENT, AND HAS GRANTED A VARIANCE TO ALLOW WELL LOCATIONS ON GAITHER'S CHANCE BUILDABLE PRESERVATION PARCEL 'A' TO BE DOWNGRADIENT OF THE SEWAGE DISPOSAL AREA ON GAITHER'S CHANCE LOT 3 PURSUANT TO THE FOLLOWING CONDITIONS:
 - WELLS WILL BE REQUIRED TO HAVE STEEL CASING TO A MINIMUM DEPTH OF 50 FEET, OR 10 FEET INTO COMPETENT BEDROCK, WHICHEVER IS DEEPER, AND BE AT LEAST 200 FEET DISTANCE FROM ANY SEPTIC SYSTEM DRAINFIELD THAT IS UPGRADIENT.
 - THE SEPTIC SYSTEMS INSTALLED ON LOT 3 WILL HAVE THESE CHARACTERISTICS:
 - A BAT UNIT MUST BE INSTALLED IN THE INITIAL SYSTEM.
 - ALL DRAINFIELDS INSTALLED IN THE LOT 3 SDA WILL BE DESIGNED FOR LOW-PRESSURE DISTRIBUTION OR EQUIVALENT.

PLAN LEGEND

- EXISTING WELL LOCATION
- WELL BOX AREA
- EXISTING PRIVATE SEWAGE DISPOSAL AREA
- PRIVATE SEWAGE DISPOSAL EXPANSION AREA TO BE ADDED
- PRIVATE SEWAGE DISPOSAL EXPANSION AREA TO BE SUBTRACTED
- TP # PERCOLATION TEST HOLES (PASSED)
- TP # PERCOLATION TEST HOLES (FAILED)

SOILS CHART:

MAP UNIT	MAP UNIT NAME	TYPE
MaD	MANOR LOAM, 15 TO 25 PERCENT SLOPES	B
GgC	GLENELG LOAM, 8 TO 15 PERCENT SLOPES	B

SOILS DELINEATION LINE

BUILDER:
NVR INC
9720 PATUXENT WOODS DRIVE
COLUMBIA, MD 21045
PH: 410-379-5956
ATTN.: CLINT CAGLE

APPROVED FOR PRIVATE WATER AND PRIVATE SEWAGE SYSTEMS
HOWARD COUNTY HEALTH DEPARTMENT
Maura Roszman 2/25/2019
HEALTH OFFICER, HOWARD COUNTY HEALTH DEPT. RB DATE

GLW
PLANNING | ENGINEERING | SURVEYING
3909 NATIONAL DRIVE | SUITE 250 | BURTONSVILLE, MD 20866 | GLWPA.COM
PHONE: 301-421-4024 | BALT: 410-880-1820 | DC&VA: 301-989-2524 | FAX: 301-421-4186

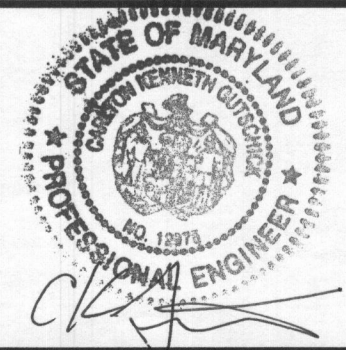
DESIGNED BY: PROFESSIONAL CERTIFICATION

DRAWN BY: KLP

CHECKED BY: CKG

I HEREBY CERTIFY THAT THESE PLANS 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. 12975, EXPIRATION DATE: MAY 26, 2020.

2/13/19



SCALE	ZONING
1" = 40'	RR-DEO
DATE	TAX MAP - GRID
FEB. 2019	28-8,9,14,15

REVISED PERCOLATION CERTIFICATION PLAN

GAITHER'S CHANCE
LOT 3 (5022 GAITHERS CHANCE DRIVE)
Plat No. 23698-23702

G. L. W. FILE No.	13070
SHEET	1 OF 1

