



**NOTES**

1. STEEL CASING PIPE SHALL MEET THE REQUIREMENTS OF ASTM A139 (ANSI B36.10); GRADE B; MINIMUM YIELD STRENGTH OF 35,000 P.S.I.; 0.375" MINIMUM WALL THICKNESS.
2. CASING PIPE SHALL BE WELDED IN ACCORDANCE WITH THE REQUIREMENTS OF THE AMERICAN WELDING SOCIETY (AWS) STANDARD D1.1. JOINTS IN STEEL CASING PIPES SHALL BE FULL CIRCUMFERENCE BUTT WELDED WATERTIGHT TO THE PREVIOUSLY INSTALLED LENGTH OF CASING PIPE.
3. CASING END SEALS SHALL BE RUBBER TRANSITIONAL BOOT WITH TWO (2) STAINLESS STEEL BANDS AS MANUFACTURED BY CASCADE WATER WORKS MANUFACTURING CO., OR PIPELINE SEAL AND INSULATOR INC OR CONCRETE BRICK AND CEMENT MORTAR.
4. TRACER WIRE SHALL BE BONDED TO THE CASING BY CALDWELL/THERMALLY BONDED AT BOTH ENDS OF THE CASING. A MINIMUM OF 4 FEET OF ADDITIONAL TRACER WIRE SHALL BE PROVIDED AT EACH END OF CASING.
5. CARRIER PIPE MUST BE REMOVABLE FROM CASING IN EITHER DIRECTION. CARRIER PIPE SHALL HAVE RESTRAINED JOINTS AS APPROVED BY LCPW.
6. CASING SPACERS SHALL BE RESTRAINED STAINLESS STEEL AS MANUFACTURED BY CASCADE WATER WORKS MANUFACTURING CO, OR APPROVED EQUAL.
7. ADJUSTABLE CASING SPACERS ARE ALLOWED FOR ADJUSTMENT OF CARRIER PIPE SLOPE.

CARRIER PIPE SIZE	CASING PIPE SIZE
4"	10"
6"	12"
8"	16"
10"	20"
12"	20"
16"	24"

\*CASING PIPE SIZES ARE MINIMUMS AND MAYBE INCREASED AS NECESSARY BASED ON FIELD CONDITIONS.

