Adjacent walls may have different widths based upon pipe configuration, but structure must be rectangular.

If manhole depth exceeds 20 feet, install steps.

Install infiltration barrier.

1. Cast-in-place base shown. If base is precast integral with walls, the footprint of the base is not required to extend beyond the outer edge of the walls.
2. Provide two #5 hoop bars at intermediate top opening and at all pipe openings.
3. Wall widths vary with pipe diameter and range from 4 feet minimum to 12 feet maximum. Provide 12 inches of wall width (minimum) each side of pipe opening.
4. 12 inch minimum wall height above all pipe openings.

### Typical Section

**Precast Top**
- 6" min. dia.
- 36" dia.

**Concrete Collar**
- 6" x 6" Filleted
- 6'' dia.
- 48" dia.

**Flexible Pipe Connection**
- (typ.)

**Concrete Fillet**
- 12" min.

**Adjustment Rings**
- 12"

**Joint Sealant (typ.)**
- 12"

**Precast Riser Section**
- 6" min.

**Bedding Material**
- 8" min. Class I

**Short Wall Width**
- 12"

**8" min. Bedding Material**
- 12"

**TYPICAL SECTION**
- 12"

**Square Bearing Edge**
- Depth (12'-0" min to 22'-0" max.)
REINFORCING BAR LIST

<table>
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<th>Shape</th>
<th>Length</th>
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