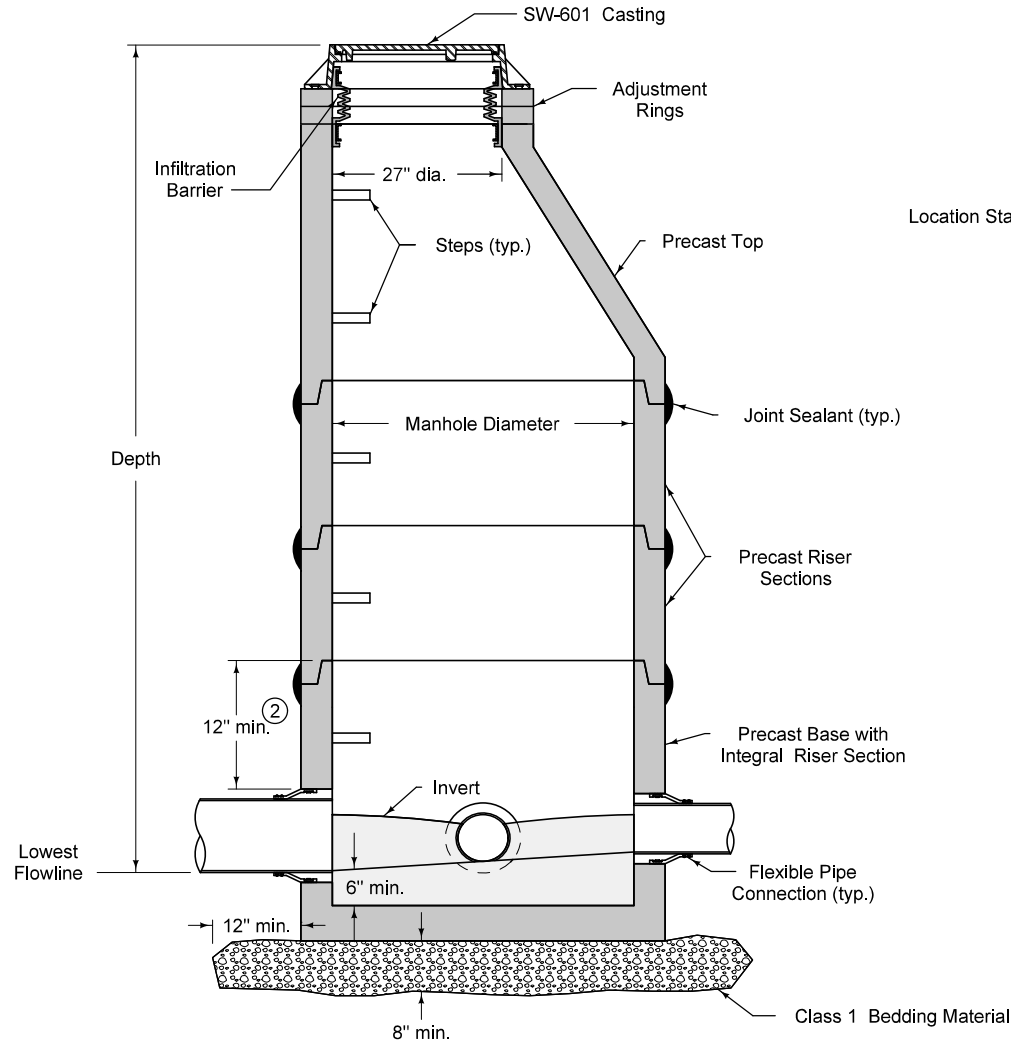
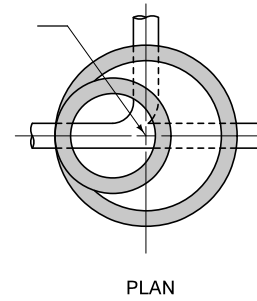


- ① For additional configurations, maintain a minimum of 12 inches of concrete between vertical edges of pipe openings.
- ② 12 inch minimum riser height above all pipe openings.



Location Station



PLAN

Manhole Diameter (inches)	Maximum Pipe Diameter (inches) for 2 Pipes ①	
	At 180° Separation	At 90° Separation
48	24	18
60	36	24
72	42	30
84	48	36
96	60	42

TYPICAL SECTION

FIGURE 6010.301 SHEET 1 OF 1

SUDAS	IOWADOT	REVISION
		1 10-21-14
FIGURE 6010.301	STANDARD ROAD PLAN	SW-301
		SHEET 1 of 1

REVISIONS: Changed "Chimney Seal" to "Infiltration Barrier".

Paul D. Wigand
SUDAS DIRECTOR

Brian Smith
DESIGN METHODS ENGINEER

CIRCULAR SANITARY SEWER MANHOLE