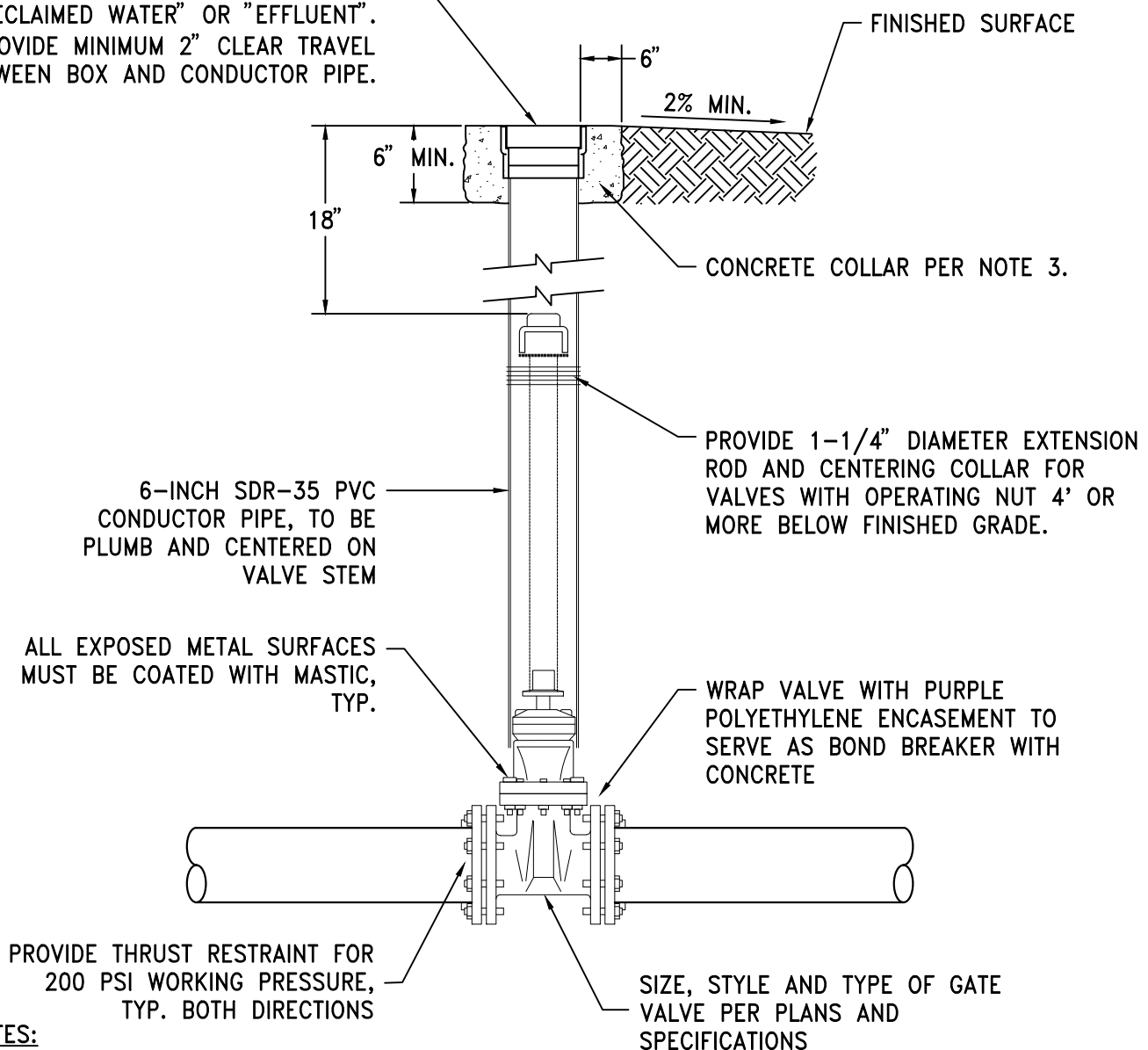


CAST IRON VALVE BOX AND COVER.
EPOXY COATED PURPLE MARKED
"RECLAIMED WATER" OR "EFFLUENT".
PROVIDE MINIMUM 2" CLEAR TRAVEL
BETWEEN BOX AND CONDUCTOR PIPE.



NOTES:

1. GATE VALVES 3-INCH TO 12-INCH. AWWA C509 OR C515, IRON BODY, FUSION BONDED EPOXY INTERIOR AND EXTERIOR COATING, BRONZE MOUNTED, NON-RISING STEM, SOLID WEDGED GATES, MINIMUM 200 PSIG WORKING PRESSURE, DOUBLE O-RING STEM SEALS, 2-INCH OPERATING NUT, COUNTERCLOCKWISE TO OPEN.
2. GATE VALVES, 2-INCH AND SMALLER. IRON BODY, NON-RISING STEM, SOLID WEDGED GATES, MINIMUM 200 PSIG WORKING PRESSURE, 2-INCH OPERATING NUT, COUNTERCLOCKWISE TO OPEN.
3. PORTLAND CEMENT CONCRETE (P.C.C.) FOR CONCRETE COLLAR SHALL HAVE THE FOLLOWING CHARACTERISTICS: 4,000 PSI MINIMUM COMPRESSIVE STRENGTH AT 28 DAYS, MINIMUM 6 SACKS OF CEMENT PER CUBIC YARD WITH A MAXIMUM WATER/CEMENT RATIO OF 0.45, AIR ENTRAINMENT 6% $\pm 1.5\%$, SLUMP AT 1 TO 4 INCHES. MIX DESIGN SHALL CONFORM TO THE REQUIREMENTS OF SECTION 337 OF STANDARD SPECIFICATIONS OF PUBLIC WORKS CONSTRUCTION (SSPWC), AS ADOPTED BY CITY COUNCIL. CEMENT SHALL BE TYPE II. ALL CEMENT CONCRETE SHALL HAVE A COARSE AGGREGATE GRADATION CONFORMING TO SIZE NO. 67. POLYPROPYLENE OR CELLULOSE FIBERS SHALL BE ADDED TO THE P.C.C. AT 1.5 LBS. PER CUBIC YARD. ALL MATERIALS SHALL CONFORM TO SSPWC, AS ADOPTED BY CITY COUNCIL.

STANDARD DETAILS FOR PUBLIC WORKS CONSTRUCTION

DRAWING No.



**RECLAIMED WATER
GATE VALVE**

S-510

APPROVED BY: JE DATE: 1/2020