



SEE NOTES ON PAGE 2

NO.			REVISION			DATE			STANDARD DETAIL FOR PUBLIC WORKS CONSTRUCTION			SECTION: DOUGLAS COUNTY		
									VALVE			DATE: JULY 2017		
												DWG: B10		

NOTES:

1. CONCRETE SHALL MEET THE REQUIREMENTS OF SECTION 202.12 OF THE STANDARD SPECIFICATIONS FOR PUBLIC WORKS CONSTRUCTION.
2. IN ALL AREAS, LIDS SHALL BE SET FLUSH WITH FINISHED GRADE UNLESS OTHERWISE NOTED.
3. THE CONCRETE COLLAR SHALL BE 1/4" BELOW SURROUNDING PAVEMENT.
4. SPLICES IN WIRE SHALL BE CONNECTED BY WIRE NUTS AND WRAPPED WITH U/L LISTED ELECTRICAL TAPE, OR AS SPECIFIED BY WATER UTILITY.
5. THE CONTRACTOR SHALL PROVIDE AND INSTALL EXTENSION STEMS SO THAT VALVE OPERATING NUT IS NOT GREATER THAN 5 FEET BELOW FINISHED GRADE.
6. 10" VALVE BOX AND COVER MARKED "WATER" CHRISTY G-5 (AS APPROVED BY WATER UTILITY) WITH CAST IRON LID OR EQUAL. SEE "VALVE BOX" DETAIL B11.
7. VALVE:
 - FULL FLOW WATERWAY
 - O-RING SEAL
 - WEDGE DESIGN
 - FULL EPOXY COATING INSIDE AND OUT
 - OPERATOR NUT
 - 235 PSI RATING
 - STAINLESS STEEL BOLTS WITH BRONZE OR STAINLESS STEEL NUTS
 - LOW ZINC OR SS STEM
 - AWWA C509
 - RESILIENT WEDGE
8. THRUST BLOCK OR CONCRETE PILLOW WITH #4 REBAR OR ZINC COATED CHAIN MAY BE REQUIRED AT THE DISCRETION OF THE WATER UTILITY. MATERIAL USED FOR THRUST BLOCKING SHALL NOT PREVENT ACCESS TO THE BOLT ASSEMBLY.
9. THRUST BLOCK MAY BE ELIMINATED FOR FLANGED VALVES WITH MUELLER AQUAGRIP OR APPROVED EQUAL FLANGED RESTRAINT ADAPTOR, UNLESS CONSTRUCTING IN THE GARDNERVILLE WATER COMPANY SERVICE AREA.
10. RESTRAINTS PER ENGINEER'S DESIGN, BUT MANUFACTURER PARTS AS APPROVED BY WATER UTILITY.
11. ALL APPURTENANCES SHALL BE AS SPECIFIED, UNLESS APPROVED AS EQUAL BY WATER UTILITY.
12. VALVES LARGER THAN 12-INCH SHALL BE BUTTERFLY VALVES, OR AS APPROVED BY WATER UTILITY.

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