



If manhole depth exceeds 20 feet, install steps.

Install infiltration barrier.

- (1) For new pipe connections, provide cored opening with flexible pipe connector.
- (2) For existing pipe connections, provide an arched opening with a diameter up to 6 inches larger than outside diameter of pipe. Install waterstop around existing pipe. Fill void between pipe and opening with non-shrink grout.
- (3) For additional configurations, maintain a minimum of 12 inches of concrete between vertical edges of pipe openings.
- (4) 12 inch minimum riser height above all pipe openings.
- (5) When specified, provide an eccentric flat to In Lieu of eccentric cone section.

Manhole Diameter (inches)	Maximum Pipe Diameter (inches) for 2 Pipes (3)	
	At 180° Separation	At 90° Separation
48	24	18
60	36	24
72	42	30
84	48	36
96	60	42

FIGURE 6010.303 SHEET 1 OF 1

SUDAS	IOWADOT	REVISION
		5 10-18-22
FIGURE 6010.303	STANDARD ROAD PLAN	<b>SW-303</b>
REVISIONS: Added circle note 5.		SHEET 1 of 1
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<b>SANITARY SEWER MANHOLE OVER EXISTING SEWER</b>		