

PROBLEM:

The existing comfort stations in the tailwater area are deteriorated, unattractive, and do not meet the guidelines of the Americans with Disabilities Act (ADA).

LOCATION:

The work is located at Barren River Lake in Glasgow, Kentucky.

SCOPE OF WORK:

1. The new comfort station facilities are to be constructed in the tailwater area of Barren River Lake. The two new vault toilets shall be Romtec SST Original-Extended Floor Plan units.  
The site is adjacent to the tailwater parking lot. The work involves excavating for the Romtec vault toilets, install the tanks, backfill and place the concrete slabs as shown in sketch #3.  
The disturbed turf areas are to be seeded and strawed. The quantity and extent of the seeding will be determined during the scope validation meeting.
2. Excavate an area 20 feet X 20 feet X 8 inches deep to accommodate the slab on grade for the two Romtec SST Original - Extended Floor Plan toilets. The concrete surface of the toilet slab will be on the same plane as the parking lot to facilitate access by handicapped visitors. Excavate for two 750-gallon Romtec waste vaults as per the Romtec specifications. Haul approximately 22 tons of fill dirt to the designated dump area.  
Set the Romtec waste tanks per the manufacturer's recommendations and backfill with sand. Jet the backfill area with water to compact the sand and eliminate any voids. Place and compact approximately 7.5 tons of Ky. DGA 4-inches thick for the slab subgrade. Take care not to damage the holding tanks during the compaction process.  
Set the forms for the 4-inch thick concrete slab to provide a smooth transition to the asphalt parking lot. Allow for a ½ inch expansion joint with bituminous fiberboard between each Romtec toilet slab. Lay-in 10 X 10 welded wire mesh for the slab reinforcement. Place

approximately 5 yards of 4000psi concrete for the Romtec toilets. Trowel the surface smooth and apply a course broom finish.

3. Construct 2 ea. Romtec SST Original-Extended Floor Plan toilets at the construction site per the manufacturer's recommendations.

4. Demolish forms, remove all remaining construction debris and finish grade around construction sites. As a final step, the disturbed area is to be seeded and strawed as mentioned above.

5. Material (approximate quantities):

<u>Description</u>	<u>Quantity</u>
Stone	
Ky. Dense Grade Aggregate	7.5 tons
Sand	3 tons
Forms	
1 inch X 6 inch #2 Pine Sheathing	60 LF
Expansion Joint Material	
½ inch X 4" bituminous fiber board	20 LF
Concrete Reinforcement Wire	
10 X 10 welded wire mesh	400 SF
Concrete	
Concrete 4000 psi mix	5 YDS
Restroom Systems	
Romtec SST Original-Extended Floor Plan (750 Gallon Waste Vault)	2 ea.

SPECIAL REQUIREMENTS:

The work must be performed in compliance with EM385-1-1 Safety and Health Requirements Manual, Corps of Engineers.

Coordinate all work with Mr. Phil Bayes at Barron River Lake. Mr. Bayes can be reached at (270) 646-2055.