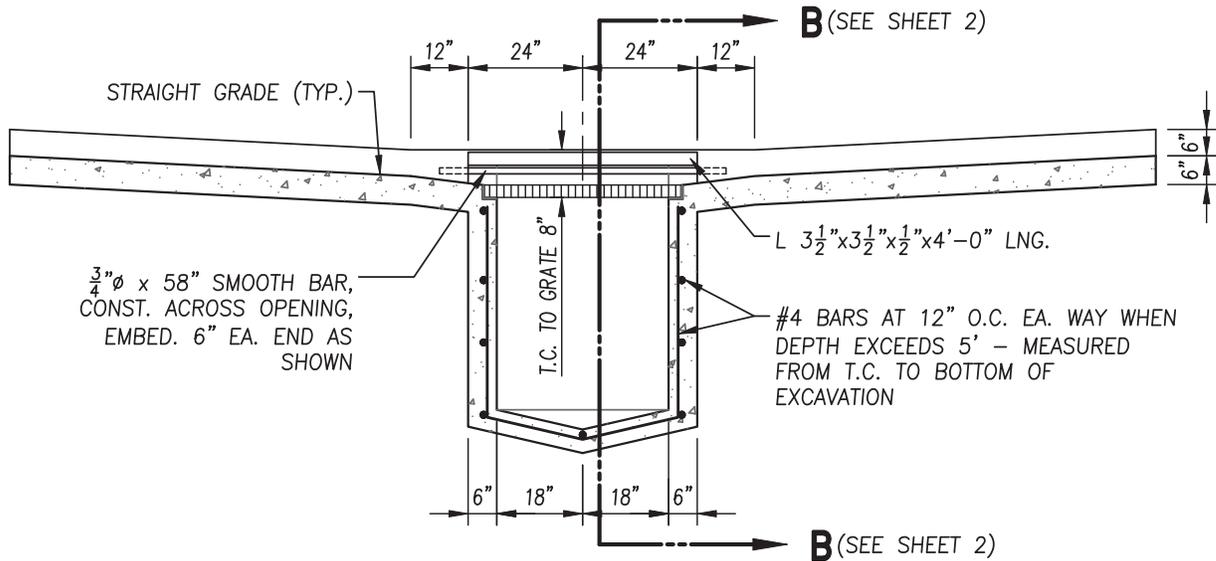


**PLAN**



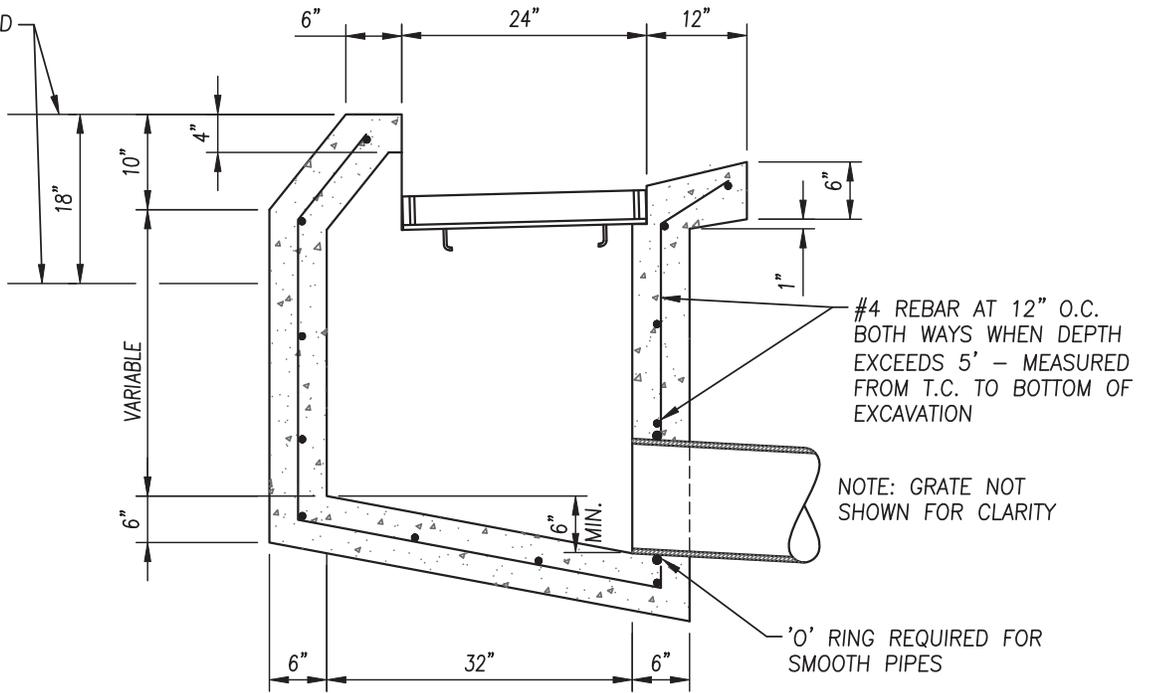
**SECTION A-A**

**NOTES:**

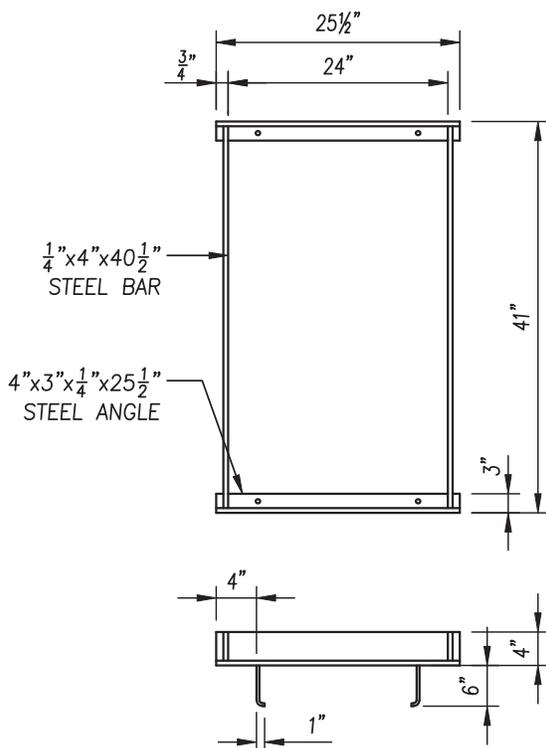
1. ALL METALS USED EXCEPT CASTINGS AND REINFORCING STEEL SHALL BE STRUCTURAL GRADE STEEL OR BETTER, AND SHALL BE HOT-DIPPED GALVANIZED AFTER FABRICATION. AFTER INSTALLATION, ALL ABRASED SURFACES SHALL BE NEATLY SOLDERED OVER WITH 50-50 SOLDER.
2. CLASS "2" CONCRETE SHALL BE USED FOR ALL STRUCTURES.
3. MINIMUM CLEAR SPACING BETWEEN SURFACES OF CONCRETE AND REINFORCING STEEL SHALL BE 1/2".
4. POSITION OF CONDUIT LEAVING INLET TO BE AS INDICATED ON PLANS AND INLET FLOOR TO SLOPE TOWARD CONDUIT. WHERE TWO OR MORE CONDUITS ENTER AN INLET, THE FLOOR SHALL HAVE CHANNEL CONNECTING THE CONDUITS.
5. FRAME AND GRATE SHALL BE MATCH-MARKED AND FITTED WITHOUT ROCKING.
6. STORM DRAIN MARKER PLACED ON TOP OF CURB SHALL BE BY "BERNTSEN" OR APPROVED EQUIVALENT AND SHALL READ "ONLY RAIN DOWN THE STORM DRAIN". MARKER SHALL BE ADHERED PER THE MFG'S RECOMMENDATIONS.

REVISIONS	DATE		CITY OF TULARE PUBLIC IMPROVEMENT STANDARD	
			STORM WATER DROP INLET	DRAWING NO.:
			Approved By:	
			Date: 1/1/16	City Engineer
				1 OF 2

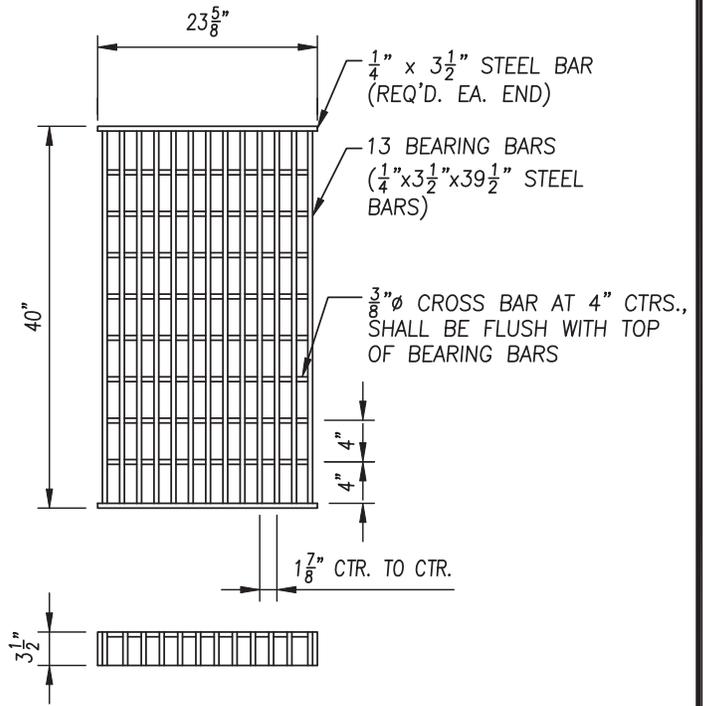
REBAR TO BE INSTALLED REGARDLESS OF DEPTH OF INLET



**SECTION B-B**

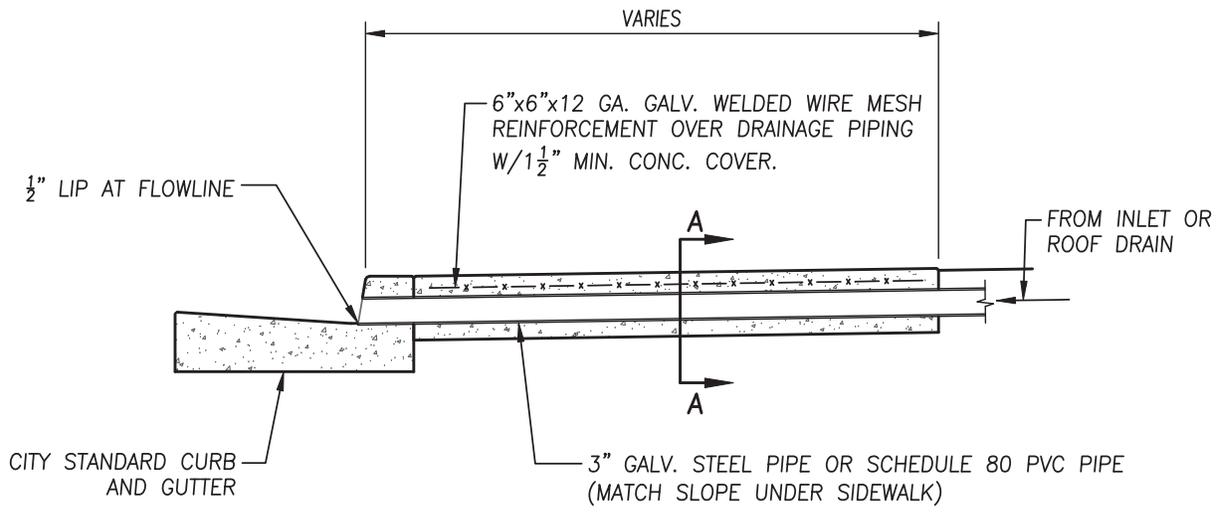


**FRAME**

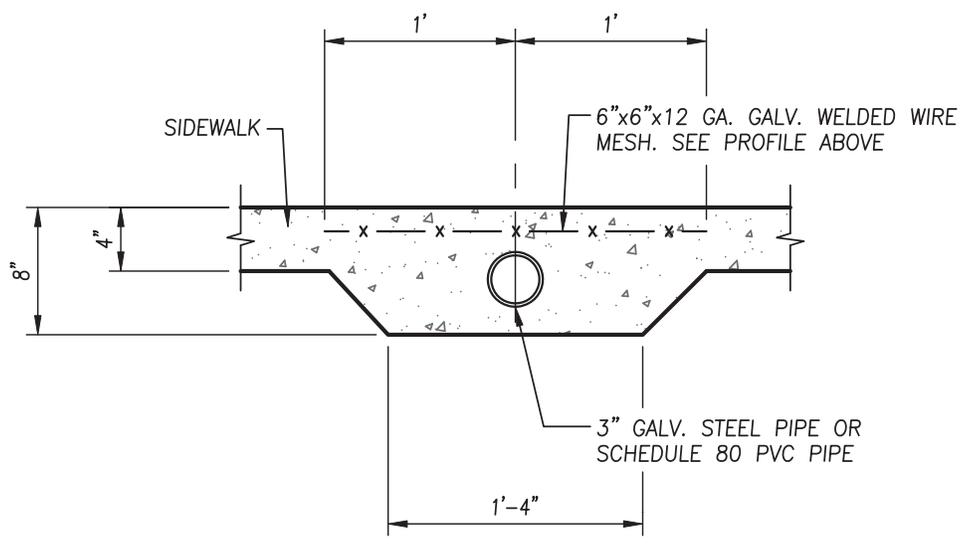


**GRATE**

REVISIONS	DATE		CITY OF TULARE PUBLIC IMPROVEMENT STANDARD		
			STORM WATER DROP INLET	DRAWING NO.:	
				3110	
				Approved By: _____	2 OF 2
				Date: 1/1/16 City Engineer	

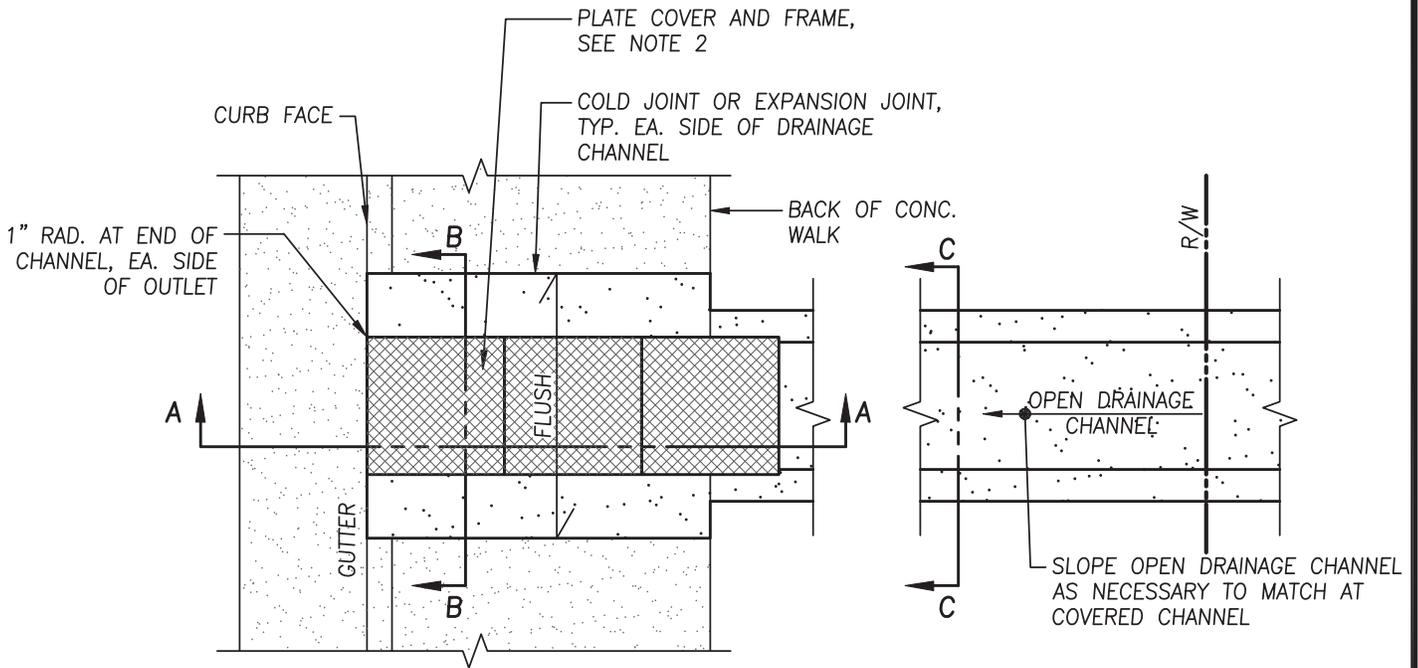


PROFILE VIEW

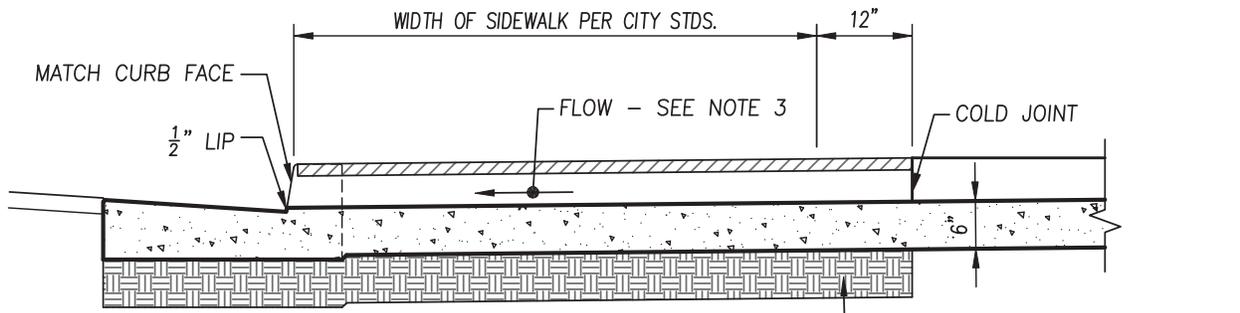


SECTION A-A

REVISIONS     	DATE		CITY OF TULARE PUBLIC IMPROVEMENT STANDARD		
			EMBEDDED DRAINAGE PIPING UNDER SIDEWALK	DRAWING NO.:  <b>3210</b>	
			Approved By: _____ Date: 1/1/16	City Engineer	1 OF 1



**PLAN VIEW**



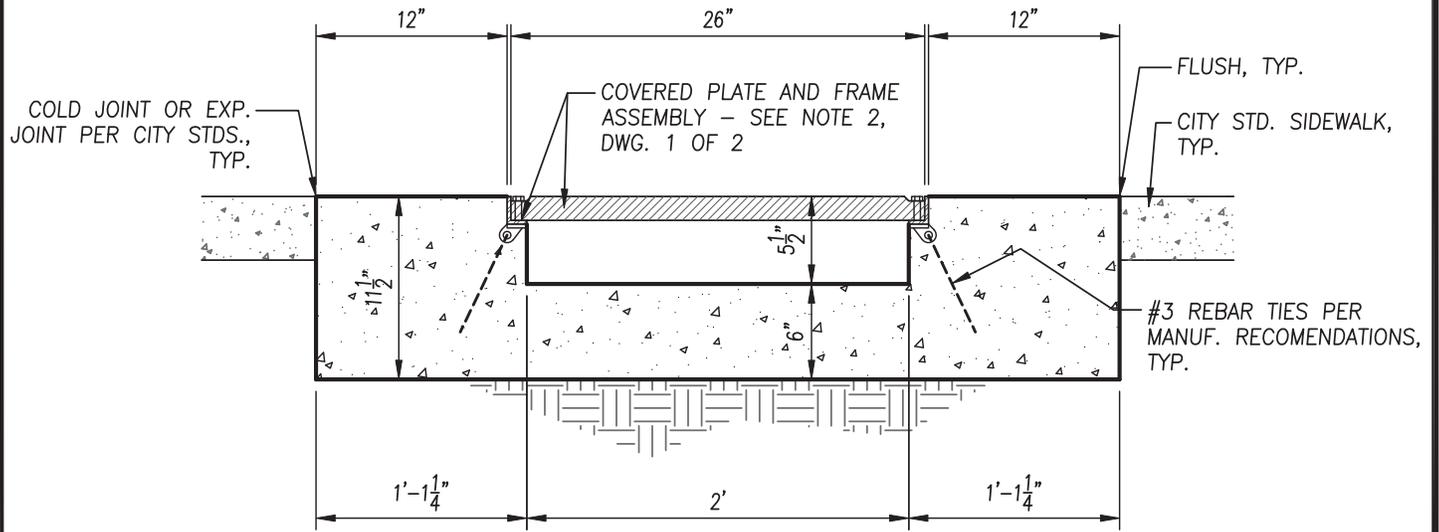
**SECTION A-A**

CHANNELS SHALL BE PLACED ON COMPACTED SUBGRADE MATERIALS (95% RELATIVE COMPACTION).

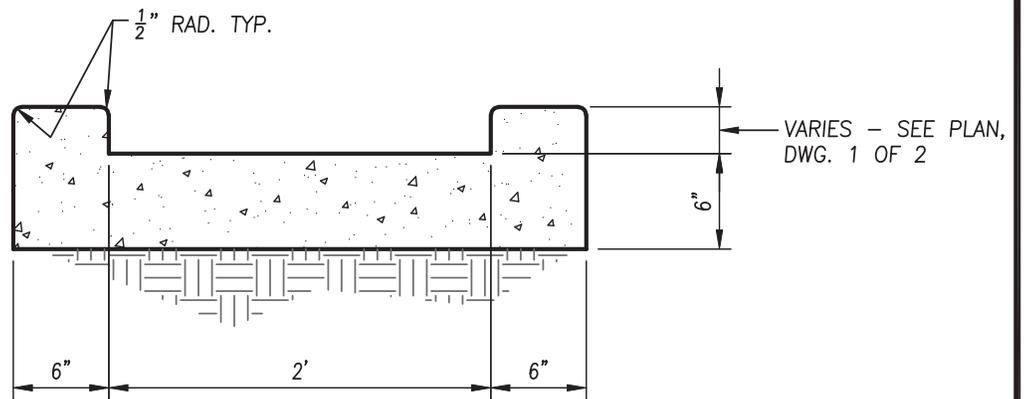
**NOTES:**

1. SEE SHEET 2 OF 2 FOR ADDITIONAL INFORMATION.
2. FRAME AND COVERS SHALL BE "NEENAH" R-4999, TYPE D, SOLID TOP BOLTED WITH PERMA-GRIP SURFACE OR APPROVED EQUAL. THERE SHALL BE A 1/8" SPACE BETWEEN THE FRAME AND THE LID. INSTALL FRAME AND COVERS IN ACCORDANCE WITH MANUFACTURER'S RECOMMENDATIONS WITH THE EXCEPTION OF REBAR. THE ONLY REBAR REQUIRED FOR THIS INSTALLATION ARE THE #3 FRAME ANCHOR TIE BARS. SIDEWALK, FRAME AND COVER SHALL BE FLUSH WHEN COMPLETE.
3. COVERED CHANNEL SLOPE SHALL BE NO LESS THAN 1.0% AND NO MORE THAN 2.0% AND SHALL BE PARALLEL WITH SIDEWALK SURFACE CROSS SLOPE.
4. ROUND ALL EXPOSED CONCRETE CORNERS WITH 1/2" RADIUS TYPICAL.
5. HEIGHT VARIES TO MATCH UP WITH COVERED SIDEWALK UNDERDRAIN CHANNEL AND PROVIDE POSITIVE FLOW TO STREET.
6. ALL CONCRETE SHALL BE CLASS 2. ALL CONCRETE WORK SHALL HAVE A LIGHT BROOM FINISH. WEAKENED PLANE JOINTS SHALL BE CONSTRUCTED AT 16' CTR'S. AND SHALL BE FINISHED WITH A SCORING TOOL LEAVING EDGES ROUNDED.

<table border="1" style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th style="width: 70%;">REVISIONS</th> <th style="width: 30%;">DATE</th> </tr> </thead> <tbody> <tr><td> </td><td> </td></tr> <tr><td> </td><td> </td></tr> <tr><td> </td><td> </td></tr> <tr><td> </td><td> </td></tr> </tbody> </table>	REVISIONS	DATE										<p><b>CITY OF TULARE</b> PUBLIC IMPROVEMENT STANDARD</p> <p><b>SIDEWALK UNDERDRAIN WITH COVER PLATES</b></p> <p>Approved By: _____ Date: 1/1/16 City Engineer</p>	<p>DRAWING NO.:</p> <p><b>3215</b></p> <p>1 OF 2</p>
REVISIONS	DATE												

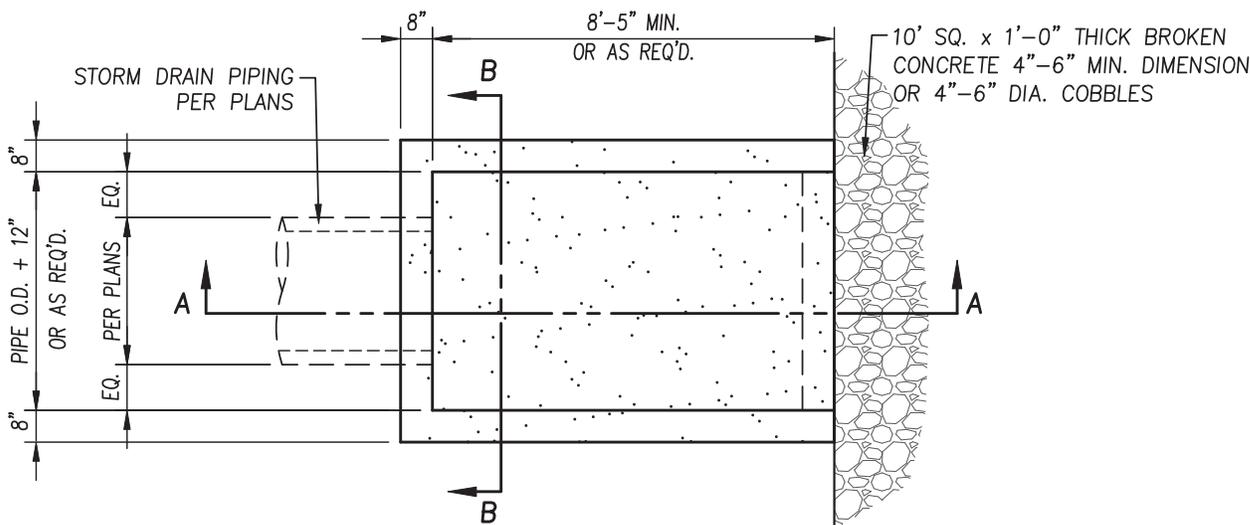


**SECTION B-B**

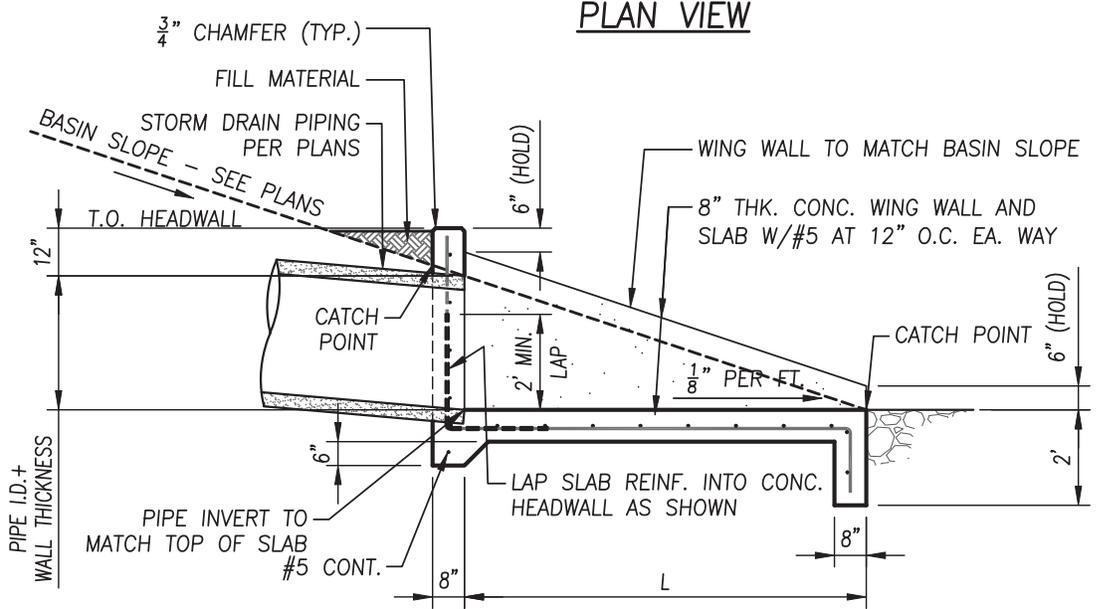


**SECTION C-C**

REVISIONS	DATE		CITY OF TULARE PUBLIC IMPROVEMENT STANDARD		
			SIDEWALK UNDERDRAIN WITH COVER PLATES	DRAWING NO.:	
			Approved By: _____ Date: 1/1/16	<b>3215</b>	
			City Engineer	2 OF 2	

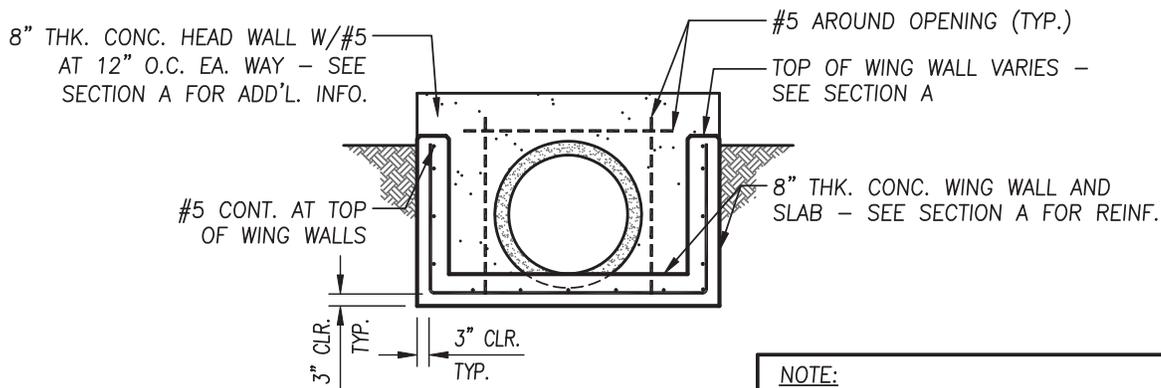


**PLAN VIEW**



$L = [\text{PIPE I.D.} + \text{PIPE WALL THICKNESS}] \times [\text{BASIN SLOPE (H:V)}]$

**SECTION A**



**SECTION B**

**NOTE:**  
GRATE NOT SHOWN FOR CLARITY - SEE DRAWING NO. 3310, SHEET 2 OF 2

REVISIONS	DATE



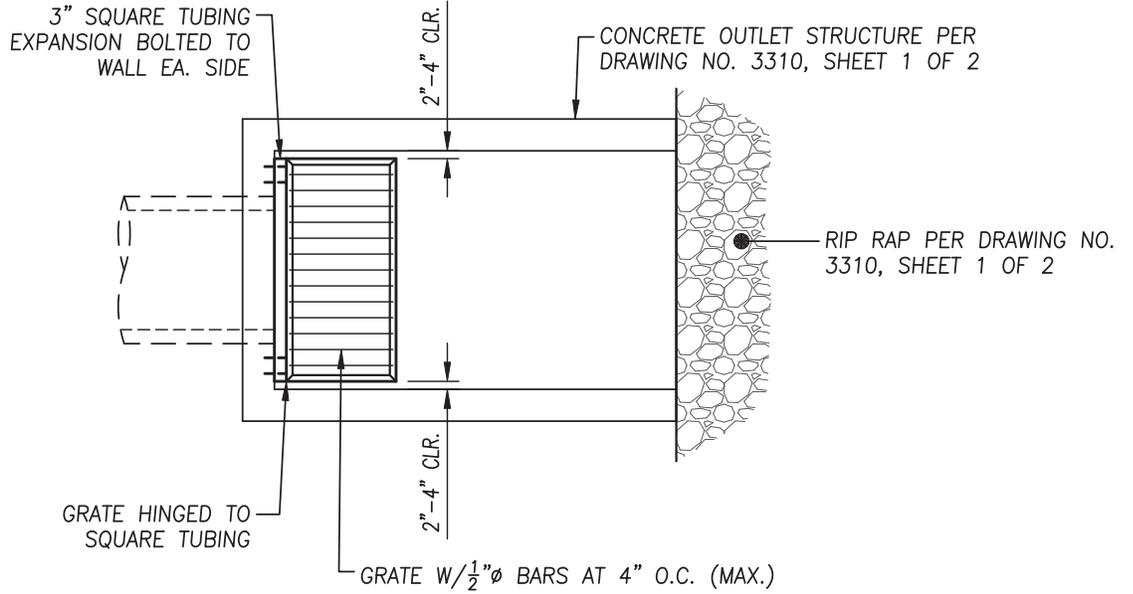
**CITY OF TULARE**  
PUBLIC IMPROVEMENT STANDARD

**CAST-IN-PLACE  
OUTLET STRUCTURE**

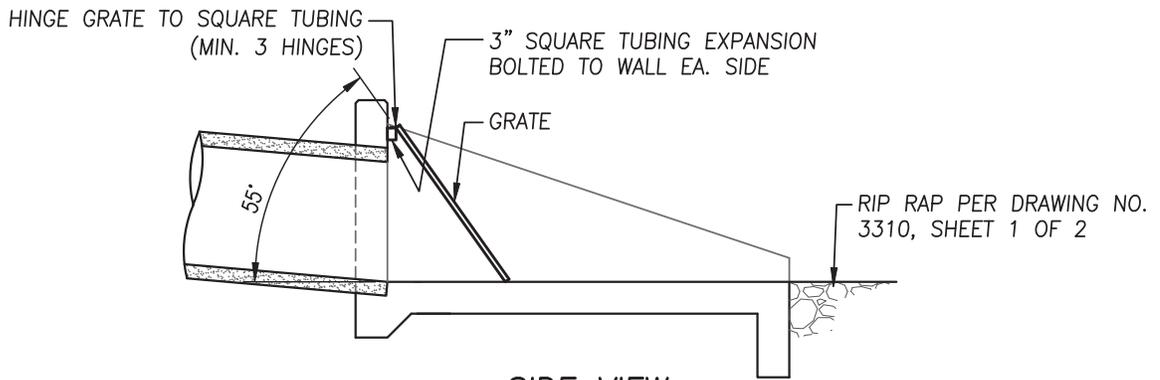
DRAWING NO.:  
**3310**

Approved By: \_\_\_\_\_  
Date: 1/1/16      City Engineer

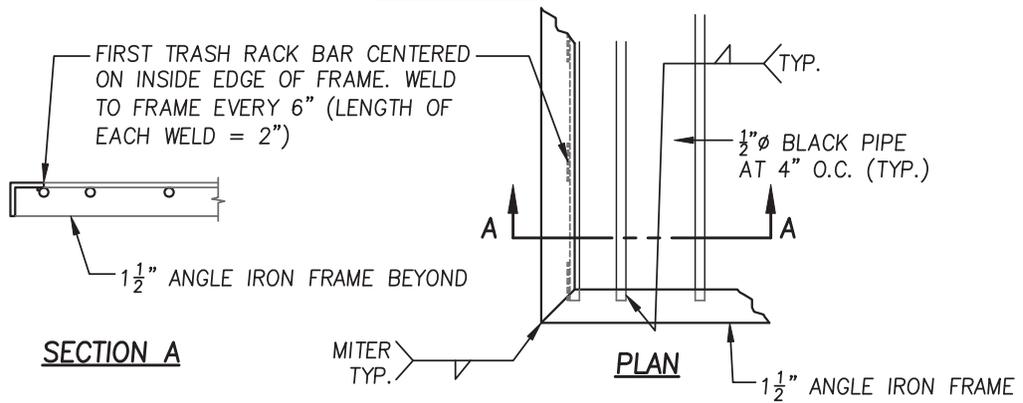
1 OF 2



**PLAN VIEW**



**SIDE VIEW**



**GRATE CONSTRUCTION**

**NOTE:**  
 PAINT GRATE WITH (3) COATS OF INDUSTRIAL STRENGTH BLACK PAINT. GRATE SHALL BE CLEAN AND FREE OF RUST PRIOR TO PAINT APPLICATION.

REVISIONS	DATE



**CITY OF TULARE**  
 PUBLIC IMPROVEMENT STANDARD

**CAST-IN-PLACE  
 OUTLET STRUCTURE**

DRAWING NO.:  
**3310**

Approved By: \_\_\_\_\_  
 Date: 1/1/16 City Engineer

2 OF 2