



Bureau of Environmental Health

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Twitter: HowardCoHealthDep

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

APPLICATION

FOR PERCOLATION TESTING AND SITE EVALUATION

1572858

PROPERTY LOCATION

SUBDIVISION/PROPERTY NAME

N/A

PROPERTY ADDRESS

1361 Long Corner Rd

Mt. Airy

21771

TAX ACCOUNT #

329708

TAX MAP

6

GRID

11

PARCEL

194

LOT NO.

X

PROPOSED LOT SIZE (ACRES)

1.8277 Ac

ZONING CATEGORY

TIER

PROPERTY OWNER(S)

Alan Sabatini

DAYTIME PHONE

443-577-3379

CELL

EMAIL

MAILING ADDRESS

1361 Long Corner Rd

Mt. Airy

21771

APPLICANT

Fogle's Septic Clean

RELATIONSHIP TO OWNER:

Contractor

DAYTIME PHONE

410-795-5670

CELL

EMAIL

Kim@foglesinc.com

MAILING ADDRESS

580 Obrecht Rd

Sykesville

21784

I HEREBY APPLY FOR THE NECESSARY TESTING/EVALUATION PRIOR TO ISSUANCE OF SEWAGE DISPOSAL SYSTEM PERMIT(S):

PROPERTY:

- PROPERTY: SUBDIVISION: NUMBER OF LOTS INCLUDING RESIDUE: SUBDIVISION CLASSIFICATION (PER DEPT. OF PLANNING AND ZONING) MAJOR MINOR CONSTRUCT NEW OSDS ON UNDEVELOPED LOT REPAIR OR REPLACE FAILING OSDS UPGRADE EXISTING OSDS

BUILDING:

- BUILDING: RESIDENTIAL WITH 3 EXISTING OR PROPOSED BEDROOMS IN THE COMPLETED STRUCTURE COMMERCIAL (PROVIDE DETAIL OF TYPE OF USE AND NUMBERS OF EMPLOYEES/CUSTOMERS ON ACCOMPANYING PLAN)

IS THE PROPERTY WITHIN 2500 FEET OF ANY RESERVOIR?

- YES NO

AS APPLICANT, I UNDERSTAND THE FOLLOWING:

- THIS APPLICATION IS VALID FOR TWO(2) YEARS FROM DATE OF FEE PAYMENT AND APPROVAL IS BASED UPON HEALTH OFFICER SIGNATURE OF A PERC CERTIFICATION PLAN PRIOR TO EXPIRATION OF THIS PERMIT. THE APPLICATION FEE IS NON-REFUNDABLE THIS APPLICATION MUST BE ACCOMPANIED BY ALL APPLICABLE FEES AND A SUITABLE SITE PLAN IN ORDER TO BE PROCESSED THIS IS A PUBLIC DOCUMENT

I declare and affirm that to the best of my knowledge, the information contained herein is correct. I declare that I am the owner of the property or duly authorized to make this application on behalf of the owner. I agree to comply with all applicable state and county regulations.

By signature of this application, I hereby grant Howard County Health Department officials the right to enter onto the property for the purpose of inspecting the property as directly related to the requested permit/service.

[Signature]

SIGNATURE OF APPLICANT

DATE

AP

**A**

0" GEN SCL  
1SBK dFR - ROOT

8" RED BRN  
SCL 2SBK

27" WHT YEL  
SISCL \*RUNNING INCLUSIONS

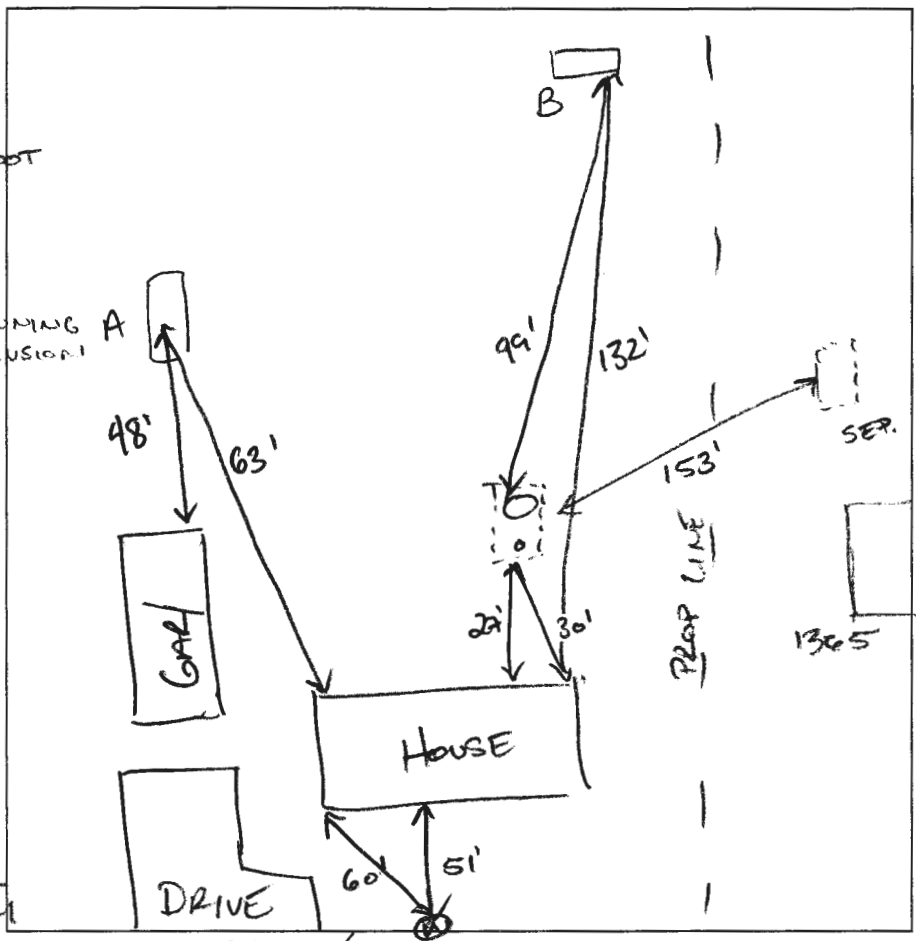
53" RED BRN  
SSL 2SBK  
MFR

77" WHT YEL  
SISCL  
10% CHERT

30% COARSE  
CHERT  
FEW STONE

126" PARENT MAT.

12' HARD BOTTOM



**B**

SAME AS A  
EXCEPT  
HORIZON BREAKS  
A FOOT HIGHER

② 56" - 3" FRAGIPAN  
FEWER ROCK  
7-10%  
77" ↓

\* 14'

BOTTOM UNRESTRICTED

SHELF/PIT BOTTOM

DATE	TEST #	DEPTH	START	BREAK 1" DROP	STOP 2" DROP	TIME OF 2ND INCH	P/F/H
11/19/2020	A	5.5 / 12'	0:00	3:30	8:04	4:34	P
11/19/2020	B	4.5 / 14'	0:00	4:23	8:30	4:07	P

REMARKS WELL DRAINED COBBLEOUS GLENELG LOAM

SANITARIAN CABANUG BACKHOE FUGLES OTHERS HOMEOWNER

TEST HOLES USED IN SDA \_\_\_\_\_ AVG. PERC TIME 2-5m SQ. FT/BR 3

TRENCH WIDTH 2' INLET DEPTH 6.5 <sup>or shallower</sup> MAX. BOT DEPTH 8' EFFECTIVE SW 1.5

$$\frac{150.30R}{1.2} = 375 \quad \begin{matrix} \text{SIDE} \\ \text{WALL} \end{matrix}$$

$$3' = 125 \cdot .71 = 88.75$$

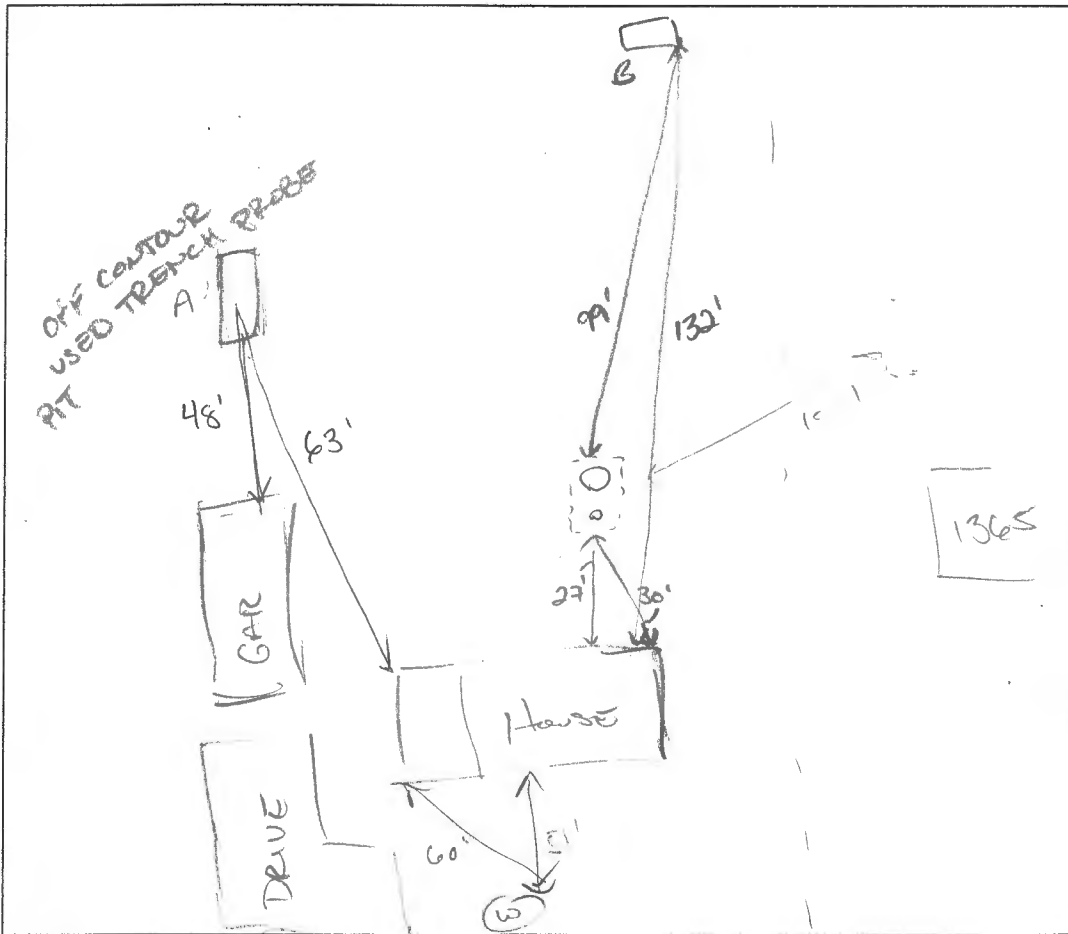
$$2' = 187 \cdot .66 = 123.42$$

2 x 62'  
REPAIR SYSTEM

SITE INSPECTION SHEET

OWNER: SABATINI, ALAN PHONE #: \_\_\_\_\_  
ADDRESS: 1361 LONG CORNER CONTRACTOR: FOGLES  
MOUNT AIRY MD 21771 WELL TAG #: 10-73-1459  
SUBDIVISION: \_\_\_\_\_ LOT: \_\_\_\_\_ COUNTY #: \_\_\_\_\_  
PROPOSAL: DISCOVERY PURSUANT TO REPAIR

LOCATION DIAGRAM



COMMENTS: WELL HAS HIGH IRON  
3BR HOUSE - HOME OWNER ON SITE w/ FOGLES SEPTIC (SMILEY)

EXISTING TRENCH

DATE: 11/19/2020 INSPECTOR: CABAHUG 001997

## Howard County, Maryland

### GgB—Glenelg loam, 3 to 8 percent slopes

#### Map Unit Setting

*National map unit symbol:* 2v7gp  
*Elevation:* 30 to 1,200 feet  
*Mean annual precipitation:* 40 to 55 inches  
*Mean annual air temperature:* 48 to 57 degrees F  
*Frost-free period:* 150 to 192 days  
*Farmland classification:* All areas are prime farmland

#### Map Unit Composition

*Glenelg and similar soils:* 85 percent  
*Minor components:* 15 percent  
*Estimates are based on observations, descriptions, and transects of the mapunit.*

#### Description of Glenelg

##### Setting

*Landform:* Interfluves, hillslopes  
*Landform position (two-dimensional):* Summit, backslope, shoulder  
*Landform position (three-dimensional):* Interfluve, side slope  
*Down-slope shape:* Linear  
*Across-slope shape:* Convex, linear, concave  
*Parent material:* Residuum weathered from mica schist

##### Typical profile

*Ap1 - 0 to 6 inches:* loam  
*Ap2 - 6 to 10 inches:* clay loam  
*Bt1 - 10 to 18 inches:* clay loam  
*Bt2 - 18 to 25 inches:* clay loam  
*Bt3 - 25 to 30 inches:* clay loam  
*BCt - 30 to 42 inches:* loam  
*CBt - 42 to 54 inches:* loam  
*C - 54 to 76 inches:* channery fine sandy loam

##### Properties and qualities

*Slope:* 3 to 8 percent  
*Depth to restrictive feature:* More than 80 inches  
*Drainage class:* Well drained  
*Runoff class:* Medium  
*Capacity of the most limiting layer to transmit water (Ksat):* Moderately high to high (0.20 to 1.98 in/hr)  
*Depth to water table:* More than 80 inches  
*Frequency of flooding:* None  
*Frequency of ponding:* None  
*Available water capacity:* High (about 10.4 inches)

##### Interpretive groups

*Land capability classification (irrigated):* None specified

*Land capability classification (nonirrigated): 2e*  
*Hydrologic Soil Group: B*  
*Hydric soil rating: No*

#### **Minor Components**

##### **Gaila**

*Percent of map unit: 10 percent*  
*Landform: Hillslopes, ridges*  
*Landform position (two-dimensional): Backslope, shoulder*  
*Landform position (three-dimensional): Side slope*  
*Down-slope shape: Convex*  
*Across-slope shape: Linear*  
*Hydric soil rating: No*

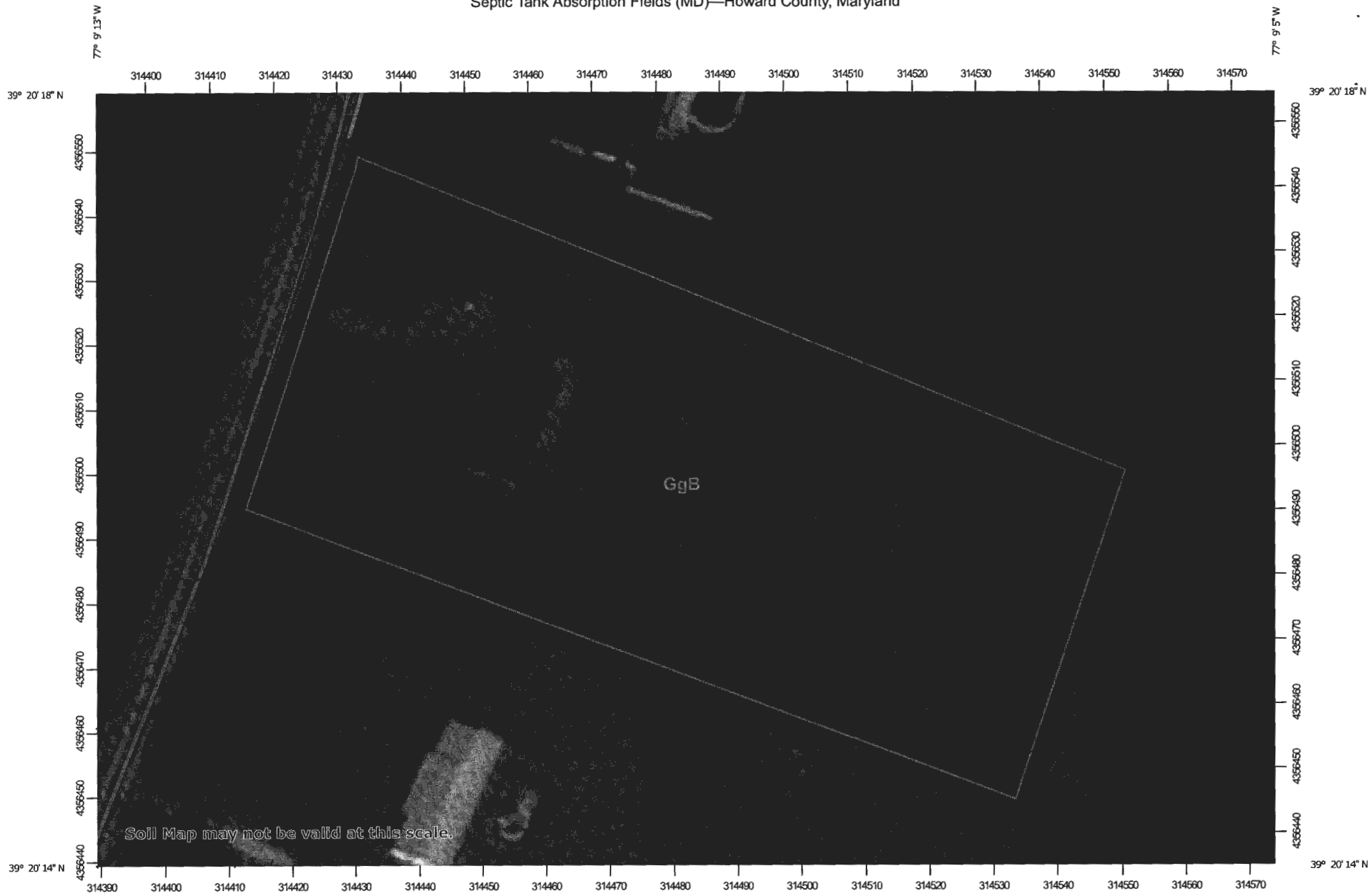
##### **Glenville**

*Percent of map unit: 5 percent*  
*Landform: Drainageways, swales*  
*Landform position (two-dimensional): Shoulder, backslope*  
*Landform position (three-dimensional): Side slope*  
*Down-slope shape: Concave*  
*Across-slope shape: Linear*  
*Hydric soil rating: No*

### **Data Source Information**

Soil Survey Area: Howard County, Maryland  
Survey Area Data: Version 15, Jun 12, 2020

Septic Tank Absorption Fields (MD)—Howard County, Maryland























Map Scale: 1:844 if printed on A landscape (11" x 8.5") sheet.



Map projection: Web Mercator Corner coordinates: WGS84 Edge tics: UTM Zone 18N WGS84



## MAP LEGEND

- Area of Interest (AOI)**  
 Area of Interest (AOI)
- Background**  
 Aerial Photography
- Soils**
- Soil Rating Polygons**
-  Very limited
  -  Somewhat limited
  -  Not limited
  -  Not rated or not available
- Soil Rating Lines**
-  Very limited
  -  Somewhat limited
  -  Not limited
  -  Not rated or not available
- Soil Rating Points**
-  Very limited
  -  Somewhat limited
  -  Not limited
  -  Not rated or not available
- Water Features**
-  Streams and Canals
- Transportation**
-  Rails
  -  Interstate Highways
  -  US Routes
  -  Major Roads
  -  Local Roads

## MAP INFORMATION

The soil surveys that comprise your AOI were mapped at 1:12,000.

Warning: Soil Map may not be valid at this scale.

Enlargement of maps beyond the scale of mapping can cause misunderstanding of the detail of mapping and accuracy of soil line placement. The maps do not show the small areas of contrasting soils that could have been shown at a more detailed scale.

Please rely on the bar scale on each map sheet for map measurements.

Source of Map: Natural Resources Conservation Service  
 Web Soil Survey URL:  
 Coordinate System: Web Mercator (EPSG:3857)

Maps from the Web Soil Survey are based on the Web Mercator projection, which preserves direction and shape but distorts distance and area. A projection that preserves area, such as the Albers equal-area conic projection, should be used if more accurate calculations of distance or area are required.

This product is generated from the USDA-NRCS certified data as of the version date(s) listed below.

Soil Survey Area: Howard County, Maryland  
 Survey Area Data: Version 15, Jun 12, 2020

Soil map units are labeled (as space allows) for map scales 1:50,000 or larger.

Date(s) aerial images were photographed: May 3, 2015—Feb 22, 2017

The orthophoto or other base map on which the soil lines were compiled and digitized probably differs from the background imagery displayed on these maps. As a result, some minor shifting of map unit boundaries may be evident.

## Howard County, Maryland

### GgB—Glenelg loam, 3 to 8 percent slopes

#### Map Unit Setting

*National map unit symbol:* 2v7gp  
*Elevation:* 30 to 1,200 feet  
*Mean annual precipitation:* 40 to 55 inches  
*Mean annual air temperature:* 48 to 57 degrees F  
*Frost-free period:* 150 to 192 days  
*Farmland classification:* All areas are prime farmland

#### Map Unit Composition

*Glenelg and similar soils:* 85 percent  
*Minor components:* 15 percent  
*Estimates are based on observations, descriptions, and transects of the mapunit.*

#### Description of Glenelg

##### Setting

*Landform:* Interfluves, hillslopes  
*Landform position (two-dimensional):* Summit, backslope, shoulder  
*Landform position (three-dimensional):* Interfluve, side slope  
*Down-slope shape:* Linear  
*Across-slope shape:* Convex, linear, concave  
*Parent material:* Residuum weathered from mica schist

##### Typical profile

*Ap1 - 0 to 6 inches:* loam  
*Ap2 - 6 to 10 inches:* clay loam  
*Bt1 - 10 to 18 inches:* clay loam  
*Bt2 - 18 to 25 inches:* clay loam  
*Bt3 - 25 to 30 inches:* clay loam  
*BCt - 30 to 42 inches:* loam  
*CBt - 42 to 54 inches:* loam  
*C - 54 to 76 inches:* channery fine sandy loam

##### Properties and qualities

*Slope:* 3 to 8 percent  
*Depth to restrictive feature:* More than 80 inches  
*Drainage class:* Well drained  
*Runoff class:* Medium  
*Capacity of the most limiting layer to transmit water (Ksat):* Moderately high to high (0.20 to 1.98 in/hr)  
*Depth to water table:* More than 80 inches  
*Frequency of flooding:* None  
*Frequency of ponding:* None  
*Available water capacity:* High (about 10.4 inches)

##### Interpretive groups

*Land capability classification (irrigated):* None specified

*Land capability classification (nonirrigated): 2e*

*Hydrologic Soil Group: B*

*Hydric soil rating: No*

#### **Minor Components**

##### **Gaila**

*Percent of map unit: 10 percent*

*Landform: Hillslopes, ridges*

*Landform position (two-dimensional): Backslope, shoulder*

*Landform position (three-dimensional): Side slope*

*Down-slope shape: Convex*

*Across-slope shape: Linear*

*Hydric soil rating: No*

##### **Glenville**

*Percent of map unit: 5 percent*

*Landform: Drainageways, swales*

*Landform position (two-dimensional): Shoulder, backslope*

*Landform position (three-dimensional): Side slope*

*Down-slope shape: Concave*

*Across-slope shape: Linear*

*Hydric soil rating: No*

## **Data Source Information**

Soil Survey Area: Howard County, Maryland

Survey Area Data: Version 15, Jun 12, 2020

## Sewage Disposal

This table shows the degree and kind of soil limitations that affect septic tank absorption fields and sewage lagoons. The ratings are both verbal and numerical. Rating class terms indicate the extent to which the soils are limited by all of the soil features that affect these uses. *Not limited* indicates that the soil has features that are very favorable for the specified use. Good performance and very low maintenance can be expected. *Somewhat limited* indicates that the soil has features that are moderately favorable for the specified use. The limitations can be overcome or minimized by special planning, design, or installation. Fair performance and moderate maintenance can be expected. *Very limited* indicates that the soil has one or more features that are unfavorable for the specified use. The limitations generally cannot be overcome without major soil reclamation, special design, or expensive installation procedures. Poor performance and high maintenance can be expected.

Numerical ratings in the table indicate the severity of individual limitations. The ratings are shown as decimal fractions ranging from 0.01 to 1.00. They indicate gradations between the point at which a soil feature has the greatest negative impact on the use (1.00) and the point at which the soil feature is not a limitation (0.00).

*Septic tank absorption fields* are areas in which effluent from a septic tank is distributed into the soil through subsurface tiles or perforated pipe. Only that part of the soil between depths of 24 and 72 inches or between a depth of 24 inches and a restrictive layer is evaluated. The ratings are based on the soil properties that affect absorption of the effluent, construction and maintenance of the system, and public health. Saturated hydraulic conductivity (Ksat), depth to a water table, ponding, depth to bedrock or a cemented pan, and flooding affect absorption of the effluent. Stones and boulders, ice, and bedrock or a cemented pan interfere with installation. Subsidence interferes with installation and maintenance. Excessive slope may cause lateral seepage and surfacing of the effluent in downslope areas.

Some soils are underlain by loose sand and gravel or fractured bedrock at a depth of less than 4 feet below the distribution lines. In these soils the absorption field may not adequately filter the effluent, particularly when the system is new. As a result, the ground water may become contaminated.

*Sewage lagoons* are shallow ponds constructed to hold sewage while aerobic bacteria decompose the solid and liquid wastes. Lagoons should have a nearly level floor surrounded by cut slopes or embankments of compacted soil. Nearly impervious soil material for the lagoon floor and sides is required to minimize seepage and contamination of ground water. Considered in the ratings are slope, saturated hydraulic conductivity (Ksat), depth to a water table, ponding, depth to bedrock or a cemented pan, flooding, large stones, and content of organic matter.

Saturated hydraulic conductivity (Ksat) is a critical property affecting the suitability for sewage lagoons. Most porous soils eventually become sealed when they are used as sites for sewage lagoons. Until sealing occurs, however, the hazard of pollution is severe. Soils that have a Ksat rate of more than 14 micrometers per second are too porous for the proper functioning of sewage lagoons. In these soils, seepage of the effluent can result in contamination of the ground water. Ground-water contamination is also a hazard if fractured bedrock is within a depth of 40 inches, if the water table is high enough to raise the level of sewage in the lagoon, or if floodwater overtops the lagoon.

A high content of organic matter is detrimental to proper functioning of the lagoon because it inhibits aerobic activity. Slope, bedrock, and cemented pans can cause construction problems, and large stones can hinder compaction of the lagoon floor. If the lagoon is to be uniformly deep throughout, the slope must be gentle enough and the soil material must be thick enough over bedrock or a cemented pan to make land smoothing practical.

Information in this table is intended for land use planning, for evaluating land use alternatives, and for planning site investigations prior to design and construction. The information, however, has limitations. For example, estimates and other data generally apply only to that part of the soil between the surface and a depth of 5 to 7 feet. Because of the map scale, small areas of different soils may be included within the mapped areas of a specific soil.

The information is not site specific and does not eliminate the need for onsite investigation of the soils or for testing and analysis by personnel experienced in the design and construction of engineering works.

Government ordinances and regulations that restrict certain land uses or impose specific design criteria were not considered in preparing the information in this table. Local ordinances and regulations should be considered in planning, in site selection, and in design.

## Report—Sewage Disposal

[Onsite investigation may be needed to validate the interpretations in this table and to confirm the identity of the soil on a given site. The numbers in the value columns range from 0.01 to 1.00. The larger the value, the greater the potential limitation. The table shows only the top five limitations for any given soil. The soil may have additional limitations]

Sewage Disposal—Howard County, Maryland					
Map symbol and soil name	Pct. of map unit	Septic tank absorption fields		Sewage lagoons	
		Rating class and limiting features	Value	Rating class and limiting features	Value
GgB—Glenelg loam, 3 to 8 percent slopes					
Glenelg	85	Very limited		Very limited	
		Seepage, bottom layer	1.00	Seepage	1.00
		Slow water movement	0.50	Slope	0.92

## Data Source Information

Soil Survey Area: Howard County, Maryland  
Survey Area Data: Version 15, Jun 12, 2020

## Howard County, Maryland

### GmB—Glenville silt loam, 3 to 8 percent slopes

#### Map Unit Setting

*National map unit symbol:* 2tmch  
*Elevation:* 20 to 1,090 feet  
*Mean annual precipitation:* 40 to 55 inches  
*Mean annual air temperature:* 48 to 57 degrees F  
*Frost-free period:* 150 to 192 days  
*Farmland classification:* All areas are prime farmland

#### Map Unit Composition

*Glenville and similar soils:* 75 percent  
*Minor components:* 25 percent  
*Estimates are based on observations, descriptions, and transects of the mapunit.*

#### Description of Glenville

##### Setting

*Landform:* Drainageways, swales  
*Landform position (two-dimensional):* Footslope, backslope  
*Landform position (three-dimensional):* Base slope, head slope, interfluvium  
*Down-slope shape:* Linear, concave  
*Across-slope shape:* Concave, linear  
*Parent material:* Colluvium derived from metamorphic rock over schist, gneiss or phyllite residuum

##### Typical profile

*Ap - 0 to 11 inches:* silt loam  
*Bt1 - 11 to 20 inches:* channery silt loam  
*Bt2 - 20 to 30 inches:* silt loam  
*Btx - 30 to 40 inches:* silt loam  
*C1 - 40 to 59 inches:* loam  
*C2 - 59 to 82 inches:* loam

##### Properties and qualities

*Slope:* 3 to 8 percent  
*Depth to restrictive feature:* 29 to 31 inches to fragipan  
*Drainage class:* Moderately well drained  
*Runoff class:* Medium  
*Capacity of the most limiting layer to transmit water (Ksat):* Moderately low (0.03 to 0.11 in/hr)  
*Depth to water table:* About 18 to 22 inches  
*Frequency of flooding:* None  
*Frequency of ponding:* None  
*Available water capacity:* Low (about 5.1 inches)

##### Interpretive groups

*Land capability classification (irrigated):* None specified

*Land capability classification (nonirrigated): 2e*

*Hydrologic Soil Group: C/D*

*Hydric soil rating: No*

#### **Minor Components**

##### **Unnamed**

*Percent of map unit: 15 percent*

*Landform: Drainageways*

*Landform position (two-dimensional): Foothlope*

*Landform position (three-dimensional): Base slope*

*Down-slope shape: Linear, concave*

*Across-slope shape: Concave, linear*

*Hydric soil rating: No*

##### **Baile**

*Percent of map unit: 10 percent*

*Landform: Swales, drainageways*

*Landform position (two-dimensional): Foothlope*

*Landform position (three-dimensional): Base slope*

*Down-slope shape: Concave, linear*

*Across-slope shape: Linear, concave*

*Hydric soil rating: Yes*

## **Data Source Information**

Soil Survey Area: Howard County, Maryland

Survey Area Data: Version 15, Jun 12, 2020



HOWARD COUNTY HEALTH DEPARTMENT

72858

DATE 11/16/20

Received From

Fogles Septic Clean

PHONE #

410 295-5670

For

Peric / Repair Blot Long Corner Rd.

CASH

CHECK

NO.

69929

Three hundred thirty Dollars

\$330.00

Received By

King