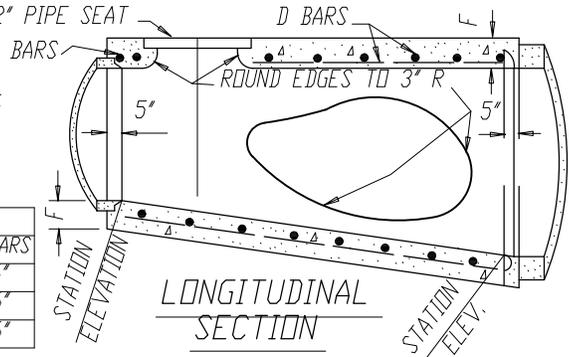
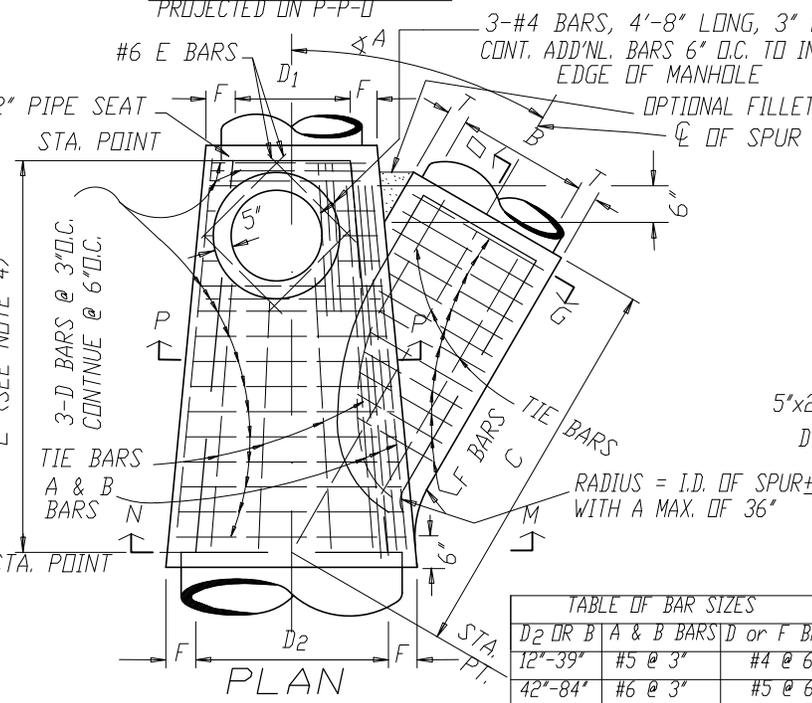
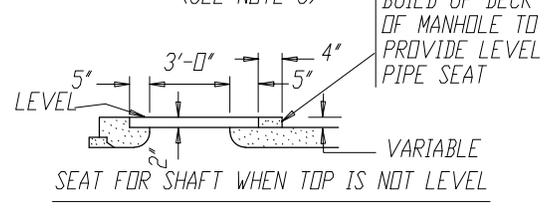
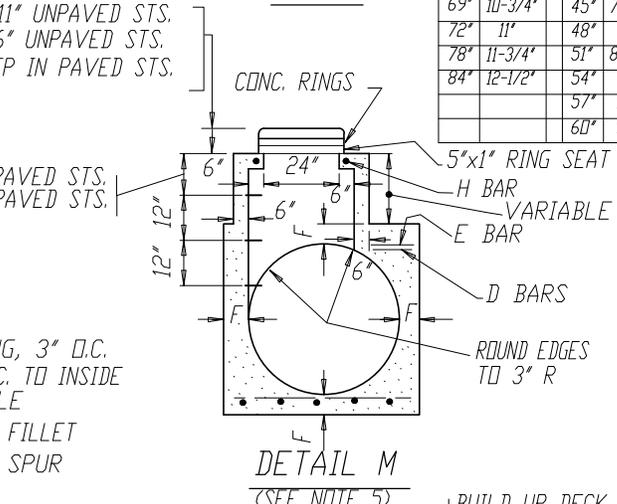
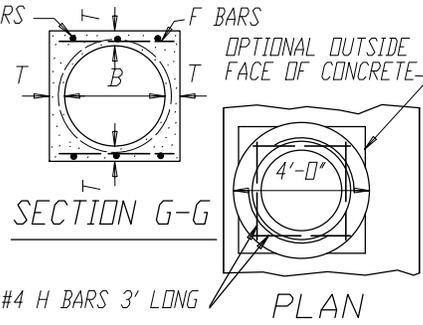
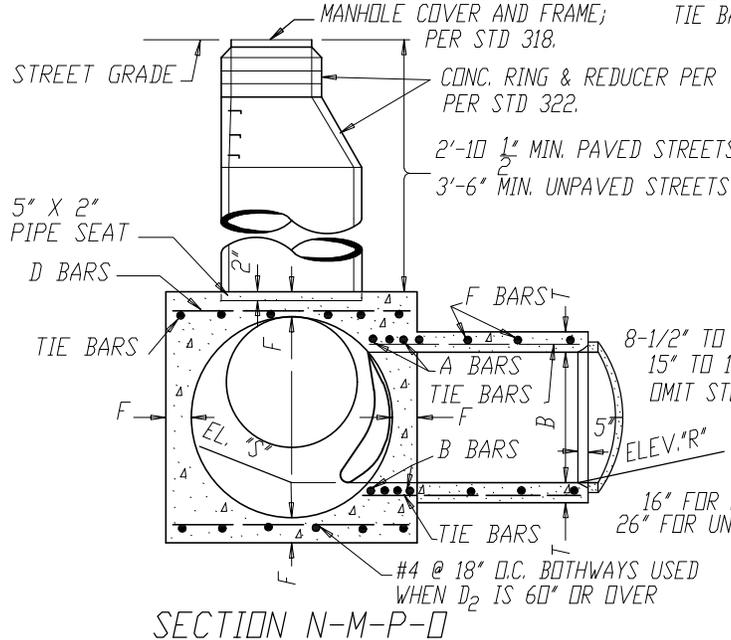


D <sub>2</sub>	F	B	T
36"	6-1/2"	12"	4"
39"	7"	15"	4-1/4"
42"	7-1/2"	18"	4-1/2"
45"	7-3/4"	21"	5"
48"	8"	24"	5-1/4"
51"	8-1/2"	27"	5-1/2"
54"	9"	30"	6"
57"	9-1/4"	33"	6-1/4"
60"	9-1/2"	36"	6-1/2"
63"	10"	39"	7"
66"	10-1/4"	42"	7-1/2"
69"	10-3/4"	45"	7-3/4"
72"	11"	48"	8"
78"	11-3/4"	51"	8-1/2"
84"	12-1/2"	54"	9"
		57"	9-1/4"
		60"	9-1/2"



D <sub>2</sub> OR B	A & B BARS	D or F BARS
12"-39"	#5 @ 3"	#4 @ 6"
42"-84"	#6 @ 3"	#5 @ 6"
90"-144"	#7 @ 3"	#6 @ 6"

NOTES:

- VALUES FOR A, B, C, D<sub>1</sub>, D<sub>2</sub>, L, ELEVATION R, AND ELEVATION S ARE SHOWN ON PLAN, TABLE OF VALUES F & T HEREDON.
- LATERALS: IF LATERALS ENTER ON BOTH SIDES OF MANHOLE, ACCESS SHAFT SHALL BE LOCATED ON SIDE RECEIVING THE SMALLER LATERAL.
- CENTER OF MANHOLE SHAFT SHALL BE LOCATED OVER CENTERLINE OF STORM DRAIN WHEN D<sub>1</sub> IS 45" OR LESS, IN WHICH CASE PLACE 4 E BARS SYMMETRICALLY AROUND SHAFT 45° WITH CENTERLINE.
- LENGTH OF MANHOLE MAY BE INCREASED AT OPTION TO MEET PIPE ENDS, BUT ANY CHANGE IN LOCATION OF SPUR MUST BE APPROVED BY THE ENGINEER.
- DETAIL "M": WHEN DEPTH OF MANHOLE FROM STREET TO TOP OF BOX IS LESS THAN 2'-10 1/2" FOR PAVED STREETS OR 3'-6" FOR UNPAVED STREETS, CONSTRUCT MONOLITHIC SHAFT AS PER DETAIL M.
- REINFORCING STEEL: TIE BARS SHALL BE #4 AND SPACED 18" ON CENTERS OR CLOSER.
- STEPS: SPACING SHALL BE 12" C-C, THE LOWEST STEP SHALL BE NOT MORE THAN 2'-6" ABOVE THE INVERT. SEE STD 317.
- RINGS, REDUCER, AND PIPE FOR ACCESS SHAFT SHALL BE SEATED IN 1:2 MIX CLASS C MORTAR AND NEATLY POINTED OR WIPED INSIDE SHAFT.
- FLOOR OF MANHOLE SHALL BE STEEL TROWELED TO SPRING LINE.
- BODY OF MANHOLE, INCLUDING SPUR, SHALL BE POURED IN ONE CONTINUOUS OPERATION, EXCEPT THAT A CONSTRUCTION JOINT AT THE SPRING LINE WITH A LONGITUDINAL KEYWAY IS PERMITTED.
- ELEVATION "S" APPLIES AT CENTER OF MAINLINE ON PROLONGATION "F" INVERT OF SPUR.

APP. *James M. Hinkle* 51568 11/24/2020  
 CITY ENGINEER RCE DATE

NO.	DATE	DESCRIPTION OF REVISIONS

CITY OF NEWPORT BEACH DEPARTMENT OF PUBLIC WORKS

DRAWN: M. ELIAS  
 DATE: 11/3/2020

JUNCTION STRUCTURE No. 3

STANDARD DRAWING NO.  
**313**  
 SHEET 1 OF 1

REF. STD 317, 318 AND 322  
 ADOPTED FROM LACDPW STD. DWG. NO. 3023-0  
 FORMER CITY STANDARD PLAN NUMBER (2004 EDITION): STD 308-L