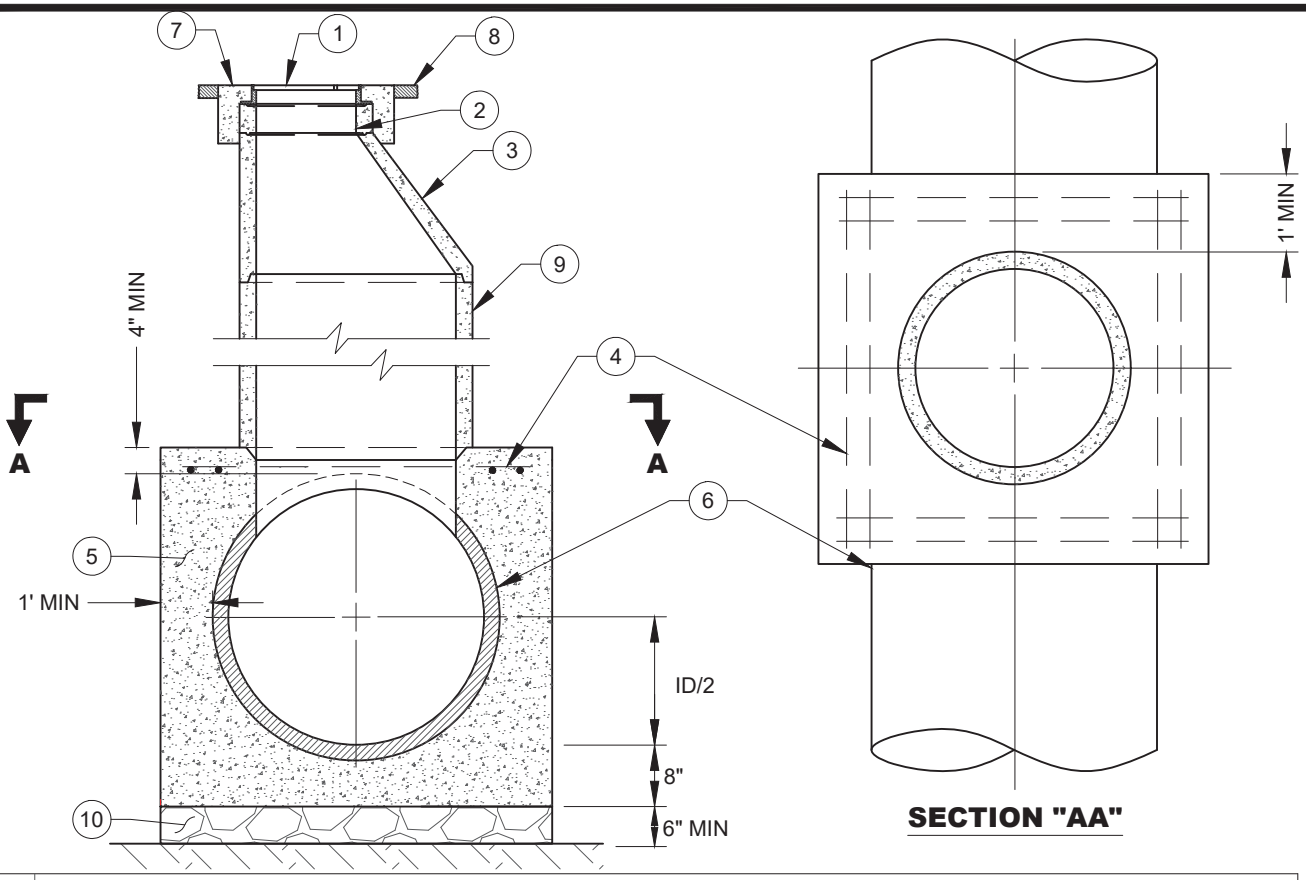


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|---|---|
| 1 | FRAME AND COVER, SEE DETAIL #302. |
| 2 | STANDARD TWENTY-FOUR (24) INCH DIAMETER MANHOLE GRADE RINGS. THREE (3) INCH MINIMUM THICK, EIGHTEEN (18) INCH MAXIMUM NECK FROM CONE BASE TO ROADWAY SURFACE. |
| 3 | STANDARD 48 INCH ECCENTRIC MANHOLE REDUCER CONE. |
| 4 | TWO #5 REBAR EACH WAY, MIN 3" COVER |
| 5 | MIN 4,000 PSI CONCRETE. MANHOLE CONFIGURATION AS SHOWN IS ONLY FOR NEW SADDLE MANHOLES FOR PVC, HDPP, OR HDPE STORM DRAINAGE PIPE. MANHOLE BASE AND CRUSHED ROCK FOUNDATION SHALL BE AS DETAILED IN CIRCLE NOTES 6 -12 OF STD DETAIL #302. SADDLE MANHOLE BASE OVER RIGID PRECAST CONCRETE PIPE MAY END AT 6 INCH BELOW PIPE MID-LINE ON COMPACTED SOIL WITH CITY ENGINEER APPROVAL. |
| 6 | EXISTING STORM DRAIN PIPE |
| 7 | MIN 4,000 PSI CONCRETE COLLAR WITH LAMP BLACK PIGMENT ADDED TO MATCH COLOR OF AC PAVEMENT. COLLAR SHALL MATCH ROADWAY SURFACE LEVEL. |
| 8 | TRENCH ROADWAY STRUCTURAL REPAIR AND RESURFACING SHALL BE IN ACCORDANCE WITH STANDARD DETAILS #112 THROUGH #115. |
| 9 | STANDARD FORTY EIGHT (48) INCH DIAMETER MANHOLE SECTION, CONFORMING TO ASTM C478 LATEST REVISION WITH FOUR (4) INCH MINIMUM WALL THICKNESS. CONE AND BARREL SECTIONS SHALL BE SEALED BY PRE-FORMED PLASTIC SEALING GASKETS THAT CONFORM TO FEDERAL SPECIFICATIONS SS-S-00210 OR CITY APPROVED EQUAL. ALL JOINTS SHALL BE MORTARED INSIDE AND OUTSIDE THE MANHOLE. |
| 10 | SIX (6) INCHES MIN $\frac{3}{4}$ INCH CRUSHED ROCK PER ASTM D448 #67 AND COMPACTED TO 95% RELATIVE COMPACTION. |

**NOTE:**
SADDLE MANHOLES SHALL ONLY BE ALLOWED ON STORM DRAIN PIPE GREATER THAN 36 INCHES IN DIAMETER, PROVIDED THAT NO JUNCTION EXISTS WITH ANY OTHER STORM DRAIN CONDUIT AT THE MANHOLE. UNLESS OTHERWISE APPROVED BY THE CITY ENGINEER.

REGISTERED PROFESSIONAL ENGINEER
MARK LOUIS COLLIER
No. 54031
CIVIL
STATE OF CALIFORNIA

APPROVED: Aug. X, 2025

STANDARD DETAIL #

**304**

TITLE:

# SADDLE MANHOLE

CITY OF WEST SACRAMENTO

dtl #304 - saddle manhole_06-20-25.dwg