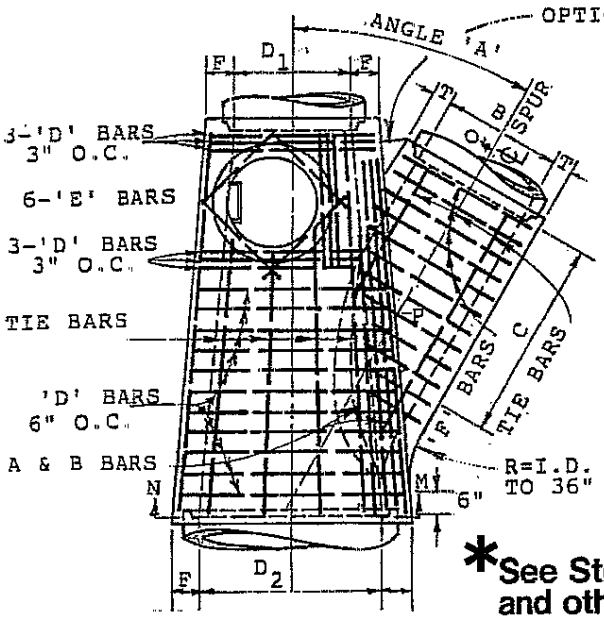
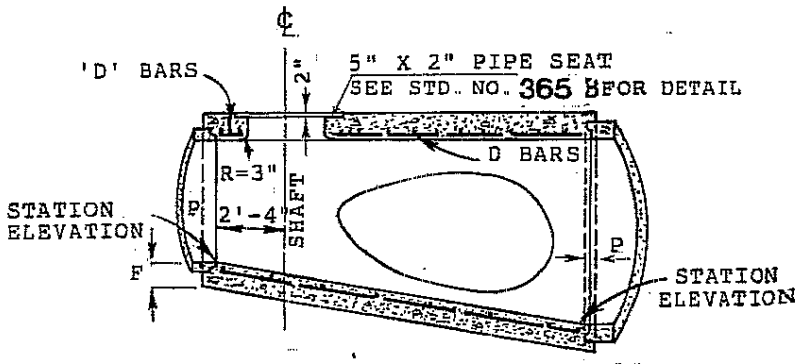
3-#4 'J' BARS, 4'-8" LONG, 3" O.C.
CONTINUE ADDITIONAL BARS 6" O.C.
TO INSIDE EDGE OF MANHOLE.



PLAN

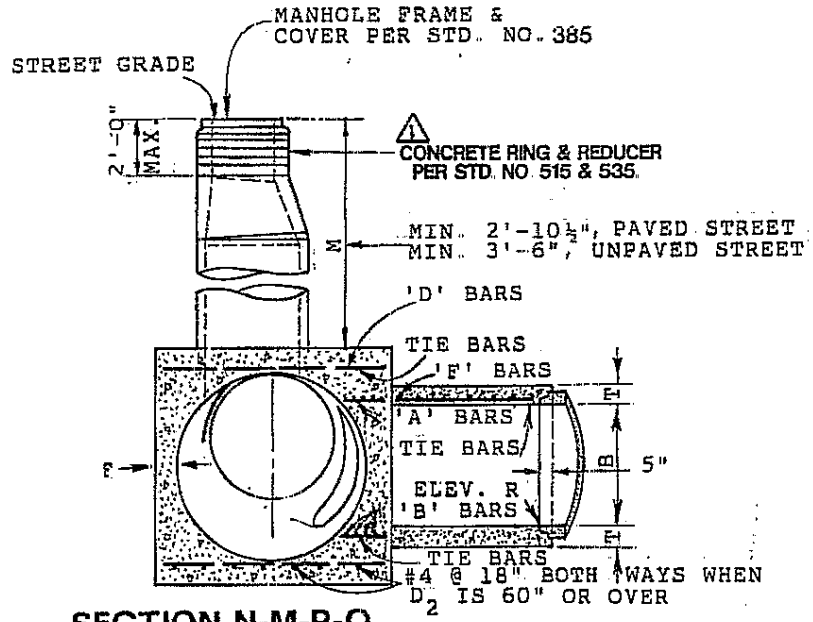
SHAFT NOT SHOWN



LONGITUDINAL SECTION

***See Std. 365 B for notes and other details.**

TABLE OF VALUES FOR F AND T			
D2	F	B	T
36"	8"	24"	5 1/4"
39"	8"	27"	5 1/2"
42"	8"	30"	6"
46"	8"	33"	6 1/4"
48"	8"	36"	6 1/2"
51"	8 1/2"	39"	7"
54"	9"	42"	7 1/2"
57"	9 1/4"	45"	7 3/4"
60"	9 1/2"	48"	8"
63"	10"	51"	8 1/2"
66"	10 1/4"	54"	9"
69"	10 3/4"	57"	9 1/4"
72"	11"	60"	9 1/2"
78"	11 3/4"	63"	10"
84"	12 1/2"	66"	10 1/4"
90"	13 1/4"	69"	10 3/4"
96"	14"	72"	11"



SECTION N-M-P-O

TABLE OF BAR SIZES PROJECTED ON N-M-P-O		
D2 OR B	A&B BARS	D& F BARS
18"- 39"	#5 & 3"	#4 & 6"
42"- 84"	#6 & 3"	#5 & 6"
90"- 96"	#7 & 3"	#6 & 6"

NOTE:

Use Junction Structure No. I when O.D. of B is greater than 1/2 the I.D. of $(D_1+D_2)/2$ or B is greater than 24". B shall not exceed 3/4 of $(D_1+D_2)/2$.

APPROVED Ken Willoughby 1-28-03
CITY ENGINEER DATE

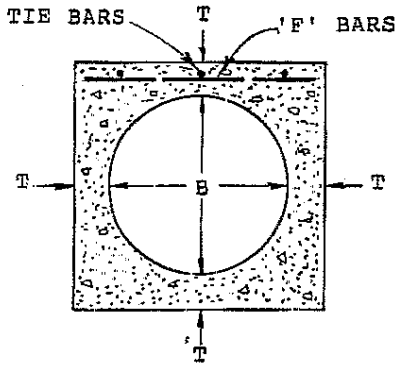
CITY OF CHINO
PUBLIC WORKS DEPARTMENT

DATE	REV	APP'D	BY
1/6/03	⚠ ADDED STD 515 TO NOTE	JAH	G.E.D.

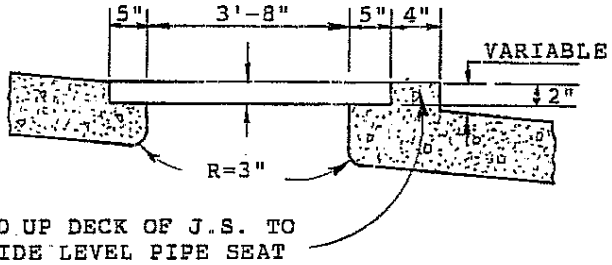
STANDARD DRAWING NO.

JUNCTION STRUCTURE I
INLET PIPES 24" OR LARGER

365 A



SECTION G-G



SHAFT SEAT DETAIL

NOTES:

1. Values for "A", "B", "C", "D1", "D2", elevation "R" and elevation "S" are shown on plans.
2. If laterals enter both sides of junction structure, the access shaft shall be located on the side receiving the smaller lateral.
3. Center of manhole shaft shall be located over the ℄ of the storm drain when D1 is 48" or less, in this case place 4-"E" bars (#4) symmetrically around the shaft at 45° angles with the spur.
4. Length of junction structure may be increased at contractors options to meet pipe ends, but any change in location of the spur must be approved by the City engineer.
5. The station point, as shown on the plans, is defined as the intersection of the ℄ of the main line and the ℄ of the spur.
6. Use "M" of **Std. No. 370A & B** when the depth of the shaft from street grade to the top of the junction structure is less than 2'-10 1/2" for paved streets or 3'-6" for unpaved streets. Construct monolithic shaft as shown on detail "M". Construction of manhole shaft per detail "M" for any depth of manhole is optional. When D1 is 48" or less see note no. 3.
7. Reinforcing steel shall have 1 1/2" clear angle from face of concrete. Tie bars shall be #4 @ 18" max.
8. Embedment "P" shall be 5" for D2 to 96" or less and 8" for D2 over 96".
9. Step shall be 3/4" galvanized steel, and anchored not less than 6" in the walls of the structure. Step spacing shall be 1'-4" with the lowest step not more than 2' above the invert. Approved cast-in-place reinforced polypropylene steps may be used in place of galvanized steel steps.
10. Rings, reducer, and pipe for access shaft shall be seated in 1:2 mortar and neatly pointed or wiped inside the shaft.
11. Floor of junction structure, including spur, shall be constructed in one continuous operation, except that a construction joint at the spring line, with a longitudinal keyway is optional.
12. Body of junction structure, including spur, shall be constructed in one continuous operation, except that a construction joint at the spring line, with a longitudinal keyway is optional.
13. Elevation "S" applies at the ℄ of the mainline on the prolongation of the invert of the spur.
14. Concrete: FC' = 3250 PSI at 28 days.

APPROVED Ray Wellington 1-23-03
CITY ENGINEER DATE

CITY OF CHINO
PUBLIC WORKS DEPARTMENT

DATE	REV	APP'D	BY	STANDARD DRAWING	No.
1/16/03	⚠ CORRECTED NOTE	[illegible]	GED.	JUNCTION STRUCTURE I DETAILS & NOTES	365 B