



SITE INVESTIGATION FOR SUBSURFACE SEWAGE DISPOSAL

Owner: Robert & Pamela Howard

Location: 339 Chesterfield Road, Montville

Deep Test Hole Data/Soil Descriptions

DATE: 3/11/2024

| Test Hole # 1 | Test Hole # 2 | Test Hole # 3 | Test Hole # 4 |
|---|--|--|--|
| 0-4" Top Soil 4"-31" Tan Fine Loamy Sand 31"-48" Gray Fine Sand | 0-8" Top Soil 8"-22" Tan Fine Loamy Sand 22"-50" Gray Very Fine Sand | 0-8" Top Soil 8"-18" Tan Fine Loamy Sand 18"-60" Gray Very Fine Sand | 0-8" Top Soil 8"-22" Tan Fine Loamy Sand 22"-70" Gray Very Fine Sand |
| Mottling: --- | Mottling: --- | Mottling: --- | Mottling: --- |
| GW: --- | GW:--- | GW: --- | GW: 68" |
| Ledge: 48" | Ledge: 50" | Ledge: 60" | Ledge: 70" |
| Roots: 26" | Roots: 30" | Roots: --- | Roots: --- |
| Restrictive: 48" | Restrictive: 50" | Restrictive: 60" | Restrictive: 70" |

Test Pits 1&2 located in proposed Reserve Area. Test Pits 3&4 located in proposed Primary Area.
Groundwater Table: Near Max

Percolation Test Data

Date: 3/11/2024

| Perc # A | | Perc Rate: 10.1-20 (Reserve Area) | | Perc # B | | Perc Rate: 8.9 min/in (Primary Area) | |
|----------------------|---------|--------------------------------------|---------|-----------------|---------|---|---------|
| Depth: 18" | | | | Depth: 18" | | | |
| Presoak time: 1 Hour | | | | Presoak: 1 Hour | | | |
| Time | Reading | Time | Reading | Time | Reading | Time | Reading |
| 11:30 | 3.48" | 12:30 | 8.04" | 11:35 | 3.36" | 12:35 | 11.16" |
| 11:40 | 4.20" | | | 11:45 | 5.04" | | |
| 11:50 | 5.16" | | | 11:55 | 6.84" | | |
| 12:00 | 5.88" | | | 12:05 | 7.92" | | |
| 12:10 | 6.60" | | | 12:15 | 9" | | |
| 12:20 | 7.32" | | | 12:25 | 10" | | |

Soil Moisture: Medium

Location: 339 Chesterfield Road, Montville

Location Drawing Including all Test Holes and Percolation Tests

Test pits and perc test holes located by RCL Thompson LLC.

| SPECIAL CONDITIONS | | CONCLUSIONS | |
|--|---|--|---|
| Design Flow > 2000 GPD | | Suitable for Sewage Disposal | x |
| Public Water Supply Watershed | | Unsuitable for Sewage Disposal (Based on area tested) | |
| Probable High Groundwater | | Additional Investigation Required | |
| Ground Water < 36 inches below grade | | Wet Season Monitoring Required | |
| Slope > 25% | | Retest During Wet Season | |
| Perc Rate < 1 min/inch | | Licensed Engineer's Plan Required | x |
| Perc Rate < 5 min/inch (24" above water) | | Other: | |
| Perc Rate > 30 min/inch | | | |
| Ledge < 5 feet below grade | x | | |
| Limited Suitable Area | | | |
| Open Watercourse or Wetlands | x | | |
| Flood Plain/Seasonal Flooding | | | |

DESIGN RECOMMENDATIONS/COMMENTS: A septic design for a 3-bedroom home will require a 1,000 gallon two compartment septic tank and 495 square feet of ELA. The maximum depth into grade is not to exceed 0". MLSS must be addressed. An engineered plan is to be submitted for review prior to any permit to construct being issued. The existing house, system, and well are to be properly abandoned. Must get approval from Town of Montville Zoning Department and Wetlands Commission.

Form Completed By: Donovan Moe, Environmental Health Inspector

Others Present For Site Investigation: Ryan Thompson, Engineer & Surveyor RCL Thompson