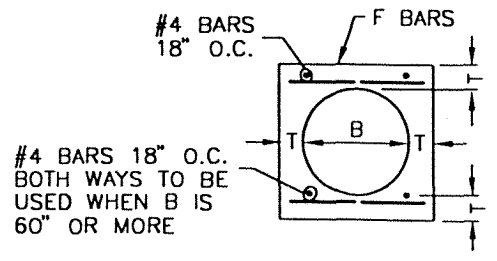


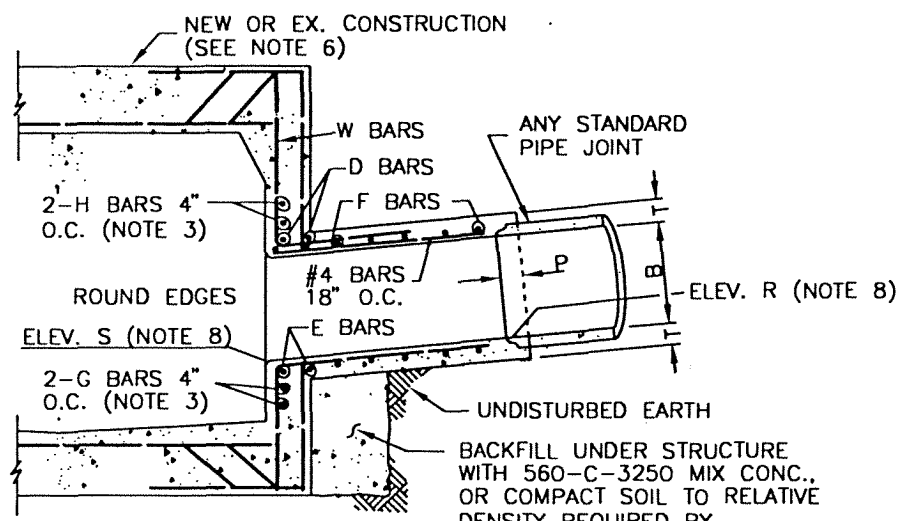
PLAN



SECTION G-G

TABLE
FOR DIMENSIONS & BAR SIZES

B (INCHES)	T (INCHES)	D, E, H & G BARS	F BARS
12	5	#5	#4 @ 6" O.C.
15	5		
18	5		
21	5		
24	5½		
27	5½		
30	6		
33	6¼	#6	#5 @ 6" O.C.
36	6½		
39	7		
42	7½		
45	7¾		
48	8		
51	8½		
54	9	#7	#5 @ 6" O.C.
57	9¼		
60	9½		
63	10		
66	10¼		
69	10¾		
72	11		
78	11¾		
84	12½		
90	13¼		
96	14		
102	15½		
108	16		
114	16½		
120	17		
126	17		
132	17½		
138	17½		
144	18		



SECTION P-P

REV.	APPR. BY	DATE

REV.	APPR. BY	DATE

	CITY OF		JUNCTION STRUCTURE No. 4		STANDARD PLAN 2002
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NOTES:

1. VALUES FOR A, B AND C SHALL BE SHOWN ON THE PROJECT PLANS. ELEVATION R AND ELEVATION S SHALL BE SHOWN WHEN REQUIRED PER NOTE 8.
2. STATIONS SPECIFIED ON THE PROJECT PLANS APPLY AT THE INTERSECTION OF CENTER LINES OF MAIN LINE AND LATERALS, EXCEPT THAT STATIONS FOR CATCH BASIN CONNECTOR PIPES APPLY AT INSIDE WALL OF STRUCTURE.
3. REINFORCING STEEL SHALL CONFORM TO ASTM A 615, GRADE 40 AND SHALL TERMINATE 1½" CLEAR OF CONCRETE SURFACE UNLESS OTHERWISE SHOWN.
 - A. W BARS ARE OF SIZE AND SPACING SPECIFIED FOR WALL STEEL ON PROJECT PLANS, AND SHALL BE CUT IN CENTER OF OPENING AND BENT INTO TOP AND BOTTOM OF JUNCTION STRUCTURE.
 - B. OMIT H BARS WHEN SOFFIT OF SPUR IS 12" OR LESS BELOW SOFFIT OF MAIN LINE AND OMIT G BARS WHEN INVERT OF SPUR IS 12" OR LESS ABOVE FLOOR OF MAIN LINE.
4. JUNCTION STRUCTURE SHALL BE POURED MONOLITHICALLY WITH MAIN LINE, MANHOLE OR TRANSITION STRUCTURE.
5. FLOOR OF STRUCTURE SHALL BE STEEL-TROWELED TO THE SPRING LINE.
6. WHEN CONNECTING TO EXISTING R.C.B., BREAKOUT LIMITS AND DETAILS SHALL BE SHOWN ON THE PROJECT PLANS.
7. EMBEDMENT, P, SHALL BE 5" FOR B = 96" OR LESS 8" FOR B OVER 96".
8. IF ELEVATION R AND ELEVATION S ARE NOT SHOWN ON THE PROJECT PLANS THEN THE INLET OPENING SHALL FALL 6" BELOW THE SOFFIT OF THE MAIN LINE WITH INLET PIPE LAID ON A STRAIGHT GRADE FROM MAIN LINE TO CATCH BASIN OR TO GRADE BREAK IN INLET LINE. ELEVATION S SHALL BE SHOWN ON THE PROJECT PLANS IF THE INLET OPENING FALLS MORE THAN 6" BELOW THE SOFFIT OF THE MAIN LINE WITH THE INLET PIPE LAID ON A STRAIGHT GRADE AS STATED ABOVE. ELEVATION R SHALL BE SHOWN ON THE PROJECT PLANS ONLY WHEN A STUB IS TO BE PROVIDED FOR A FUTURE CONNECTION.
9. LATERALS OR CONNECTOR PIPES 24" OR LESS IN DIAMETER SHALL BE NO MORE THAN 5' ABOVE THE INVERT. LATERALS OR CONNECTOR PIPES 27" OR LARGER IN DIAMETER SHALL BE NO MORE THAN 18" ABOVE THE INVERT, WITH THE EXCEPTION THAT CATCH BASIN CONNECTOR PIPES LESS THAN 50' IN LENGTH SHALL NOT BE MORE THAN 5' ABOVE THE INVERT.
10. THE NEED FOR AN EDGE BEAM AND OR ADDITIONAL REINFORCEMENT SHALL BE INVESTIGATED BY THE ENGINEER FOR ANY ONE OF THE FOLLOWING CONDITIONS:
 - A. ANGLE A IS LESS THAN 30°.
 - B. TOP OF INLET PIPE IS LESS THAN 6" BELOW THE SOFFIT.
 - C. FLOW LINE OF INLET PIPE IS LESS THAN 7" ABOVE THE FLOOR OF THE R.C.B. AT THE INSIDE FACE.

REV.	APPR.	BY	DATE

REV.	APPR.	BY	DATE

 <p>CITY OF Oxnard</p>	JUNCTION STRUCTURE No. 4		STANDARD PLAN 2002
	DRAWN: STAFF	CKD.: STAFF	 APPR. Granville M. Bowman
Department of Public Works			PLATE 524
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