

# APPLICATION

## FOR PERCOLATION TESTING AND SITE EVALUATION

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

APP 530307-T  
DATE 2/18/09

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

DO NOT WRITE ABOVE THIS LINE

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) RONALD REGAN & SCOTT REGAN TRUSTEE

DAYTIME PHONE \_\_\_\_\_ CELL \_\_\_\_\_ FAX \_\_\_\_\_

MAILING ADDRESS 12859 ROUTE 108 HIGHLAND MD 20177  
STREET CITY/TOWN STATE ZIP

APPLICANT SAME AS OWNERS

DAYTIME PHONE \_\_\_\_\_ CELL \_\_\_\_\_ FAX \_\_\_\_\_

MAILING ADDRESS \_\_\_\_\_  
STREET CITY/TOWN STATE ZIP

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

PROPERTY LOCATION  
SUBDIVISION/PROPERTY NAME REGAN PROPERTY LOT NO. 20

PROPERTY ADDRESS POINT RIDGE DRIVE  
STREET TOWN/POST OFFICE

TAX MAP PAGE(S) 34 GRID 24 PARCEL(S) 200 PROPOSED LOT SIZE 1 AC.

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]  
SIGNATURE OF APPLICANT

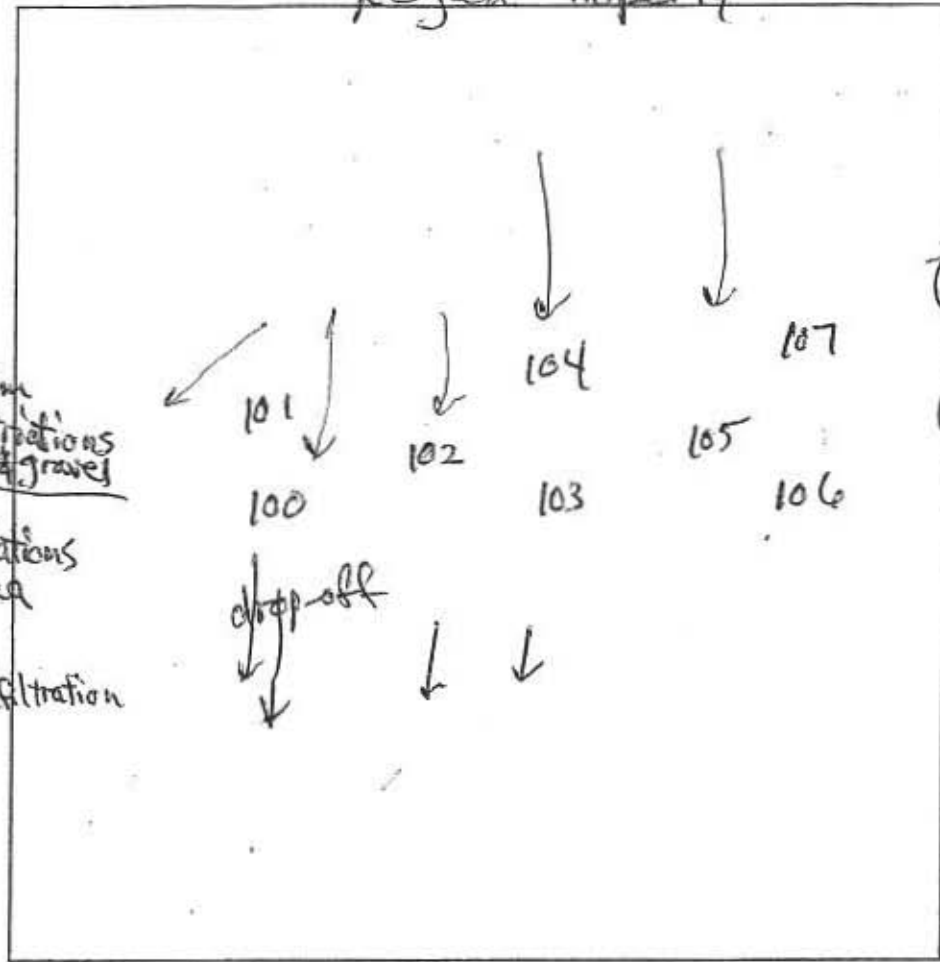
HOWARD COUNTY HEALTH DEPARTMENT, BUREAU OF ENVIRONMENTAL HEALTH, WELL AND SEPTIC PROGRAM  
7178 COLUMBIA GATEWAY DRIVE COLUMBIA, MARYLAND 21046 (410) 313-2640 FAX (410) 313-2648  
TDD (410) 313-2323 TOLL FREE 1-877-4MD-DHMH

# Regan Property

AP

(100)

Black loam  
 0.5' Brn scl  
 2msbk  
 2' Brn sl  
 1msbk  
 2.5' Brown sl, dm  
 common mica w/ wkb flow striations  
 5' few streaks of gravel  
 Hr. Brn ls  
 w/ white striations  
 common mica  
 11-moist  
 12' moderate to rapid infiltration



105

0.5' brn grsl  
 2' brn scl  
 few gravel  
 2' brn sl beam  
 1msbk  
 common mica  
 (3.5') red-brn sl  
 common mica  
 (4.5') yellow, grey, brn  
 & hr grey  
 6' hr grey  
 yel-red striation  
 pale brn  
 gr ls  
 12' Bottom moderately rapid

(107)

0.7' brn beam  
 1.8' brn scl  
 2msbk  
 2.5' brn sl  
 2esbk  
 4.5' yel-red sl  
 many mica more  
 sand dense  
 6' yellow, grey, brn  
 & hr grey sl  
 6' hr. grey, brn  
 & pale brn  
 yel-red striations  
 13' Bit

DATE	TEST #	DEPTH	START	BREAK 1' DROP	STOP 2' DROP	TIME OF 2ND INCH	P/F/H
5/19/09	100	12'	Visual	15.5	44	28.5	P
5/19/09	105	4.5' / 12'	0	15.5	44	28.5	P
		4.6' - 12'	Tactile Visual				Moderately rapid rate (42) P
5/19/09	107	4.2' / 13.7'	2:36	2:44	2:57	1:23	P
		4.6' - 13.7'	Visual				moderately rapid to moderate P
5/19/09	110	5'	Visual	60% gravel at 5' / >50% Bedded rock at 2.5'			F

(110)

0.5' dk brn loam  
 1.5' brn scl  
 5' brn sl  
 many roots  
 9' yel-red  
 vgr sl  
 white 60%  
 bedded  
 grey  
 cemented rock  
 Mn coatings

REMARKS \_\_\_\_\_

SANITARIAN Rb BACKHOE Wayne/Brace OTHERS \_\_\_\_\_

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

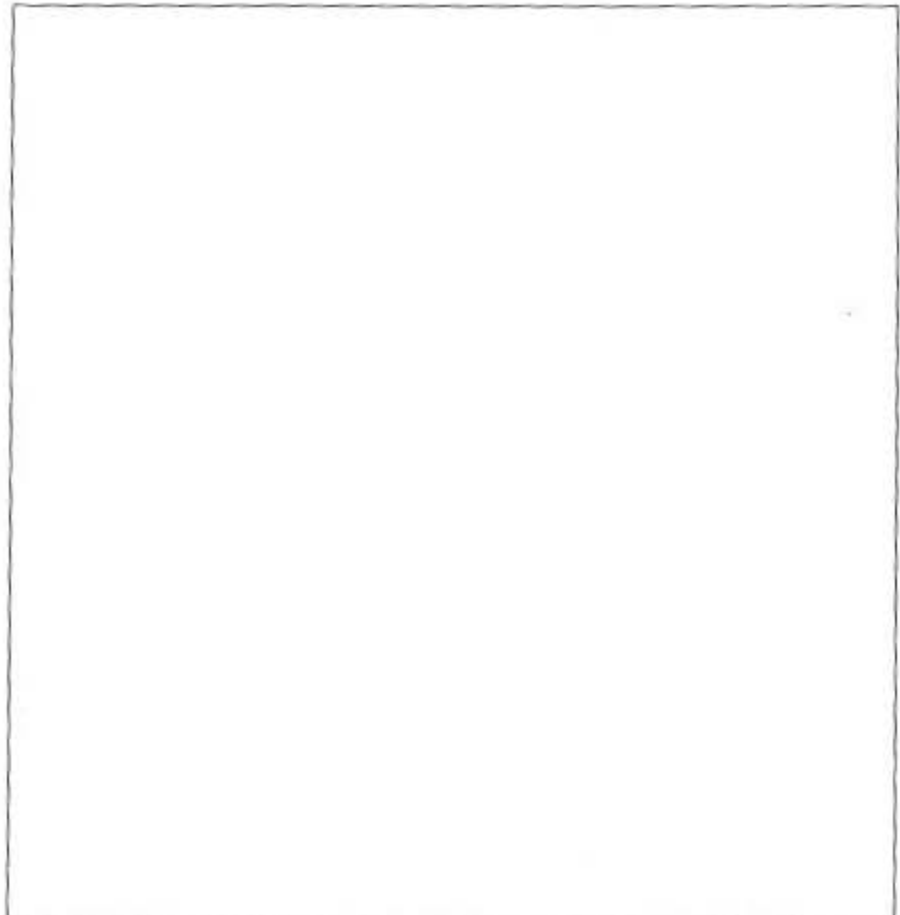
TRENCH WIDTH \_\_\_\_\_ INLET DEPTH \_\_\_\_\_ MAX. BOT DEPTH \_\_\_\_\_ EFFECTIVE SW \_\_\_\_\_

A/P \_\_\_\_\_

101  
 1' brn scl  
 1' brick  
 2.5' brn scl  
 0.5' brn scl  
 0' brn scl  
 9' brn scl  
 11.5' ↓

104  
 0.5' brn scl  
 4.5' brn scl  
 yellowish  
 0.5' brn scl  
 yellow  
 0.5' brn scl  
 9.5' chisel  
 10' ↓

106  
 1' brn scl  
 4' red brn  
 6' red brn  
 yellow  
 0.5' brn scl  
 1' ↓



DATE	TEST #	DEPTH	START	BREAK 1" DROP	STOP 2" DROP	TIME OF 2ND INCH	P/F/H
5-19	101	5.0' / 11.5'	1:48	1:50	1:52	2	P
	104	5' / 12'	2:04	2:05	2:07	2	P
	106	6' / 14'	2:20	2:34	2:40	12	P
	112	11'	visual				F
	111	5.9' / 13'	3:14	3:21	3:25	4	P

112  
 brn scl  
 yellow  
 3' brn scl  
 yellow  
 5.2' brn scl  
 yellow  
 brn scl  
 3' brn scl  
 chisel  
 4.5' ↓

111  
 brn scl  
 3.5'  
 yellow  
 8'  
 chisel  
 13' ↓

REMARKS \_\_\_\_\_  
 SANITARIAN \_\_\_\_\_ BACKHOE \_\_\_\_\_ OTHERS \_\_\_\_\_  
 TEST HOLES USED IN SDA \_\_\_\_\_ AVG. PERC TIME \_\_\_\_\_ SQ. FT/BR \_\_\_\_\_  
 TRENCH WIDTH \_\_\_\_\_ INLET DEPTH \_\_\_\_\_ MAX. BOT DEPTH \_\_\_\_\_ EFFECTIVE S/W \_\_\_\_\_

AP

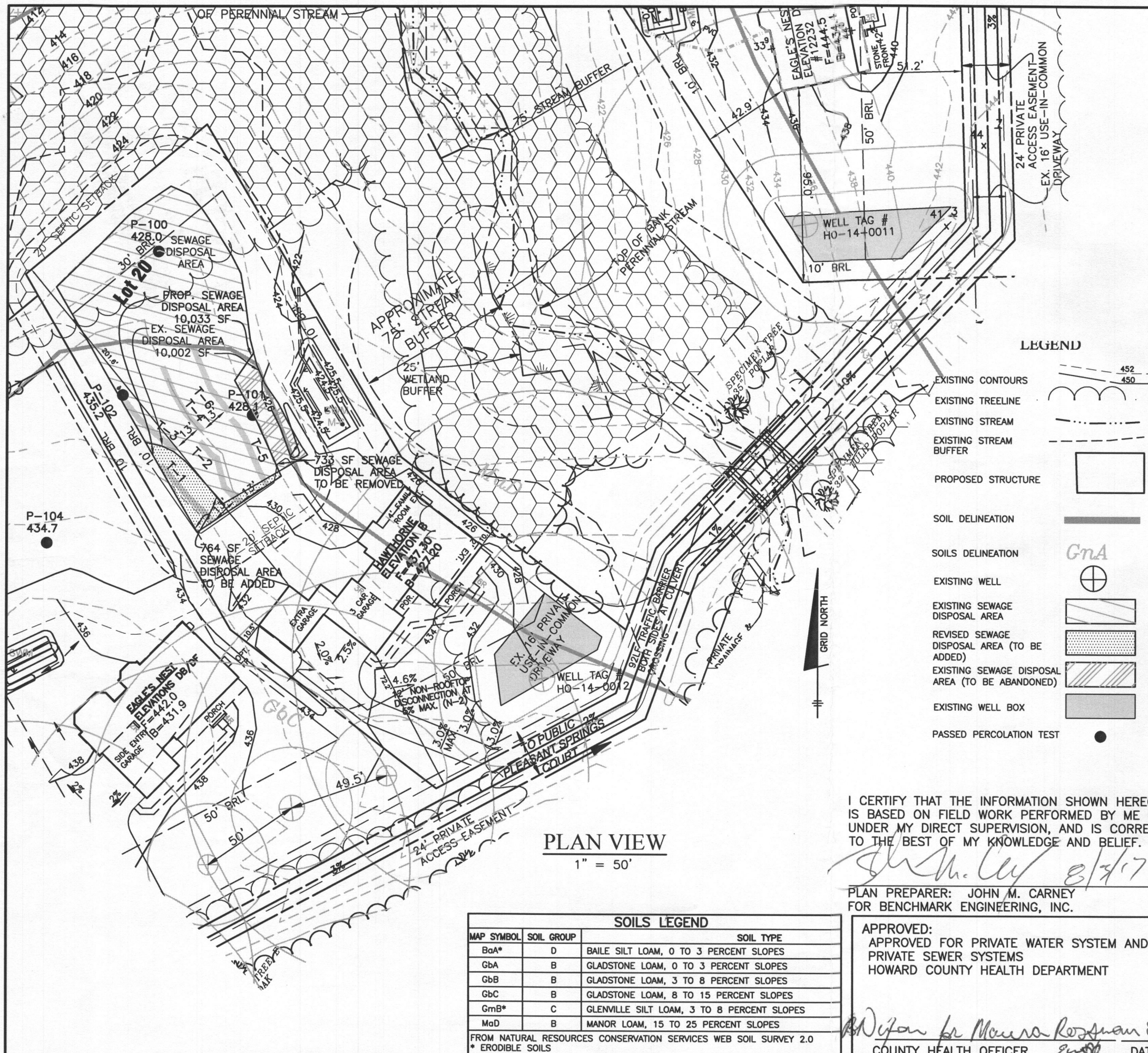
#102  
 Rd Brn  
 Sch mica 3'  
 Rd Brn Sh mica 7'  
 SL Rd Brn much mica 10'  
 Light Brn LS yell. 14'



Red SCL  
 ↓  
 Red Brown yellow manly mica  
 ↓  
 11'

DATE	TEST #	DEPTH	START	BREAK 1" DROP	STOP 2" DROP	TIME OF 2ND INCH	P/F/H
5-19	102	4.5 / H	1:50	1:52	1:54	3 min	P
5-17	103	5 / H	2:12	2:15	2:18	3 min	F

REMARKS \_\_\_\_\_  
 SANITARIAN \_\_\_\_\_ BACKHOE \_\_\_\_\_ OTHERS \_\_\_\_\_  
 TEST HOLES USED IN SDA \_\_\_\_\_ AVG. PERC TIME \_\_\_\_\_ SQ. FT/BR \_\_\_\_\_  
 TRENCH WIDTH \_\_\_\_\_ INLET DEPTH \_\_\_\_\_ MAX. BOT DEPTH \_\_\_\_\_ EFFECTIVE SW \_\_\_\_\_



**PLAN NOTES:**

1. THE LOT SHOWN HEREON WAS RECORDED ON THE PLAT FOR REGAN PROPERTY, PLAT Nos. 23063-23074. REFER TO THE PLATS FOR LOT DIMENSIONS, LOT AREAS, ALL EASEMENTS AND CONDITIONS.
2. SEDIMENT AND EROSION CONTROLS WERE APPROVED BY HOWARD SOIL CONSERVATION DISTRICT UNDER A GRADING PLAN AND MODIFIED FOR THIS SPECIFIC HOUSE.
3. TOPOGRAPHY SHOWN HEREON IS TAKEN FROM THE APPROVED ROAD CONSTRUCTION PLANS AND TOPOGRAPHIC INFORMATION PROVIDED BY BENCHMARK ENGINEERING, INC., ON OR ABOUT JANUARY, 2012.
4. THE EXISTING WELL SHOWN ON THIS PLAN, HO-14-0012, HAS BEEN FIELD LOCATED BY BENCHMARK ENGINEERING, INC., AND IS ACCURATELY SHOWN.
5. THERE ARE NO EXISTING WELLS OR SEPTIC SYSTEMS WITHIN 100' OF THIS PROJECT'S BOUNDARY EXCEPT AS NOTED.
6. ANY CHANGES TO A PRIVATE SEWAGE EASEMENT OR WELL BOX SHALL REQUIRE A REVISED PERCOLATION CERTIFICATION PLAN.
7. STORMWATER MANAGEMENT FOR THIS LOT WAS DESIGNED TO BE PROVIDED BY MICRO-BIORETENTION FACILITY (MDE M-6) AND DISCONNECTION OF NON-ROOFTOP RUNOFF.
8. NO DRIVEWAY CULVERT IS REQUIRED FOR THIS LOT.
9. MICRO-BIORETENTION FACILITIES SHOULD HAVE EITHER 4" OR 6" ROOF LEADERS DEPENDING ON THE SIZE OF THE ROOFTOP AREA.
10. THE PURPOSE OF THIS PERCOLATION CERTIFICATION PLAN IS TO REVISE THE SEPTIC RESERVE AREA ON LOT 20 DUE TO THE LOCATION AND SIZE OF THE MICRO-BIORETENTION FACILITY.
11. THIS AREA DESIGNATES A PRIVATE SEWAGE DISPOSAL AREA OF AT LEAST 10,000 S.F. 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.
12. THE LOT SHOWN HEREIN COMPLIES WITH THE MINIMUM OWNERSHIP WIDTH AND LOT AREA AS REQUIRED BY THE MARYLAND DEPARTMENT OF ENVIRONMENT.
13. INITIAL SYSTEM IS TRENCHES T-1 AND T-2, FIRST REPAIR ARE TRENCHES T-3 AND T-4, SECOND REPAIR ARE TRENCHES T-5 AND T-6.

**LEGEND**

- EXISTING CONTOURS
- EXISTING TREELINE
- EXISTING STREAM
- EXISTING STREAM BUFFER
- PROPOSED STRUCTURE
- SOIL DELINEATION
- SOILS DELINEATION
- EXISTING WELL
- EXISTING SEWAGE DISPOSAL AREA
- REVISED SEWAGE DISPOSAL AREA (TO BE ADDED)
- EXISTING SEWAGE DISPOSAL AREA (TO BE ABANDONED)
- EXISTING WELL BOX
- PASSED PERCOLATION TEST

**PLAN VIEW**

1" = 50'

SOILS LEGEND		
MAP SYMBOL	SOIL GROUP	SOIL TYPE
BaA*	D	BAILE SILT LOAM, 0 TO 3 PERCENT SLOPES
GbA	B	GLADSTONE LOAM, 0 TO 3 PERCENT SLOPES
GbB	B	GLADSTONE LOAM, 3 TO 8 PERCENT SLOPES
GbC	B	GLADSTONE LOAM, 8 TO 15 PERCENT SLOPES
GmB*	C	GLENVILLE SILT LOAM, 3 TO 8 PERCENT SLOPES
MaD	B	MANOR LOAM, 15 TO 25 PERCENT SLOPES

FROM NATURAL RESOURCES CONSERVATION SERVICES WEB SOIL SURVEY 2.0  
\* ERODIBLE SOILS

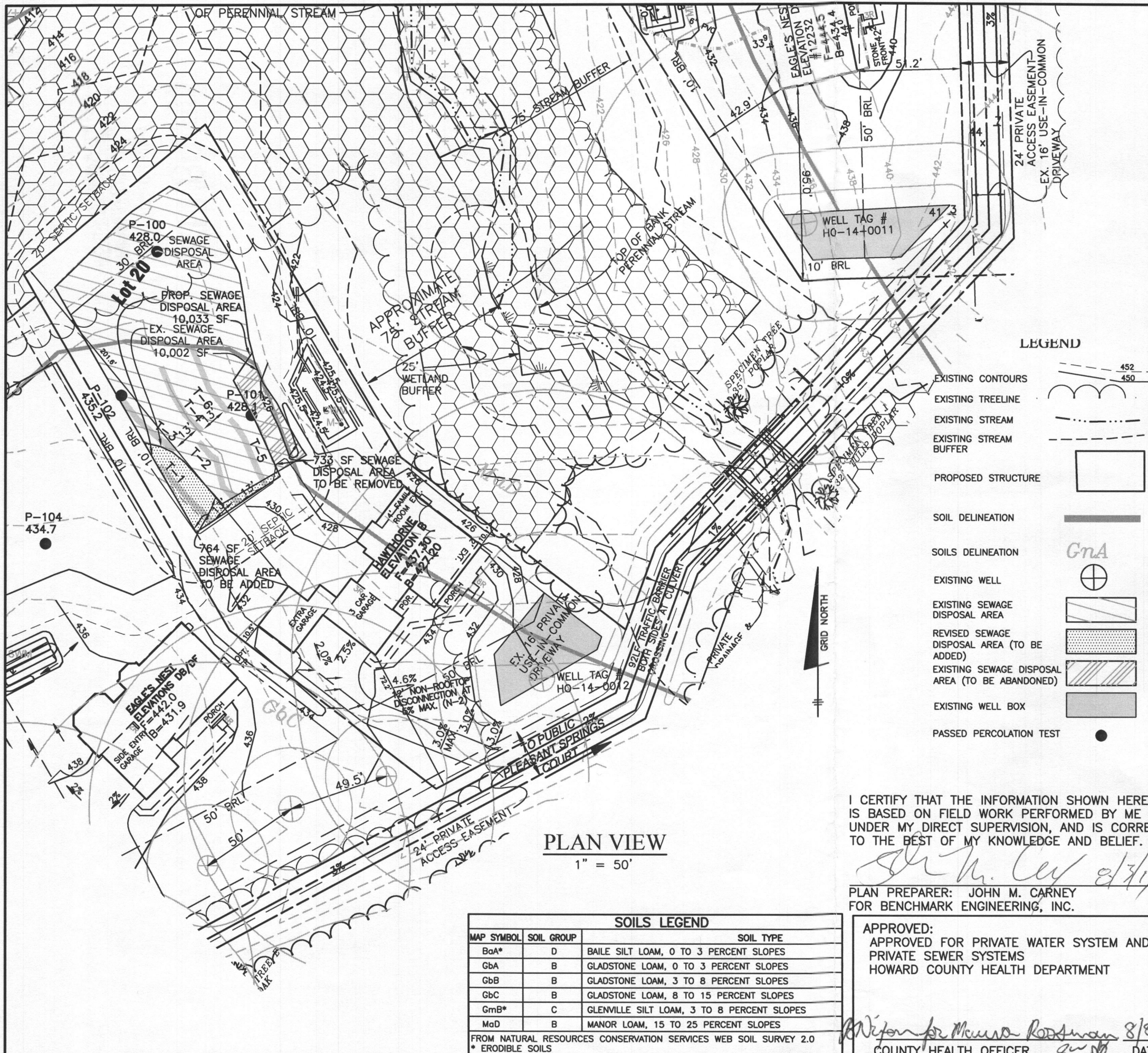
I CERTIFY THAT THE INFORMATION SHOWN HEREON IS BASED ON FIELD WORK PERFORMED BY ME OR UNDER MY DIRECT SUPERVISION, AND IS CORRECT, TO THE BEST OF MY KNOWLEDGE AND BELIEF.

PLAN PREPARER: JOHN M. CARNEY FOR BENCHMARK ENGINEERING, INC.

APPROVED:  
APPROVED FOR PRIVATE WATER SYSTEM AND PRIVATE SEWER SYSTEMS  
HOWARD COUNTY HEALTH DEPARTMENT

COUNTY HEALTH OFFICER DATE

OWNER/BUILDER:	<b>BENCHMARK</b> ENGINEERS LAND SURVEYORS PLANNERS <b>ENGINEERING, INC.</b> 8480 BALTIMORE NATIONAL PIKE SUITE 315 ELLICOTT CITY, MARYLAND 21043 (P) 410-465-6105 (F) 410-465-6644 WWW.BEI-CVLENGINEERING.COM	
PROJECT:	<b>REGAN PROPERTY</b> LOT 20	
LOCATION:	12240 PLEASANT SPRINGS COURT HIGHLAND, MD 20777 TAX MAP No. 34 - BLOCK No. 24 - PARCEL No. 200 5TH ELECTION DISTRICT, TAX ID NUMBER: 05 597453	
TITLE:	<b>REVISED PERCOLATION CERTIFICATION PLAN</b>	
HOUSE TYPE:	<b>HAWTHORNE - ELEVATION 'B'</b>	
DATE:	JUNE, 2017 AUGUST, 2017	PROJECT NO. 2171
SCALE:	AS SHOWN	DRAWING 1 OF 1



**PLAN NOTES:**

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**PLAN VIEW**  
1" = 50'

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PLAN PREPARER: JOHN M. CARNEY  
FOR BENCHMARK ENGINEERING, INC.

APPROVED:  
APPROVED FOR PRIVATE WATER SYSTEM AND PRIVATE SEWER SYSTEMS  
HOWARD COUNTY HEALTH DEPARTMENT

COUNTY HEALTH OFFICER  
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FROM NATURAL RESOURCES CONSERVATION SERVICES WEB SOIL SURVEY 2.0  
\* ERODIBLE SOILS

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PROJECT:	<b>REGAN PROPERTY</b> LOT 20	
LOCATION:	12240 PLEASANT SPRINGS COURT HIGHLAND, MD 20777 TAX MAP No. 34 - BLOCK No. 24 - PARCEL No. 200 5TH ELECTION DISTRICT, TAX ID NUMBER: 05 597453	
TITLE:	<b>REVISED PERCOLATION</b> CERTIFICATION PLAN	
HOUSE TYPE:	<b>HAWTHORNE - ELEVATION 'B'</b>	
DATE:	JUNE, 2017 AUGUST, 2017	PROJECT NO. 2171
SCALE:	AS SHOWN	DRAWING 1 OF 1



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*John M. Carney* 8/3/17  
PLAN PREPARER: JOHN M. CARNEY  
FOR BENCHMARK ENGINEERING, INC.

APPROVED:  
APPROVED FOR PRIVATE WATER SYSTEM AND PRIVATE SEWER SYSTEMS  
HOWARD COUNTY HEALTH DEPARTMENT

*William for Maureen Rossman* 8/3/2017  
COUNTY HEALTH OFFICER DATE

OWNER/BUILDER:	<b>BENCHMARK</b> ENGINEERS LAND SURVEYORS PLANNERS <b>ENGINEERING, INC.</b> 8480 BALTIMORE NATIONAL PIKE SUITE 315 ELLICOTT CITY, MARYLAND 21043 (P) 410-465-6105 (F) 410-465-6644 WWW.BEI-CMLENGINEERING.COM	
PROJECT:	<b>REGAN PROPERTY</b> <b>LOT 20</b>	
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