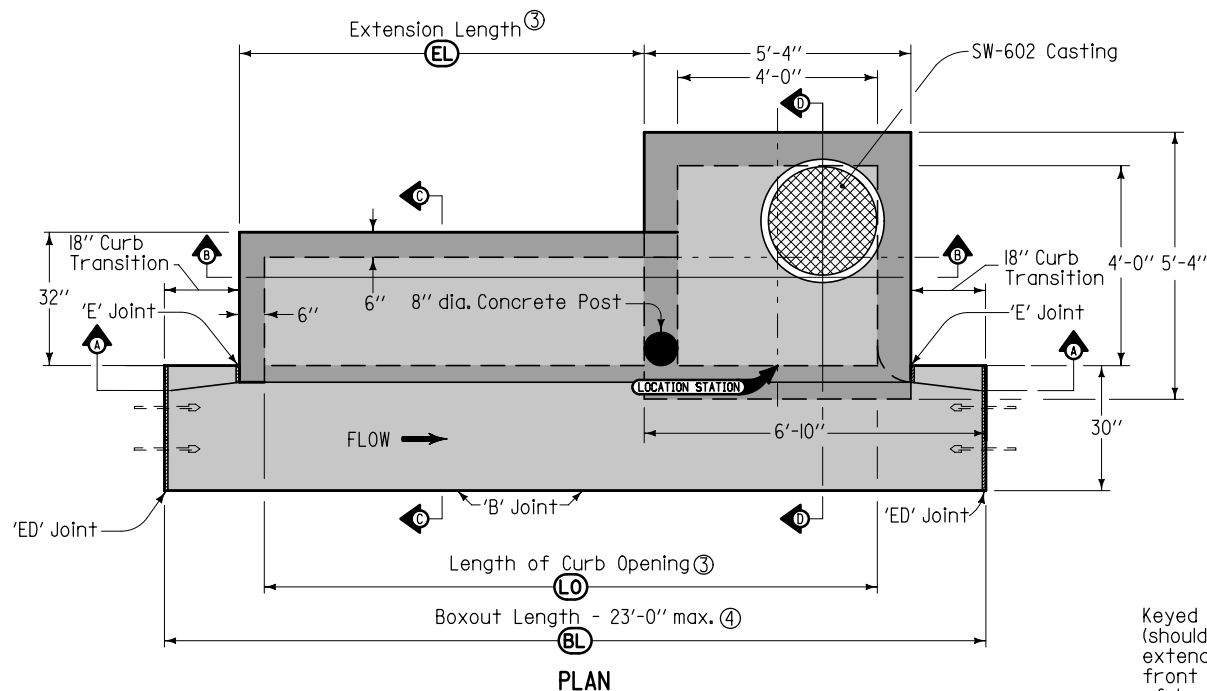
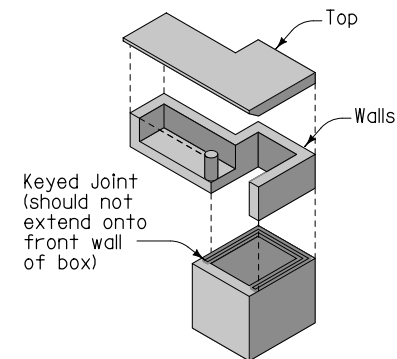




Extension unit may be used on either or both sides of intake. Details are similar when extension unit is on the opposite side. For joint details, refer to PV-101.

- ② Match gutter slope. Drain to well.
- ③ Other lengths of opening may be constructed by varying the length of the extension and the rebar.
- ④ Includes 2 inches for 'ED' Joints.



ISOMETRIC
INTAKE WELL, WALLS AND TOP

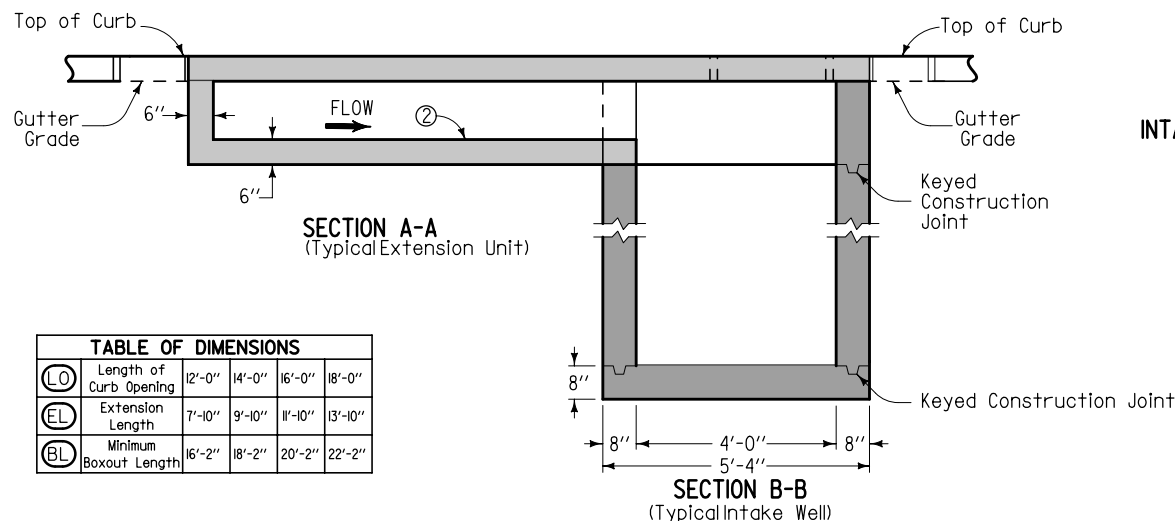
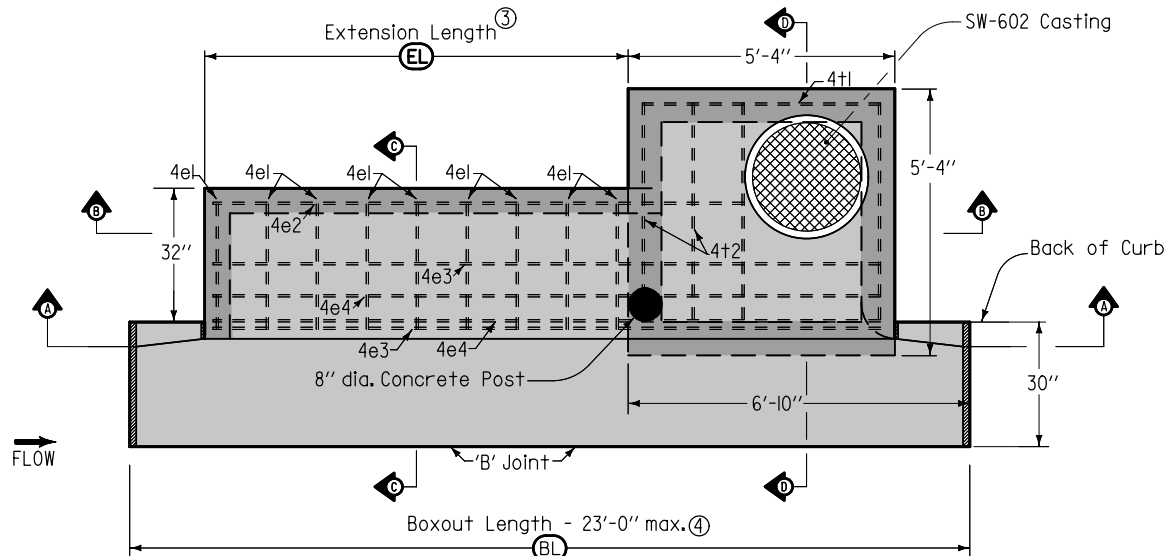


TABLE OF DIMENSIONS				
LO	Length of Curb Opening	12'-0"	14'-0"	16'-0"
EL	Extension Length	7'-10"	9'-10"	11'-10"
BL	Minimum Boxout Length	16'-2"	18'-2"	20'-2"

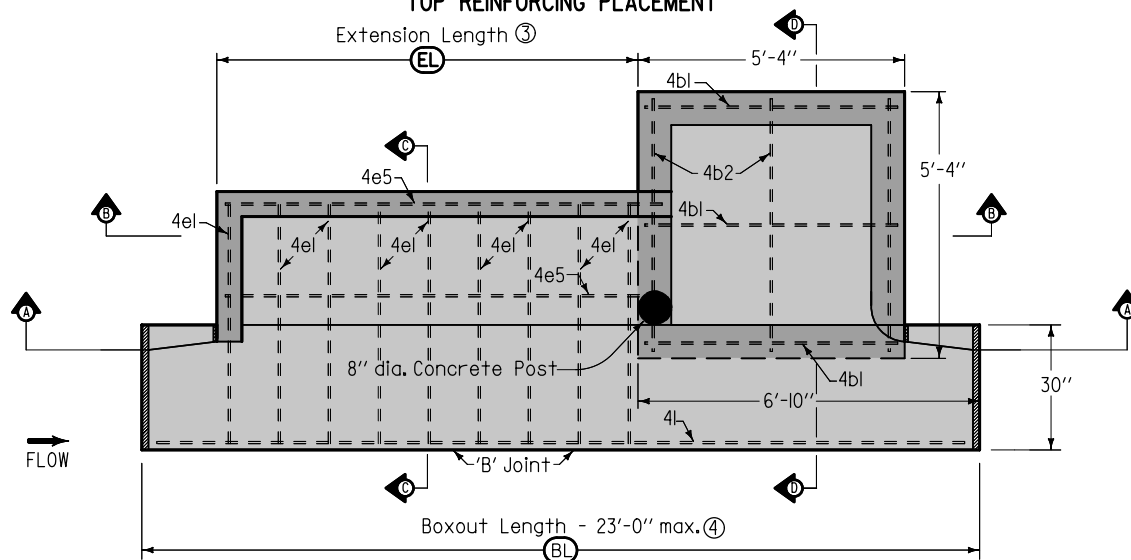
Possible Contract Item:

Intake, SW-545

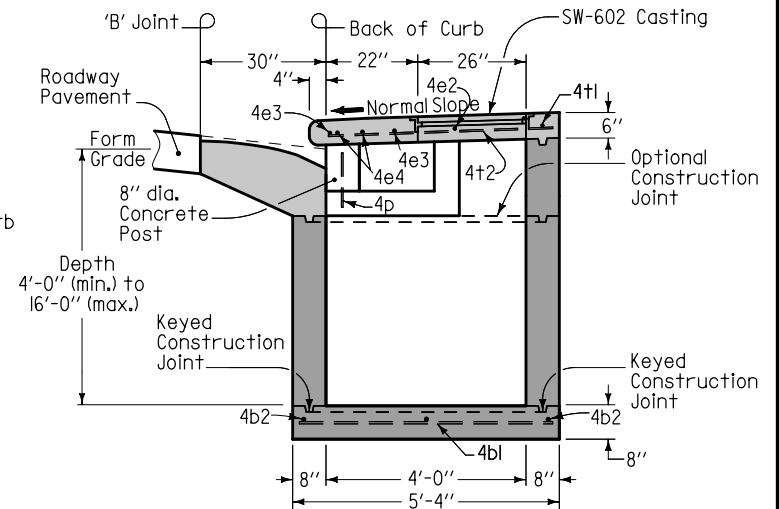
 STANDARD ROAD PLAN	REVISION 2 04-19-11
	SW-545
	SHEET 1 of 3
REVISIONS: Updated references to renamed standards.	
APPROVED BY DESIGN METHODS ENGINEER <i>Deanna Mifflin</i>	
SINGLE OPEN-THROAT CURB INTAKE WITH EXTENDED OPENING	



PLAN
TOP REINFORCING PLACEMENT



PLAN
BOTTOM REINFORCING PLACEMENT



SECTION D-D

REINFORCING BAR LIST
Intake Well

MARK	LOCATION	NO.	LENGTH	WEIGHT	SPACING
4b1	Base	3	5'-0"	10.0	2'-4"
4b2	Base	3	5'-0"	10.0	2'-4"
4t1	Top	1	5'-0"	3.3	12"
4t2	Top	4	4'-6"	12.0	See Detail
4p	Post	1	13"	0.7	
Total				36 lbs.	

③ Other lengths of opening may be constructed by varying the length of the extension and the rebars.

④ Includes 2 inches for 'ED' Joints.

 Iowa Department of Transportation	REVISION 2 04-19-11	
	SW-545 SHEET 2 of 3	
REVISIONS: Updated references to renamed standards.		
Deanna Maifeld APPROVED BY DESIGN METHODS ENGINEER		
SINGLE OPEN-THROAT CURB INTAKE WITH EXTENDED OPENING		

 Iowa Department of Transportation	REVISION 2 04-19-11	
	SW-545 SHEET 3 of 3	
STANDARD ROAD PLAN		
REVISIONS: Updated references to renamed standards.		
<i>Deanna Maifull</i> APPROVED BY DESIGN METHODS ENGINEER		
SINGLE OPEN-THROAT CURB INTAKE WITH EXTENDED OPENING		