SITE CLASSIFICATION TABLE

**** indicates additional information**

LANDSCAPE POSITION	**1**	**U**	System is located in a area that frequently floods
	2		System is located in a surface depression

TOPOGRAPHY	**3**	**S**	0-15% slope**
	4	**PS**	15-30% slope**
	5	**U**	Field is located on a complex slope
	6		Field is located on slopes greater than 30%**

TEXTURE	**7**	**S**	Group I soils with < 35% rock fragments
	8		Group II soils with < 35% rock fragments
	9		Group V soils with 35-50% rock fragments **AND** when fine earth fractions contain < 35% high shrink-swell clay**
	10	**PS**	Group III soils with < 35% rock fragments
	11		Group IVa soils with < 35% rock fragments
	12		Group V soils with > 50% rock fragments **AND** no severe geologic limitations**
	13	**U**	Group IVb soils**
	14		Group V soils with 35-50% rock fragments **AND** when fine earth fractions contain ≥ 35% high shrink-swell clay
	15		Group V soils with > 50% rock fragments **AND** severe geologic limitations **(See#10)**
	16		Any cherty clay soils with severe geologic limitiations

STRUCTURE	**17**	**S**	Granular
	18	**PS**	Blocky**
	19		Columnar**
	20		Prismatic**
	21	**U**	Massive
	22		Platy

DRAINAGE	**23**	**S**	> 48" to a watertable
	24	**PS**	24-48" to a watertable**
	25	**U**	< 24" to a watertable**

THICKNESS	**26**	**S**	> 48" depth to bedrock
	27	**PS**	36-48" depth to bedrock
	28	**U**	< 36" depth to bedrock**

RESTRICTIVE HORIZON	**29**	**S**	> 48" to restrictive horizon
	30	**PS**	24-48" to restrictive horizon**
	31	**U**	< 24" to restrictive horizon

ADDITIONAL INFORMATION

	19 CSR 20-3.060:	Requirements / *Recommendations*
1	(7)(E)4	
2	(7)(E)5	Except when specifically approved by the local authority
3	(7)(E)	A) If < 2%, insure adequate surface drainage. B) If > 4%, absorption lines must follow contours
4	(7)(E)1	If soils are a minimum of 36 inches deep.
	(5)(A)11	*Should have 36 inches of soil below trench.* *May require installation of interceptor drains.* *Treatment area larger than minimum needed.*
5	(7)(5)3	
6	(7)(E)2 (PS if)	A) Terracing or placement mantains 10 feet between trench and top of fill emabankment. B) 1 foot of **S** or **PS** soil directly below trench. C) Surface water is diverted. D) Groundwater flow is intercepted if needed. E) There is sufficient area available.)
7	(7)(E)1	*Favorable application rates, but low filtering capacity. May need higher pretreatment.*
8	(7)(F)1A	
9	(7)(F)1E / (6)C Table 7	*In areas of severe geologic limitiations,should use a max application rate of 0.2 gpd/ft2.*
10	(7)(F)1C	*Should only be dug when moist or dry.*
11	(7)(F)1D	*Should only be dug when moist or dry.*
12	(7)(F)1E	
13	(7)(F)1D	
	(6)(H)3	*Drip soil absorption systems may be allowed with a maximum application rate of 0.10gpd/ft2*
14	(7)(F)1E	
15	(7)(F)1E	
16	(5)(A)4	Shall have < 50% rock fragments and have a minimum of 4 feet vertical separation between the trench bottom and bedrock. Unlined absorption trenches shall not be installed when the field evaluation indicates the presence of large voids. Sand-lined trenches may be used with approval, where the percentage of bedrock is < 70% a minimum of 4 feet below the trench bottom. *Should be designed with a maximim application rate of 0.45 gpd/ft* ^{2}
17	(7)(F)3	
18	(7)(F)3B	*Should only be dug when moist of dry.*
19		*Should only be dug when moist of dry.*
20		*Should only be dug when moist of dry.*
21	(7)(F)3B	
22	(7)(F)3C	
23	(7)(G)	
24	(7)(G)	If there is at least 1 foot of soil between the trech bottom and a water table.
25	(7)(G)	May be reclassified as **PS** if drainage system maintains a 1 foot vertical separation.
26	(7)(H)	
27	(7)(H)	
28	(7)(H)	May be reclassified as **PS** if there is 2 feet of **S** or **PS** soil below trench bottom.
29	(7)(I)	
30	(7)(I)	
	(5)(B)1	Shallow trenches shall provide a minimum of 2 feet of **S or PS** soil separation between the trench bottom and a water table.
31	(7)(I)	