

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

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

RECEIPT DATE: 4/30/21 **ONSITE SEWAGE DISPOSAL SYSTEM** P 568888

APPROVAL DATE: 6/7/21 (SV) **PERMIT:** **REPAIR** A 568888

PROPERTY ADDRESS: 12242 Carroll Mill Road

SUBDIVISION: _____ LOT: _____ TAX ID: _____

CONTRACTOR: Fogles Septic Clean Inc EMAIL: kim@foglesinc.com

CONTRACTOR ADDRESS: 580 Obrecht Road, Sykesville, MD 21784 PHONE: 410-795-5670

PROPERTY OWNER: Troy Broadbent EMAIL: _____

OWNER ADDRESS: 12242 Carroll Mill Road PHONE: 443-255-2100

SEPTIC TANK SIZE (GALLONS): EXISTING PUMP CHAMBER CAPACITY (GALLONS): — PUMP SIZE: —

NUMBER OF BEDROOMS: 4 HOUSE SQ. FT. — APPLICATION RATE: 1.2

DISTRIBUTION SYSTEM: GRAVITY FED LOW PRESSURE DOSED

TRENCHES:	LINEAR FEET REQUIRED: <u>90'</u>	INLET DEPTH: <u>4'</u>
	TRENCH WIDTH: <u>2'</u>	MAXIMUM BOTTOM DEPTH: <u>12'</u>
	MINIMUM SPACE BETWEEN TRENCHES: <u>—</u>	EFFECTIVE AREA BEGINNING DEPTH: <u>8'</u>

LOCATION: **TO BE STAKED BY SANITARIAN DURING PRE-CONSTRUCTION INSPECTION.**

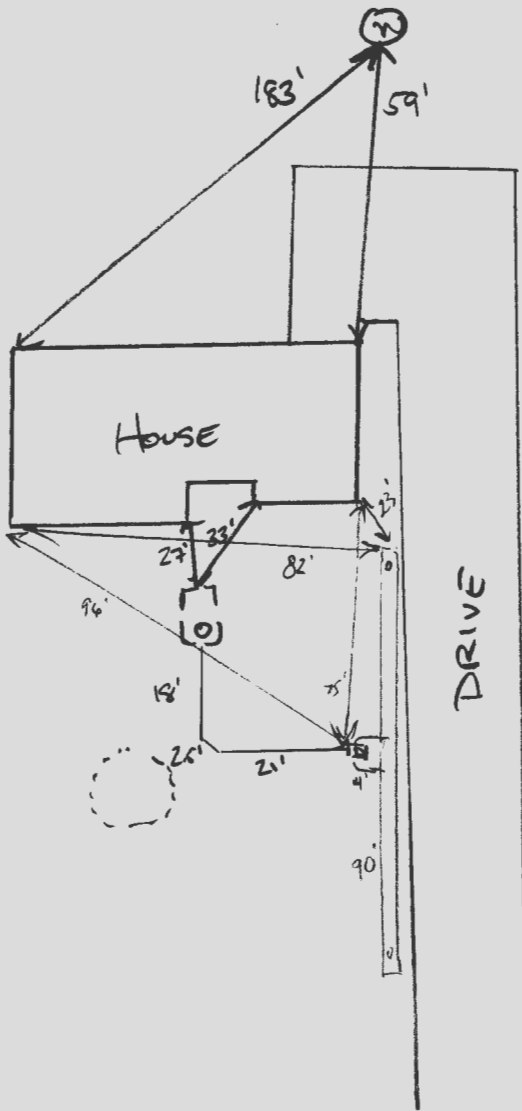
NOTES: **TRENCH POSITIONED TO NOT CROSS UTILITIES. 18' TRENCH TOWARDS HOUSE GAINS 18" OF CONTOUR 72' TRENCH TOWARD ELECTRIC ROW LOSSES 6". USE LASER FROM TRENCH CENTER POINT. AB/BEAL EX DW. * 6' FROM GRADE HAS ~0.6 APP. RATE ** NEXT SYSTEM MAY REQ PUMP TANK**

ISSUED BY: CRABHUG 001997 ISSUE DATE: 05/13/2021 EXPIRATION DATE: 05/13/2022

- 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.

NOT TO SCALE



ROAD NAME

TRENCH/DRAINFIELD DATA

WIDTH INLET BOTTOM

2' 4' 12'

NUMBER OF TRENCHES 1

TOTAL LENGTH 90'

ABSORPTION AREA 270 SF + SIDE WALL

DISTRIBUTION BOX LEVEL YES

DISTRIBUTION BOX BAFFLE YES

DISTRIBUTION BOX PORT YES

SEPTIC TANK DATA

SEPTIC TANK 1 LEVEL

MANUFACTURER

CAPACITY GAL

SEAM LOC mid seam

TANK LID DEPTH 5'

BAFFLES outlet (new)

BAFFLE FILTER

MANHOLE LOC outlet (new)

6" PORT LOC inlet

WATERTIGHT TEST

SLOTTED no

DATE ON LID

EXISTING

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

PRE-CONSTRUCTION:

05/13/2021 LAID OUT 1x90' TRENCH. SEE NOTES FOR DETAIL - TRENCH IS SLIGHTLY OF CONTOUR DUE TO UTILITIES AND DRIVE. (D)

INSTALLATION: 06/04/2021 ABANDONED AND SEALED EXISTING DWS. INSTALLED

EFFLUENT LINE TO NEW D BOX. (D) 06/17/21 Contour higher at upper end of trench, ~2' difference. 1x90' trench installed, with d-box at center. D-box leveled. (D)

FINAL INSPECTOR

Susan Thomas

DATE OF APPROVAL

6/7/21



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www.bceh.org

Facebook: www.facebook.com/hcdeh

Twitter: @HowardCoHealthDep

Dr. Maury J. Roszman, M.D., Health Officer

P. 568888

INFORMATION FORM - SEPTIC SYSTEM REPAIR/UPGRADE

Reason for Request

- Reason for Request: [X] Existing System, [] System relocation for proposed addition, [] System upgrade for proposed addition, [] Inadequate treatment zone, [] Collapsed septic tank, [] Collapsed drywell

Has the septic tank been pumped within the last month?

- Has the septic tank been pumped within the last month? [X] Yes Date pumped: 4/28/21, [] No

Was a visual inspection of the septic tank and/or drain fields conducted?

- Was a visual inspection of the septic tank and/or drain fields conducted? [X] Yes Explain observations: SNaked outlet, [] No

Was a visual inspection of the sewage line conducted?

- Was a visual inspection of the sewage line conducted? [] Yes Blockage leading to the tank: [] Yes Explain, [X] No, Blockage leading to the field: [] Yes Explain, [X] No

Existing system design

- Existing system design: [] Drywell, [] French, [] Mound, [X] Unknown, [] Other

Is discharge surfacing on the ground?

- Is discharge surfacing on the ground? [] Yes, [] No

Additional Comments:

*For REPAIR, are the owners proposing, or do they plan to add in the future, any additions or modifications to the property, i.e. pools, living space additions, garages, etc? This information must be disclosed at the time of this application. The Health Department will not be able to accommodate requests in the field for property modifications unrelated to the repair request. Such requests may require an additional fee, testing and submittal of a Percolation Certification Plan, if the property does not meet current Code and Regulation.

Septic Contractor: Eagle's Septic Clean, Contractor's Phone: 410-795-5620, Contractor's Address: 580 Obrecht Rd, Sykesville, 21784

Property Address: 12242 Carroll Mill Rd, County file: Woodmark, Lot: 44, Year Built: 1971, Owner's Name: Troy Broadbent, Owner's Phone: 443-255-2100

Name of previous owners: Existing bedrooms: 4, Proposed bedrooms:

Has this request been previously discussed with a Sanitarian? (Name): Public Sewer available/nearby: NO

*A Sanitarian will be in contact within three business days, depending upon the urgency of the situation, to coordinate the scheduling/visit of the repair or upgrade.

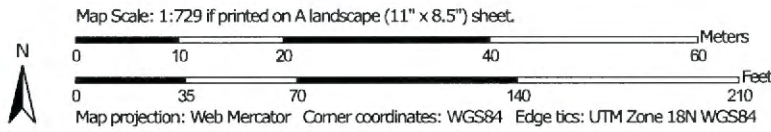
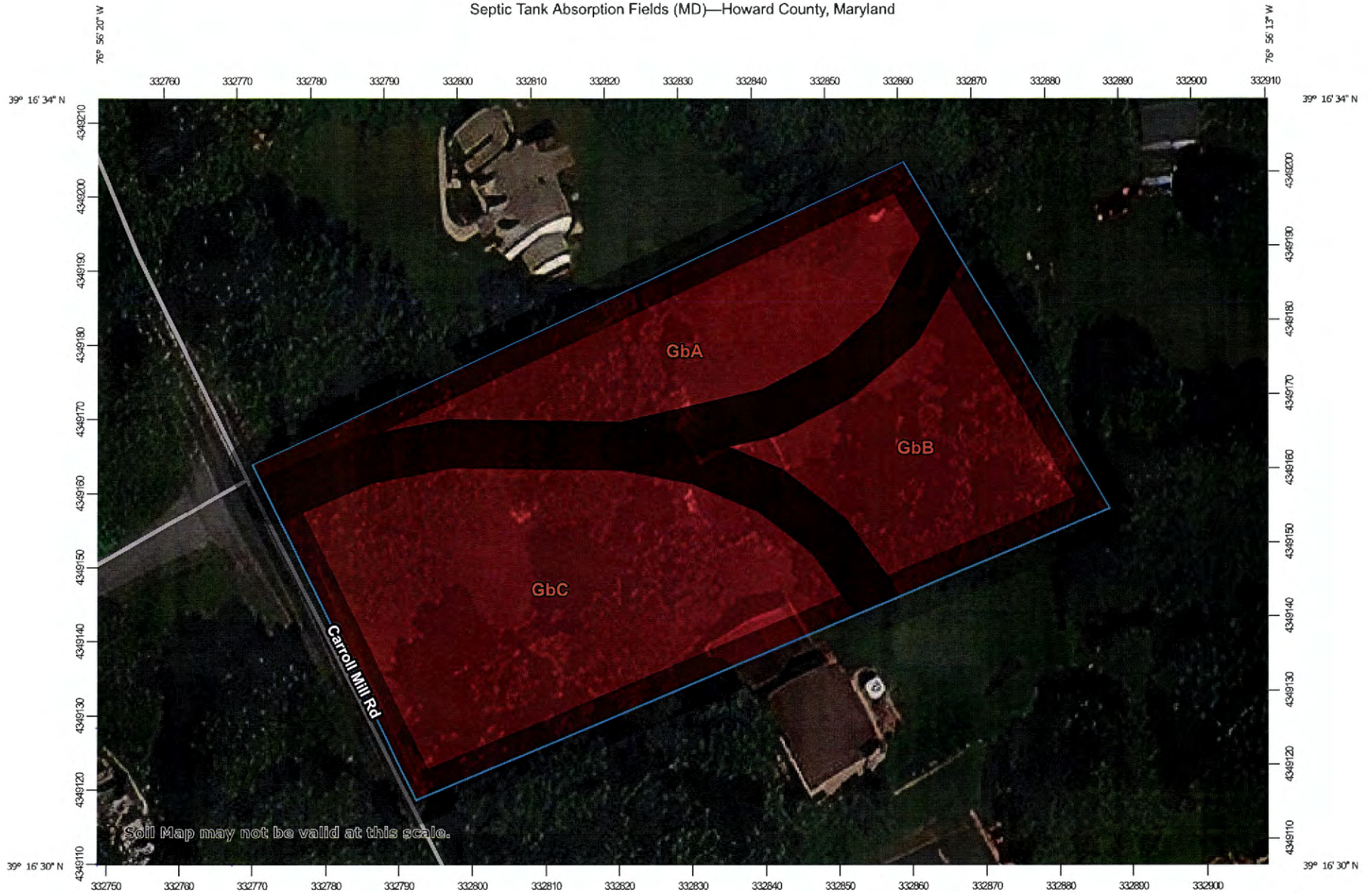
*Prior to scheduling inspections, scaled plans should be submitted to clarify the nature of the addition. Print out a copy of Real Property Data via Dept. of Taxation website. Indexed file found. If public sewer may be nearby, verify whether sewer is technically "available" through the Bureau of Engineering.

If sewer is available and the property is within the Metropolitan District, connection to sewer is required. If the owner believes reason for occupation exists, the owner should justify the request in writing.

If land/site conditions are limited and sewer and/or Metro District status is not conducive to connection, the Sanitarian may recommend pursuit of Emergency Sewer Extension or Emergency Metro District Inclusion. The Owner should contact the Bureau of Utilities for details.


No permits to be issued nor inspection to be scheduled without prior fee collection at the office unless an emergency situation exists. The contractor is to notify office of the emergency situation as soon as possible.

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




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.

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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
GbA	Gladstone loam, 0 to 3 percent slopes	Very limited	Gladstone (85%)	Restricted permeability (1.00)	0.4	28.7%
			Glenelg (10%)	Restricted permeability (1.00)		
			Glenville (5%)	Depth to saturated zone (1.00)		
				Depth to cemented pan (1.00)		
Glenville (5%)	Restricted permeability (1.00)					
	Gladstone (85%)	Restricted permeability (1.00)	0.3	24.7%		
Glenelg (15%)	Restricted permeability (1.00)					
GbC	Gladstone loam, 8 to 15 percent slopes	Very limited	Gladstone (85%)	Restricted permeability (1.00)	0.6	46.6%
				Slope (0.63)		
			Glenelg (10%)	Restricted permeability (1.00)		
				Slope (0.63)		
Totals for Area of Interest					1.3	100.0%

Rating	Acres in AOI	Percent of AOI
Very limited	1.3	100.0%
Totals for Area of Interest	1.3	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 $\mu\text{m s}^{-1}$.
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



