

Date: \_\_\_\_\_

### SITE EVALUATION

**ALL BLANKS MUST BE FILLED IN AND WHERE APPLICABLE, APPROPRIATE ITEMS CIRCLED. IF THE ITEM IS NOT APPLICABLE, WRITE "N/A" IN THE BLANK.**

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

Subdivision: \_\_\_\_\_ (plat attached) Section: \_\_\_\_ Lot: \_\_\_\_ Block.: \_\_\_\_

Survey: \_\_\_\_\_ (Copy Attached) Abstract: \_\_\_\_\_

Property Size: \_\_\_\_\_ Acres: \_\_\_\_\_

Existing/ Proposed (circle one) Structure to be served: \_\_\_\_\_

### TOPOGRAPHY

**SLOPE:**

Flat (under 2%): \_\_\_\_\_ Slight (Under 6%): \_\_\_\_\_ Severe (Over 30%): \_\_\_\_\_

**VEGETATION:**

Grass/ Brush: \_\_\_\_\_ Lightly Wooded: \_\_\_\_\_ Heavily Wooded: \_\_\_\_\_

SITE DRAINAGE: Poor [ ] Adequate [ ] Good [ ] Other [ ]

**NOTE:** If slope is severe, a topography survey with half-foot contours must be provided with this form on the design. If site drainage is poor or the slope is flat, then a detailed drainage plan must be provided on the design if a subsurface disposal system is proposed.

### FLOOD HAZARD

PROPERTY IS LOCATED: Outside 100-Year Flood Plain [ ]  
In 100-Year Flood Plain [ ]  
In 100-Year Flood Plain and Flood Way [ ]

**NOTE:** Attach a to scale portion of the FEMA Flood Insurance Rate Map (FIRM) with the extents of the construction site drawn to scale or a property survey with the current Flood Plain Determination.

### WATER SUPPLY

WATER SUPPLY IS: PUBLIC [ ] COMMUNITY [ ] PRIVATE [ ]

If supply is Public or Community, provide the name of the water supplier: \_\_\_\_\_

**NOTE:** If the water supply is a completed well on site, provide the following well information:

Size of Well Casing: \_\_\_\_\_ Year Drilled: \_\_\_\_\_ Driller: \_\_\_\_\_

Depth of Well: \_\_\_\_\_ (feet) Cementing Depth: \_\_\_\_\_

Sealing Block Present: YES NO

Well House Protecting Well: YES NO

Is a Well Log (Drilling Report) available (Attach Copy if Available) YES NO

Are the Neighboring Wells within 100 feet of the property (If yes, they must be shown on the design.) YES NO

### OTHER SET BACKS

Neighboring Wells Within 100 Feet of Property Line YES NO

Streams, Ponds, or Lakes within 75 feet of Property Line YES NO

Sharp Slopes, Breaks or Dry Ditches YES NO

**NOTE:** If any of these exist or are proposed they must be shown on the design site plan.



Site Address: \_\_\_\_\_ Date: \_\_\_\_\_

### EFFLUENT LOADING DETERMINATION

SOIL TEXTURE	SOIL CLASS	LONG TERM LOADING RATE
Course Sand, Gravel	Ia	>0.50 (Not Suitable for Standard Systems)
Sand, Loamy Sand	Ib	0.38
Sandy Loam, Loam	II	0.25
Sandy Clay Loam, Sandy Clay, Clay Loam, Silty Clay Loam, Silty Loam, Silt	III	0.20
Clay, Silty Clay	IV	0.1 (Not Suitable for Standard Systems)

**NOTE:** The site soil condition must be evaluated to a minimum of two feet (2') below the application area disposal depth or to a restrictive horizon whichever is shallower.

**Indication of Seasonal Water Table:** YES [ ] NO [ ]

Depth: \_\_\_\_\_

**Is Soil Suitable for a Standard System:** YES [ ] NO [ ]

Application Rate: \_\_\_\_\_

**NOTE:** If soil has an application rate of over 0.38 g/sqft/d or less than 0.10 g/sq ft/d or a high seasonal water table then standard systems are prohibited by State Law.

I \_\_\_\_\_, a registered site evaluator/ professional engineer (circle one) did personally conduct the site evaluation on \_\_\_\_\_ Date \_\_\_\_\_.

I certify these results are true and correct for the property evaluated.

\_\_\_\_\_  
Date Signature

Site Evaluator License Number: \_\_\_\_\_

SEAL

# ON-SITE WASTEWATER SYSTEM CHECKLIST

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

The following information must be included with the design package for review by the Liberty County Engineering and Permitting Department. Failure to include or address all of the following items may result in approval delays.

\_\_\_\_\_ 1. Plans and reports must bear a signed and dated seal of responsible Registered Engineer or Sanitarian. The address and the telephone number of this person must also be included in the submittal.

\_\_\_\_\_ 2. A report must be included in the submittal containing the following information;

- \_\_\_\_\_ A. Basis of design;
- \_\_\_\_\_ B. Site Evaluation and Soil analysis results; done by registered site evaluator
- \_\_\_\_\_ C. System flow diagram(s) and sizing calculations;
- \_\_\_\_\_ D. Material specifications;
- \_\_\_\_\_ E. Size and model number of approved aerobic system (if used); and
- \_\_\_\_\_ F. Flood Plain Status.

\_\_\_\_\_ 3. Construction drawing must include the following information:

- \_\_\_\_\_ A. A scaled, legible site plan with boundary description;
- \_\_\_\_\_ B. A copy of the property survey or metes and bounds description must be included if not in a recorded subdivision;
- \_\_\_\_\_ C. The location of all buildings and surface improvements (existing or proposed) on the site plan;
- \_\_\_\_\_ D. The location of the wastewater treatment system tanks and disposal area; including expansion area (for subsurface disposal systems only);
- \_\_\_\_\_ E. Buffer zones, water wells, and setbacks must be identified and located on the site plan;
- \_\_\_\_\_ F. The site plan must also include topographical contours and slopes greater than 15 percent;
- \_\_\_\_\_ G. Easements and bodies of water (lakes, streams, ponds) must also be identified; and
- \_\_\_\_\_ H. Installation details such as septic tank configuration, layouts and cross-sections of drain fields and disposal beds, irrigation systems, pump stations (including controls and settings) must be included.

\_\_\_\_\_  
Date

\_\_\_\_\_  
Signature of Designer

\_\_\_\_\_  
Phone Number

\_\_\_\_\_  
Address

## ON-SITE WASTEWATER SYSTEM GENERAL NOTES

1. An on-site sewage facility permit must be obtained from Liberty County prior to installing this wastewater disposal system.
2. System installation must be by a registered installer of on-site sewage facilities as required by Article 4477-7E of Vernon's Civil Statutes. No component of this system shall be covered up without Liberty County's written approval.
3. If any discrepancies exist between the approved design and the actual field conditions, it is the installers responsibility to immediately notify the designer and Liberty County prior to start of any work and submit and receive approval of any necessary changes in the proposed construction.
4. All construction methods and materials must be in accordance with County and State rules and policies unless specifically noted on this drawing and approved by Liberty County.
5. The site shall be carefully finish graded after completion of system installation to provide positive storm water runoff. Absorption area shall be crowned. Drainage swales shall be constructed to adequately convey storm water away from the absorption area.
6. All inspections must be passed and a Notice of Approval must be issued by Liberty County before this on-site sewage facility can be used.
7. This system, if installed and operated in accordance with this plan should not present a hazard to public health or threaten proposed or adjacent water wells.