

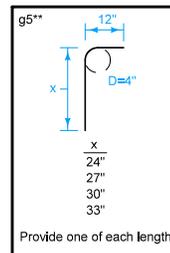
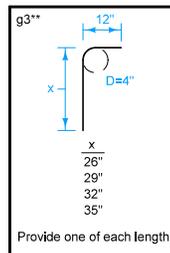
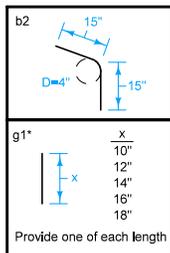
PLAN  
(SW-542 EXTENSION AND SW-541 INTAKE)

Extension unit may be used on either or both sides of SW-541 intakes. Details are similar when extension unit is on the opposite side.

- ① g3 for 6 inch standard curb; g5 for 4 inch sloped curb.
- ② c1 for 6 inch standard curb; c2 for 4 inch sloped curb. See SW-541 for reinforcing.
- ③ The location station is where the centerline of intake meets the back of the curb line.

Placing sequence: 1. Base; 2. Walls and Extension; 3. Top; 4. Insert

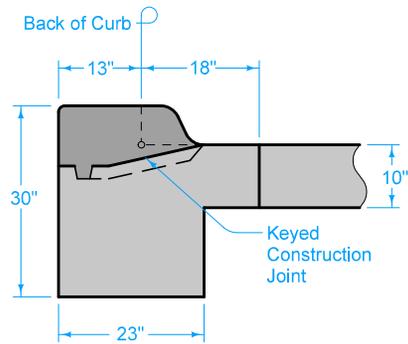
REINFORCING BAR LIST							
BAR	SIZE	LOCATION	SHAPE	NO.	LENGTH	WEIGHT	SPACING
b2	4	Intake Wall		3	2'-6"	5.0	9"
f1	4	Bottom		3	4'-9"	9.5	9"
f2	4	Bottom		4	1'-7"	4.2	18"
g1	4	Wall		5	Varies*	3.9	12"
g2	4	Wall		1	4'-8"	3.1	-
g3	4	Top		4	Varies**	6.8	18"
g4	4	Top		3	6'-4"	12.7	-
g5	4	Top		4	Varies**	6.8	18"



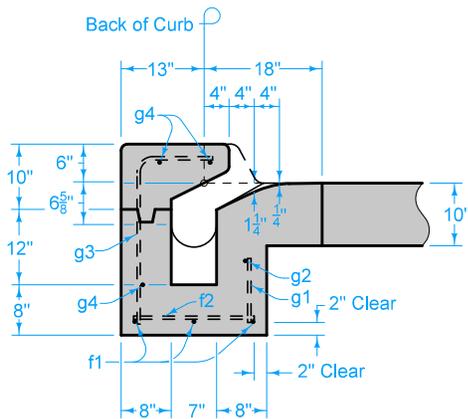
Possible Contract Item:

Intake Extension Unit, SW-542

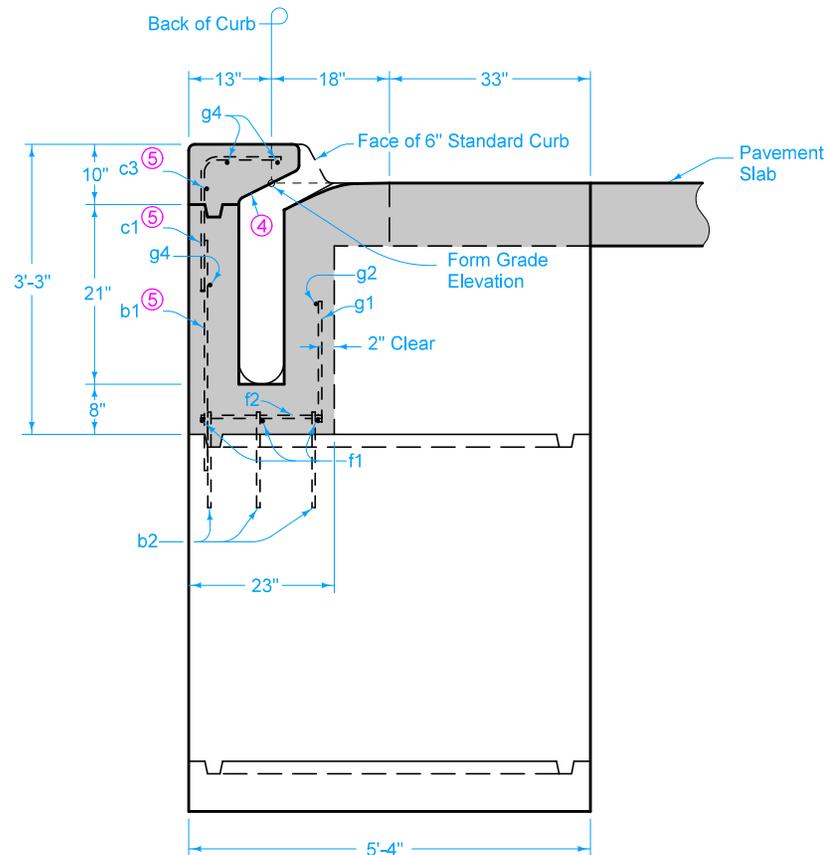
<p style="font-size: 24px; font-weight: bold; margin-top: 10px;">STANDARD ROAD PLAN</p>	REVISION
	2   04-17-18
	SW-542
SHEET 1 of 4	
REVISIONS: Modified general notes and circle notes. Added details for 4 inch sloped curb. Modified Reinforcing Bar List. Added detail for bar g5.	
<p style="font-size: 8px;">APPROVED BY DESIGN METHODS ENGINEER</p>	
<p style="font-weight: bold; margin: 5px 0;">EXTENSION UNIT FOR OPEN-THROAT CURB INTAKE UNDER PAVEMENT</p>	



SECTION A-A



SECTION B-B

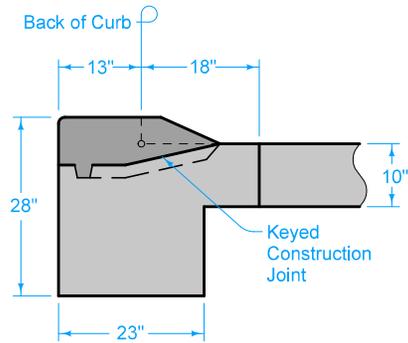


SECTION C-C

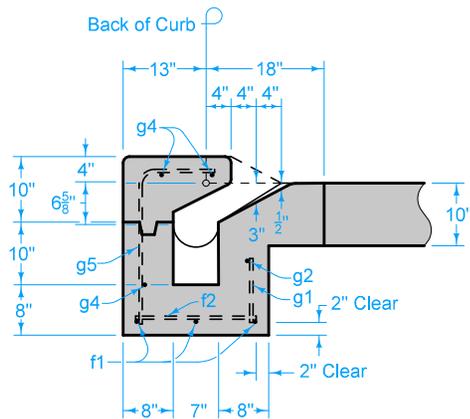
- ④ 2:1 Slope (Horizontal:Vertical)
- ⑤ See SW-541 for reinforcing.

6 INCH STANDARD CURB

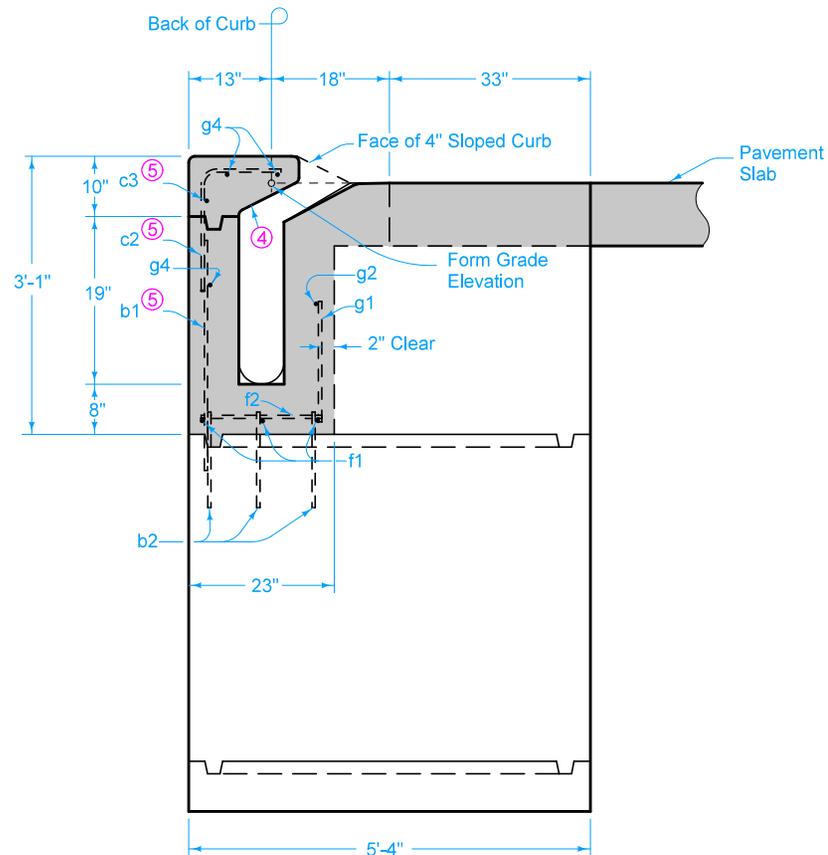
	REVISION
	2   04-17-18
STANDARD ROAD PLAN	SW-542
SHEET 2 of 4	
<small>REVISIONS: Modified general notes and circle notes. Added details for 4 inch sloped curb. Modified Reinforcing Bar List. Added detail for bar g5.</small>	
APPROVED BY DESIGN METHODS ENGINEER	
<b>EXTENSION UNIT FOR OPEN-THROAT CURB INTAKE UNDER PAVEMENT</b>	



SECTION A-A



SECTION B-B

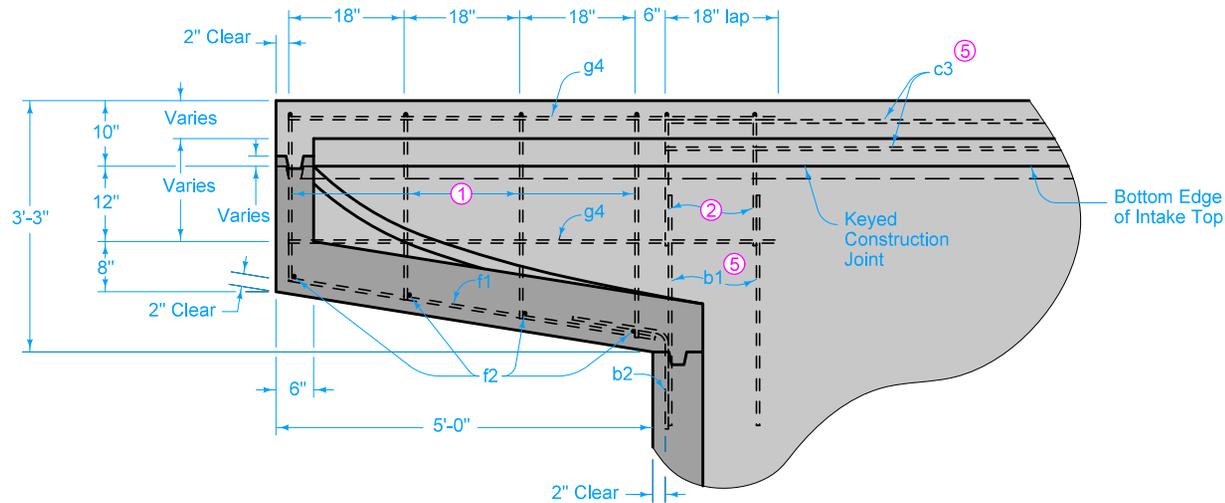


SECTION C-C

- ④ 2:1 Slope (Horizontal:Vertical)
- ⑤ See SW-541 for reinforcing.

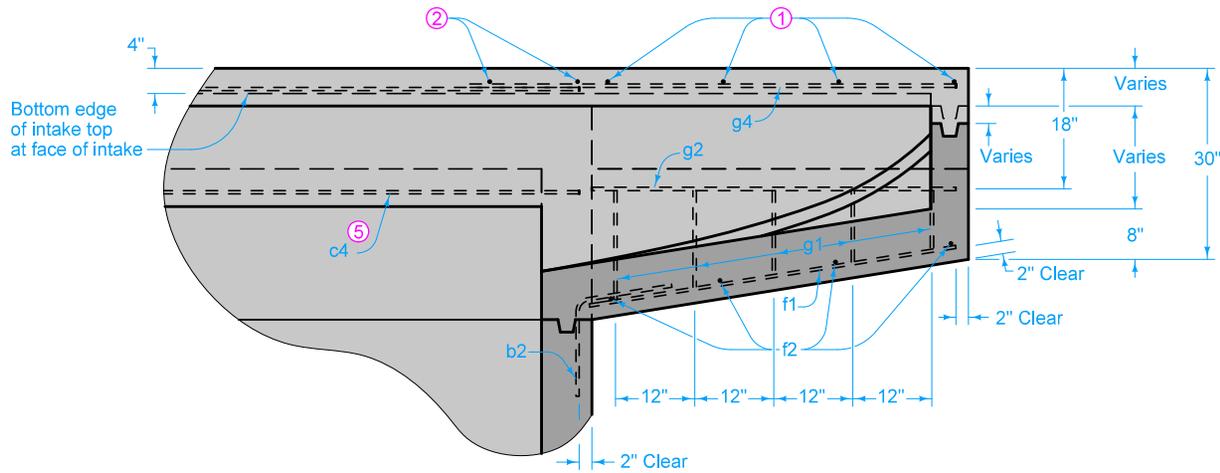
4 INCH SLOPED CURB

	REVISION	
	2	04-17-18
STANDARD ROAD PLAN	SW-542	
	SHEET 3 of 4	
<small>REVISIONS: Modified general notes and circle notes. Added details for 4 inch sloped curb. Modified Reinforcing Bar List. Added detail for bar g5.</small>		
<small>APPROVED BY DESIGN METHODS ENGINEER</small>		
<b>EXTENSION UNIT FOR OPEN-THROAT CURB INTAKE UNDER PAVEMENT</b>		



SECTION D-D

- ① g3 for 6 inch standard curb; g5 for 4 inch sloped curb.
- ② c1 for 6 inch standard curb; c2 for 4 inch sloped curb. See SW-541 for reinforcing.
- ⑤ See SW-541 for reinforcing.



SECTION E-E

 <b>STANDARD ROAD PLAN</b>	REVISION 2   04-17-18
	<b>SW-542</b>
SHEET 4 of 4	
REVISIONS: Modified general notes and circle notes. Added details for 4 inch sloped curb. Modified Reinforcing Bar List. Added detail for bar g5.	
 APPROVED BY DESIGN METHODS ENGINEER	
<b>EXTENSION UNIT FOR OPEN-THROAT CURB INTAKE UNDER PAVEMENT</b>	