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:\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_