<table>
<thead>
<tr>
<th>LIMITATION</th>
<th>S– PS – U *</th>
<th>REQUIREMENTS/ RECOMMENDATIONS</th>
</tr>
</thead>
</table>
| **1** Topography – Slope 0% - 15% | (7)(E) – S | **A** If <2% insure adequate surface drainage.  
**B** If >4% absorption lines must follow contours. |
| **2** Slope 15%-30% | (7)(E)1 – PS | If soils are 36 inches thick or more.  
Should have 36 inches soil below trench.  
May require installation of interceptor drains.  
Areas larger than minimum are ordinarily required. |
| **3** Slope > 30% | (7)(E)2 – U (PS) | (If A Terracing or placement maintains 10 feet between trench and top of fill embankment.  
B 1 foot of S or PS soil below trench.  
C Surface water is diverted.  
D Groundwater flow is intercepted if needed.  
E There is sufficient area available.) |
| **4** Complex slope | (7)(E)3 – U | |
| **5** Landscape Position – Subject to frequent flooding | (7)(E)4 – U | Except when specifically approved by the authority. |
| **6** Depressions | (7)(E)5 – U | |
| **7** Texture – Group III & IVa soils | (7)(F)1C & D – PS | Should only be dug when moist or dry (See # 11) |
| **8** Group IVb soils | (7)(F)1D – U | Drip soil absorption systems may be allowed at sites where the soil is classified as being in group IVb with a maximum loading rate of 0.05 to 0.10 gpd/sq. ft. |
| **9** Group V soils 35% - 50% rock | (7)(F)1E – S (U) | (When the fine earth fraction contains ≥35% high shrink/swell clays, consider U group IVb soils.) |
| **10** > 50% rock | (7)(F)1E – U (PS) | (If geologic limitations are not severe.) ** Also, if shrink/swell is significant limitation, U – see 9 above.  
Cherty clay soils in areas of severe geologic limitations | |
| **11** Very gravelly soils of ≥35% gravel by volume | (6)(C)Table 7 | LPP system should be designed for maximum loading rate of 0.2 gpd/sq. ft. |
| **12** Structure – Blocky | (7)(E)3A – PS | Groups III & IV should only be dug when moist or dry |
| **13** Platy | (7)(F)3B – U | |
| **14** Massive | (7)(F)3C – U | |
| **15** Drainage – Water table >48” | (7)(G) – S | |
| **16** < 24” | (7)(G) – U | May be reclassified as PS, if drainage system design would maintain a 1’ minimum vertical separation. |
| **17** Thickness to rock >48” | (7)(H) – S | |
| **18** < 36” | (7)(H) – PS | |
| **19** < 36” | (7)(H) – U | May be reclassified as PS, if design provides at least 24” of naturally occurring soil below the trench bottom. |
| **20** Depth to Restrictive Horizon >48” | (7)(I) – S | |
| **21** < 24” | (7)(I) – PS | Shallow trenches shall provide a minimum of 2’ of natural soil separation between the trench bottom and a seasonally high or perched water table. |

* Classify characteristics as: **S** – Suitable, **PS** – Provisionally Suitable, **U** – Unsuitable  
** Locations with significant groundwater contamination potential should be investigated by a registered geologist for severe geological limitations.  
*** Sites classified as unsuitable may be used for a soil absorption system only if site modifications or engineering, hydrogeologic, and soils studies, indicate to the administrative authority that a system can be expected to function.
SITE CLASSIFICATION FLOW CHART

According to 19 CSR 20-3.060

S - Suitable for operation of a septic tank and conventional absorption system.
PS - Provisionally Suitable sites require modifications or special design, layout and installation for an absorption system to function satisfactorily.
U - An Unsuitable site may possibly be reclassified as Provisionally Suitable according to (7)(K) or (7)(L)

Refer to Site Classification Table for numbered notes.

* Locations with significant ground water contamination potential should be investigated by a registered geologist to determine if the site has severe geological limitations.

(Rev 12/27/04)