



HOWARD COUNTY HEALTH DEPARTMENT

67979

DATE

9/15/2013

Received
From

PHONE #

831 -

1563

For

Per app/ 12904

Seagsville Rd

☐ CASH

☒ CHECK

NO.

1042

Five hundred \$y

Dollars

\$

500.00

Received By

OK



APPLICATION

FOR PERCOLATION TESTING AND SITE EVALUATION

TEST DATE(S) _____ TEST TIME _____

APJ 56979

AGENCY REVIEW: _____

DATE 9-15-20

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 3 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) TIMOTHY & DIANNE WOLFE

DAYTIME PHONE 301 641 4560 CELL _____ FAX _____

MAILING ADDRESS 12704 SCAGGSVILLE RD HIGHLAND MD 20779
STREET CITY/TOWN STATE ZIP

APPLICANT JOSEPH GREGORY - GREGORY CUSTOM REMODELING, LLC

DAYTIME PHONE 443-831-7563 CELL _____ FAX _____

MAILING ADDRESS 10015 OLD COLUMBIA RD COLUMBIA, MD 21046
STREET CITY/TOWN STATE ZIP

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

PROPERTY LOCATION

SUBDIVISION/PROPERTY NAME _____ LOT NO. _____

PROPERTY ADDRESS 12704 SCAGGSVILLE RD HIGHLAND
STREET TOWN/POST OFFICE

TAX MAP PAGE(S) _____ GRID _____ PARCEL(S) _____ PROPOSED LOT SIZE _____

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.

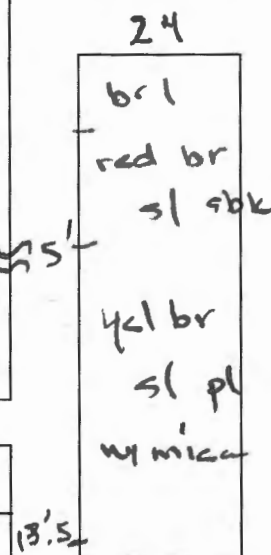
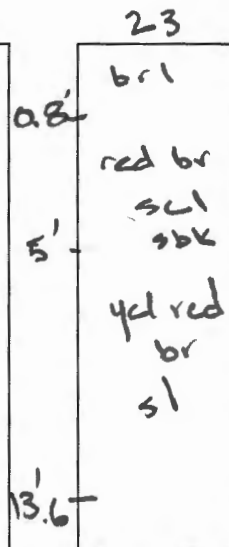
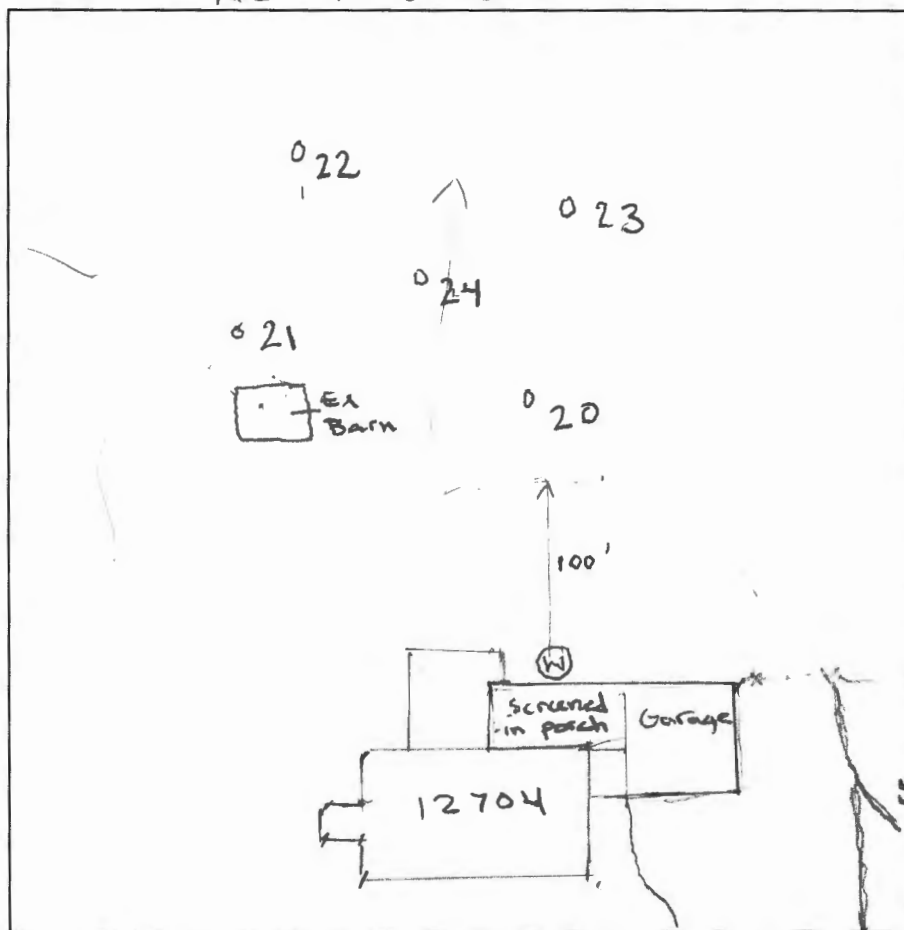
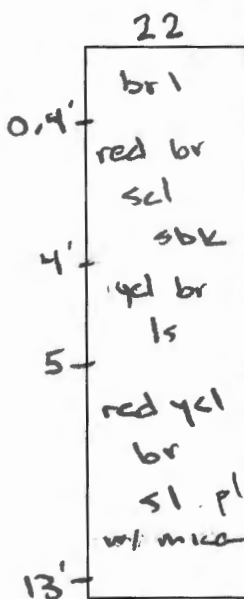
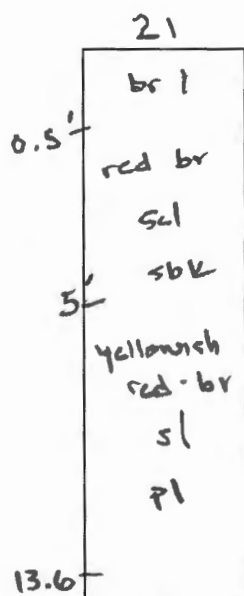
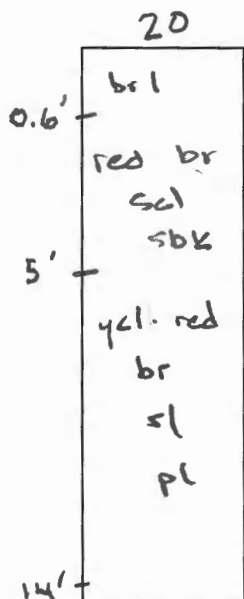
TEST RESULTS WILL BE MAILED TO APPLICANT.

[Signature]
SIGNATURE OF APPLICANT

HOWARD COUNTY HEALTH DEPARTMENT, BUREAU OF ENVIRONMENTAL HEALTH, WELL AND SEPTIC PROGRAM
1718 COLUMBIA GATEWAY DRIVE COLUMBIA, MARYLAND 21046 (410) 313-2640 FAX (410) 313-2648
TDD (410) 313-2323 TOLL FREE 1-877-4MD-DHMH

AP 567979

Not to scale



DATE	TEST #	DEPTH	START	BREAK 1" DROP	STOP 2" DROP	TIME OF 2ND INCH	P/F/H
10.7.20	20	6'/14'	9:12	9:15	9:18	3	P
10.7.20	21	6.1'/13.6'	9:38	9:39	9:41	2	P
10.7.20	22	6.3'/13'	9:55	10:08	10:30	22	P
10.7.20	23	6.3'/13'	9:20	9:31	9:51	20	P
10.7.20	24	6'/13.5'	9:28	10:01	— too long		F
10.7.20	24	7'/13.5'	10:08	10:11	10:14	3	P

REMARKS Field locate septic tank & drywell (is the dry well up to code or abandoned?)

SANITARIAN H. Oswald BACKHOE Fogler OTHERS Builder

TEST HOLES USED IN SDA 20, 21, 22, 23, 24 AVG. PERC TIME SQ. FT/BR

TRENCH WIDTH INLET DEPTH MAX. BOT DEPTH EFFECTIVE SW

G6A/G6B

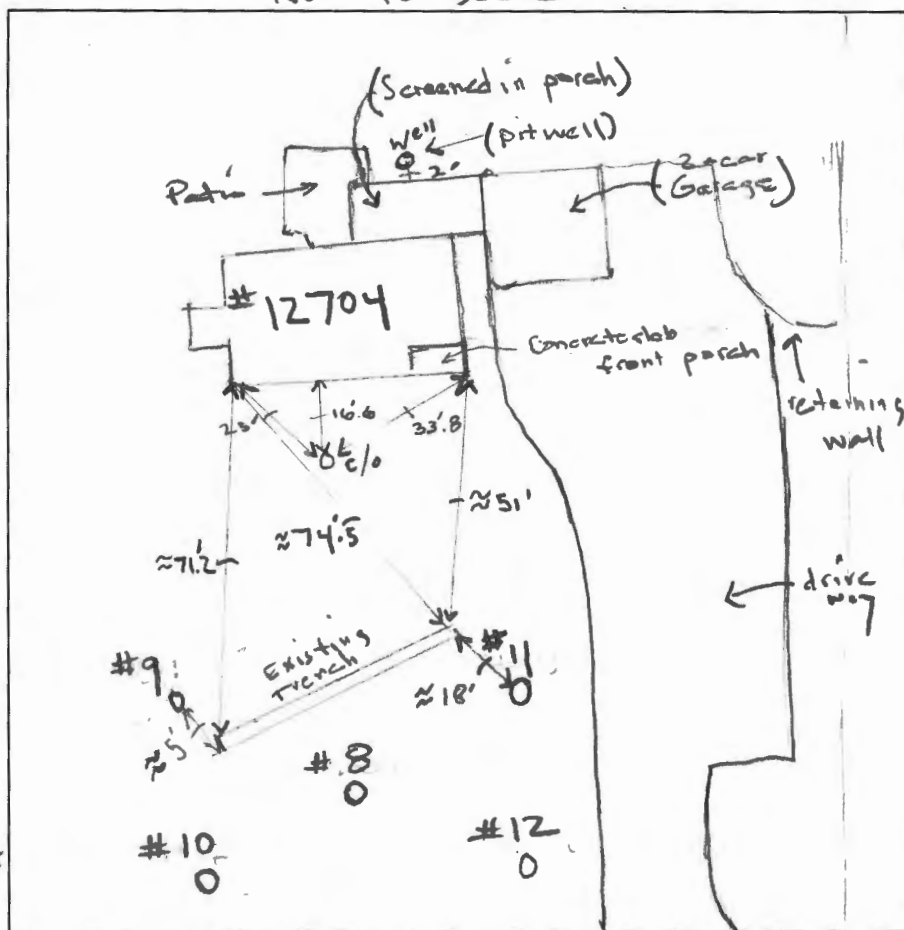
AP 567979

Not to scale

8
 ~0.4' dark br loam soil
 4' yel br sil
 5' Gravelly layer
 yel red sil
 thin pl & very dense - compacted soil

9
 0.10' dark br
 4' yel br sil
 5' Gravelly layer
 red br sil very dense compacted
 thin pl
 ~9' yel br sil
 16'

10
 0.5' dr br l
 red br sil
 3' dense compacted sil, rock - 10' yel br sil pl
 12' dense



11
 0.4' dr br l
 4' red br sil
 yel red sil dense
 thin pl
 10' yel br sil
 12'

12
 dr br l
 red br sil
 5' red yel br sil
 thin pl
 12'

Scaggsville Road

DATE	TEST #	DEPTH	START	BREAK 1" DROP	STOP 2" DROP	TIME OF 2ND INCH	P/F/H
9.30.20	8	6' 1/4'	11:22	too	long		F
9.30.20	9	5' 5/16'	10:58	too	long	pulled at 42 min	F
9.30.20	10	6' 4/12'	12:14	too	long	pulled at 36 min	F
9.30.20	11	5' 11/12'	11:32	too	long		F
9.30.20	12	5' 4/12'	12:11	too	long		F
9.30.20	reshelf 8	8' 1/4'	12:56	1:35	too	long	F
9.30.20	reshelf 9	8' 1/6'	12:09	too	long		F
9.30.20	reshelf 11	8' 1/12'	12:59	too	long		F

End of Trench were field located at time of test. Sepsic contractor & builder instructed to stake ends of trench.

REMARKS: H. Oswald BACKHOE Fogels OTHERS Builder trench

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

TRENCH WIDTH _____ INLET DEPTH _____ MAX. BOT DEPTH _____ EFFECTIVE S/W _____

Per record, existing trench is 12' w/ gravel depth 8' & length of 60'.



Bureau of Environmental Health

8930 Stanford Boulevard, Columbia, MD 21045

Main: 410-313-2640 | Fax: 410-313-2648

TDD 410-313-2323 | Toll Free 1-866-313-6300

www.hchealth.org

Facebook: www.facebook.com/hocohealth

Twitter: HowardCoHealthDep

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

October 8, 2020

To: GLW, Builder

Percolation Test Report; 12704 Scaggsville Road, Fulton, MD

Percolation tests were conducted at 12704 Scaggsville Road (Tax Map 40, Parcel 200) on September 30, 2020 and October 7, 2020. Tests and profile descriptions were documented for 10 locations. Test holes 8 - 12 failed due to slow perc test rates, while test holes 20 - 24 passed.

All percolation tests conducted were standard tests, measuring rate of fall for a pre-wet period followed by measurement and recordation of the time required for the water level to drop 1 inch. Areas that may be included in the septic reserve area are represented by test locations having satisfactory soil condition. The area must be large enough to accommodate 3 systems for the planned residence.

The next step in the process is to have an engineer submit a percolation certification plan to confirm the design of the septic reserve area.

Should you have any questions regarding this evaluation, please contact me. I may be reached at (410) 313-1786 or by email hoswald@howardcountymd.gov

Respectfully,

Hank Oswald

Hank Oswald, L.E.H.S
Bureau of Environmental Health
Well & Septic Program

Attachment: Percolation Test Field Notes



Bureau of Environmental Health

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

SEWAGE DISPOSAL SYSTEM SPECIFICATIONS WORKSHEET

Address: 12704 Scaggsville Road

Subdivision: _____ Lot: _____

Initial system: Application rate: 1.2 Effective area beginning depth: 5' Bottom maximum depth: 8' 20.21
1st Replacement: Application rate: 1.2 Effective area beginning depth: 5' Bottom maximum depth: 8' 24
2nd Replacement: Application rate: 0.6 Effective area beginning depth: 5' Bottom maximum depth: 8' 22.23

Design Flow = 150 gallons per day per bedroom

Design flow ÷ application rate = square footage of drainfield required

Linear length of trench required = drainfield square footage x sidewall reduction percentage ÷ trench width

Sidewall reduction credit formula:

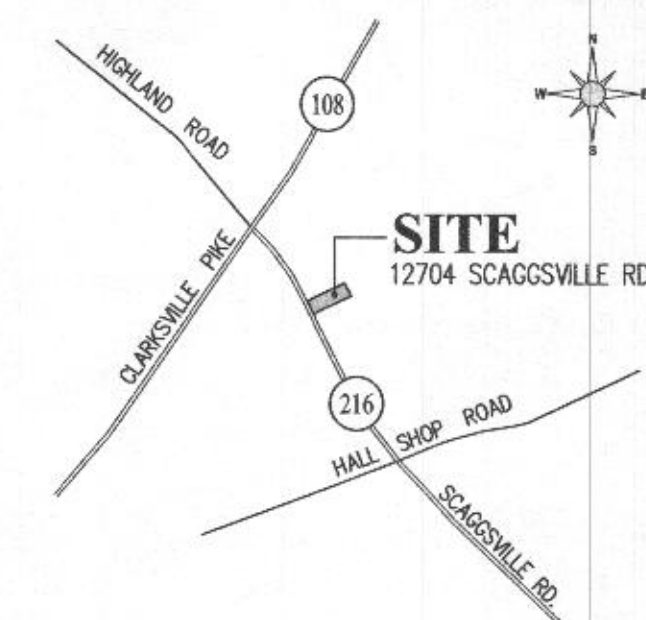
$\frac{W + 2}{W + 1 + 2D} \times 100 =$ Percent of length of standard trench where W=trench width and D= depth between effective area beginning depth and trench bottom.

Standard design requirements:

- All trenches must be equal length unless low pressure dosed
- All trenches must be on contour
- Minimum trench spacing: 10' for all trenches utilizing sidewall reduction credit. Additional spacing may be necessary for any trench using over 3.5' of effective sidewall. In those cases, the spacing formula is $2D + W$ up to a maximum spacing of 18'.
- Minimum trench spacing for trenches with no sidewall credit (bottom area only) is 6' for a 2' wide trench and 9' for a 3' wide trench (spacing is measured edge to edge)
- Maximum trench length is 100'
- Maximum pipe depth is 4'

Additional requirements:

Approved: Hank Oswald Date: 10/8/20



VICINITY MAP
SCALE: 1" = 2,000'

ADC MAP: 31
GRID: B6

PLAN LEGEND

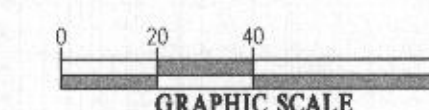
- EXISTING STRUCTURE
- PROPOSED HOUSE ADDITION
- PROPOSED PORCH
- EXISTING CONTOUR
- EXISTING FENCE
- OHW OVERHEAD WIRE
- PERCOLATION TEST HOLES (PASSED 10-7-2020)
- PERCOLATION TEST HOLES (FAILED 09-30-2020)
- PROPOSED PRIVATE SEWAGE DISPOSAL AREA
- PROPOSED ALTERNATE WELL LOCATION
- EXISTING PIT WELL LOCATION (SEE GENERAL NOTE #6)

GENERAL NOTES

- THE AREA SHOWN THUS: [Hatched Box] DESIGNATES A PRIVATE SEWAGE DISPOSAL AREA AS REQUIRED BY THE MARYLAND DEPARTMENT OF THE ENVIRONMENT FOR INDIVIDUAL SEWAGE DISPOSAL. FOR LOTS CREATED PRIOR TO MARCH OF 1972 (THE EXISTING HOUSE ON PARCEL 0200 WAS BUILT IN 1954 ACCORDING TO SDAT) IT PROVIDES AT LEAST ENOUGH AREA TO ACCOMMODATE AN INITIAL AND TWO REPLACEMENT SEPTIC SYSTEMS AS REQUIRED BY THE HOWARD COUNTY HEALTH DEPARTMENT. IMPROVEMENTS OF ANY NATURE IN THIS AREA ARE RESTRICTED UNTIL PUBLIC SEWERAGE IS AVAILABLE. THIS AREA 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 AREA. RECORDATION OF A MODIFIED SEWERAGE AREA SHALL NOT BE NECESSARY.
- ANY CHANGES TO A PRIVATE SEWAGE DISPOSAL AREA SHALL REQUIRE A REVISED PERCOLATION CERTIFICATION PLAN.
- EXISTING TOPOGRAPHY SHOWN ON PARCEL 0200 WAS VERIFIED AGAINST AS-BUILT GROUND DATA COLLECTED BY GUTSCHICK, LITTLE & WEBER, PA, DURING SEPTEMBER 2020.
- EXISTING WELLS, SEPTIC SYSTEMS AND SEWAGE DISPOSAL AREAS WITHIN 100' OF THE PROPERTY AND THOSE 200' DOWN GRADIENT OF EXISTING OR PROPOSED SEPTIC SYSTEMS OR SEWAGE DISPOSAL AREAS HAVE BEEN SHOWN.
- BACTERIA AND NITRATE SAMPLES MUST BE COLLECTED PRIOR TO TREATMENT, AND THE RESULTS MUST BE SUBMITTED TO THE HEALTH DEPARTMENT FOR REVIEW.
- THE EXISTING PIT WELL MUST BE BROUGHT UP TO CURRENT CONSTRUCTION STANDARDS PRIOR TO BUILDING PERMIT APPROVAL (THIS UPGRADE SHOULD ONLY BE DONE IF THE WATER SAMPLE RESULTS TEST NEGATIVE FOR BACTERIA AND NITRATE). IF EXISTING PIT WELL CANNOT BE UPGRADED, IT WILL NEED TO BE SEALED BY A LICENSED WELL DRILLER AND A NEW ONE DRILLED, APPROVED AND CONNECTED PRIOR TO BUILDING PERMIT APPROVAL.
- THE EXISTING DRYWELL MUST BE PROPERLY ABANDONED, AND THE PIPE REROUTED PRIOR TO BUILDING PERMIT APPROVAL. A SEPTIC PERMIT MUST BE OBTAINED PRIOR TO THIS WORK.

THE PURPOSES FOR THIS REVISED PERCOLATION CERTIFICATION PLAN IS:

- TO ESTABLISH A SEWAGE DISPOSAL AREA FOR A LIVING SPACE ADDITION ON THIS PARCEL (PARCEL 0200).



REVISED PERCOLATION CERTIFICATION PLAN

12704 Scaggsville Road
Parcel 0200 (Tax Acc't No.353114)

G. L. W. FILE No.

20-108

SHEET

1 OF 1

Howard County, Maryland

Election District No.5

SCALE	ZONING
1"=40'	RR-DEO
DATE	TAX MAP - GRID
MARCH 2021	40-05

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, 2022.



DESIGNED BY: MBT
DRAWN BY: KLP
CHECKED BY: CKG

Property Owner:

Timothy & Dianne Wolfe
12704 Scaggsville Road
Highland, MD 20777

Builder:

Gregory Custom Remodeling, LLC
10015 Old Columbia Road
Columbia, MD 20146
Attn.: Joseph Gregory
Ph: 866-938-3434
gregoryremodeling@gmail.com

SOILS CHART:

MAP UNIT	MAP UNIT NAME	TYPE
GbA	GLADSTONE LOAM, 0 TO 3 PERCENT SLOPES	A
GbB	GLADSTONE LOAM, 3 TO 8 PERCENT SLOPES	A

SOILS DELINEATION LINE

APPROVED FOR PRIVATE WATER AND PRIVATE SEWAGE SYSTEMS

By: [Signature] DATE: 3/16/2021
HEALTH OFFICER, HOWARD COUNTY HEALTH DEPT.



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