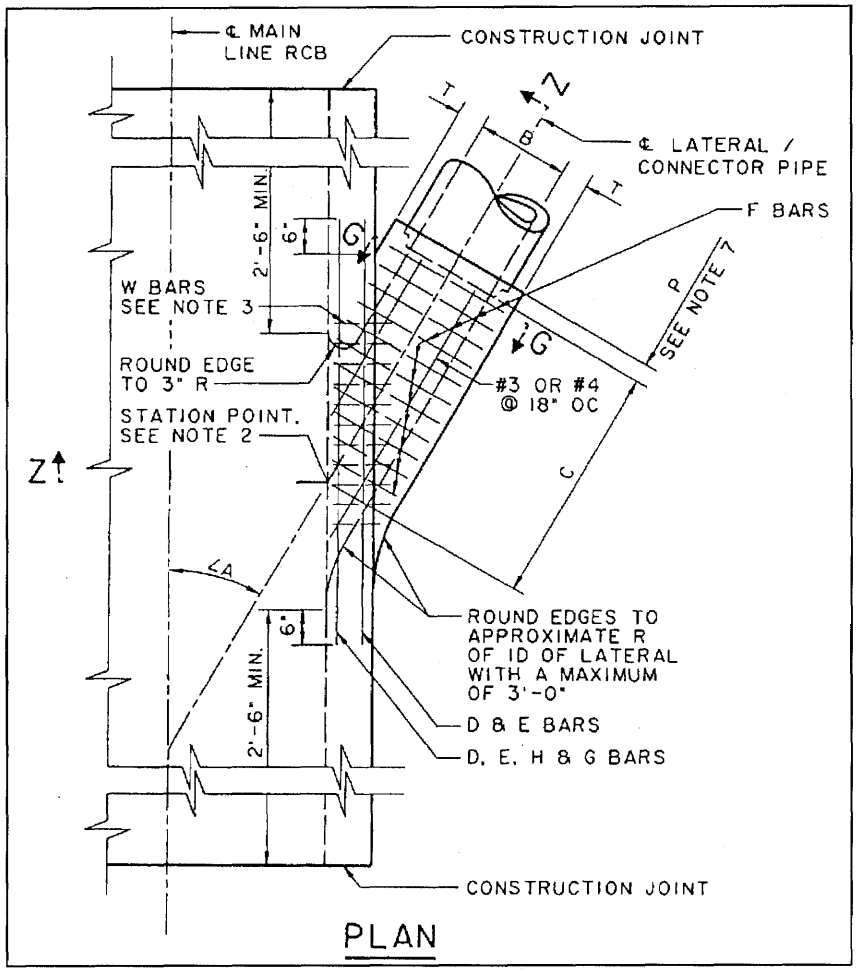
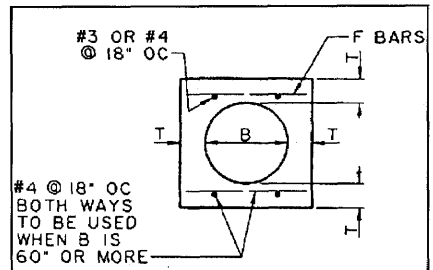
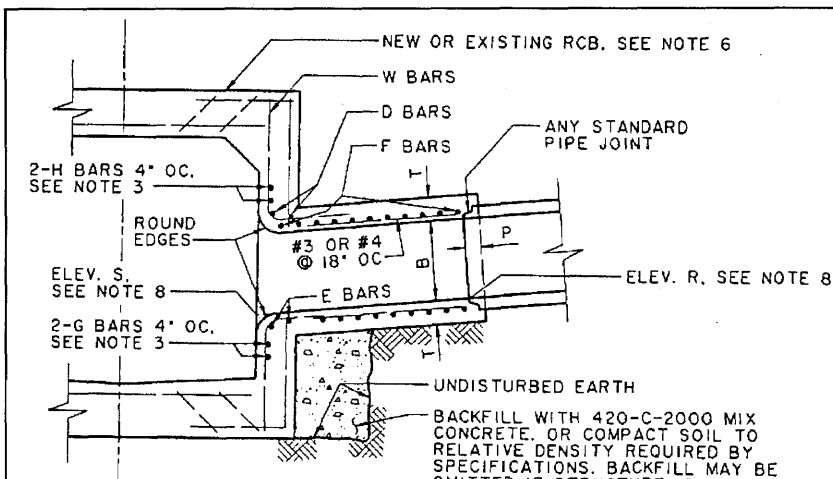




SECTION G-G

B (INCHES)	T (INCHES)	D,E,H & G BARS	F BARS
12	5	#5	#4 @ 6" OC
15	5		
18	5		
21	5		
24	5 1/4		
27	5 1/2		
30	6		
33	6 1/4		
36	6 1/2		
39	7		
42	7 1/2	#6	#5 @ 6" OC
45	7 3/4		
48	8		
51	8 1/2		
54	9		
57	9 1/4		
60	9 1/2		
63	10		
66	10 1/4		
69	10 3/4		
72	11		
78	11 3/4		
84	12 1/2		
90	13 1/4	#7	#6 @ 6" OC
96	14		
102	15 1/2		
108	16		
114	16 1/2		
120	17		
126	17		
132	17 1/2		
138	17 1/2		
144	18		



SECTION Z-Z

A.P.W.A. STD. No. 333-0

REVISIONS:

APPROVED 08/21/01

CHRIS A. VOGT
CITY ENGINEER
RCE 44250

City of La Quinta

JUNCTION STRUCTURE-PIPE TO RCB

STANDARD

352

SHEET 1 OF 2

NOTES

1. VALUES FOR A, B AND C SHALL BE SHOWN ON THE PROJECT DRAWINGS. ELEVATION R AND ELEVATION S SHALL BE SHOWN WHEN REQUIRED PER NOTE 8.

2. STATIONS SPECIFIED ON THE PROJECT DRAWINGS 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 1 1/2" CLEAR OF CONCRETE SURFACES UNLESS OTHERWISE SHOWN.

   a. W BARS ARE OF SIZE AND SPACING SPECIFIED FOR WALL STEEL ON PROJECT DRAWINGS, 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 RCB, BREAKOUT LIMITS AND DETAILS SHALL BE SHOWN ON THE PROJECT DRAWINGS.

7. EMBEDMENT, P, SHALL BE 5" FOR B = 96" OR LESS AND 8" FOR B OVER 96".

8. IF ELEVATION R AND ELEVATION S ARE NOT SHOWN ON THE PROJECT DRAWINGS THEN THE INLET OPENING SHALL FALL 6" BELOW THE SOFFIT OF THE MAIN LINE WITH THE 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 DRAWINGS 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 DRAWINGS 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 RCB AT THE INSIDE FACE

A.P.W.A. STD. No. 333-0

REVISIONS:

APPROVED 08/21/01 CHRIS A. VOGT CITY ENGINEER RCE 44250	City of La Quinta **JUNCTION STRUCTURE-PIPE TO RCB**	STANDARD 352 SHEET 2 OF 2