

ON-SITE WASTEWATER SECTION

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

OWNER: Cameron's Ridge L.L.C. APPLICATION DATE \_\_\_\_\_  
 ADDRESS: 121 Notquyta Road, Murphy, NC 28906 DATE EVALUATED: 10/03/06  
 PROPOSED FACILITY: dwl - 3 br PROPOSED DESIGN FLOW (.1949): 360 g/d PROPERTY SIZE: 0.91 ac  
 LOCATION OF SITE: Lot 13, Cameron's Ridge 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>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 | .1956<br>SAPRO<br>CLASS | .1944<br>RESTR<br>HORIZ |                            |
| 1  | CV<br>26%<br>GPS<br>N 35.11069<br>W 84.23789 | A1 0-3"                   | 1FGR - L                       | NEXP-MVFR                           | 10YR 3/2                           | >75"                   | None                    | None                    | 0.8 - 0.6                  |
|  |  | A2 3-13"                  | 1FGR - L                       | NEXP-MVFR                           | 10YR 4/4                           |                        |                         |                         | 0.8 - 0.6                  |
|  |  | Bt1 13-58"                | 2FSBK - CL                     | NEXP-MFR                            | 2.5YR 3/6                          |                        |                         |                         | 0.6 - 0.3                  |
|  |  | B&C 58-75"                | 2MSBK - CL                     | NEXP-MFI                            | 2.5YR5/4&2.5Y5/4                   |                        |                         |                         | 0.6 - 0.3                  |
| 2  | CV<br>27%<br>GPS<br>N 35.11075<br>W 84.23786 | A1 0-2"                   | 1FGR - SL                      | NEXP-MVFR                           | 10YR 3/3                           | >75"                   | None                    | None                    | 0.8 - 0.6                  |
|  |  | A2 2-12"                  | 1FGR - SL                      | NEXP-MVFR                           | 10YR 4/4                           |                        |                         |                         | 0.8 - 0.6                  |
|  |  | Bt1 12-30"                | 1FSBK - CL                     | NEXP-MFR                            | 5YR 4/6                            |                        |                         |                         | 0.6 - 0.3                  |
|  |  | Bt2 30-61"                | 2FSBK - CL                     | NEXP-MFR                            | 2.5YR 3/4,3/6                      |                        |                         |                         | 0.6 - 0.3                  |
|  |  | B&C 61-75"                | 2MSBK - L                      | NEXP-MFI                            | 5YR3/6&2.5Y5/4                     |                        |                         |                         | 0.8 - 0.6                  |
| 3  | CV<br>27%<br>GPS<br>N 35.11079<br>W 84.23786 | A1 0-3"                   | 1FGR - L                       | NEXP-MVFR                           | 10YR 3/2                           | >75"                   | None                    | None                    | 0.8 - 0.6                  |
|  |  | A2 3-13"                  | 2FGR - L                       | NEXP-MVFR                           | 10YR 4/3                           |                        |                         |                         | 0.8 - 0.6                  |
|  |  | Bt1 13-36"                | 2FSBK - CL                     | NEXP-MFR                            | 5YR 4/4                            |                        |                         |                         | 0.6 - 0.3                  |
|  |  | Bt2 36-64"                | 2FSBK - CL                     | NEXP-MFR                            | 2.5YR3/4, 3/6                      |                        |                         |                         | 0.6 - 0.3                  |
|  |  | B&C 64-75"                | 2MSBK - L, SL                  | NEXP-MFI                            | 2.5YR4/6&10YR4/3                   |                        |                         |                         | 0.8 - 0.6                  |
| 4  |  |                           |                                |                                     |                                    |                        |                         |                         |                            |
|  |  |                           |                                |                                     |                                    |                        |                         |                         |                            |
|  |  |                           |                                |                                     |                                    |                        |                         |                         |                            |
|  |  |                           |                                |                                     |                                    |                        |                         |                         |                            |

|                         |                   |                   |   |
|-------------------------|-------------------|-------------------|---|
| DESCRIPTION             | INITIAL SYSTEM    | REPAIR SYSTEM     | OTHER FACTORS (.1946): <u>NONE</u><br>SITE CLASSIFICATION (.1948): <u>Suitable</u><br>EVALUATED BY: <u>Arville Touchet</u><br>OTHER(S) PRESENT: _____<br>Soil Taxonomy: <u>Fine-loamy, mixed, subactive, mesic Typic Paleudults</u> |
| Available Space (.1945) | <u>Sufficient</u> | <u>Sufficient</u> |   |
| System Type(s)          |                   |                   |   |
| Site LTAR               | <u>0.6 - 0.3</u>  | <u>0.6 - 0.3</u>  |   |

COMMENTS: Top soil has channers.  
Subsoils have thin discontinuous highly weathered stone lines.