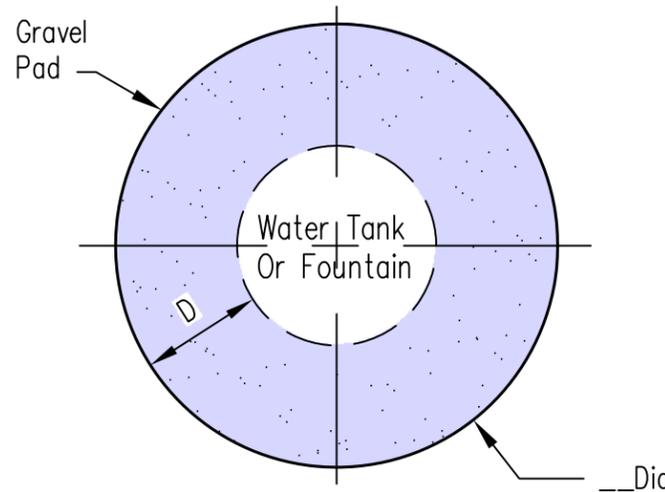


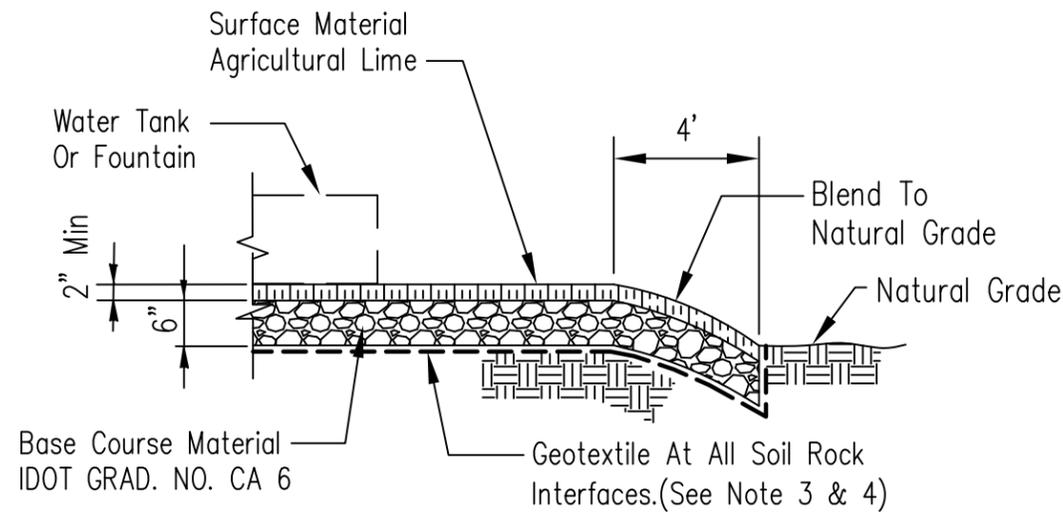
RECTANGULAR PAD



CIRCULAR PAD

NOTES:

1. The base course and surface aggregate materials shall be compacted with the track or tire of the equipment used for construction to ensure a smooth uniform foundation without depressions or irregularities.
2. Minimum distance "D" from water tank or fountain to edge of tank pad is 10 feet for cattle and 5 feet for smaller animals such as sheep or goats.
3. Geotextile (non-woven, needle punched) Minimum criteria:  
 Grab tensile strength (lb) ASTM D4632 \_\_\_\_\_ 202  
 Elongation at failure (%) ASTM D 4632 \_\_\_\_\_ ≥ 50  
 Trapezoidal tear strength (lb) ASTM D 4533 \_\_\_\_\_ 79  
 Puncture strength (lb) ASTM D 6241 \_\_\_\_\_ 433  
 Ultraviolet light (% retained strength) ASTM D 4355 \_\_\_ min 50  
 Apparent opening size (AOS) ASTM D 4751 \_\_\_\_\_  
 max 0.22 mm (US sieve size70)  
 Permittivity sec<sup>-1</sup> ASTM D 4491 \_\_\_\_\_ min 0.70
4. Any geotextile splices shall overlap a minimum of 18 inches.



GRAVEL PAD TYPICAL SECTION

IDOT = Illinois Department Of Transportation

| BILL OF MATERIALS                  |        |  |  |  |  |  |  |
|------------------------------------|--------|--|--|--|--|--|--|
| Tank                               |        |  |  |  |  |  |  |
| Pad Length L                       | Ft     |  |  |  |  |  |  |
| Pad Width W                        | Ft     |  |  |  |  |  |  |
| Circular Pad Diameter              | Ft     |  |  |  |  |  |  |
| Access Space D                     | Ft     |  |  |  |  |  |  |
| Surface Material Agricultural Lime | Tons   |  |  |  |  |  |  |
| Base Course IDOT CA 6              | Tons   |  |  |  |  |  |  |
| Geotextile                         | Sq.Yd. |  |  |  |  |  |  |

Date \_\_\_\_\_  
 Designed \_\_\_\_\_  
 Drawn M. QUINONES 11/1/15  
 Checked \_\_\_\_\_  
 Approved \_\_\_\_\_

GRAVEL TANK PAD  
 HEAVY USE AREA

United States Department of Agriculture  
**USDA**  
 Natural Resources Conservation Service

File No. IL-ENG-872  
 Drawing No. \_\_\_\_\_  
 Page 1 of 1  
 Sheet \_\_\_\_\_ of \_\_\_\_\_

|           |  |          |  |
|-----------|--|----------|--|
| Landowner |  | Location |  |
|-----------|--|----------|--|