

TYPICAL SECTION

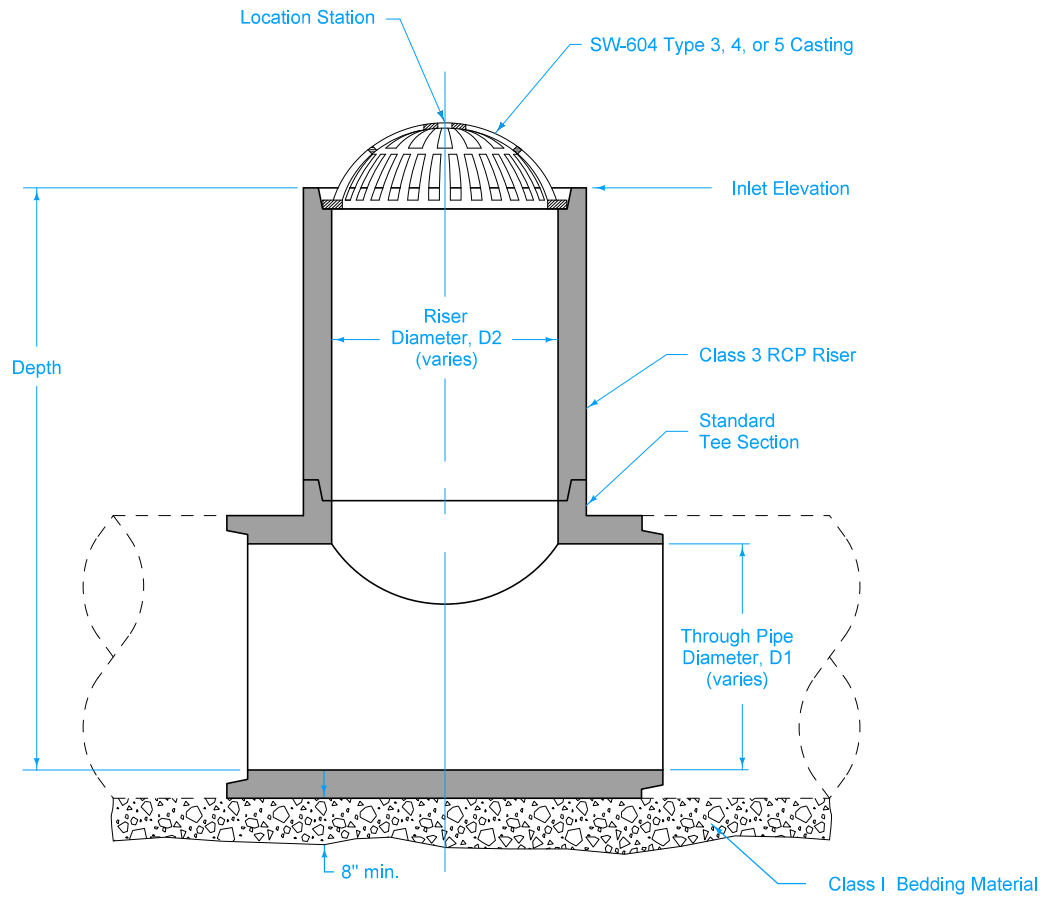
CASE 1

- 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 1	
Outlet Pipe Diameter, D1	Minimum Riser Diameter, D2
12"	18"
15"	24"
18"	24"
21"	30"
24"	30"
27"	36"

SUDAS	IOWADOT	REVISION
		4 04-21-20
FIGURE 6010.512	STANDARD ROAD PLAN	SW-512
		SHEET 1 of 2
REVISIONS: Changed 1 to 1 on Bedding Material		
Paul D. Wigand SUDAS DIRECTOR		Scott Miller DESIGN METHODS ENGINEER
CIRCULAR AREA INTAKE		

③ Minimum riser diameter is 18 inches.



TYPICAL SECTION

CASE 2

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

SUDAS	IOWADOT	REVISION
		4 04-21-20
FIGURE 6010.512	STANDARD ROAD PLAN	SW-512
		SHEET 2 of 2

REVISIONS: Changed 1 to 1 on Bedding Material

Paul D. Wigand
SUDAS DIRECTOR

Steve Miller
DESIGN METHODS ENGINEER

CIRCULAR AREA INTAKE