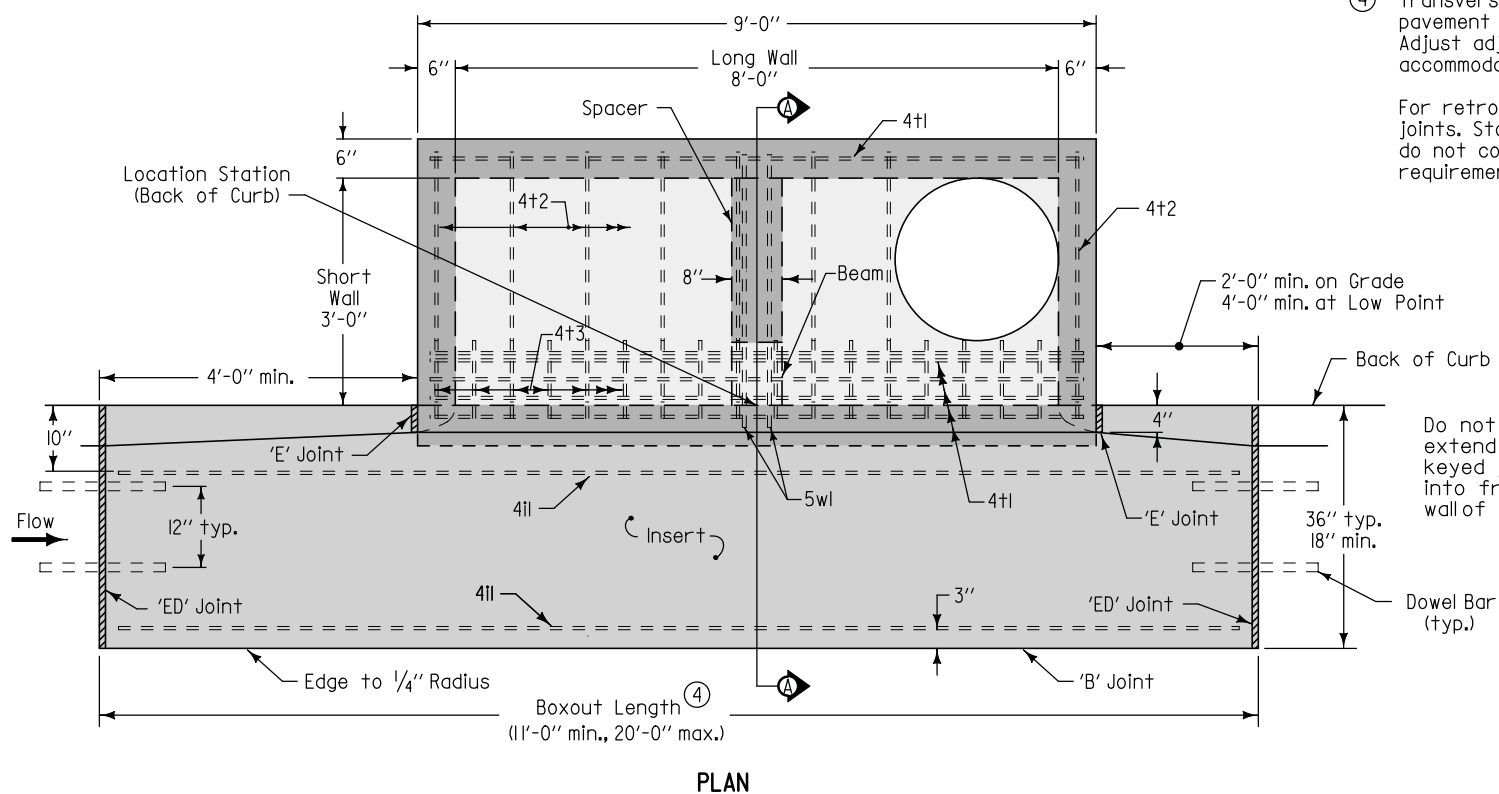
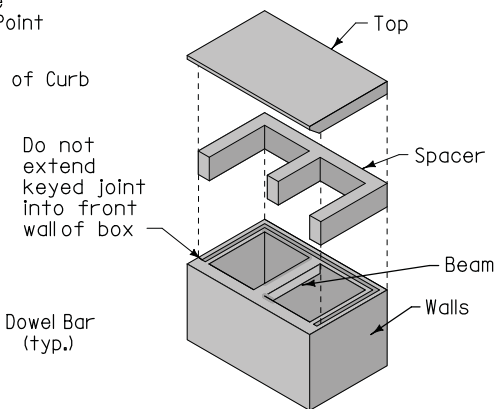


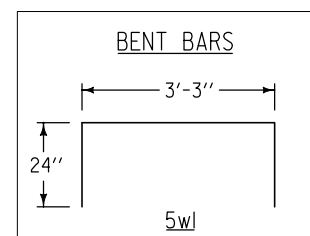


④ Transverse joint spacing on new concrete pavement is controlled by the intake boxout. Adjust adjacent joint spacing as required to accommodate boxouts.

For retrofit intakes, match existing pavement joints. Stop any transverse pavement joints that do not conform to the minimum spacing requirements at the edge of the insert area.



ISOMETRIC



REINFORCING BAR LIST						
Mark	Size	Location	Shape	Count	Length	Spacing
4b1	4	Base	—	9	3'-6"	12"
4b2	4	Base	—	5	8'-6"	10"
4i1	4	Insert	—	4	Boxout Length minus 8"	See Insert
4t1	4	Top	—	6	8'-6"	See Plan
4t2	4	Top	—	8	3'-6"	12"
4t3	4	Top	—	18	10"	6"
4w1	4	Walls	—	22	Wall Height minus 4"	13"
4w2	4	Long Walls	—	Varies	4'-8"	12"
4w3	4	Short Walls	—	Varies	3'-8"	12"
5w1	5	Beam	⌐	2	7'-3"	4"

MAXIMUM PIPE DIAMETERS		
Pipe Location	Precast Structure	Cast-in-place Structure
Short Wall	24"	30"
Long Wall	60"	66"

 SUDAS	 Iowa Department of Transportation	REVISION 1 10-20-09	
		SW-509	
		SHEET 2 of 2	
FIGURE 6010.509	STANDARD ROAD PLAN	REVISIONS: Adjusted depth line, circle note 3, and shading. Removed minimum depth. Renamed standard.	
 SUDAS DIRECTOR	 DESIGN METHODS ENGINEER	DOUBLE OPEN-THROAT CURB INTAKE, SMALL BOX	