



Excavation:

- Excavation shall be prepared in accordance with federal, state and local regulations.
- All excavation shall be in accordance with safe construction practices.

Installation Recommendations:

- Prior to placing the precast concrete structure into the excavation, the contractor shall provide six (6) inches of base material or crushed stone at the bottom of the excavation. Gravel or compacted soil are acceptable base materials. The aggregate size should not exceed a $\frac{3}{4}$ " diameter. Also, placement of 6" wide grade boards running the length of both sides of system should be used in addition to rock.
- The base material shall be leveled and compacted to the proper elevation in conjunction with the inlet and outlet flow lines shown on project plans.
- Place the precast concrete structure in the excavated hole and check the elevation and levelness of the bottom of the tank and orientation of the outlets.
- The excavated hole needs to be 4' wider and 4' longer than the dimensions of the tanks to allow the workers access to bolt and seal tanks together on the job site.

Backfilling:

- Backfill as soon as practicable after structure has been placed.
- Backfill using granular material free of large stone, rocks, pavement, etc. Expensive soil materials shall not be used as backfill around the structure.
- When a precast concrete structure is placed in an unpaved area, slope the area around the entrance frame and cover to provide drainage away from the entrance cover.
- Backfilling shall be achieved by using lifts (layers) or flooding (jetting) the excavation to the required compaction.
- Restoration of the area where the precast concrete structure was installed shall meet the requirements of the local granting authority.
- Follow-up inspections for settlement are required. Should settlement occur, the contractor should be responsible for the necessary repair to restore the area to its original condition in accordance with the terms of the agreement.
- If backfilling by jetting, flooding, or compactor, a 72-hour cure time must be achieved on seal to prevent damage, and allow proper curing time for sealant.

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**BATTERY SYSTEM
MANUFACTURER
RECOMMENDATIONS**

REV. 09/07