

# SOIL/SITE EVALUATION

## for ON-SITE WASTEWATER SYSTEM

OWNER: Danny Norris APPLICANT: same  
ADDRESS: Box 1524 DUM NC APPLICATION DATE: 3/20/96 DATE EVALUATED: 3/26/96  
PROPOSED FACILITY: SFR PROPOSED DESIGN FLOW (.1949): 360 gpd PROPERTY SIZE: 15,000 sq ft  
LOCATION OF SITE: Bridlewood Subd. Lot 16 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><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                                        | 27%<br><br>LS                                   | 0-48                           | LS, 1, SG-GR                   | L, NS, NP, NEXP                     | —                                  | 48"+                   | —                       | —                       | S<br><br>1.0               |
|                                          |                                                 |                                |                                |                                     |                                    |                        |                         |                         |                            |
|                                          |                                                 |                                |                                |                                     |                                    |                        |                         |                         |                            |
|                                          |                                                 |                                |                                |                                     |                                    |                        |                         |                         |                            |
| 2                                        | 27%<br><br>LS                                   | 0-42                           | LS, 1, SG-GR                   | L, NS, NP, NEXP                     | —                                  | 48"+                   | —                       | —                       | S<br><br>.8                |
|                                          |                                                 | 42-48                          | SL, 1, SG-GR                   | L-VFR, NS, NP, NEXP                 |                                    |                        |                         |                         |                            |
|                                          |                                                 |                                |                                |                                     |                                    |                        |                         |                         |                            |
|                                          |                                                 |                                |                                |                                     |                                    |                        |                         |                         |                            |
| 3                                        | 27%<br><br>LS                                   | 0-42                           | LS, 1, SG-GR                   | L, NS, NP, NEXP                     | —                                  | 48"+                   | —                       | —                       | S<br><br>.7                |
|                                          |                                                 | 42-48                          | SL, 1, SG-GR                   | L-VFR, NS, NP, NEXP                 |                                    |                        |                         |                         |                            |
|                                          |                                                 |                                |                                |                                     |                                    |                        |                         |                         |                            |
|                                          |                                                 |                                |                                |                                     |                                    |                        |                         |                         |                            |
| 4                                        | 27%<br><br>LS                                   | 0-36                           | LS, 1, SG-GR                   | L, NS, NP, NEXP                     | —                                  | 48"+                   | —                       | —                       | PS<br><br>.6               |
|                                          |                                                 | 36-42                          | SL, 1, SG-GR                   | L-VFR, NS, NP, NEXP                 |                                    |                        |                         |                         |                            |
|                                          |                                                 | 42-48                          | SCL, 1, GR-SBK                 | VFR, SS, SP, SEXP                   |                                    |                        |                         |                         |                            |
|                                          |                                                 |                                |                                |                                     |                                    |                        |                         |                         |                            |

| DESCRIPTION             | INITIAL SYSTEM | REPAIR SYSTEM | OTHER FACTORS (.1946):                 |
|-------------------------|----------------|---------------|----------------------------------------|
| Available Space (.1945) | 900 sq ft      | 900 sq ft     | SITE CLASSIFICATION (.1948): <u>PS</u> |
| System Type(s)          | chamber        | chamber       | EVALUATED BY: <u>Peter A. Burke</u>    |
| Site LTAR               | .6             | .6            | OTHER(S) PRESENT: <u>    </u>          |

# LEGEND

use the following standard abbreviations

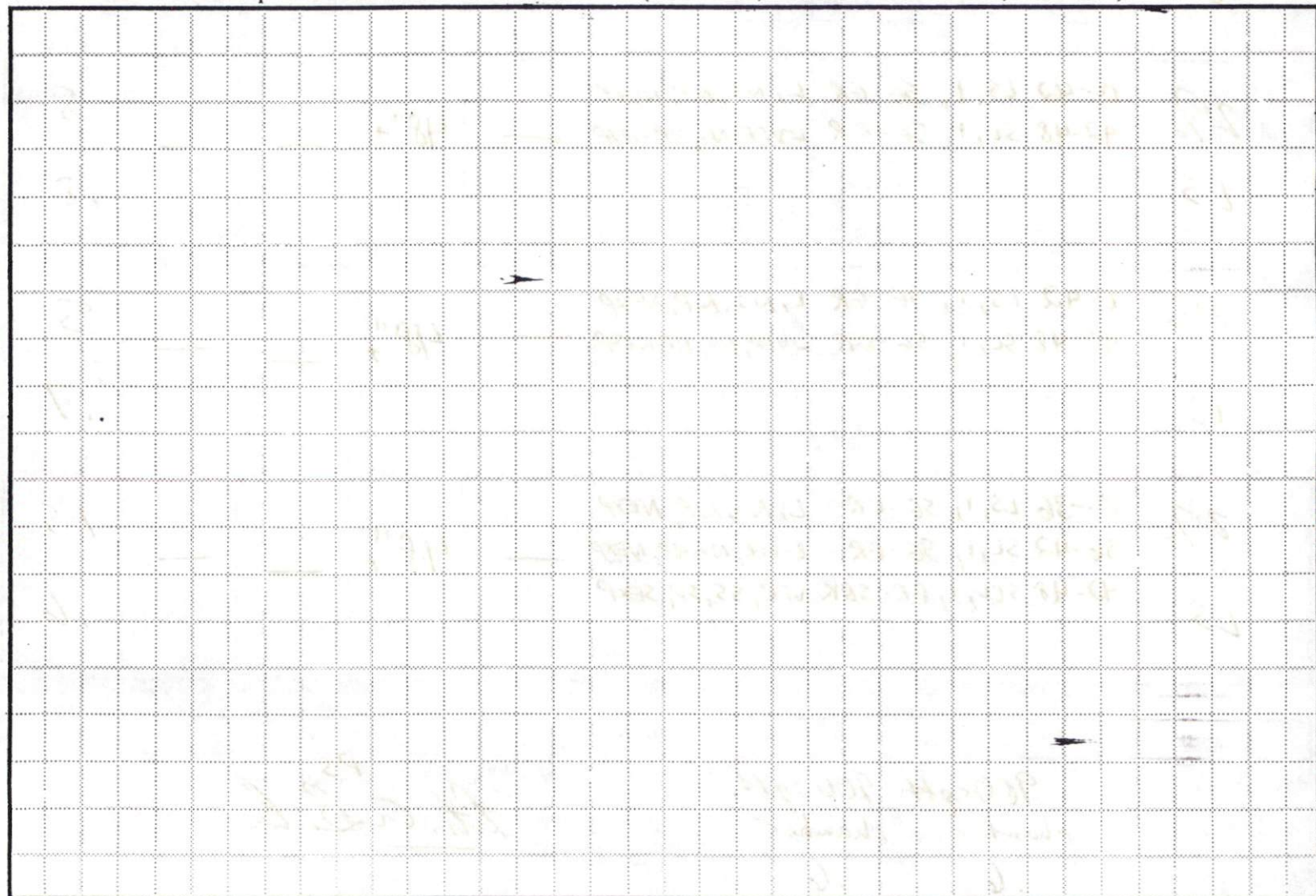
| <u>LANDSCAPE POSITION</u> | <u>GROUP</u> | <u>SOIL<br/>TEXTURE</u> | <u>CONVENTIONAL<br/>.1955 LTAR</u> | <u>LPP<br/>.1957 LTAR</u>      | <u>MINERALOGY/<br/>CONSISTENCE</u>    | <u>STRUCTURE</u>        |
|---------------------------|--------------|-------------------------|------------------------------------|--------------------------------|---------------------------------------|-------------------------|
| CC (Concave Slope)        | I            | S (Sand)                | 1.2 - 0.8                          | 0.6 - 0.4                      | NEXP (Non-expansive)                  | G (Single Grain)        |
| CV (Convex Slope)         |              | LS (Loamy Sand)         |                                    |                                | SEX <sup>7</sup> (Slightly Expansive) | M (Massive)             |
| D (Drainage Way)          | II           | SL (Sandy Loam)         | 0.8 - 0.6                          | 0.4 - 0.3                      | EXP (Expansive)                       | CR (Crumb)              |
| DS (Debris Slump)         |              | L (Loam)                |                                    |                                | GR (Granular)                         |                         |
| FP (Flood Plain)          | III          | SI (Silt)               | 0.6 - 0.3                          | 0.3 - 0.15                     |                                       | SBK (Subangular Blocky) |
| FS (Foot Slope)           |              | SICL (Silty Clay Loam)  |                                    |                                | ABK (Angular Blocky)                  |                         |
| H (Head Slope)            |              | CL (Clay Loam)          |                                    |                                | PL (Platy)                            |                         |
| L (Linear Slope)          |              | SCL (Sandy Clay Loam)   |                                    |                                | PR (Prismatic)                        |                         |
| N (Nose Slope)            |              | SLC (Silt Loam Clay)    |                                    |                                |                                       |                         |
| R (Ridge)                 | IV           | SC (Sandy Clay)         | 0.4 - 0.1                          | 0.2 - 0.05                     | <u>MOIST</u>                          | <u>WET</u>              |
| S (Shoulder Slope)        |              | SIC (Silty Clay)        |                                    |                                | VFR (Very Friable)                    | NS (Non-sticky)         |
| T (Terrace)               |              | Clay                    | FR (Friable)                       | SS (Slightly Sticky)           |                                       |                         |
|                           |              | O (Organic)             | FI (Firm)                          | S (Sticky)                     |                                       |                         |
|                           |              |                         | None                               | VFI (Very Firm v. Very Sticky) | VS (Very Sticky)                      |                         |
|                           |              |                         | EFI (Extremely Firm)               | NP (Non-plastic)               |                                       |                         |
|                           |              |                         |                                    | SP (Slightly Plastic)          |                                       |                         |
|                           |              |                         |                                    | P (Plastic)                    |                                       |                         |
|                           |              |                         |                                    | VP (Very Plastic)              |                                       |                         |

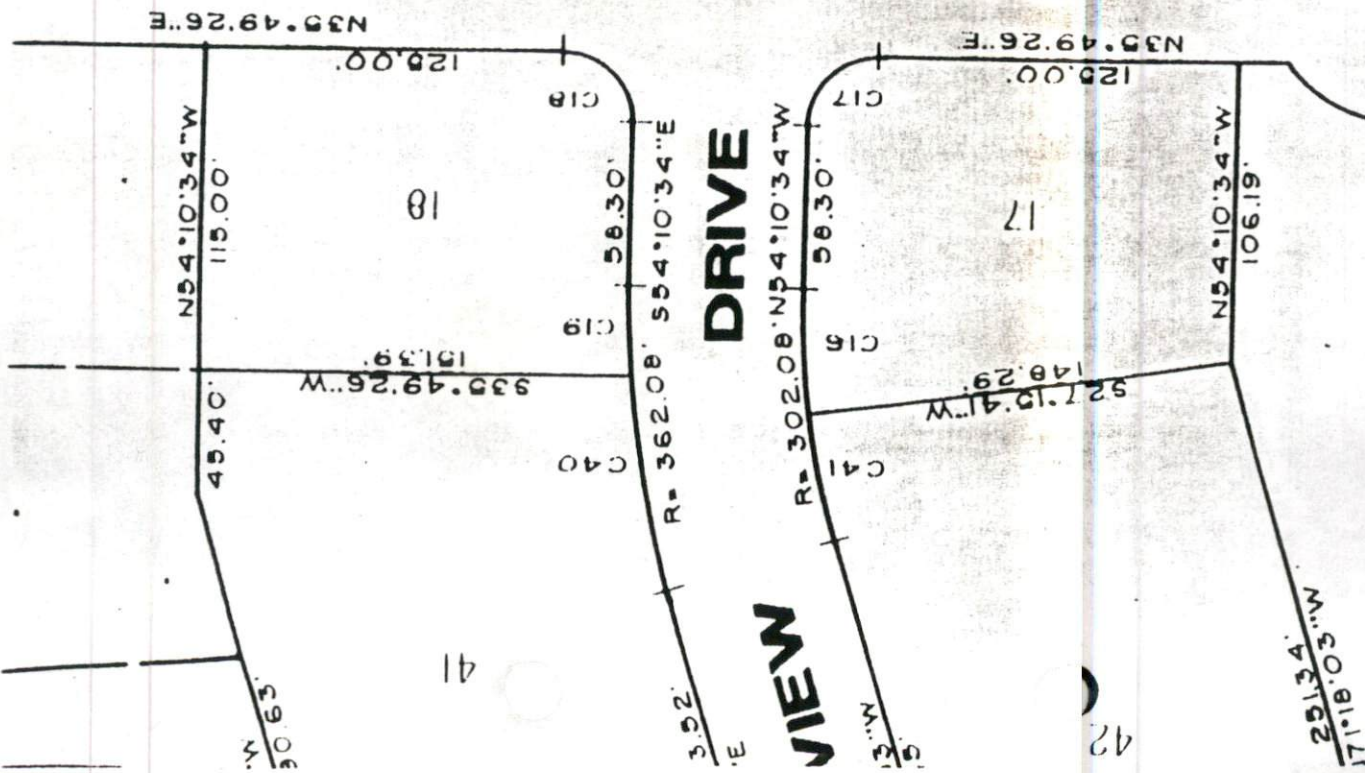
NOTES

## NOTES

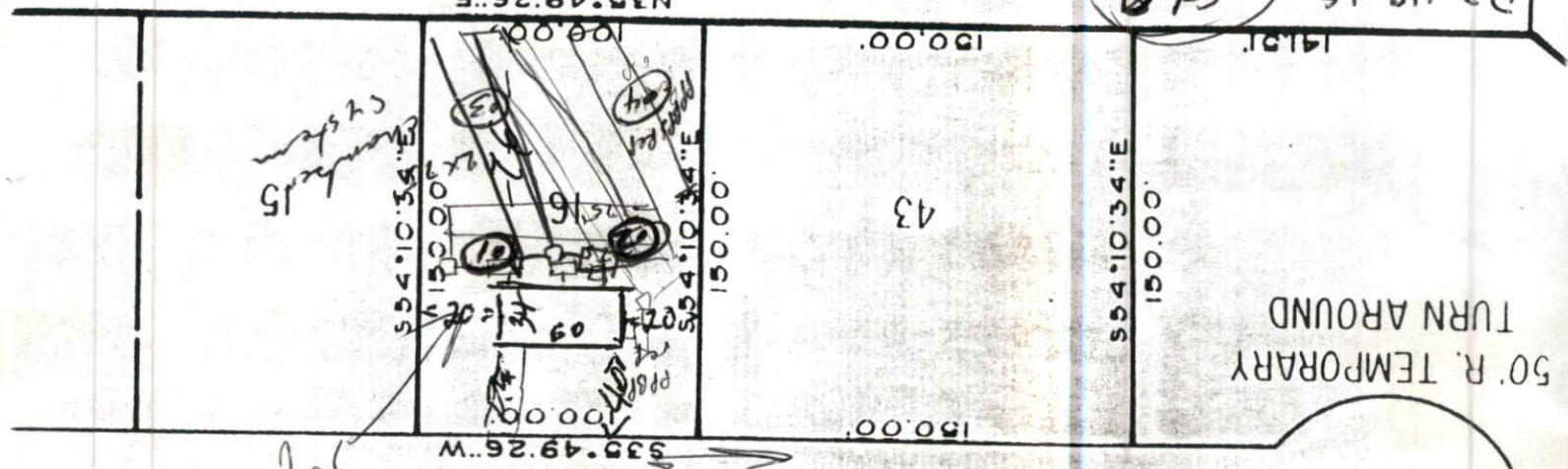
|                                                           |                                                                                                                                                 |
|-----------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------|
| 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).





# OAKWATER DRIVE



3BR house  
6 LTR  
200 ft. conv  
150 ft. chamber

# DAVID SAWYER

CITY OF ALABAMA  
DISTRICT 11  
USE SFD (34X60)  
# Bedrooms 3  
Date 3-19-96  
Zoning Administrator

- 1) 0-48 LS 51.0
- 2) 0-42 LS 5.8
- 3) 0-42 LS 5.8
- 4) 0-36 LS 15.6

42-48 SL  
36-42 SL

150 ft. house