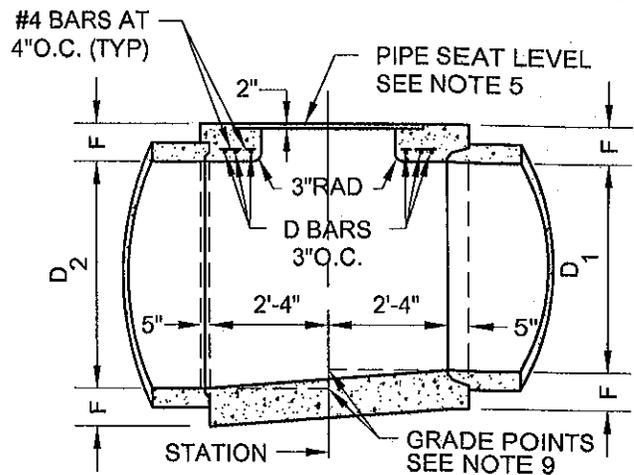
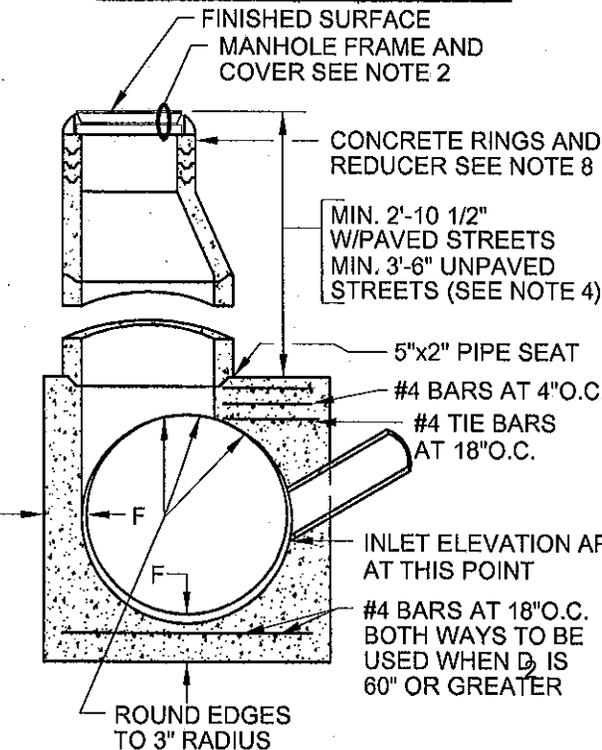


PLAN
(SHAFT NOT SHOWN)



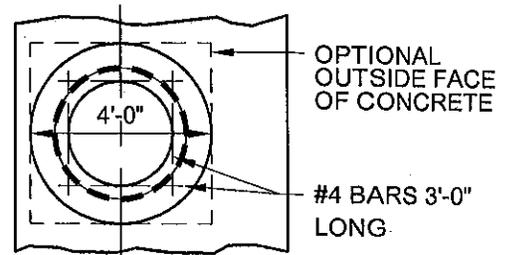
SECTION B-B



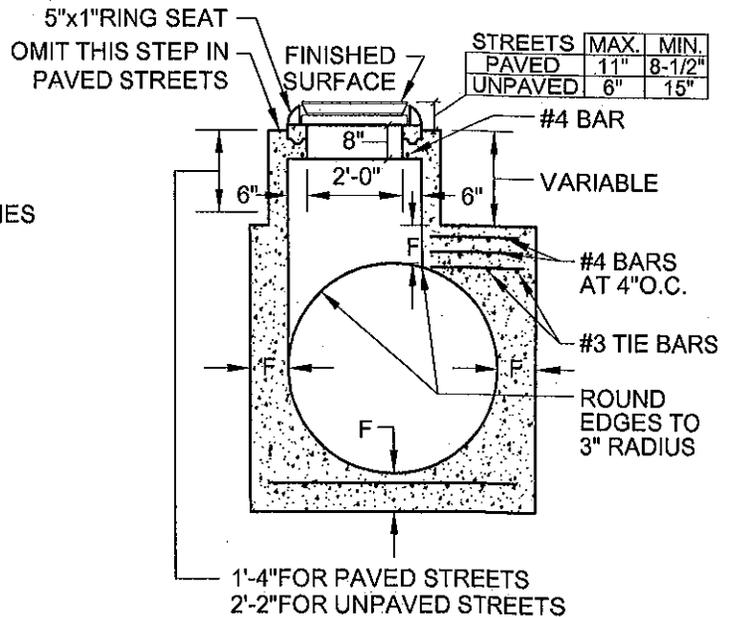
SECTION A-A-A

TABLE OF VALUES FOR F

D ₁	F	D ₂	F
39"	7"	63"	10"
42"	7-1/2"	66"	10-1/4"
45"	7-3/4"	69"	10-3/4"
48"	8"	72"	11"
51"	8-1/2"	78"	11-3/4"
54"	9"	84"	12-1/2"
57"	9-1/4"	90"	13-1/4"
60"	9-1/2"	96"	14"



PLAN
(RINGS AND COVER NOT SHOWN)



DETAIL M
(SEE NOTE NO. 4)

CITY OF SAN BUENAVENTURA

PUBLIC WORKS DEPARTMENT
ENGINEERING DIVISION

STORM DRAIN MANHOLE NO. 2 > 36" Ø PIPE

STD. DET. NO.
308

APPROVED BY: *J. McDevitt*
PRINCIPAL CIVIL ENGINEER

APPROVED BY: *R. R. R.*
CITY ENGINEER R.C.E. 37064

DATE *4-8-14*

SHEET
1 of 2

STORM DRAIN MANHOLE NO. 2 NOTES

1. CENTER OF MANHOLE SHAFT IS LOCATED OVER CENTER LINE OF STORM DRAIN WHEN DIAMETER D1 IS 48" OR LESS, IN WHICH CASE PLACE BARS SYMMETRICALLY WITH CENTER LINE.
2. ALL MANHOLE FRAMES AND COVERS SHALL BE PAMREX-24 WITH STAINLESS STEEL LOCKING ASSEMBLY (MH LOCK) OR EQUAL APPROVED IN ADVANCE BY THE CITY ENGINEER. IN PEDESTRIAN AREAS AND CROSSWALKS, MANHOLE FRAMES AND COVERS SHALL BE ALHAMBRA #1170 OR APPROVED EQUAL BY THE CITY ENGINEER. ALL STORM DRAIN MANHOLE COVERS SHALL HAVE A 1-1/2 INCH "D" CAST IN THE CENTER. AN INNER PAN COVER SHALL BE INSTALLED WHERE SHOWN ON THE PLANS.
3. LENGTH L SHALL BE 5'-6" UNLESS SHOWN OTHERWISE ON IMPROVEMENT PLAN. AT OPTION OF CONTRACTOR L MAY BE INCREASED OR LOCATION OF MANHOLE SHIFTED TO MEET PIPE ENDS.
4. DETAIL M: WHEN DEPTH OF MANHOLE FROM STREET GRADE 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. THE CONTRACTOR SHALL HAVE THE OPTION OF CONSTRUCTING SHAFT PER DETAIL M FOR ANY DEPTH OF MANHOLE. WHEN DIAMETER D1 IS 48" OR LESS, CENTER OF SHAFT SHALL BE LOCATED AS PER NOTE 1.
5. THICKNESS OF DECK SHALL VARY WHEN NECESSARY TO PROVIDE LEVEL PIPE SEAT, BUT SHALL NOT BE LESS THAN TABULAR VALUES FOR F SHOWN ON THIS PLAN.
6. REINFORCING STEEL SHALL BE ROUND, GRADE 40 DEFORMED BARS, 1 1/2" CLEAR FROM FACE OF CONCRETE UNLESS SHOWN OTHERWISE.
7. CONCRETE SHALL BE CLASS 560-C-3250.
8. RINGS, REDUCER AND PIPE FOR ACCESS SHAFT SHALL CONFORM WITH STANDARD PLAN 201, EXCEPT THE SHAFT DIAMETER SHALL BE 36".
9. STATIONS OF MANHOLES SHOWN ON IMPROVEMENT PLAN APPLY AT CENTER OF SHAFT. ELEVATIONS SHOWN AT STATIONS REFER TO PROLONGED INVERT GRADE LINE.
10. FLOOR OF MANHOLE SHALL BE STEEL-TROWELLED TO SPRING LINE.
11. BODY OF MANHOLE SHALL BE POURED IN ONE CONTINUOUS OPERATION, EXCEPT THAT THE CONTRACTOR SHALL HAVE THE OPTION OF PLACING A CONSTRUCTION JOINT ABOVE THE PIPE CROWN WITH A LONGITUDINAL KEYWAY.
12. D BARS SHALL BE #4 FOR D2 = 39" OR LESS, #5 FOR D2 = 42" TO 84" INCLUSIVE AND #6 FOR D2 = 90" OR OVER. WHEN L GREATER THAN 5'-6" IS SPECIFIED, D BARS SHALL BE CONTINUED 6" ON CENTER.

CITY OF SAN BUENAVENTURA

PUBLIC WORKS DEPARTMENT
ENGINEERING DIVISION

NOTES FOR STORM DRAIN MANHOLE NO. 2

STD. DET. NO.

308

APPROVED BY: J. McDermott
PRINCIPAL CIVIL ENGINEER

APPROVED BY: R.R.R.
CITY ENGINEER R.C.E. 37064

DATE 7-8-14

SHEET
2 of 2