



SEE MANHOLE COLLAR DETAIL (WR-1.8) IN STANDARD DETAILS FOR PUBLIC WORKS CONSTRUCTION

- NOTES:
- TYPE I-A MANHOLE TO BE UTILIZED AS FOLLOWS:
 -PIPE 18" AND SMALLER
 -PIPE 24" AND SMALLER ON TANGENT LINE AND GRADE.
 -DEPTHS LESS THAN 18 FEET.
 - MANHOLE MATERIALS AND CONSTRUCTION SHALL CONFORM TO THE REQUIREMENTS OF SECTION 204 "MANHOLES AND CATCH BASINS" OF THE STANDARD SPECIFICATIONS.
 - PORTLAND CEMENT CONCRETE TYPE II (PCC) SHALL HAVE THE FOLLOWING CHARACTERISTICS: 3000 PSI MIN. COMPRESSIVE STRENGTH @ 28 DAYS, MIN. 6 SACKS OF CEMENT PER CU.YD. SLUMP @ 1-4 INCHES. ALL MATERIALS SHALL CONFORM TO SSPWC SECTION 202.
 - ALL MANHOLES SHALL INCLUDE PINKERTON A-107 FRAMES & COVER ASSEMBLIES, OR EQUAL, WITH "WASHOE COUNTY SEWER" CLEARLY STAMPED ON THE COVER.
 - EXCAVATION & BACKFILL SHALL BE AS SPECIFIED FOR "TRENCH EXCAVATION & BACKFILL" IN SECTION 305.00 OF THE SSPWC.
 - STEPS WILL BE REQUIRED ON ALL MANHOLES 5 FEET OR MORE IN DEPTH FROM FINISHED GRADE TO FLOW LINE.
 - 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.
 - PIPES SHALL NOT PROTRUDE MORE THAN 3" INSIDE OF PRECAST MANHOLE BASES.
 - PIPE PENETRATIONS INTO MANHOLES SHALL BE WATER TIGHT.
 - PRIOR TO BACKFILLING, ALL MANHOLES SHALL BE VACUUM TESTED PER THE REQUIREMENTS OF ASTM C-1244.
 - WHEN POSSIBLE, CONSTRUCT MANHOLE SECTIONS SO THAT STEPS ARE OPPOSITE OUTLET.

NO.	REVISED	DATE	STANDARD DETAILS FOR PUBLIC WORKS CONSTRUCTION	SECTION:	WASHOE	
			MANHOLE TYPE I-A	DRAWING NO:	WR-1.3	
				DATE:	5/11	PAGE:
						3