

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

OWNER: Homes by Vanderbilt APPLICANT: David Olive  
 ADDRESS: Sanford, N.C. APPLICATION DATE: 1-5-96 DATE EVALUATED: 1-20-96  
 PROPOSED FACILITY: DW PROPOSED DESIGN FLOW (.1949): 120 gal/bedroom PROPERTY SIZE: SAC  
 LOCATION OF SITE: Hwy 421 N. PROPERTY RECORDED: \_\_\_\_\_  
 WATER SUPPLY:  Private  Public  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>LAND-<br>SCAPE<br>POSITION/<br>SLOPE % | HORI-<br>ZON<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 | .1956<br>SAPRO<br>CLASS | .1944<br>RESTR<br>HORIZ |                            |
| 1                                    | L<br>0-5%                                       | 0-22                           | SL Gr                          | VFr NEX                             |                                    |                        |                         |                         | .4                         |
|                                      |   | 22-30                          | SCL wsbk                       | Fr NEX                              |                                    |                        |                         |                         |                            |
|                                      |   | 30-36                          | SC sbk                         | Fi SEX                              |                                    |                        |                         |                         |                            |
| 2                                    | L<br>0-5%                                       | 0-18                           | SL Gr                          | VFr                                 |                                    |                        |                         |                         | .3                         |
|                                      |   | 18-36                          | SC sbk                         | Fi                                  |                                    |                        |                         |                         |                            |
|                                      |   |                                |                                |                                     |                                    |                        |                         |                         |                            |
| 3                                    | L<br>0-7%                                       | 0-20                           | SL Gr                          | VFr NEX                             |                                    |                        |                         |                         | .4                         |
|                                      |   | 20-36                          | SC sbk                         | Fi SEX                              |                                    |                        |                         |                         |                            |
|                                      |   |                                |                                |                                     |                                    |                        |                         |                         |                            |
| 4                                    |   |                                |                                |                                     |                                    |                        |                         |                         |                            |
|                                      |   |                                |                                |                                     |                                    |                        |                         |                         |                            |
|                                      |   |                                |                                |                                     |                                    |                        |                         |                         |                            |
|                                      |   |                                |                                |                                     |                                    |                        |                         |                         |                            |

| DESCRIPTION             | INITIAL SYSTEM | REPAIR SYSTEM | OTHER FACTORS (.1946):                 |
|-------------------------|----------------|---------------|--|
| Available Space (.1945) | OK             | OK            | SITE CLASSIFICATION (.1948): <u>PS</u> |
| System Type(s)          | CONV.          | CONV.         | EVALUATED BY: <u>Jeff Eudy</u>         |
| Site LTAR               | .4             | .3 to .4      | OTHER(S) PRESENT: _____                |

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

## LEGEND

*use the following standard abbreviations*

| LANDSCAPE POSITION | GROUP | SOIL<br>TEXTURE        | CONVENTIONAL<br>.1955 LTAR | LPP<br>.1957 LTAR | MINERALOGY/<br>CONSISTENCE  | STRUCTURE  |
|--------------------|-------|------------------------|----------------------------|-------------------|---|--|
| CC (Concave Slope) | I     | S (Sand)               | 1.2 - 0.8                  | 0.6 - 0.4         | NEXP (Non-expansive)<br>SEX <sup>o</sup> (Slightly Expansive)<br>EXP (Expansive)  | G (Single Grain)   |
| CV (Convex Slope)  |       | LS (Loamy Sand)        |                            |                   |   | M (Massive)  |
| D (Drainage Way)   | II    | SL (Sandy Loam)        | 0.8 - 0.6                  | 0.4 - 0.3         |   | CR (Crumb)   |
| DS (Debris Slump)  |       | L (Loam)               |                            |                   |   | GR (Granular)  |
| FP (Flood Plain)   |       |                        |                            |                   |   | SBK (Subangular Blocky)  |
| FS (Foot Slope)    | III   | SI (Silt)              | 0.6 - 0.3                  | 0.3 - 0.15        |   | ABK (Angular Blocky)   |
| H (Head Slope)     |       | SICL (Silty Clay Loam) |                            |                   |   | PL (Platy)   |
| L (Linear Slope)   |       | CL (Clay Loam)         |                            |                   |   | PR (Prismatic)   |
| N (Nose Slope)     |       | SCL (Sandy Clay Loam)  |                            |                   |   |  |
| R (Ridge)          |       | SLC (Silt Loam Clay)   |                            |                   |   |  |
| S (Shoulder Slope) | IV    | SC (Sandy Clay)        | 0.4 - 0.1                  | 0.2 - 0.05        | <p style="text-align: center;"><u>MOIST</u></p> VFR (Very Friable)<br>FR (Friable)<br>FI (Firm)<br>VFI (Very Firm v. Very Sticky)<br>EFI (Extremely Firm) | <p style="text-align: center;"><u>WET</u></p> NS (Non-sticky)<br>SS (Slightly Sticky)<br>S (Sticky)<br>VS (Very Sticky)<br>NP (Non-plastic)<br>SP (Slightly Plastic)<br>P (Plastic)<br>VP (Very Plastic) |
| T (Terrace)        |       | SIC (Silty Clay)       |                            |                   |   |  |
|                    |       | Clay                   |                            |                   |   |  |
|                    |       | O (Organic)            |                            |                   |   | None   |

**NOTES**

- HORIZON DEPTH**            In inches below natural soil surface
  - DEPTH OF FILL**            In inches from land surface
  - RESTRICTIVE HORIZON**    Thickness and depth from land surface
  - SAPROLITE**                 S(suitable) or U(unsuitable)
  - SOIL WETNESS**            Inches from land surface to free water or inches from land surface to soil colors with chroma 2 or less - record Munsell color chip designation
  - CLASSIFICATION**         S (Suitable), PS (Provisionally Suitable), or U (Unsuitable)
- Evaluation of saprolite shall be by pits.  
 Long-term Acceptance Rate (LTAR): gal/day/ft<sup>2</sup>

**Show profile locations and other site features (dimensions, reference or benchmark, and North).**

