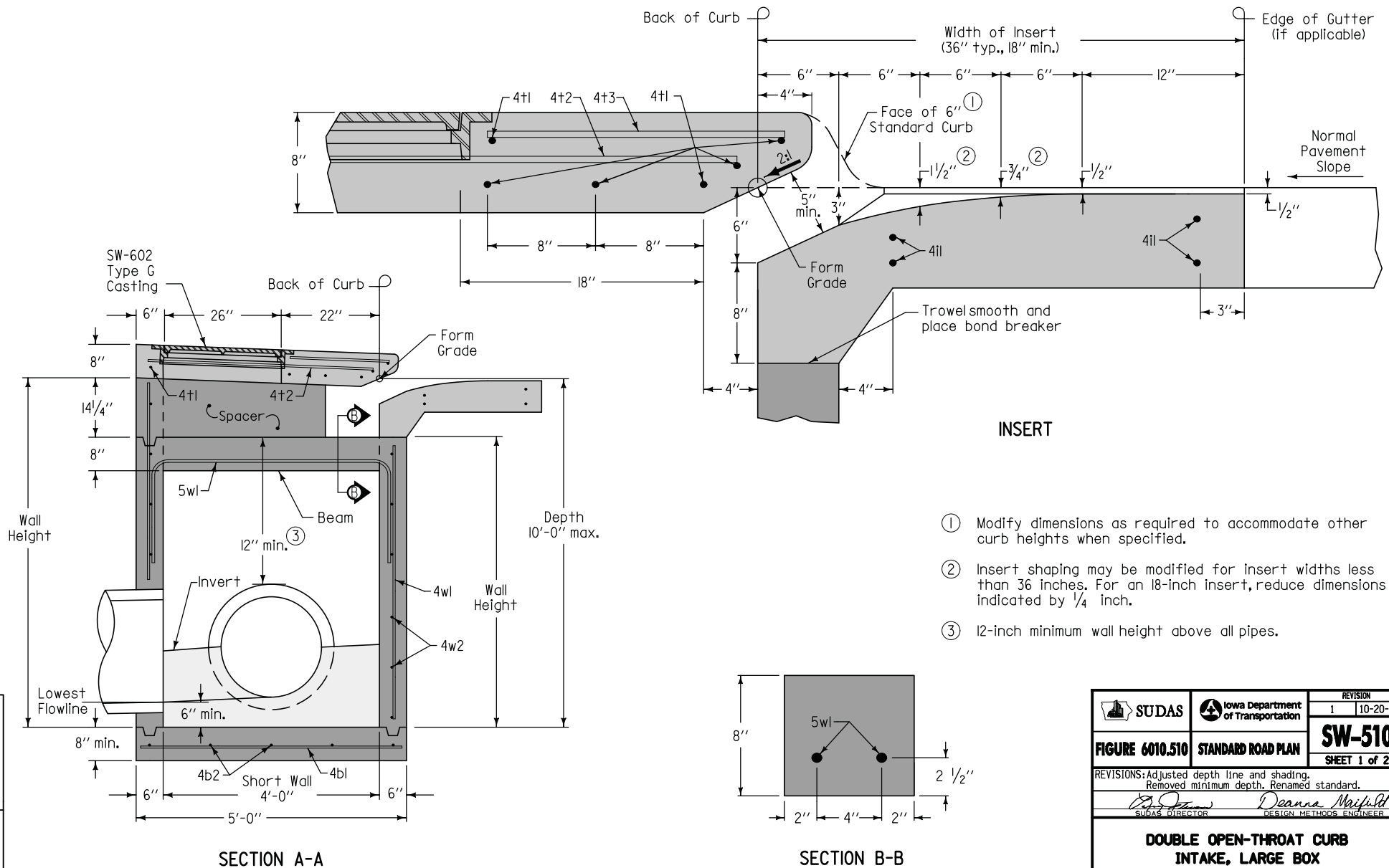
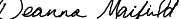
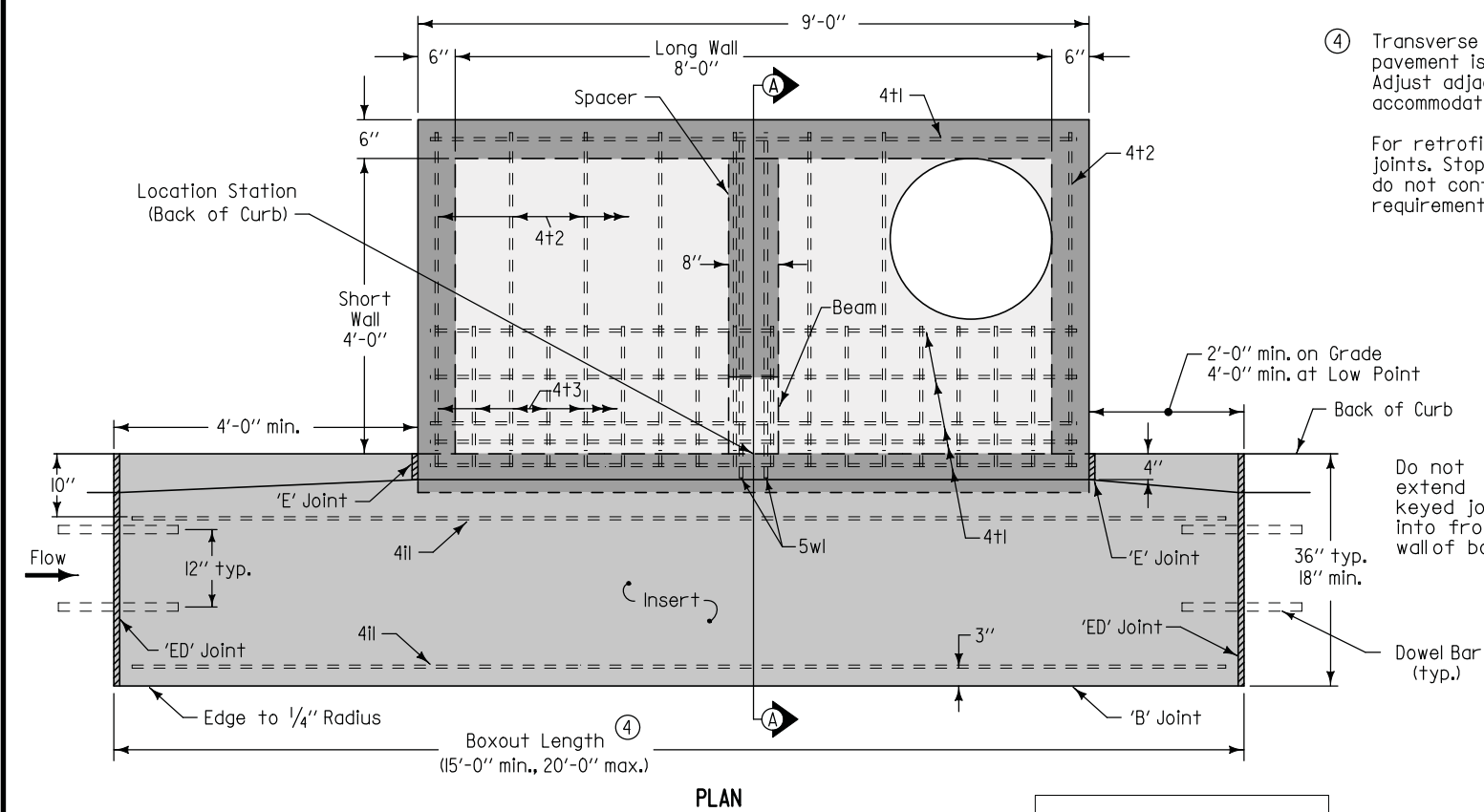


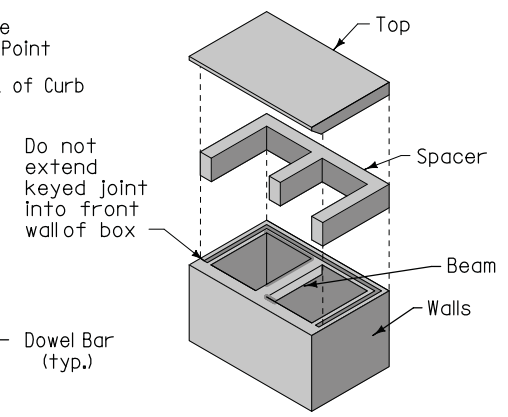


 SUDAS	 Iowa Department of Transportation	REVISION	
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FIGURE 6010.510			
STANDARD ROAD PLAN			
SW-510			
SHEET 1 of 2			
REVISIONS: Adjusted depth line and shading. Removed minimum depth. Renamed standard.			
 SUDAS DIRECTOR			
 Deanna Mairfeld DESIGN METHODS ENGINEER			
DOUBLE OPEN-THROAT CURB INTAKE, LARGE BOX			

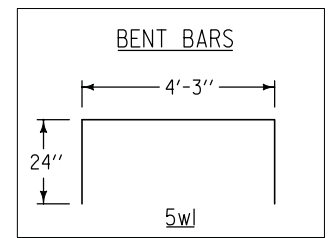


④ Transverse joint spacing on new concrete pavement is controlled by the intake boxout. Adjust adjacent joint spacing as required to accommodate boxouts.

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.



REINFORCING BAR LIST						
Mark	Size	Location	Shape	Count	Length	Spacing
4b1	4	Base	—	9	4'-6"	12"
4b2	4	Base	—	6	8'-6"	11"
4il	4	Insert	—	4	Boxout Length minus 8"	See Insert
4tl	4	Top	—	7	8'-6"	See Plan
4t2	4	Top	—	8	4'-4"	12"
4t3	4	Top	—	18	1'-10"	6"
4wl	4	Walls	—	24	Wall Height minus 4"	13"
4w2	4	Long Walls	—	Varies	4'-8"	12"
4w3	4	Short Walls	—	Varies	8'-8"	12"
5wl	5	Beam	⌋	2	8'-3"	4"



MAXIMUM PIPE DIAMETERS		
Pipe Location	Precast Structure	Cast-in-place Structure
Short Wall	30"	36"
Long Wall	60"	66"

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	FIGURE 6010.510 STANDARD ROAD PLAN SW-510 SHEET 2 of 2		
	REVISIONS: Adjusted depth line and shading. Removed minimum depth. Renamed standard.		
	SUDAS DIRECTOR Deanna Mayfield DESIGN METHODS ENGINEER		
DOUBLE OPEN-THROAT CURB INTAKE, LARGE BOX			