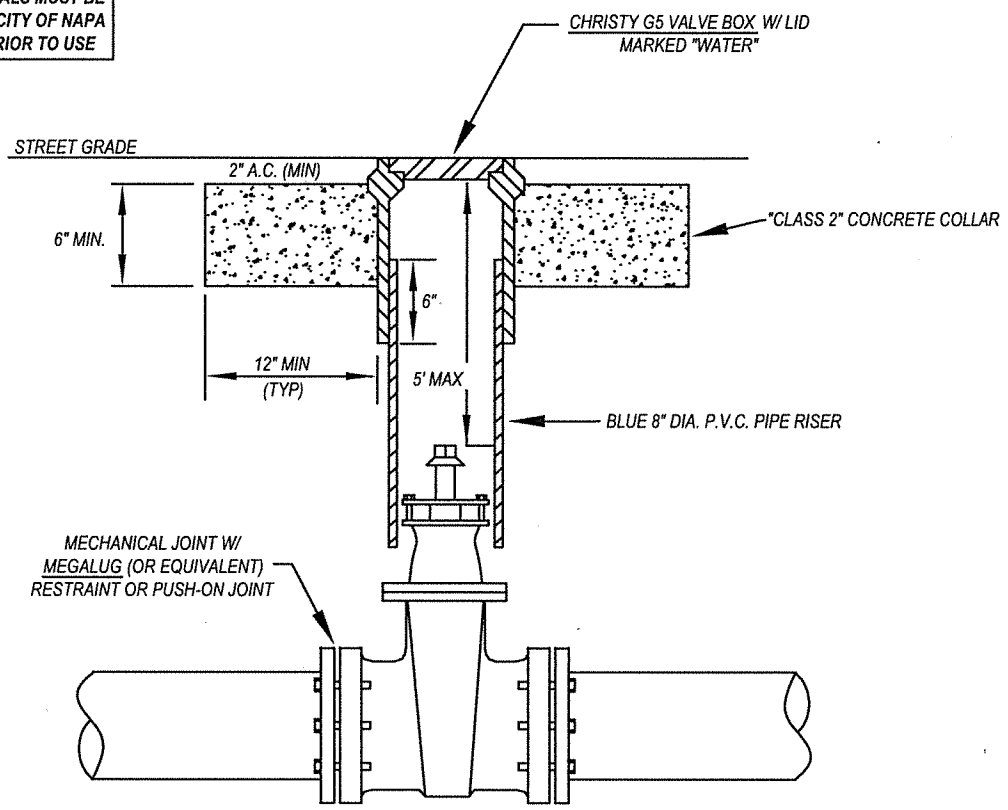
ALTERNATE MATERIALS MUST BE APPROVED BY THE CITY OF NAPA WATER DIVISION PRIOR TO USE



NOTES

1. BUTTERFLY VALVES SHALL BE INSTALLED FOR 12" AND LARGER PIPES. VALVE NUTS SHALL BE PLACED ON THE SIDE OF THE MAIN CLOSEST TO THE NEAREST CURB.

2. VALVE RING SHALL BE SET TO GRADE PRIOR TO PLACING FINISHED PAVEMENT.

3. THE TWO (2) INCH SQUARE OPERATING NUT ON ALL VALVES SHALL BE INSTALLED AT A MAXIMUM OF 5-FEET IN DEPTH MEASURED FROM THE TOP OF THE OPERATING NUT TO FINISHED GRADE. ALL OPERATING NUTS INSTALLED AT A DEPTH GREATER THAN 5-FEET SHALL INCLUDE A VALVE EXTENSION TO RAISE THE OPERATING NUT TO 24-INCHES FROM FINISHED GRADE.

4. VALVE EXTENSIONS (IF REQUIRED) SHALL BE ROUND OR SQUARE 1.5-INCH DIAMETER STEEL ROD, WELDED CONSTRUCTION, AND COATED WITH TOP CENTERING RING AND AWWA 2" OPERATING NUTS TOP AND BOTTOM (PIPELINE PRODUCTS SX-900 OR SIMILAR). SOCKET END SHALL BE DRILLED AND TAPPED WITH TWO (2) 1/4" SET SCREWS INSTALLED ON OPPOSITE SIDES. OPERATING NUT SHALL BE DRILLED WITH RECESSES TO ACCEPT THE TWO (2) 1/4" SET SCREWS. SET SCREWS SHALL BE SECURELY FASTENED TO THE OPERATING NUT.

5. WATER VALVES SHALL BE OPERATED BY WATER DIVISION PERSONNEL ONLY.

CITY OF NAPA		PUBLIC WORKS - WATER DIVISION
VALVES	DATE REVISED DECEMBER 2015 CHECKED APPROVED SCALE NONE	DWG NO. W - 9