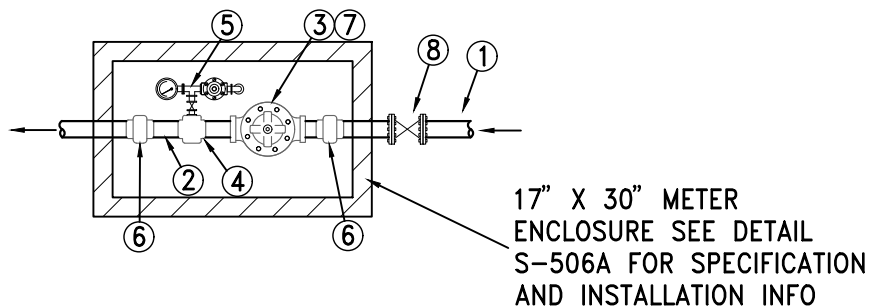


1-1/2" AND 2" PRESSURE REDUCING VALVE SERVICE RETROFIT

VALVE SIZE SHALL BE DETERMINED BY DESIGN FLOW. DESIGN FLOW SHALL BE BETWEEN 20% AND 80% OF PRESSURE REDUCING VALVE MAXIMUM FLOW AS PUBLISHED BY MANUFACTURER. ALL MATERIALS SHALL BE RATED FOR 200 PSI WORKING PRESSURE MINIMUM UNLESS SPECIFICALLY APPROVED BY THE CITY OF SPARKS. THE MAINLINE CONNECTION, METER VAULT, AND ALL PIPELINE BETWEEN THE CONNECTION AND VAULT MUST BE INSPECTED BY THE CITY OF SPARKS PRIOR TO SERVICE.

- ① 2" POLYETHYLENE SUPPLY PIPING WITH REQUIRED FITTINGS, PURPLE STRIPED, RATED FOR NORMAL WORKING PRESSURE OF 200 PSI (DR 9). PROVIDE SURGE ALLOWANCE TO 300 PSI.
- ② 2" RIGID COPPER PIPE RATED FOR NORMAL WORKING PRESSURE OF 200 PSI (PROVIDE SURGE ALLOWANCE TO 300 PSI), DIRECT BURY USE WITH REQUIRED FITTINGS.
- ③ 1-1/2" OR 2" THREADED CLA-VAL MODEL 90-01 PRESSURE REDUCING VALVE OR APPROVED EQUAL. SUBMIT FOR APPROVAL.
- ④ 1-1/2" OR 2" TEE
- ⑤ REDUCE TO 3/4", CLOSE NIPPLE, 3/4" ISOLATION BALL VALVE, 3/4" TEE. ONE SIDE-LIQUID FILLED PRESSURE GAUGE W/FITTINGS, 0-150 PSI. OTHER SIDE-NIPPLE, 3/4" CLA-VAL MODEL 55F PRESSURE RELIEF VALVE (OR APPROVED EQUAL) SET TO RELEASE AT 100 PSI (OR IRRIGATION SYSTEM OPERATING PRESSURE) SUBMIT FOR APPROVAL, CLOSE NIPPLE, 90° ELBOW POINTED DOWN. PROVIDE PIPE SUPPORT FOR PRESSURE RELIEF VALVE.
- ⑥ 1-1/2" OR 2" UNION. FOR 1-1/2" SERVICE, USE 1-1/2" X 2" UNION OR REDUCER ON UPSTREAM END.
- ⑦ T. CHRISTY ENTERPRISES, MAXI VALVE IDENTIFICATION TAG, ID-MAX-P2-RC006, OR APPROVED EQUAL. TWO SIDED TAG READING "AVISO AGUA IMPURA NO TOMAR" AND "WARNING RECYCLED/RECLAIMED WATER DO NOT DRINK".
- ⑧ 2" EPOXY COATED, IRON BODY, FL X FL, NON-RISING STEM, SOLID WEDGE GATE VALVE, 2" OPERATING NUT, 200 PSI WORKING PRESSURE, MUELLER A-2360 RESILIENT WEDGE GATE VALVE OR APPROVED EQUAL. REFERENCE DETAIL S-510.

PRESSURE SETTING SHALL BE AS DETERMINED BY DESIGN ENGINEER. PRESSURE SETTING SHALL BE PERMANENTLY RECORDED ON VALVE IN A MANNER ACCEPTABLE TO CITY INSPECTOR.



STANDARD DETAILS FOR PUBLIC WORKS CONSTRUCTION

DRAWING No.



RECLAIMED WATER 1-1/2"
& 2" PRV RETROFIT

S-516A

APPROVED BY: JE | DATE: 1/2020