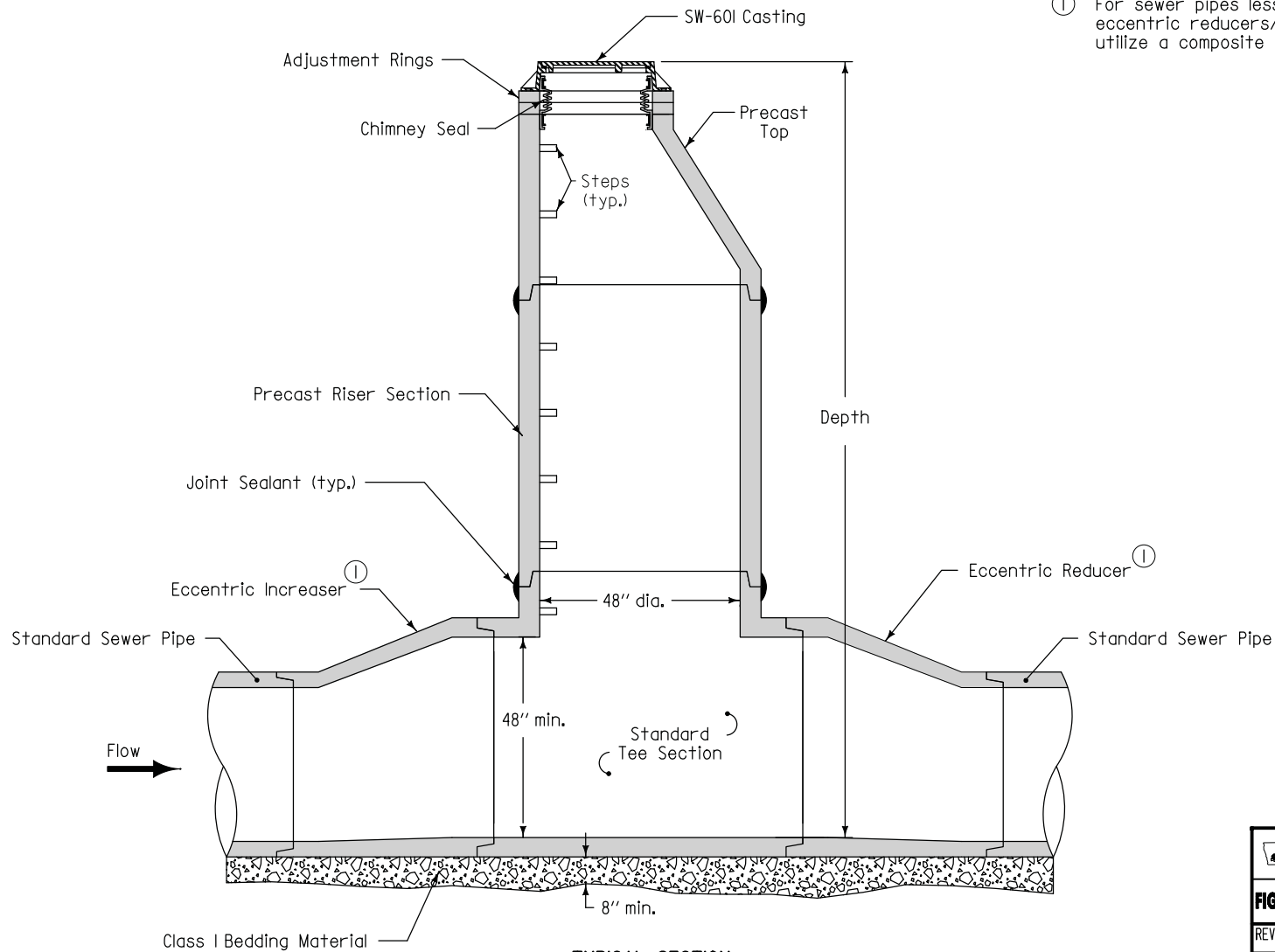


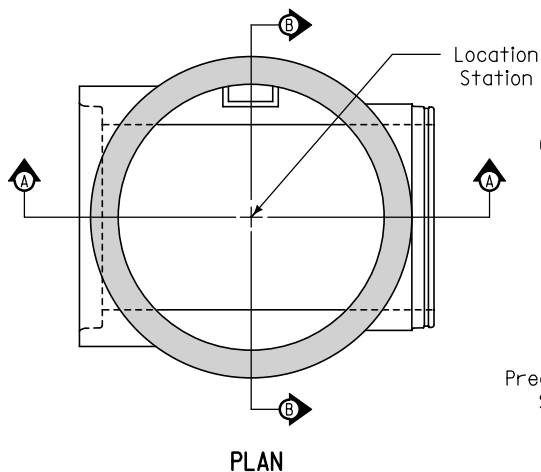


① For sewer pipes less than 48 inches in diameter, install eccentric reducers/increasers with a standard tee or utilize a composite tee.

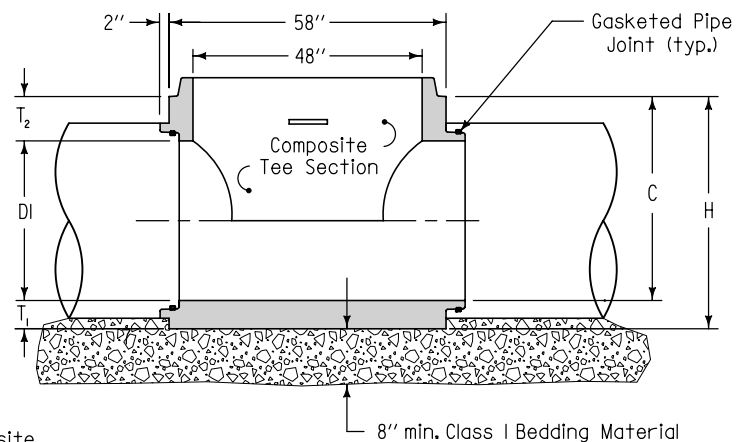
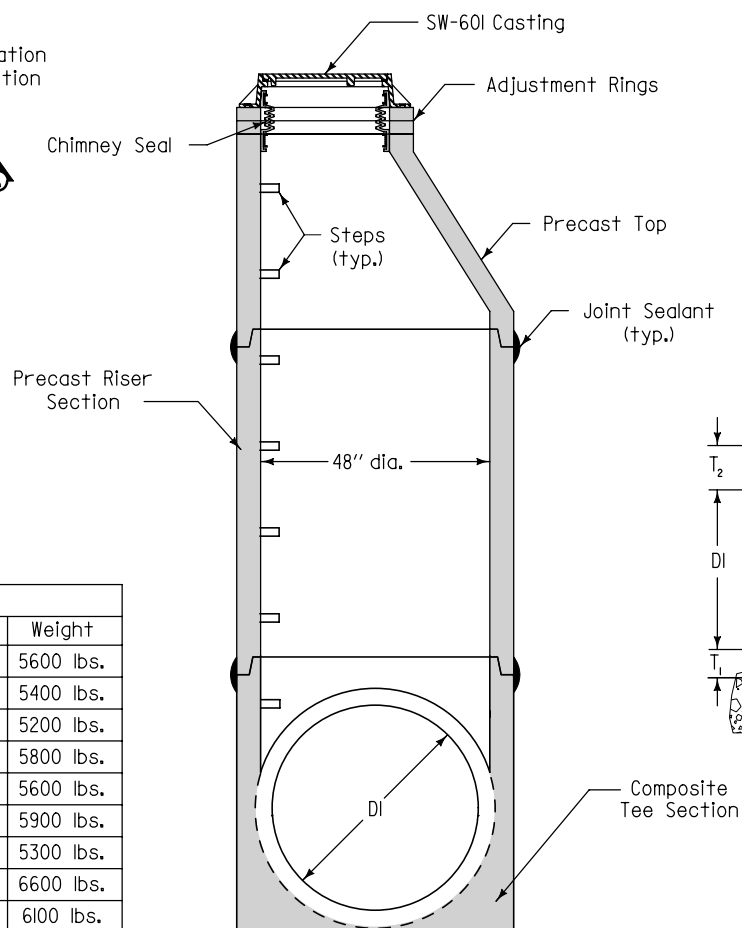
TYPICAL SECTION

STANDARD TEE ①

 SUDAS	 Iowa Department of Transportation	REVISION		
		NEW	04-21-09	
FIGURE 6010.305		SW-305		
STANDARD ROAD PLAN				
		SHEET 1 of 2		
REVISIONS: New. Replaces SUDAS Type "J" Manhole.				
 SUDAS DIRECTOR		 DESIGN METHODS ENGINEER		
TEE-SECTION SANITARY SEWER MANHOLE				



COMPOSITE TEE DIMENSIONS						
Size	DI	H	T ₁	T ₂	C	Weight
48" on 12"	12"	50"	8 1/2"	29 1/2"	41 1/2"	5600 lbs.
48" on 15"	15"	50"	7"	28"	43"	5400 lbs.
48" on 18"	18"	50"	5 1/2"	26 1/2"	44 1/2"	5200 lbs.
48" on 21"	21"	48"	9 1/2"	17 1/2"	38 1/2"	5800 lbs.
48" on 24"	24"	48"	8"	16"	40"	5600 lbs.
48" on 27"	27"	48"	9 1/2"	11 1/2"	38 1/2"	5900 lbs.
48" on 30"	30"	48"	8"	10"	40"	5300 lbs.
48" on 33"	33"	54"	9 1/2"	11 1/2"	44 1/2"	6600 lbs.
48" on 36"	36"	54"	8"	10"	46"	6100 lbs.



COMPOSITE TEE

Alternate to standard tee with eccentric reducer (for pipes 36" and smaller).

SUDAS	Iowa Department of Transportation	REVISION
		NEW 04-21-09
FIGURE 6010.305	STANDARD ROAD PLAN	SW-305
		SHEET 2 of 2
REVISIONS: New. Replaces SUDAS Type "J" Manhole.		
 SUDAS DIRECTOR	 DESIGN METHODS ENGINEER	
TEE-SECTION SANITARY SEWER MANHOLE		