Vault Toilet Excavation (by others)

INSTALLATION

A. Scope of Work

1. Work specified under this Section includes excavation, backfill and placement of precast concrete vault toilet.

B. Materials

1. Bedding material to be sand or 3/8" minus crushed or screened aggregate (provided by excavator).

2. Sealant between vault and toilet floor to be 1.5"x1.5" Butyl Rubber Sealant.(provided by Missoula Concrete)

C. Location and Access to the Site

1. The area must be free of overhead or underground obstructions.

2. Care must be taken to not place excavated material in the area where the crane must sit.

3. Verify that bridges/culverts enroute to the site are rated for HS-20 loading.

4. Deliveries may be delayed if road conditions are hazardous or unsuitable for normal trucks and trailers.

5. Trucks must be able to reach the site under their own power.

NOTE: It is the responsibility of the customer to locate the vault toilet in an area that provides safe and reasonable access for trucks and equipment.

D. Excavation and Elevation

1. Comply with all applicable OSHA Standards for excavation.

2. The "Aspen" Single vault toilet requires a hole that is: 8’ x 16’ x 4'-5" below finished grade

3. The MCC Double Vault toilet requires a hole that is: 14’ x 16’ x 5'-5" below finished grade

4. Double Vault Toilet with Chase requires a hole that is: 18’ x 16’ x 5'-5" below finished grade

5. Finish floor elevation will be 4-6 inches above natural grade measured at the front (entrance) of the exterior slab unless otherwise approved by the customer. The customer may specify a finish floor elevation for buildings at some sites. The contractor will install buildings at these sites with the floor elevation within ±0.05 feet of the specified floor elevation. It is very important that the installation provides drainage away from the structure. If the vault is set too low water will infiltrate the vault and cause serious issues.

E. Bedding and Compaction

Compacted with a minimum of two passes with a whacker-type mechanical compactor or equivalent approved by the customer.

1. Spread excess excavated material from the vault around structure. Intended final grade is flush with the top of the front slab. Allow for placement of topsoil to reach that grade. Grade backfill away from structure from structure at maximum slope of five (5) percent unless otherwise approved by the customer.

2. Spread stockpiled topsoil as final layer after rough grading is completed. Areas disturbed by excavation, backfilling and stockpiling of excavated materials will be handed raked to remove exposed rocks over one inch in maximum dimension. Oversized rocks removed from the surface shall be disposed of in a designated area within 200 feet of the site.

F. Finish Grading

1. Spread excess excavated material from the vault around structure. Intended final grade is flush with the top of the front slab. Allow for placement of topsoil to reach that grade. Grade backfill away from structure from structure at maximum slope of five (5) percent unless otherwise approved by the customer.

2. Spread stockpiled topsoil as final layer after rough grading is completed. Areas disturbed by excavation, backfilling and stockpiling of excavated materials will be handed raked to remove exposed rocks over one inch in maximum dimension. Oversized rocks removed from the surface shall be disposed of in a designated area within 200 feet of the site.