

Uses

Precast circular manholes are used in sanitary sewer and storm drain systems for access, observation and junctions.

Precast circular vertical structures are used for pump stations, wet wells, stormwater management structures and impoundment overflow structures.

Sizes

Precast circular manholes and vertical structures are normally available in diameters of 48 inch through 120 inch.

Applications

Precast circular manholes can be used for the following:

- access to the system for maintenance
- observation points
- changes in pipe size
- changes in pipe shape
- changes in direction of pipe
- junctions for multiple pipes.

Precast circular vertical structures can be used for the following:

- wet wells
- sanitary or stormwater pump stations
- overflow structures for ponds.

Precast circular manholes and vertical structures can be provided with the following features:

- protective linings
- flexible pipe-to-manhole connections
- custom openings
- custom tops.

Joints

Preformed mastic or butyl gaskets are normally available for circular manholes and vertical structures.

Applicable Specifications

The following specifications apply to precast circular manholes and vertical structures:

- ASTM C478 / AASHTO M199 - Circular Precast Reinforced Concrete Manhole Sections.