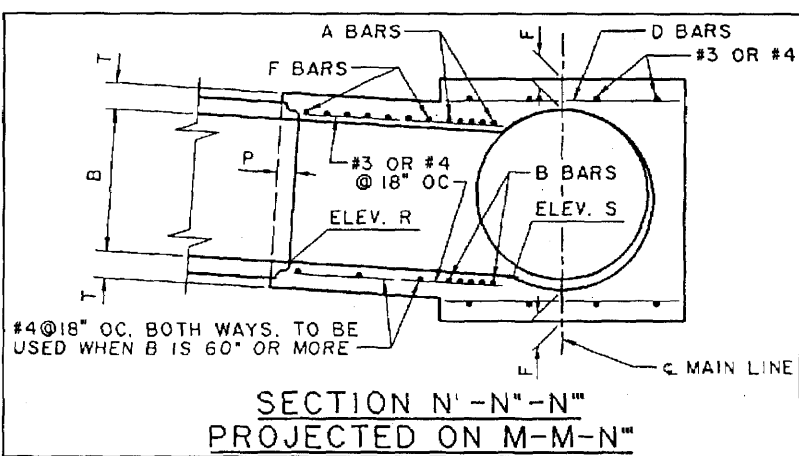
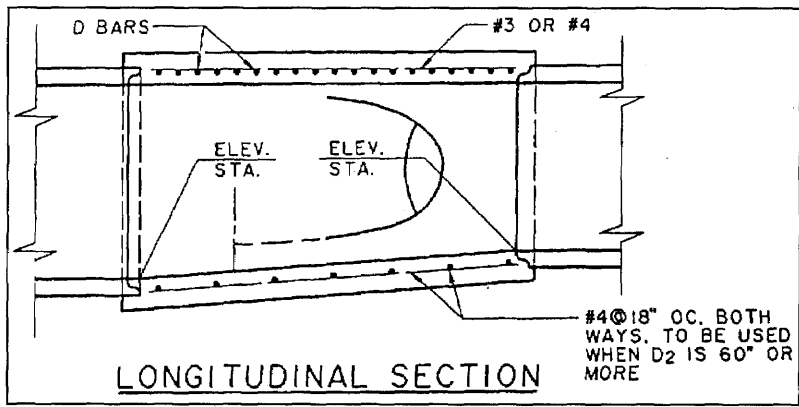
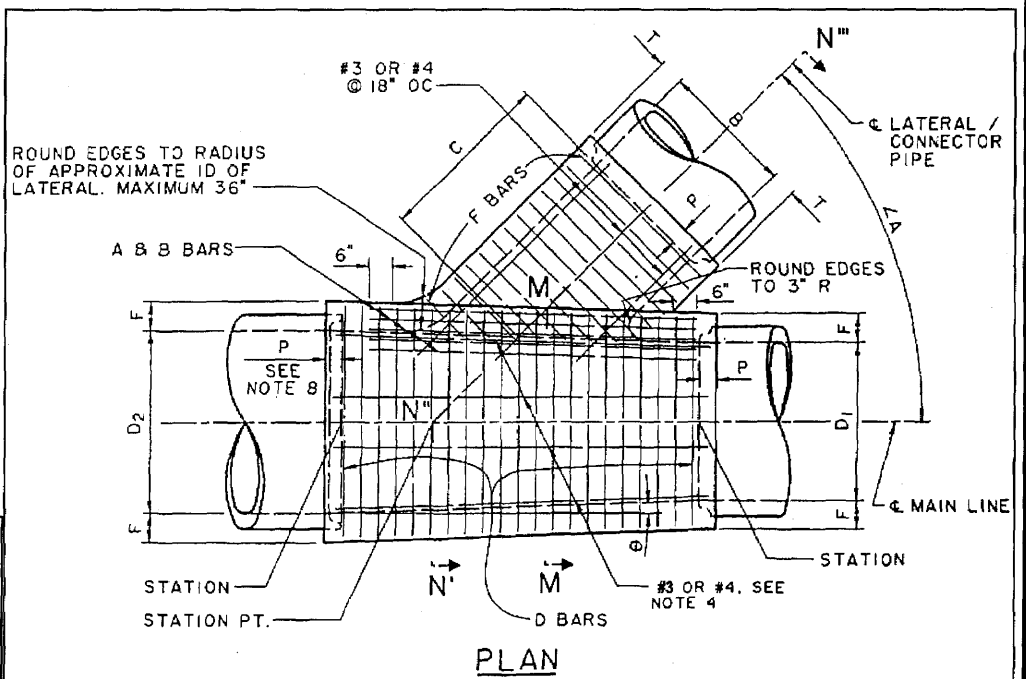


A.P.W.A. STD. No. 340-0

TABLE		FOR DIMENSIONS AND BAR SIZES		
D ₂ OR B	F OR T	A OR B BARS	D OR F BARS	P (RCP)
(INCHES)	(INCHES)			
12	4			
15	4 1/4			
18	4 1/2			
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			
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			
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			



REVISIONS:

APPROVED
08/21/01

CHRIS A. VOGT
CITY ENGINEER
RCE 44250



City of La Quinta

TRANSITION STRUCTURE PIPE TO PIPE

STANDARD

354


SHEET 1 OF 2

NOTES

1. THE HORIZONTAL ANGLE OF CONVERGENCE OR DIVERGENCE, θ , SHALL NOT EXCEED $5^{\circ}45'$.
2. VALUES FOR A, B, C, D₁ AND D₂ ARE SHOWN ON THE PROJECT DRAWINGS. ELEVATION R AND ELEVATION S ARE SHOWN WHEN REQUIRED BY NOTE 10.
3. FLOOR OF STRUCTURE SHALL BE STEEL TROWELED TO SPRING LINE.
4. REINFORCEMENT STEEL SHALL CONFORM TO ASTM A 615, GRADE 40, AND SHALL TERMINATE 1 1/2" CLEAR OF CONCRETE SURFACES UNLESS OTHERWISE SHOWN. LONGITUDINAL BARS SHALL BE #3 OR #4 SPACED 18" OC OR LESS.
5. ELEVATION S APPLIES AT INSIDE WALL OF STRUCTURE.
6. TRANSITION STRUCTURE SHALL BE POURED IN ONE CONTINUOUS OPERATION, EXCEPT THAT THE CONTRACTOR SHALL HAVE THE OPTION OF PLACING AT THE SPRING LINE A CONSTRUCTION JOINT LONGITUDINAL KEYWAY.
7. THE LENGTH OF THE STRUCTURE MAY BE INCREASED AT THE OPTION OF THE CONTRACTOR TO MEET RCP ENDS, USING D BARS. LONGITUDINAL AND BOTTOM REINFORCEMENT IN EXTENDED PORTION OF SAME DIAMETER AND SPACING AS SPECIFIED IN THE TABLE, BUT ANY CHANGE IN THE LOCATION OF SPUR MUST BE APPROVED BY THE ENGINEER.
8. EMBEDMENT P SHALL BE AS SPECIFIED IN THE TABLE, UNLESS OTHERWISE SHOWN ON THE PROJECT DRAWINGS.
9. WHEN THERE IS NO SPUR REQUIRED, A & B BARS SHALL BE OMITTED.
10. WHEN ELEVATION R AND ELEVATION S ARE NOT SHOWN ON PROJECT DRAWINGS, INLET PIPE SHALL ENTER MAIN LINE RADially. WHEN INLET PIPE ENTERS MAIN LINE OTHER THAN RADially, ELEVATION S SHALL BE SHOWN ON PROJECT DRAWINGS, AND INLET PIPE SHALL BE LAID ON A STRAIGHT GRADE FROM ELEVATION S TO CATCH BASIN OR GRADE BREAK IN INLET LINE. ELEVATION R SHALL BE SHOWN ON PROJECT DRAWINGS ONLY WHEN STUB IS TO BE PROVIDED IN MAIN LINE FOR FUTURE CONSTRUCTION OF INLET PIPE.
11. THE MAXIMUM COVER ABOVE THIS STRUCTURE SHALL BE 25'. IF THE COVER EXCEEDS 25' A SPECIAL STRUCTURE SHALL BE DESIGNED FOR THE COVER AND DETAILED ON THE PROJECT DRAWINGS.

A.P.W.A. STD. No. 340-0

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TRANSITION STRUCTURE PIPE TO PIPE		SHEET 2 OF 2