DEPARTMENT OF HEALTH AND HUMAN SERVICES Page \_1\_ of \_\_\_\_

DIVISION OF PUBLIC HEALTH, ENVIRONMENTAL HEALTH SECTION PROPERTY ID #: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

ON-SITE WATER PROTECTION BRANCH COUNTY: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

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

(Complete all fields in full)

OWNER: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ DATE EVALUATED: \_\_\_\_\_\_\_\_\_\_\_\_\_

ADDRESS: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

PROPOSED FACILITY: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ PROPOSED DESIGN FLOW (.0400): \_\_\_\_\_\_\_\_\_\_\_\_ PROPERTY SIZE: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

LOCATION OF SITE: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ PROPERTY RECORDED: \_\_\_\_\_\_\_\_\_\_\_\_

WATER SUPPLY:  Public  Single Family Well  Shared Well  Spring  Other \_\_\_\_\_\_\_\_\_\_ WATER SUPPLY SETBACK:\_\_\_\_\_\_\_\_\_

EVALUATION METHOD:  Auger Boring  Pit  Cut TYPE OF WASTEWATER:  Domestic  High Strength  IPWW

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| **P**  **R**  **O**  **F**  **I**  **L**  **E**  **#** | **.0502 LANDSCAPE**  **POSITION/**  **SLOPE %** | **HORIZON**  **DEPTH**  **(IN.)** | **SOIL MORPHOLOGY** | | **OTHER PROFILE FACTORS** | | | | **.0509**  **PROFILE**  **CLASS**  **& LTAR\*** | **.0502(d)**  **SLOPE CORRECTION** |
| **.0503**  **STRUCTURE/**  **TEXTURE** | **.0503**  **CONSISTENCE/**  **MINERALOGY** | **.0504**  **SOIL**  **WETNESS/**  **COLOR** | **.0505**  **SOIL**  **DEPTH** | **.0506**  **SAPRO**  **CLASS** | **.0507**  **RESTR**  **HORIZ** |
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| DESCRIPTION | INITIAL SYSTEM | REPAIR SYSTEM | SITE CLASSIFICATION (.0509): \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_  EVALUATED BY: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_  OTHER(S) PRESENT: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ |
| Available Space (.0508) |  |  |
| System Type(s) |  |  |
| Site LTAR |  |  |
| Maximum Trench Depth |  |  |

Comments: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

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**LEGEND**

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| **LANDSCAPE POSITION** | **SOIL GROUP** | **SOIL TEXTURE** | **CONVENTIONAL LTAR (gpd/ft2)** | **SAPROLITE LTAR (gpd/ft2)** | **LPP LTAR (gpd/ft2)** | **MINERALOGY/**  **CONSISTENCE** | | **STRUCTURE** |
| CC (Concave slope) | **I** | S (Sand) | 0.8 - 1.2 | 0.6 - 0.8 | 0.4 -0.6 | **MOIST** | **WET** | SG (Single grain) |
| CV (Convex Slope) | LS  (Loamy sand) | 0.5 -0.7 | Lo  (Loose) | NS  (Non-sticky) | M  (Massive) |
| D (Drainage way) | **II** | SL  (Sandy loam) | 0.6 - 0.8 | 0.4 -0.6 | 0.3 - 0.4 | VFR  (Very friable) | SS  (Slightly sticky) | GR  (Granular) |
| FP (Flood plain) | L  (Loam) | 0.2 - 0.4 | FR  (Friable) | S  (Sticky) | SBK  (Subangular blocky) |
| FS (Foot slope) | **III** | SiL  (Silt loam) | 0.3 - 0.6 | 0.1 - 0.3 | 0.15 - 0.3 | FI  (Firm) | VS  (Very sticky) | ABK  (Angular blocky) |
| H (Head slope) | SCL  (Sandy clay loam) | 0.05 - 0.15\*\* | VFI  (Very firm) | NP  (Non-plastic) | PR (Prismatic) |
| L (Linear Slope) | CL (Clay loam) | None | EFI  (Extremely firm) | SP  (Slightly plastic) | PL (Platy) |
| N (Nose slope) | SiCL  (Silty clay loam) |  | P  (Plastic) |  |
| R (Ridge/summit) | Si (Silt) | VP  (Very plastic) |  |
| S (Shoulder slope) | **IV** | SC (Sandy clay) | 0.1 - 0.4 | 0.05 - 0.2 | SEXP (Slightly expansive) | |  |
| T (Terrace) | SiC (Silty clay) | EXP (Expansive) | |  |
| TS (Toe Slope) | C (Clay) |  |  |  |
|  | | O (Organic) | None |  |  |  |  |  |

\* Adjust LTAR due to depth, consistence, structure, soil wetness, landscape, position, wastewater flow and quality.

\*\*Sandy clay loam saprolite can only be used with advanced pretreatment in accordance with 15A NCAC 18E .1200.

*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); Evaluation of saprolite shall be by pits.

*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) or U (Unsuitable)

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

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**SOIL/SITE EVALUATION** Page \_\_\_\_ of \_\_\_\_

*(Continuation Sheet-Complete all field in full)*

DEPARTMENT OF HEALTH AND HUMAN SERVICES PROPERTY ID #: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

DIVISION OF PUBLIC HEALTH DATE OF EVALUATION: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

ENVIRONMENTAL HEALTH SECTION COUNTY: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

ON-SITE WATER PROTECTION BRANCH

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| **P**  **R**  **O**  **F**  **I**  **L**  **E**  **#** | **.0502**  **LANDSCAPE**  **POSITION/**  **SLOPE %** | **HORIZON**  **DEPTH**  **(IN.)** | **SOIL MORPHOLOGY** | | **OTHER PROFILE FACTORS** | | | | **.0509**  **PROFILE**  **CLASS**  **& LTAR\*** | **.0502(d)**  **SLOPE CORRECTION** |
| **.0503**  **STRUCTURE/**  **TEXTURE** | **.0503**  **CONSISTENCE/**  **MINERALOGY** | **.0504**  **SOIL**  **WETNESS/**  **COLOR** | **.0505**  **SOIL**  **DEPTH** | **.0506**  **SAPRO**  **CLASS** | **.0507**  **RESTR**  **HORIZ** |
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COMMENTS:\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_