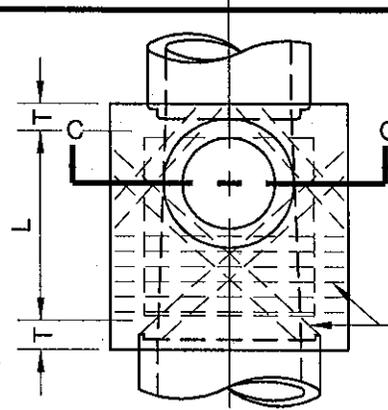


PLAN (SHAFT NOT SHOWN)

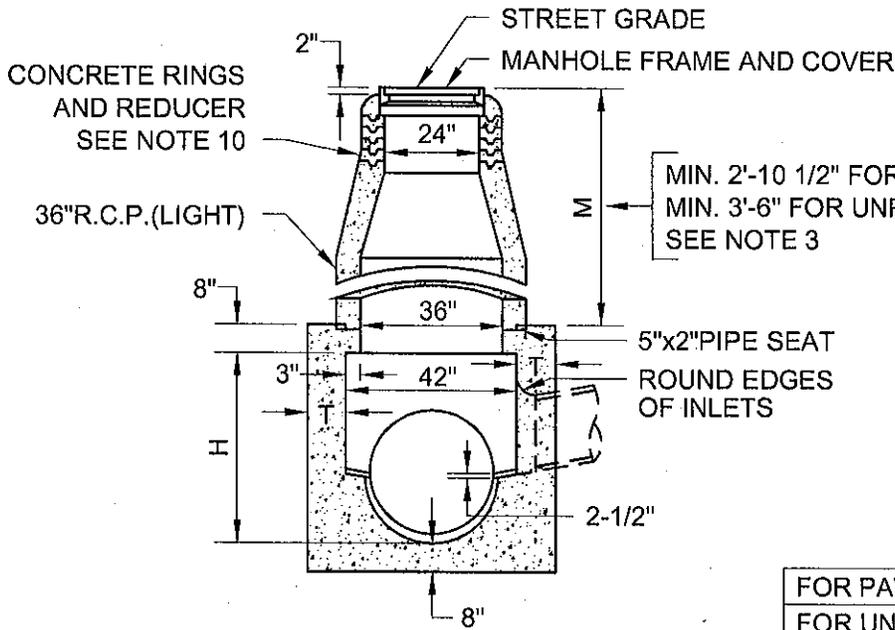


DETAIL "N" PLAN (SHAFT NOT SHOWN)

ALL STEEL REINFORCEMENT
No. 4 BARS,
4" O.C.

ALL STEEL REINFORCEMENT
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4" O.C.

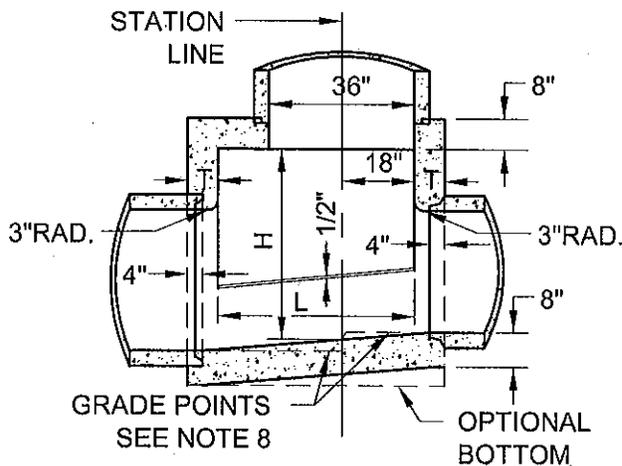
SEE NOTE 3



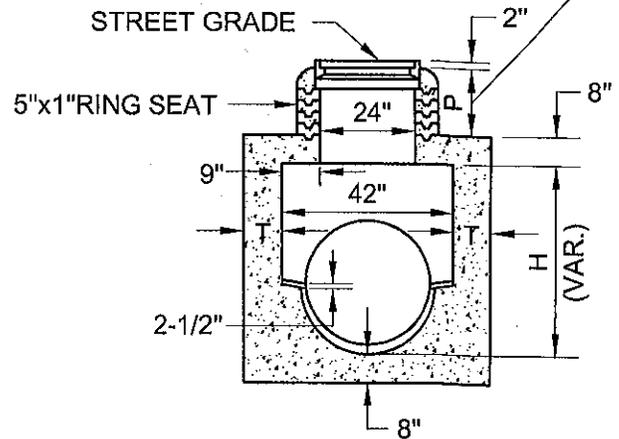
SECTION A-A

MIN. 2'-10 1/2" FOR PAVED STREETS
MIN. 3'-6" FOR UNPAVED STREETS
SEE NOTE 3

	MAX	MIN
FOR PAVED STREETS	11"	8.5"
FOR UNPAVED STREETS	16"	15"



SECTION B-B



SECTION C-C

CITY OF SAN BUENAVENTURA

PUBLIC WORKS DEPARTMENT
ENGINEERING DIVISION

STORM DRAIN MANHOLE NO.1 ≤ 36"Ø PIPE

STD. DET. NO.
307

APPROVED BY: *J. McDevitt*
PRINCIPAL CIVIL ENGINEER

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

DATE *4-8-14*

SHEET
1 of 2

STORM DRAIN MANHOLE NO. 1 NOTES

1. H - HEIGHT H (IN SEC. A-A AND SEC. B-B) SHALL NOT BE LESS THAN 4'-0", BUT MAY BE INCREASED, PROVIDED THAT THE VALUE OF M SHALL NOT BE LESS THAN THE MINIMUM SPECIFIED AND THAT THE REDUCER SHALL BE USED. FOR H (IN SEC. C-C) SEE NOTE 4.
2. L - LENGTH L SHALL BE 4' UNLESS OTHERWISE SHOWN ON IMPROVEMENT PLAN. L MAY BE INCREASED OR LOCATION OF MANHOLE SHIFTED TO MEET PIPE ENDS.
3. M - SHAFT SHALL BE CONSTRUCTED AS PER SEC. C-C AND DETAIL N WHEN M FROM STREET GRADE TO TOP OF BOX IS LESS THAN 2'-10 1/2" FOR PAVED STREETS OR 3'-6" FOR UNPAVED STREETS.
4. P - DEPTH P MAY BE REDUCED TO 6 INCHES WHEN LARGER VALUES OF P WOULD REDUCE H (IN SEC. C-C) TO 3'-6" OR LESS.
5. T - T SHALL BE 8" FOR VALUES OF H UP TO AND INCLUDING 8 FT. T SHALL BE 10" FOR VALUES OF H OVER 8 FT.
6. CONCRETE SHALL BE CLASS 560-C-3250.
7. REINFORCING STEEL SHALL BE 1/2" ROUND, DEFORMED, STRAIGHT, GRADE 40 BARS 1 1/2" CLEAR FROM FACE OF CONCRETE.
8. STATIONS OF MANHOLES SHOWN ON IMPROVEMENT PLAN APPLY AT CENTER LINE OF SHAFT. ELEVATIONS ARE SHOWN AT SHAFT CENTER AND REFER TO THE PROLONGED INVERT GRADE LINE. SEE NOTE 2 FOR SHIFTING LOCATION.
9. FLOOR OF MANHOLE SHALL BE STEEL-TROWELLED.
10. RINGS, REDUCER, AND PIPE FOR ACCESS SHAFT SHALL CONFORM TO STANDARD PLAN 201, EXCEPT THAT THE SHAFT DIAMETER SHALL BE 36".
11. PIPE DIAMETER SHALL BE 36" OR SMALLER.
12. 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.

CITY OF SAN BUENAVENTURA

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NOTES FOR STORM DRAIN MANHOLE NO.1

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SHEET
2 of 2