OWTDS Site Evaluation
by Accent Environmental, LLC

Site Evaluation Report

Job #: 333-DS20-RE

PO Box 788
Millsboro, DE 19966
www.aedelmarva.com

Property Owner(s): PNC Bank **Tax Map #:** 430-6.00-41.00

Owner(s) Address: 3232 Newmark Drive **Lot #:** **FEMA V Zone:** No

Miamisburg OH 45342 **Contact Phone:** ###-###-#### **HUC #:** 020801090205

Property Location: South side of CR 492; Sussex County, DE

Property Size: 0.26 ac +/- **Central Sewer:** Not Available **Central Water:** Not Available **HUC Name:** Tussocky Brnch-Broad Crk

Depth to and Type of Limiting Zone Encountered:

Number	1	29 " to redoximorphic features;	38 inches to free water	Aquic Quartzipsamments
Number	2	26 " to redoximorphic features;	38 inches to free water	Aquic Hapludults
Number	3	25 " to redoximorphic features;	35 inches to free water	Aquic Quartzipsamments
Number			inches to free water	
Number			inches to free water	
Number			inches to free water	

GPS:

Number	1	N:38.57897	W:75.57300	**Evaluator:** William J Gangloff	**License:**	D-4455
Number	2	N:38.54878	W:75.54277	**Evaluation Date:** Jan 14, 2020		

Summary of Evaluation: *See* ***Design Considerations & Comments*** on the Approval Page for property information and details on system design. See the plot plan for potential disposal area(s) location(s).

Disposal Option 1: Soils in the potential disposal area(s) is/are moderately well drained with moderately rapidly **(25 MPI)** permeable subsoil.
Site conditions are suited for a(n) Sand Mound disposal system (hatched) in the vicinity of Boring(s) 1 and 3. The potential disposal area(s) is/are scattered with trees and located within a backslope landscape position(s) with slopes ranging from 1 to 2 percent. For design purposes, the limiting zone for Disposal Option 1 was assigned at **25"** based on the depth to redoximorphic features. Free water levels ranged from 35" to 38". The moderately rapidly permeable infiltration rate of **(25 MPI)** was assigned to the the most hydraulically restrictive soil material encountered from 0 to 60 inches beneath the soil surface. In this area, the most restrictive soil texture was sandy loam. This texture was identified in all horizons of Boring(s) 1 and 3. Clay content, soil structure and consistence, and seasonal saturation were all factored into the assigned permeability rate.

* Nitrogen Reducing Technologies meeting PSN3 must be incorporated into the design of the onsite wastewater treatment and disposal system.

* Soils in the vicinity of borings 1 and 3 are also suited for an I/A Peat Biofilter system with a 25 inch limiting zone and an estimated 25 MPI percolation rate.

* Trees and shrubs should be carefully removed from the potential disposal area as outlined by DNREC. Improper clearing of the area may negate this site evaluation and require re-evaluation.

* There are state mapped, non-tidal wetlands located on the property under investigation. A formal wetland delineation was not performed.

CHESAPEAKE BAY

CPSS
Certified Professional Soil Scientist
WILLIAM J. GANGLOFF, PhD
24747

5/18/20
Date

Evaluator's Signature

Note: Site evaluation information was collected for on-site wastewater disposal interpretations only. The information in this site evaluation and plot plan has been compiled from any of the following sources: tax map, deed, survey, recorded plot, or field located property corners, and may include anecdotal information supplied by property owners, adjacent residents, and/or other interested parties. Locations of wells and septic systems are by direct observation where possible, but are often based on information provided by permits, property owners, adjacent residents, and/or other interested parties. This plot plan represents the site conditions at the time of evaluation but it is not a survey. No title search has been conducted; any easements shown are from subdivision record plans or deed. Subsequent alteration of the site or adjacent properties may negate approval by the regulatory agency(ies) involved in permitting. All information should be reverified prior to purchase or use.