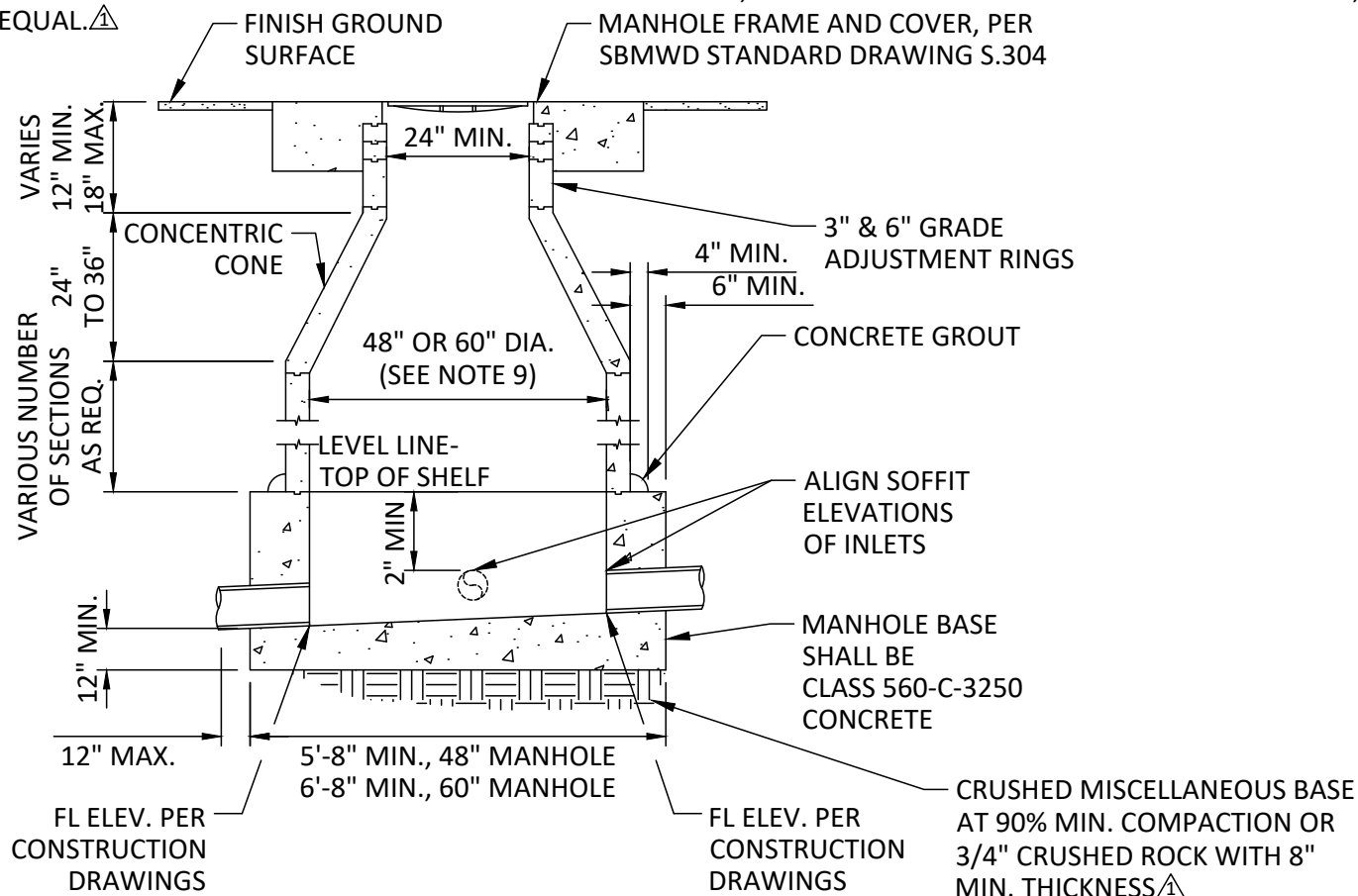


NOTES:

1. PRECAST REINFORCED CONCRETE MANHOLE SHALL CONFORM TO THE REQUIREMENTS OF ASTM C478 AND BE DESIGNED FOR H-20 LOADING.
2. MANHOLE STEPS SHALL NOT BE PROVIDED.
3. ALL MANHOLE SECTIONS SHALL BE JOINED WITH 3/8" THICK CEMENT MORTAR NEATLY STRUCK AND POINTED, OR PREFORMED COLD-APPLIED READY TO USE PLASTIC JOINT SEALING COMPOUND & PRIMER.
4. MANHOLE OPENING SHALL BE 24" DIA. AND BE LOCATED ON UPSTREAM SIDE OF MANHOLE.
5. CONE TOP SHALL BE PROVIDED WHERE MANHOLE DEPTH (TOP OF MANHOLE FRAME AND COVER TO TOP OF PIPE) IS 6 FEET OR GREATER. FLAT TOP SHALL BE PROVIDED WHERE DEPTH IS LESS THAN 6 FEET.
6. MANHOLE OPENING SHALL BE 24" DIA. UNLESS OTHERWISE NOTED.
7. AFTER FINAL STREET PAVING IS COMPLETE, ADJUST MANHOLE FRAME AND COVER TO GRADE AND POUR CONCRETE SURROUND. TOP OF MANHOLE SHALL BE FLUSH WITH FINAL PAVEMENT.
8. FOR ALIGNMENT CHANGES LESS THAN 45°, GRADE AT MANHOLE OUTLET SHALL BE 0.1' LOWER THAN INLET GRADE. FOR ALIGNMENT CHANGES 45° AND LARGER, GRADE AT MANHOLE OUTLET SHALL BE 0.25' LOWER THAN INLET GRADE.
9. MANHOLE DIAMETER SHALL BE 48" FOR SEWER DIAMETERS 18" AND LESS AND 60" FOR SEWER DIAMETERS 21" AND LARGER.
10. MANHOLE WATER STOPS SHALL BE INSTALLED WITH P.V.C., A.B.S. OR A.C.P. PIPES AT EACH PIPE PENETRATION, PER SBMWD STD DWG S.301a.
11. MANHOLES SHALL BE COATED INSIDE WITH SPRAY APPLIED EPOXY LINER COMPLIANT WITH SSPWC SECTION 502-5.4 AND INSTALLED PER MANUFACTURER'S SPECIFICATIONS, SUCH AS SHERWIN-WILLIAMS DURA-PLATE 6100, OR EQUAL.⚠



CONCENTRIC TOP PRECAST MANHOLE - SECTION VIEW

N.T.S.

REVISION	DATE	CITY OF SAN BERNARDINO MUNICIPAL WATER DEPARTMENT		DRAWING NUMBER
		PRECAST REINFORCED CONCRETE MANHOLE - CONCENTRIC CONE		SBMWD
				S.301c
⚠ JD	06/24/25	APPROVED 		DATE 10/24/2019
DRAWN BY: JRVS		WARREN HUANG, P.E. RCE 49208		
SUPERVISED: AC				