



Manhole cover and frame as specified and shown on manhole covers and frames, Std. Drg. RD356

Frame and riser rings shall be sealed with grout

Precast adjustment rings

Provide manhole steps unless otherwise specified. Concentric cone may be used if steps or ladders are not required. (See general notes 5 and 6)

All joints shall be sealed with non-shrink grout, preformed plastic or rubber ring to form a watertight seal

Tracer wire. (See general note 7)

18" max. diameter for 72" dia. manhole

Use commercially available rubber boot or manhole adapter

Standard precast manhole risers as required. Variable length

Manhole base (Precast base shown)

Base rock

24" max. (See general note 6)

Adjustment ring(s) variable 12" max.

25"

8" min.

8" min.

8" min.

24" min.

72" min.

6" min.

Finish grade

Tracer wire (See general note 7)

18" max. (Typ.) (See general note 3)

Flow

Sand coated ball w/ rubber gasket joint or use flexible joint

6" thru 18" ASTM D 3034 SDR 35 PVC Cross.

Short nipple section as required (Typ.)

Mechanical plug

Stainless steel anchor strap

Flow

Flow

- GENERAL NOTES FOR ALL DETAILS:**
1. All precast sections shall conform to requirements of ASTM C476.
 2. Standard precast manhole section diameter shall be 72". Maximum pipe diameter 18".
 3. All connecting pipes shall have a flexible, gasketed, and unrestrained joint within 18" of manhole wall.
 4. See Std. Drg. RD344 for manhole base section.
 5. See Std. Drg. RD336 for manhole steps details, and flat-top slab orientation.
 6. Adjust 24" max.
 7. See Std. Drg. RD336 for tracer wire details.
 8. Ladder with notched safety rail and removable extension is reqd. for manholes with depths between 24'-0" and 50'-0".

Dwg. BOOK NO.		BASELINE REPORT DATE
NOTE: All material and workmanship shall be in accordance with the current Oregon Standard Specifications		
OREGON STANDARD DRAWINGS		
STORM SEWER POLLUTION CONTROL MANHOLE		
DATE	REVISION	DESCRIPTION
01/2011	REVISED	2008

The selection and use of this Standard Drawing, while designed in accordance with generally accepted engineering principles and practices, is the sole responsibility of the user and should not be used without consulting a Registered Professional Engineer.

Effective Date: June 1, 2011 - November 30, 2011 RD340