

SFD1910-0036  
 BARBOUR S/D  
 LOT 4

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

Owner: - Applicant: Paul & Barbara Barbour  
 Address: 1809 Wilburn Rd, Date Evaluated:   
 Proposed Facility: 302 SFD, Design Flow (.1949): 360 GPD Property Size:   
 Location of Site: 302 SFD Property Recorded:   
 Water Supply:  Public  Individual  Well  Spring  Other  
 Evaluation Method:  Auger Boring  Pit  Cut  
 Type of Wastewater:  Sewage  Industrial Process  Mixed

| P<br>R<br>O<br>F<br>I<br>L<br>E<br># | .1940<br>Landscape<br>Position/<br>Slope % | Horizon<br>Depth<br>(In.) | SOIL MORPHOLOGY<br>.1941       |                                    | OTHER<br>PROFILE FACTORS           |                              |                         |                         | Profile<br>Class<br>& LTAR |
|--------------------------------------|--|---------------------------|--------------------------------|------------------------------------|------------------------------------|------------------------------|-------------------------|-------------------------|----------------------------|
|                                      |  |                           | .1941<br>Structure/<br>Texture | .1941<br>Consistence<br>Mineralogy | .1942<br>Soil<br>Wetness/<br>Color | .1943<br>Soil<br>Depth (IN.) | .1956<br>Sapro<br>Class | .1944<br>Restr<br>Horiz |                            |
| 1                                    | L 5%                                       | 0-18                      | CL LS                          | ML NSNP                            |                                    |                              |                         |                         |                            |
|                                      |  | 18-42                     | ML SW                          | EN S/SR                            |                                    |                              |                         |                         | PS                         |
|                                      |  | 42+                       | Parent<br>Mat.                 | —                                  |                                    | 42                           |                         |                         | 0.35                       |
| 2                                    | L 5%                                       | 0-36                      | CL LS                          | ML NSNP                            |                                    |                              |                         |                         | PS                         |
|                                      |  | 36-48                     | ML SW                          | EN S/SR                            |                                    | 48                           |                         |                         | 0.35                       |
| 3.5                                  | L 5%                                       | 0-36                      | CL LS                          | ML NSNP                            |                                    |                              |                         |                         |                            |
|                                      |  | 36-42                     | ML SW                          | EN S/SR                            |                                    |                              |                         |                         | PS                         |
|                                      |  | 42+                       | Parent<br>Mat.                 | —                                  |                                    | 42                           |                         |                         | 0.35                       |
| 4.16                                 | L 5%                                       | 0-36                      | CL LS                          | ML NSNP                            |                                    |                              |                         |                         | 6/PS                       |
|                                      |  | 36-38                     | ML SW                          | EN S/SR                            | 7.5VLT @ 34"                       | 38                           |                         |                         | 0.35                       |
| 7                                    | L 5%                                       | 0-20                      | UNSATURABLE PHYSICAL WEIENESS  |                                    |                                    |                              |                         |                         | UNPS                       |

|                         |                                     |                                     |  |
|-------------------------|-------------------------------------|-------------------------------------|--|
| Description             | Initial System                      | Repair System                       | Other Factors (.1946):   |
| Available Space (.1945) | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> | Site Classification (.1948): Unsatiable/Provisionally Satiable |
| System Type(s)          | 25% HD                              | 25% HD                              | Evaluated By: Andrew Curran, PEAS                              |
| Site LTAR               | 0.35                                | 0.35                                | 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

