

Bureau of Environmental Health
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www.hchealth.org
 Facebook: www.facebook.com/hocohealth

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

RECEIPT DATE: 8/30/21 **ONSITE SEWAGE DISPOSAL SYSTEM** P 570133
 APPROVAL DATE: 9/16/21 (SS) **PERMIT:** **REPAIR** A _____
 PROPERTY ADDRESS: 700 Middle Trail Court
 SUBDIVISION: _____ LOT: _____ TAX ID: _____
 CONTRACTOR: Legacy Septic and Excavation EMAIL: _____
 CONTRACTOR ADDRESS: 1538 Manchester Road, Westminster, MD 21157 PHONE: 301-370-4121
 PROPERTY OWNER: Anthony Urban and Elizabeth Gressle EMAIL: _____
 OWNER ADDRESS: 700 Middle Trail Court, Mount Airy, MD 21771 PHONE: 631-745-4088

SEPTIC TANK SIZE (GALLONS): existing PUMP CHAMBER CAPACITY (GALLONS): N/A PUMP SIZE: _____
 NUMBER OF BEDROOMS: 4 HOUSE SQ. FT. _____ APPLICATION RATE: 0.8
 DISTRIBUTION SYSTEM: GRAVITY FED LOW PRESSURE DOSED

TRENCHES:	LINEAR FEET REQUIRED: <u>125'</u>	INLET DEPTH: <u>4'</u>
	TRENCH WIDTH: <u>3'</u>	MAXIMUM BOTTOM DEPTH: <u>7'</u>
	MINIMUM SPACE BETWEEN TRENCHES: <u>10</u>	EFFECTIVE AREA BEGINNING DEPTH: <u>4'</u>
LOCATION:	TO BE STAKED BY SANITARIAN DURING PRE-CONSTRUCTION INSPECTION.	
NOTES:	<u>2x63' trenches laid out on contour. Pump and collapse dry well.</u>	

ISSUED BY: DeeAnn Thomas ISSUE DATE: 9/13/21 EXPIRATION DATE: 9/13/22

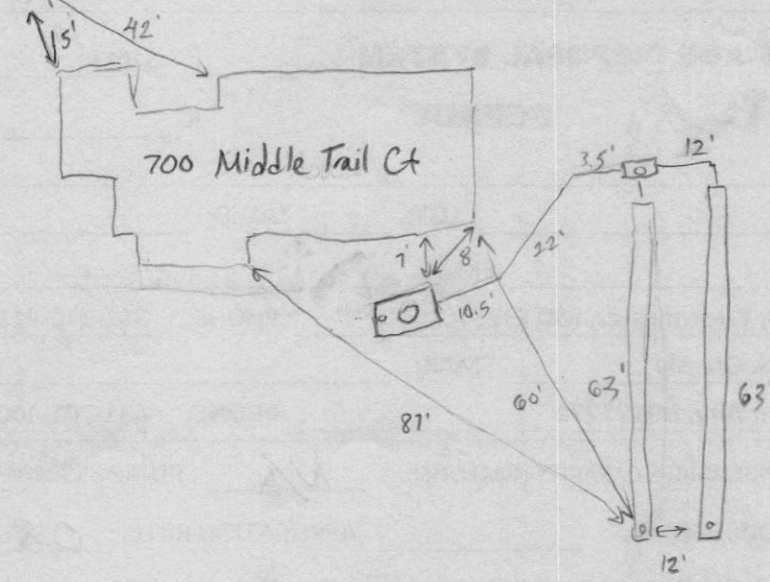
- NOTE: **CONTRACTOR MUST SCHEDULE A PRE-CONSTRUCTION INSPECTION PRIOR TO BEGINNING ANY INSTALLATION**
- NOTE: CONTRACTOR MUST SCHEDULE AN INSPECTION AND GAIN APPROVAL OF ALL COMPONENTS PRIOR TO COVERING
- NOTE: STONE MUST BE APPROVED BY HEALTH DEPARTMENT AND GRAVEL TICKET MUST BE AVAILABLE FOR REVIEW.
- NOTE: WATERTIGHT SEPTIC TANKS REQUIRED
- NOTE: ALL PARTS OF SEPTIC SYSTEM SHALL BE AT LEAST 100 FEET DOWNGRADIENT FROM ANY WATER WELL
- NOTE: MANHOLE RISERS REQUIRED ON ALL SEPTIC TANKS AND PUMP CHAMBERS
- NOTE: **AN ELECTRICAL PERMIT IS REQUIRED FOR INSTALLATION OF ANY ELECTRICAL COMPONENTS OF THE SYSTEM**
 ELECTRICAL PERMIT ISSUED E _____
- NOTE: **THE HCHD DOES NOT WARRANTY ANY SYSTEM AND CANNOT GUARANTEE THE PERFORMANCE OF THIS SYSTEM AS DESIGNED. BY ACCEPTING THIS PERMIT, THE OWNER AND/OR APPLICANT ACKNOWLEDGE THAT THE SPECIFICATIONS DETAILED IN THIS DESIGN ARE ONE POSSIBLE OPTION AND THAT THE HCHD WILL REVIEW OTHER PROPOSALS. YOU HAVE THE OPTION TO SEEK THE ADVICE OF A QUALIFIED DESIGN CONSULTANT OR PROFESSIONAL ENGINEER FOR FURTHER GUIDANCE.**
- NOTE: MDE RECOMMENDS SEPTIC TANKS, BAT, AND OTHER PRETREATMENT UNITS BE PUMPED AT A FREQUENCY ADEQUATE TO ENSURE THAT SOLIDS ARE NOT DISCHARGED TO THE DISPOSAL AREA

**NEITHER THE HOWARD COUNTY COUNCIL NOR THE HEALTH DEPARTMENT IS RESPONSIBLE FOR THE SUCCESSFUL OPERATION OF ANY SYSTEM.
 PERMITTEE RESPONSIBLE FOR OBTAINING FINAL APPROVAL ON THIS PERMIT.
 CALL 410-313-1771 TO SCHEDULE INSPECTIONS.**

Old Frederick

NOT TO SCALE

40-73-1844
W



TRENCH/DRAINFIELD DATA		
WIDTH	INLET	BOTTOM
3'	4'	7'
NUMBER OF TRENCHES		2
TOTAL LENGTH		126'
ABSORPTION AREA		378 sq ft to sidewalk
DISTRIBUTION BOX LEVEL		yes
DISTRIBUTION BOX BAFFLE		yes
DISTRIBUTION BOX PORT		yes

SEPTIC TANK DATA	
SEPTIC TANK 1 LEVEL	angled towards outlet
MANUFACTURER	existing
CAPACITY	1000 GAL
SEAM LOC	not top
TANK LID DEPTH	2'
BAFFLES	new outlet
BAFFLE FILTER	-
MANHOLE LOC	middle
6" PORT LOC	inlet
WATERTIGHT TEST	-
SLOTTED	no
DATE ON LID	-
PUMP/SEPTIC TANK LEVEL	
MANUFACTURER	
CAPACITY	GAL
SEAM LOC	
TANK LID DEPTH	
BAFFLES	
BAFFLE FILTER	
MANHOLE LOC	
6" PORT LOC	
WATERTIGHT TEST	
SLOTTED	
DATE ON LID	

ROAD NAME

PRE-CONSTRUCTION:

9/13/21 Laid out 2 x 63' trenches on contour, 10' below original trench. Contractor will move top trench down as necessary to avoid dry well, which is to be collapsed. (ST)

INSTALLATION:

9/14/21 Daywell pumped and collapsed. Riser and outlet baffle added to tank. SL constructed, d-box set and leveled. 1 x 63' trench complete. Re insp for end of 2nd trench. (ST) 9/16/21 Last trench complete (ST)

FINAL INSPECTOR Susan Thomas DATE OF APPROVAL 9/16/21

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



Map Scale: 1:648 if printed on A portrait (8.5" x 11") sheet.


0 5 10 20 30 Meters

0 30 60 120 180 Feet


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.

Septic Tank Absorption Fields (MD)

Map unit symbol	Map unit name	Rating	Component name (percent)	Rating reasons (numeric values)	Acres in AOI	Percent of AOI
GgB	Glenelg loam, 3 to 8 percent slopes	Very limited	Glenelg (85%)	Restricted permeability (1.00)	1.3	59.9%
			Glenville (5%)	Depth to saturated zone (1.00) Restricted permeability (1.00)		
GgC	Glenelg loam, 8 to 15 percent slopes	Very limited	Glenelg (90%)	Restricted permeability (1.00)	0.9	40.1%
				Slope (0.63)		
			Brinklow (10%)	Depth to bedrock (1.00)		
				Restricted permeability (1.00) Slope (0.63)		
Totals for Area of Interest					2.2	100.0%

Rating	Acres in AOI	Percent of AOI
Very limited	2.2	100.0%
Totals for Area of Interest	2.2	100.0%

Description

Septic tank absorption fields are areas in which effluent from a septic tank is distributed into the soil through subsurface tiles or perforated pipe. The soil between depths of 0 and 60 inches 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.

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 the specified use. "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 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).

The map unit components listed for each map unit in the accompanying Summary by Map Unit table in Web Soil Survey or the Aggregation Report in Soil Data Viewer are determined by the aggregation method chosen, which is displayed on the report. An aggregated rating class is shown for each map unit. The components listed for each map unit are only those that have the same rating class as listed for the map unit. The percent composition of each component in a particular map unit is presented to help the user better understand the percentage of each map unit that has the rating presented.

Other components with different ratings may be present in each map unit. The ratings for all components, regardless of the map unit aggregated rating, can be viewed by generating the Selected Soil Interpretations report with this interpretation included from the Soil Reports tab in Web Soil Survey or from the Soil Data Mart site. Onsite investigation may be needed to validate these interpretations and to confirm the identity of the soil on a given site.

The Maryland version of this interpretation differs from the national version as follows:

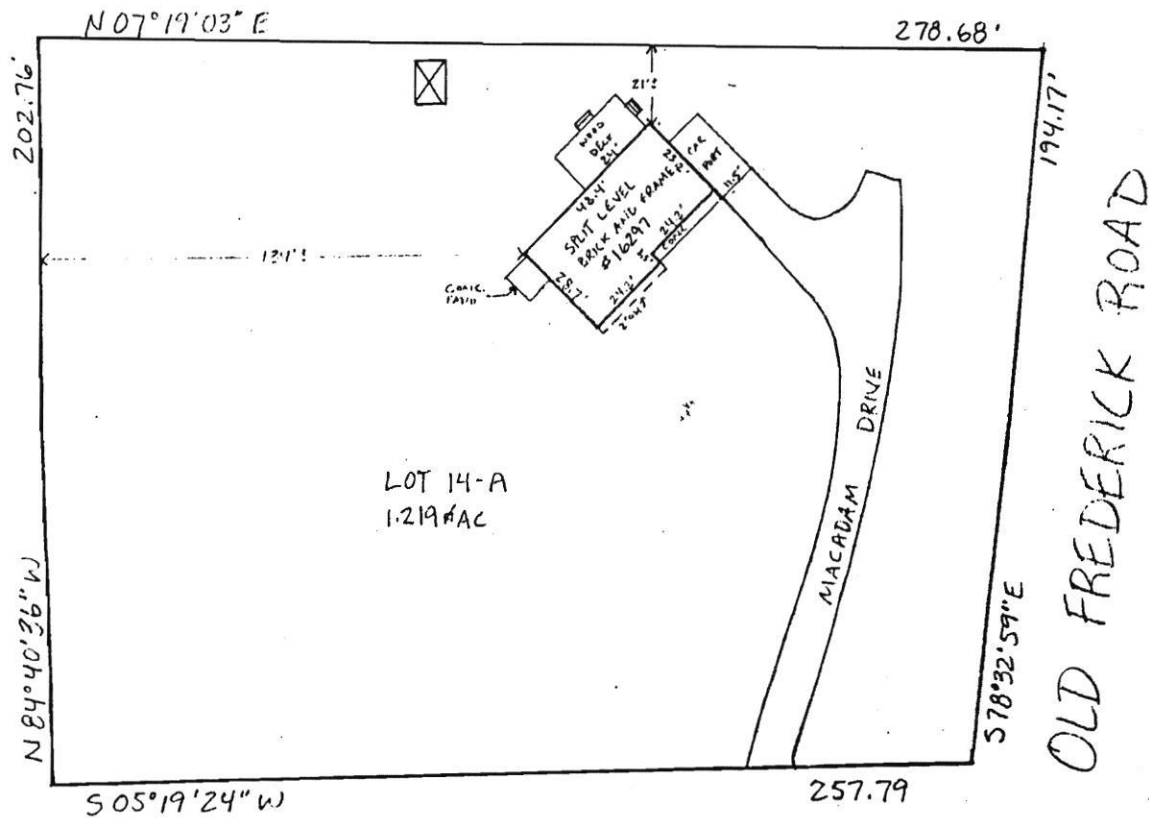
1. Soils in Maryland are evaluated from 0-60 inches, instead of 24 to 60 inches.
2. Evaluation of minimum Ksat is from 24" to 60".
3. Restriction limits are < 4.0 and $> 14.0 \text{ um s}^{-1}$.
4. Unstable Fill is removed from the criteria related to reclamation material.
5. Seepage, Bottom Layer, Not Aridic are removed from the criteria.

Rating Options

Aggregation Method: Dominant Condition

Component Percent Cutoff: None Specified

Tie-break Rule: Higher



Subject property is shown in Zone C
 on the National Flood Insurance Program
 Flood Insurance Rate Map of HOWARD
 County, Maryland. Panel 20F45
 Community Panel 2400.17 0002 B
 Effective Date: DECEMBER 4 1986



This is to certify that I have surveyed the property
 known as 16297 OLD FREDERICK ROAD (LOT 14-A) AS DESCRIBED
 IN A DEED
 sheet - of - recorded LIBER 1510 FOLIO 147 among the
 Land Records of HOWARD County, Maryland for the
 purpose of locating the improvements thereon.

THIS PLAT SHOWS ONLY THAT THE IMPROVEMENTS ARE
 CONTAINED WITHIN THE OUTLINES OF THE LOT AND IS
 NOT TO BE USED TO ESTABLISH PROPERTY LINES.



J. Carl Hudgins PLS#96

LOCATION SURVEY
 16297 OLD FREDERICK ROAD
 HOWARD COUNTY MARYLAND

NTT ASSOCIATES, INC.
 16205 Old Frederick Road
 Mt. Airy, Maryland 21771
 Phone 442-2031

Scale	1"=50'
Date	4-12-94
Field By	DAN
Drawn By	DAN
Drawing #	MISC 16297