

TYPICAL SECTION

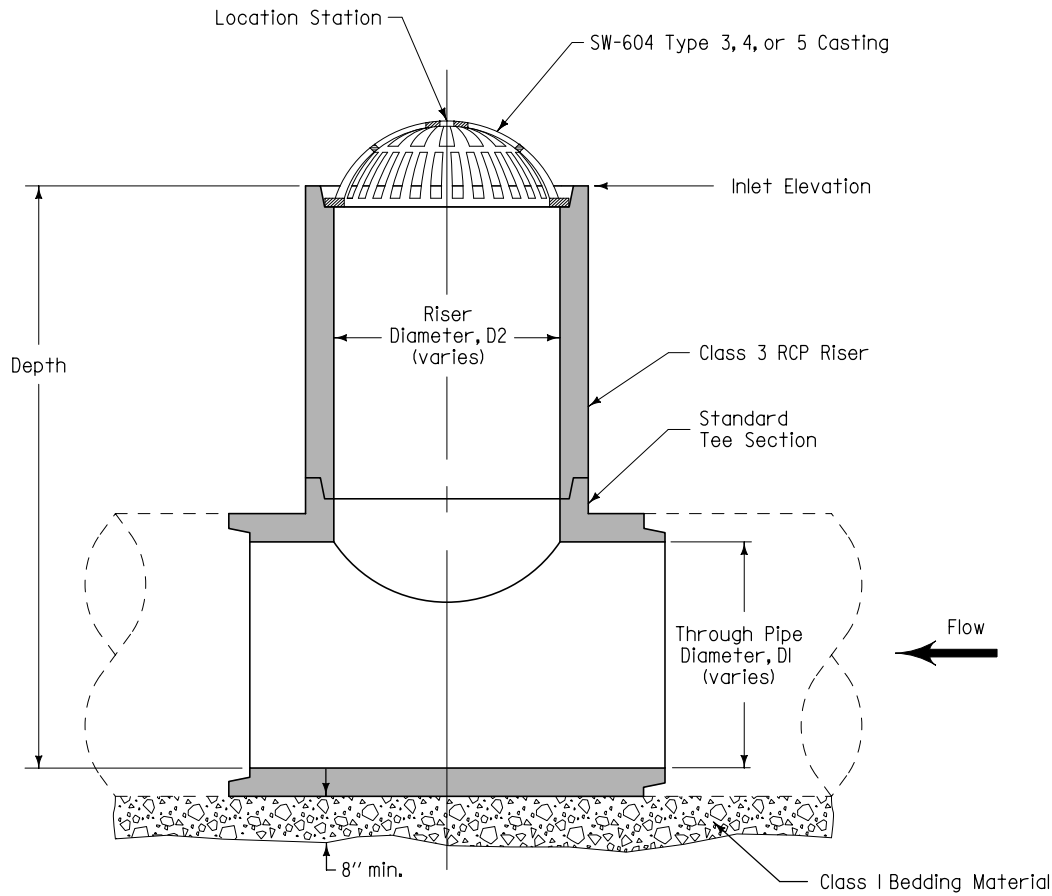
CASE I

- ① Precast (shown) or cast-in-place base:
 - Precast: 6-inch thick concrete with #6 welded wire mesh on 4-inch centers (WWF 4" x 4"). Center mesh vertically within base.
 - Cast-in-place: 8-inch thick non-reinforced concrete.
- ② 12-inch minimum riser height above all pipes.

INTAKE SIZE - CASE I	
Outlet Pipe Diameter, DI	Minimum Riser Diameter, D2
12"	18"
15"	24"
18"	24"
21"	30"
24"	30"
27"	36"

SUDAS	Iowa Department of Transportation	REVISION
		1 10-20-09
FIGURE 6010.512 STANDARD ROAD PLAN		SW-512
		SHEET 1 of 2
REVISIONS: Changed circle notes 1 & 2 and shading. Added sheet 2.		
 SUDAS DIRECTOR	 Deanna Marfield	DESIGN METHODS ENGINEER
CIRCULAR AREA INTAKE		

③ Minimum riser diameter is 18 inches.



INTAKE SIZE - CASE 2	
Through Pipe Diameter, D1	Maximum ③ Riser Diameter, D2
18"	18"
21"	18"
24"	24"
27"	24"
30"	30"
36" or more	36"

TYPICAL SECTION

CASE 2

SUDAS	Iowa Department of Transportation	REVISION 1 10-20-09
		SW-512 SHEET 2 of 2
REVISIONS: Changed circle notes 1 & 2 and shading. Added sheet 2.		
SUDAS DIRECTOR	Deanna Mailfield DESIGN METHODS ENGINEER	
CIRCULAR AREA INTAKE		