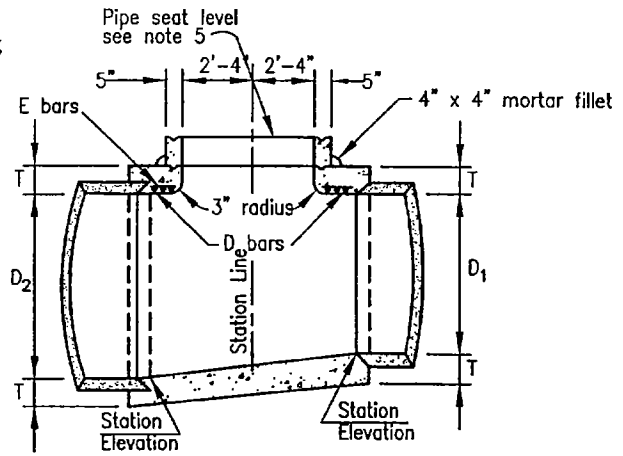
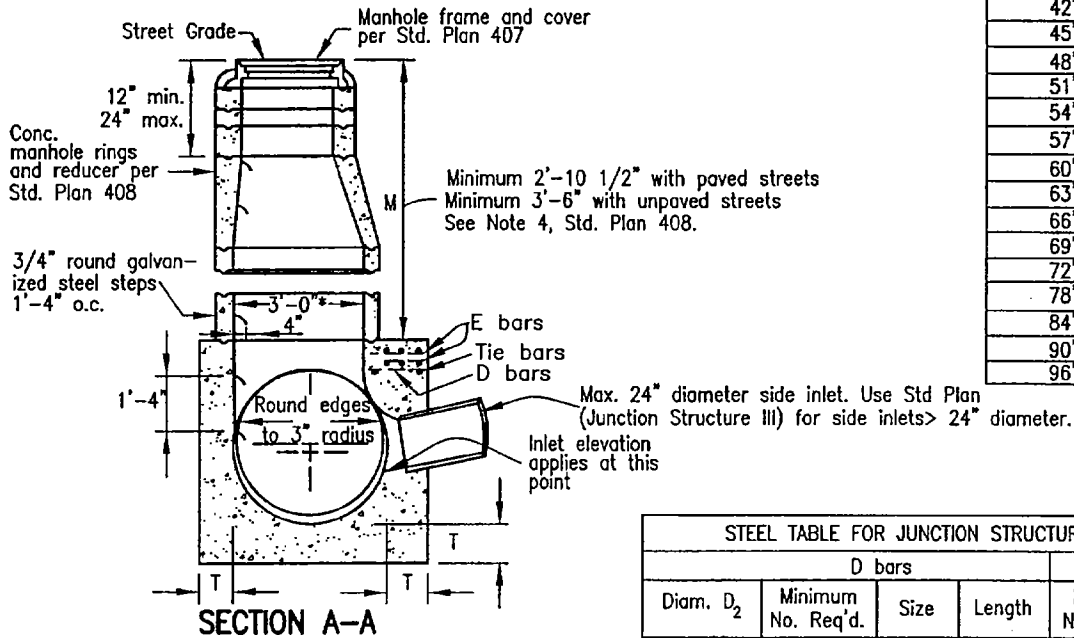


PLAN
(shaft not shown)



SECTION B-B

TABLE OF VALUES FOR T	
D ₂	T
42"	8"
45"	8"
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"



SECTION A-A

FOR GENERAL NOTES AND DEFINITIONS SEE STD. PLAN 314 SHEET 2

* Manhole shaft shall be 4'-0" and junction Structure bottom width shall be increased to 4'-0" minimum when M>15'. Use Std. Plan 408 with 6" thick rings when M>15'.

D bars shall be placed 3" o.c. E bars shall be placed 4" o.c. Tie bars shall be #3 spaced 18" o.c. or closer. When L is greater than 5'-6" is specified on improvement plan, continue D bars at 6" o.c. Lengths shown in table are for longest bars. Where shorter bars are required, bend or cut to meet field requirements.



STEEL TABLE FOR JUNCTION STRUCTURE - TYPE II						
Diam. D ₂	D bars			E bars		
	Minimum No. Req'd.	Size	Length	Minimum No. Req'd.	Size	Length
42" *	6	# 5	4'-6"	4	# 4	3'-2"
45" *	6	"	4'-10"	4	"	3'-5"
48"	6	"	5'-1"	4	"	3'-7"
51"	6	"	5'-5"	6	"	4'-9"
54"	6	"	5'-9"	6	"	5'-1"
57"	6	"	6'-1"	6	"	5'-6"
60"	6	"	6'-4"	6	"	5'-11"
63"	6	"	6'-8"	6	"	6'-3"
66"	6	"	7'-0"	8	"	6'-8"
69"	6	"	7'-4"	8	"	6'-8"
72"	6	"	7'-7"	8	"	6'-8"
78"	6	"	8'-3"	8	"	6'-8"
84"	6	"	8'-10"	10	"	6'-8"
90"	6	# 6	9'-6"	10	"	6'-8"
96"	6	"	10'-1"	10	"	6'-8"

4-2-04
DATE APPROVED

[Signature]
PUBLIC WORKS DIRECTOR/C.E.
[Signature]
ASSISTANT CITY ENGINEER

CITY OF ORANGE PUBLIC WORKS DEPARTMENT
JUNCTION STRUCTURE TYPE II
(OUTLET DIAMETER-42" OR GREATER)

STANDARD PLAN No. 314
SHEET 1 OF 2

