



TYPICAL CHANNELING

1	FRAME AND COVER, D & L SUPPLY 1024 MARKED "SANITARY SEWER" WITH PICK HOLE
2	MIN 4,000 PSI CONCRETE COLLAR WITH LAMP BLACK PIGMENT ADDED TO MATCH COLOR OF AC PAVEMENT. COLLAR SHALL MATCH ROADWAY SURFACE LEVEL.
3	STANDARD TWENTY FOUR (24) INCH DIAMETER MANHOLE GRADE RINGS THREE (3) INCH MINIMUM, EIGHTEEN (18) INCH MAXIMUM NECK HEIGHT FROM CONE TO FINISH GRADE
4	STANDARD FORTY EIGHT (48) INCH ECCENTRIC MANHOLE REDUCER CONE.
5	STANDARD FORTY EIGHT (48) INCH DIAMETER MANHOLE BARREL SECTION, CONFORMING TO ASTM C478 - LATEST REVISION WITH FOUR (4) INCH MINIMUM WALL THICKNESS.
6	MIN 4,000 PSI CONCRETE FOR CAST-IN-PLACE OR PRECAST CONCRETE BASE.
7	SIX (6) INCHES MINIMUM, 3/4 INCH CRUSHED ROCK PER ASTM D448 #67
8	UNDISTURBED SOIL
9	PIPE SHALL HAVE AT LEAST ONE JOINT WITHIN TWO AND A HALF (2 1/2) FEET FROM MANHOLE WALL
10	CONNECTIONS TO MANHOLE SHALL BE MADE BY UTILIZING MANHOLE ADAPTERS OR ELASTOMERIC SEAL RINGS EMBEDDED IN THE CONCRETE
11	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.
12	MANHOLES DEEPER THAN SEVEN (7) FEET (INVERT TO FINISHED GRADE) SHALL HAVE #4 REBAR TWELVE (12) INCHES ON CENTER, EACH WAY, IN MANHOLE BASE AND INCREASE THICKNESS OF MANHOLE BASE TO 12 INCHES.
13	FOUR (4) INCHES PER FOOT MINIMUM SLOPE
14	ALL JOINTS AND PIPE PENETRATIONS SHALL BE MORTARED INSIDE AND OUTSIDE OF THE MANHOLE.
15	ALL SEWER MANHOLES ON TRUNK LINES 10" AND GREATER IN DIAMETER SHALL BE LINED PER THE REQUIREMENTS SET FORTH IN DIVISION IV, SECTION 14.02G

NOTES:

- A. COUNTRY OF ORIGIN SHALL BE CLEARLY AND PERMANENTLY SHOWN ON TOP SURFACE OF THE FRAME AND COVER IN ACCORDANCE WITH THE TRADE AND TARIFF ACT OF 1984.
- B. DATE OF MANUFACTURE SHALL BE CLEARLY AND PERMANENTLY INDICATED ON THE COVER AND THE TOP OF THE FRAME.
- C. SEATING SURFACE SHALL BE CLOSELY MACHINED TO NOMINAL DIMENSIONS WITH TOLERANCES NOT TO EXCEED ±1/64 INCH.
- D. THE WEIGHT OF THE FRAME SHALL BE 140 lbs., ±10 lbs.
- E. THE WEIGHT OF THE COVER SHALL BE 130 lbs., ±5 lbs.
- F. VACUUM TEST REQUIRED PER DIVISION IV, SECTION 14.03D.
- G. SANITARY "SEWER" SHALL BE STAMPED CLEARLY AND PERMANENTLY ON THE COVER.

THE CITY OF WEST SACRAMENTO - STANDARD DETAIL



APPROVED: Aug. X, 2025

STANDARD
DETAIL #
404

TITLE:
**SEWER
MANHOLE**

