

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

Owner: 06-500 15152

Applicant:

Address:

Date Evaluated: 9-11-06

Proposed Facility: SFD

Design Flow (.1949): 36

Property Size: .574

Location of Site: NC 27

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 |  |                            |
|                                      |  |                           |                               |                                   |                                   |                             |                        |                        |  |                            |
|                                      |  | 0-30                      | GR JL                         | VFA S <sub>2</sub>                |                                   |                             |                        |                        |  |                            |
|                                      |  | 30-39                     | GDH SCL                       | FR S <sub>2</sub>                 | 02020                             | 38                          |                        |                        |  | .4                         |
|                                      |  | 248                       | GR SL                         | VFA S <sub>2</sub>                |                                   | 48                          |                        |                        |  | .6                         |
|                                      |  | 0-24                      | GR JL                         | VFA S <sub>2</sub>                |                                   |                             |                        |                        |  |                            |
|                                      |  | 24-30                     | S <sub>2</sub> JL             | FR S <sub>2</sub>                 | FR 7                              | 38                          | 38                     |                        |  | .4                         |
|                                      |  | 0-30                      | GR SL                         | VFA S <sub>2</sub>                |                                   |                             |                        |                        |  |                            |
|                                      |  | 30-42                     | S <sub>2</sub> JL             | FR S <sub>2</sub>                 |                                   | 42                          |                        |                        |  | .6                         |
|                                      |  | 0-30                      | L JL                          | VFA S <sub>2</sub>                |                                   |                             |                        |                        |  |                            |
|                                      |  | 30-42                     | S <sub>2</sub> JL             | FR S <sub>2</sub>                 |                                   |                             |                        |                        |  |                            |
| 6, 7                                 |  | 0-18                      | GR SL                         | VFA S <sub>2</sub>                |                                   |                             |                        |                        |  |                            |
|                                      |  | 18-26                     | S <sub>2</sub> JL             | FR S <sub>2</sub>                 |                                   |                             |                        |                        |  |                            |
|                                      |  | 26-30                     | S <sub>2</sub> JL             | FR S <sub>2</sub>                 | 02030                             |                             |                        |                        |  | .3 Un                      |

| Description             | Initial System | Repair System |
|-------------------------|----------------|---------------|
| Available Space (.1945) | ✓              | ✓             |
| System Type(s)          | 25% Red.       | LPP           |
| Site LTAR               | .4             | .2            |

Other Factors (.1946): \_\_\_\_\_  
 Site Classification (.1948): \_\_\_\_\_  
 Evaluated By: PJ.  
 Others Present: JN, JP

1x225' of  
25% Red.

COMMENTS: \_\_\_\_\_

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

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, reference or benchmark, and North).

