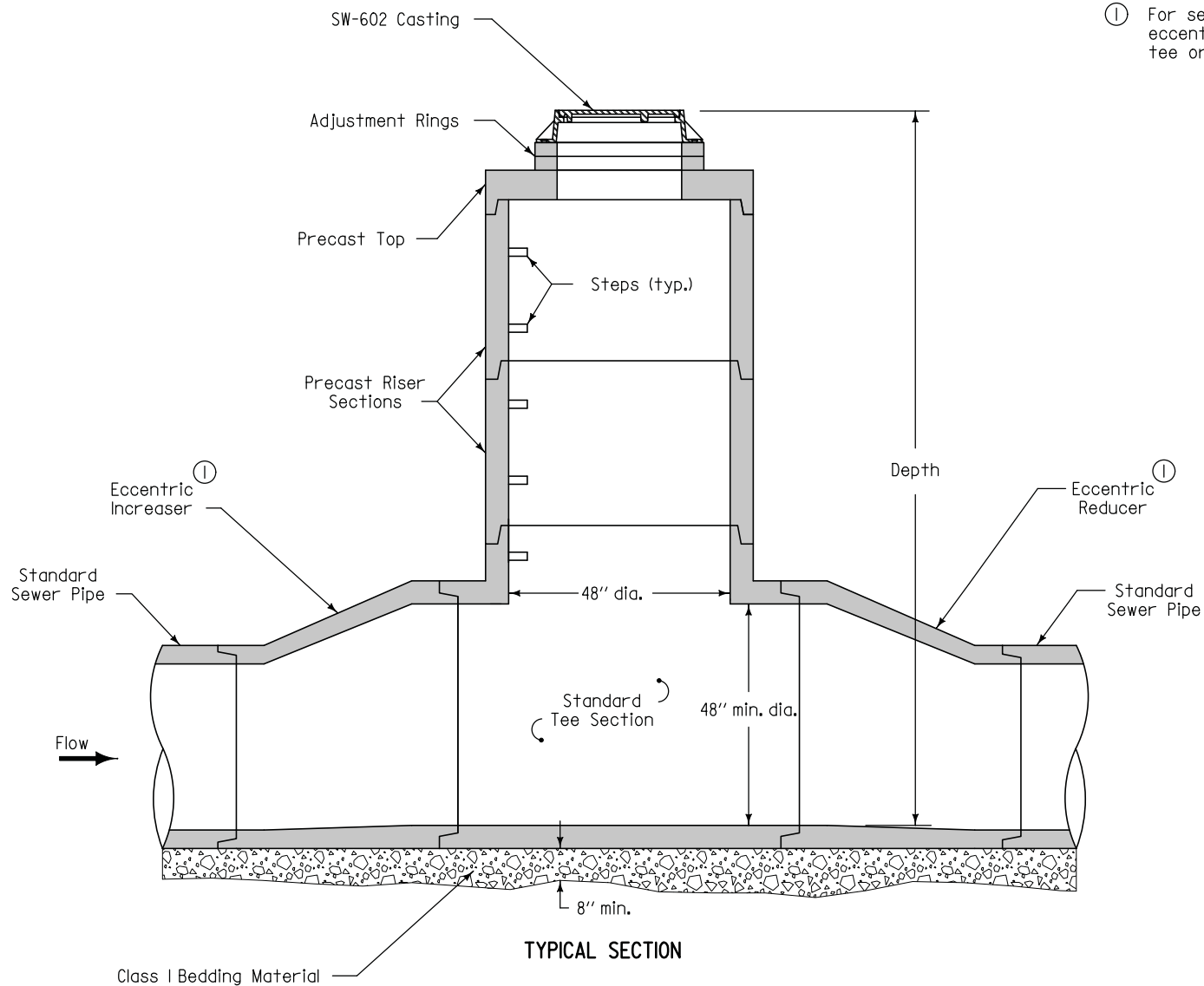
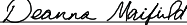


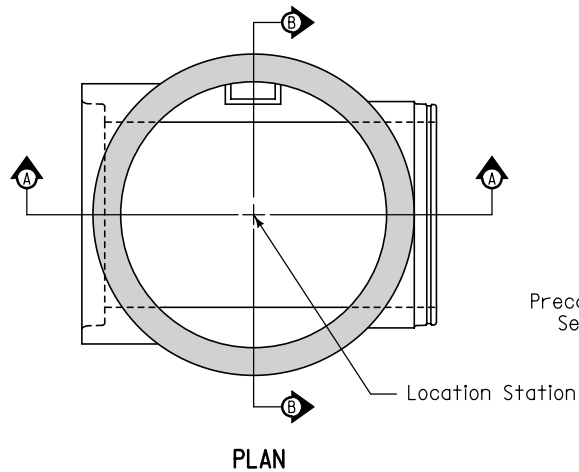


① For sewer pipes less than 48 inch diameter, install eccentric reducers/increasers with a standard tee or utilize a composite tee.

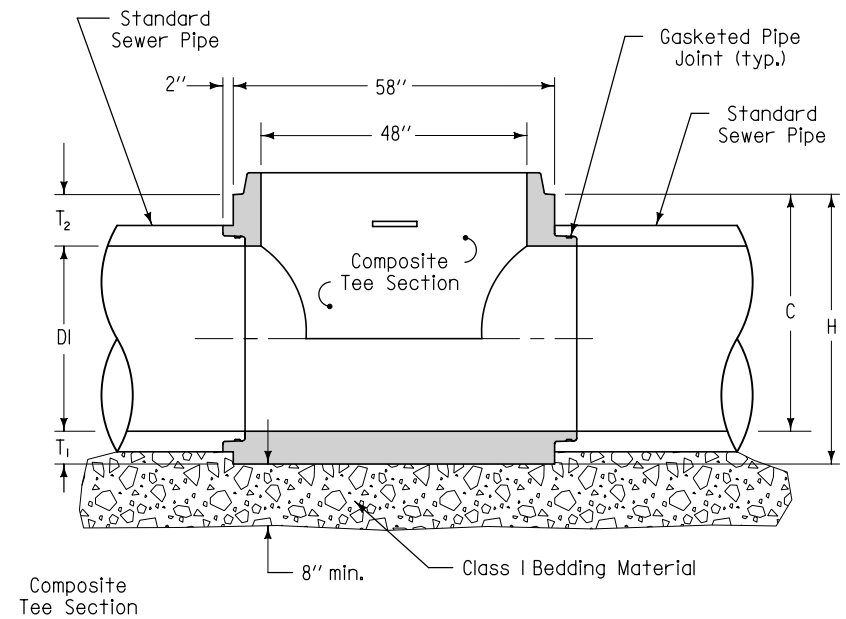
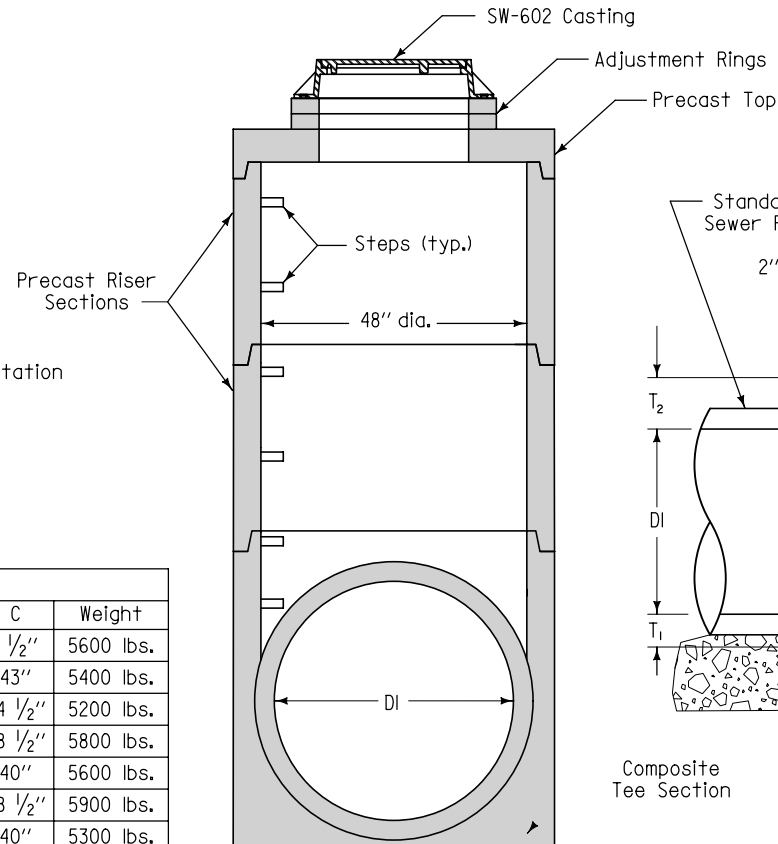
FIGURE 6010.405 SHEET 1 OF 2

TYPICAL SECTION
STANDARD TEE ①

 SUDAS	 Iowa Department of Transportation	REVISION	
		NEW	04-21-09
FIGURE 6010.405	STANDARD ROAD PLAN	SW-405	
		SHEET 1 of 2	
REVISIONS: New. Replaces SUDAS Type "M-E" Manhole.			
 SUDAS DIRECTOR		 DESIGN METHODS ENGINEER	
TEE-SECTION STORM SEWER MANHOLE			

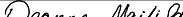


COMPOSITE TEE DIMENSIONS						
Size	DI	H	T ₁	T ₂	C	Weight
48" on 12"	12"	50"	8 1/2"	29 1/2"	41 1/2"	5600 lbs.
48" on 15"	15"	50"	7"	28"	43"	5400 lbs.
48" on 18"	18"	50"	5 1/2"	26 1/2"	44 1/2"	5200 lbs.
48" on 21"	21"	48"	9 1/2"	17 1/2"	38 1/2"	5800 lbs.
48" on 24"	24"	48"	8"	16"	40"	5600 lbs.
48" on 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
		SW-405	
		SHEET 2 of 2	
FIGURE 6010.405	STANDARD ROAD PLAN		
REVISIONS: New. Replaces SUDAS Type "M-E" Manhole.			
 SUDAS DIRECTOR		 DESIGN METHODS ENGINEER	
TEE-SECTION STORM SEWER MANHOLE			