

Manhole frame and cover as specified and shown on manhole frame and cover detail RD356.

Frame and adjustment rings shall be sealed with non-shrink grout, preformed plastic or rubber to form a watertight seal.

Adjustment rings

Manhole steps shall not be provided unless specified. Concentric cone may be used unless steps or ladders are specified.

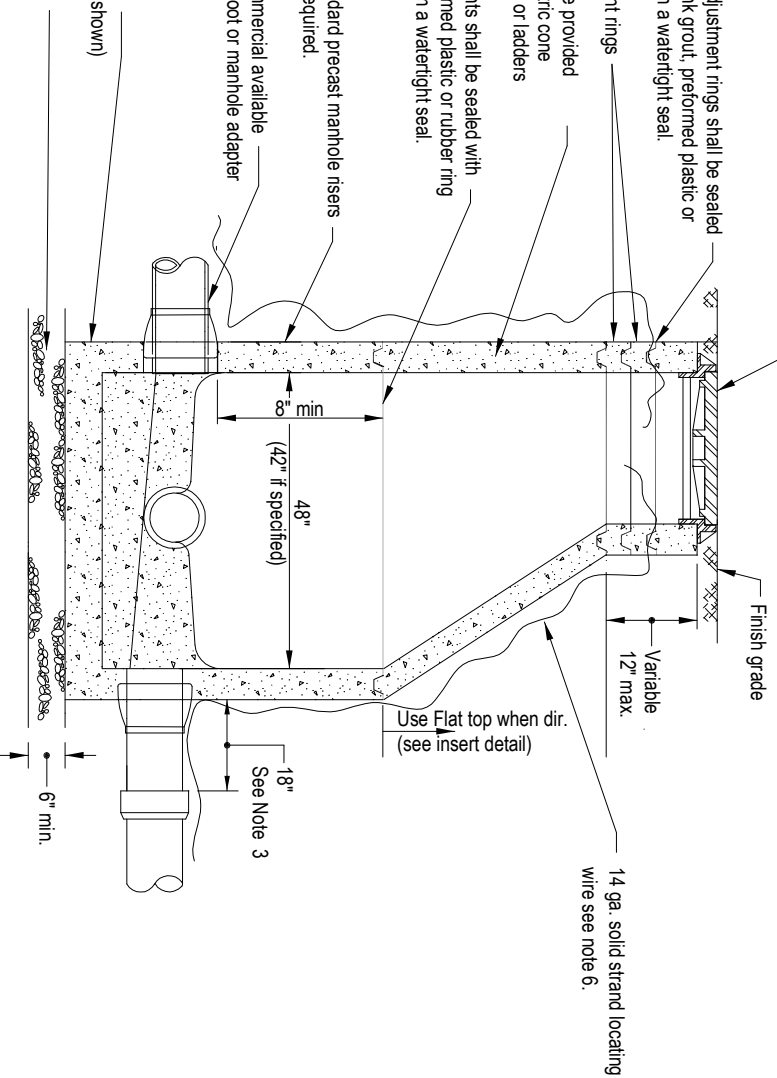
All joints shall be sealed with preformed plastic or rubber ring to form a watertight seal.

Standard precast manhole risers As required.

Use commercial available rubber boot or manhole adapter

Manhole base (precast base shown)

Base rock



Notes:

1. All precast sections shall conform to requirements of ASTM C478M.
2. Standard precast manhole section diameter shall be 48". Use 42" if specified by engineer. Maximum pipe diameter 24".
3. All connecting pipes shall have a flexible joint within 18" of manhole wall.
4. This detail limited to interior drop of 24". See drop manhole detail for drops in excess of 24".
5. Use flat top for shallow manhole where directed.
6. 14 ga. solid strand, color coded, locating wire shall enter manhole no more than 10" below finish grade and protrude into manhole at least 18".

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.

NOTE: All material and workmanship shall be in accordance with the current Oregon Standard Specifications	
OREGON STANDARD DRAWINGS	
CITY OF HOOD RIVER	
STANDARD MANHOLE	
DATE	REVISIONS
12-78	2002
	DESCRIPTION
	City of Hood River Indications