

**SOIL/SITE EVALUATION
 for ON-SITE WASTEWATER SYSTEM**

Owner: Applicant: Charles Marshall Tomson
 Address: 1173 Johnson Farm Rd Date Evaluated: 04/26/17
 Proposed Facility: 2 BR SFD Design Flow (.1949): 240 GPD
 Location of Site: Property Recorded: yes
 Water Supply: Public Individual Well
 Evaluation Method: Auger Boring Pit Cut
 Type of Wastewater: Sewage Industrial Process

Property Size: 29.78 Ac
 Spring Other
 Mixed * Current well
Change to County Water

| P R O F I L E # | .1940 Landscape Position/ Slope % | Horizon Depth (In.) | SOIL MORPHOLOGY .1941 | | OTHER PROFILE FACTORS | | | | Profile Class & LTAR |
|--------------------------------------|--|---------------------------|--------------------------------|------------------------------------|------------------------------------|------------------------------|-------------------------|-------------------------|----------------------------|
| | | | .1941 Structure/ Texture | .1941 Consistence Mineralogy | .1942 Soil Wetness/ Color | .1943 Soil Depth (IN.) | .1956 Sapro Class | .1944 Restr Horiz | |
| | | | | | | | | | |
| 1 | L 2/10 | 0-8 | GR SL | FR SSSR Sp | | | | | B |
| | | 8-42 | BK SCL | FI SP Sp | 7.5 YR 7.1 @ 40" | 42+ | | | 0.35 |
| 2 | L 1/10 | 0-12 | GR SL | FR SSSR Sp | | | | | B |
| | | 12-40 | BK SCL | FI SP Sp | 7.5 YR 7.1 @ 38" | 40+ | | | 0.35 |
| 3 | L 1/10 | 0-14 | GR SL | FR SSSR Sp | | | | | B |
| | | 14-42 | BK SCL | FI SP Sp | 7.5 YR 7.1 @ 40" | 42+ | | | 0.35 |
| 4 | L 3/10 | 0-14 | GR SL | FR SSSR Sp | | | | | B |
| | | 14-42 | BK SCL | FI SP Sp | 7.5 YR 7.1 @ 40" | 42+ | | | 0.35 |
| 5 | L 3/10 | 0-6 | GR SL | FR SSSR Sp | | | | | B |
| | | 6-32 | BK SCL | FI SP Sp | 7.5 YR 7.1 @ 38" | 32+ | | | 0.35 |
| | | | | | | | | | |
| | | | | | | | | | |

| | | | |
|-------------------------|-------------------------------------|-------------------------------------|--|
| Description | Initial System | Repair System | Other Factors (.1946): |
| Available Space (.1945) | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> | Site Classification (.1948): <u>Provisionally Suitable</u> |
| System Type(s) | <u>2.5/10</u> | <u>2.5/10</u> | Evaluated By: <u>Andrew Curran, REHS</u> |
| Site LTAR | <u>0.35</u> | <u>0.35</u> | Others Present: |

COMMENTS: _____

| LANDSCAPE POSITIONS | GROUP | TEXTURES | .1955 LTAR | CONSISTENCE MOIST | WET |
|---------------------|-------|---------------------|------------|--------------------|--------------------|
| R-RIDGE | I | S-SAND | 1.2 - 0.8 | VFR-VERY FRIABLE | NS-NON-STICKY |
| S-SHOULDER SLOPE | | LS-LOAMY SAND | | FR-FRIABLE | SS-SLIGHTLY STICKY |
| L-LINEAR SLOPE | II | SL-SANDY LOAM | 0.8 - 0.6 | FI-FIRM | S-STICKY |
| FS-FOOT SLOPE | | L-LOAM | | VFI-VERY FIRM | VS-VERY STICKY |
| N-NOSE SLOPE | | | | EFI-EXTREMELY FIRM | NP-NON-PLASTIC |
| H-HEAD SLOPE | III | SI-SILT | 0.6 - 0.3 | | SP-SLIGHTLY STICKY |
| CC-CONCLAVE SLOPE | | SIL-SILT LOAM | | | P-PLASTIC |
| CV-CONVEX SLOPE | | CL-CLAY LOAM | | | VP-VERY PLASTIC |
| T-TERRACE | | SCL-SANDY CLAY LOAM | | | |
| FP-FLOOD PLAN | IV | SIC-SILTY CLAY | 0.4 - 0.1 | | |
| | | C-CLAY | | | |
| | | SC-SANDY CLAY | | | |

STRUCTURE

- SG-SINGLE GRAIN
- M- MASSIVE
- CR-CRUMB
- GR-GRANULAR
- SBK-SUBANGULAR BLOCKY
- ABK-ANGULAR BLOCKY
- PL-PLATY
- PR-PRISMATIC

MINERALOGY

- SLIGHTLY EXPANSIVE
- EXPANSIVE

Show profile locations and other site features (dimensions, references or benchmark, and North)

