


NOTES:

1. TYPE 3A MANHOLE TO BE UTILIZED AS FOLLOWS:
 -FOR DROPS GREATER THAN 2 FEET BUT NOT TO EXCEED 8 FEET
2. MANHOLE MATERIALS AND CONSTRUCTION SHALL CONFORM TO THE REQUIREMENTS OF THE SSPWC.
3. PORTLAND CEMENT CONCRETE (PCC) SHALL BE A MINIMUM 4000 PSI COMPRESSIVE STRENGTH @ 28 DAYS WITH MINIMUM 6.25 SACKS OF TYPE II CEMENT (588 LBS) PER CUBIC YARD OF CONCRETE, A MAXIMUM WATER/CEMENT RATIO OF 0.45, 4.5-7.5% AIR ENTRAINMENT, AND SLUMP SHALL RANGE FROM A MINIMUM OF 1" TO A MAXIMUM OF 4". ALL MATERIALS SHALL CONFORM TO THE LATEST EDITION OF THE STANDARD SPECIFICATIONS FOR PUBLIC WORKS CONSTRUCTION (SSPWC).
4. ALL MANHOLES SHALL INCLUDE D&L FOUNDRY 24FC-1032-WC FRAMES & COVER ASSEMBLIES, OR EQUAL, WITH "WASHOE COUNTY SEWER" CLEARLY STAMPED ON THE COVER.
5. EXCAVATION & BACKFILL SHALL BE AS SPECIFIED FOR "TRENCH EXCAVATION & BACKFILL" OF THE SSPWC.
6. PRECAST MANHOLE SECTIONS, OTHER THAN GRADE RINGS, SHALL BE JOINED WITH FLEXIBLE PLASTIC GASKET MATERIAL SUCH AS "RAM-NEK", OR EQUAL, AS PER MANUFACTURER'S RECOMMENDATIONS.
7. PIPES SHALL NOT PROTRUDE MORE THAN 3" INSIDE OF PRECAST MANHOLE BASES.
8. PIPE PENETRATIONS INTO MANHOLES SHALL BE WATER TIGHT.
9. PRIOR TO BACKFILLING, ALL MANHOLES SHALL BE VACUUM TESTED PER THE REQUIREMENTS OF ASTM C-1244.
10. REINFORCING SHALL CONSIST OF COLLATED, FIBRILLATED, POLYPROPYLENE FIBERS AS MANUFACTURED BY FIBERMESH, OR APPROVED EQUAL, AND SHALL BE ADDED AT A RATE OF 1.5 LBS PER CUBIC YARD OF CONCRETE.
11. USE 1"x $\frac{1}{8}$ " STAINLESS STEEL STRAP (TYPICAL) TOP, BOTTOM AND EVERY 3 FEET. USE $\frac{1}{2}$ " SELF-TAPPING CONCRETE ANCHORS WITH $\frac{1}{2}$ "x1 $\frac{1}{2}$ " STAINLESS STEEL BOLT AND STAINLESS STEEL LOCK WASHER.

DATE	REVISIONS		STANDARD DETAILS FOR PUBLIC WORKS CONSTRUCTION	SECTION NUMBER:
			<p style="text-align: center;">MANHOLE TYPE 3A NOTES</p>	200
				DRAWING NUMBER:
				DATE:
			W-221B	2/21/2022