



- NOTES:
1. SOLENOID & PRV CONDUIT SHALL BE BURIED 1" PVC OUTSIDE PRV VAULT AND 1" FLEX. LIQUID TIGHT TUBING INSIDE PRV VAULT.
  2. ALL ELECTRICAL FITTINGS/CONDUIT SHALL BE ELECTRICAL, COMMERCIAL GRADE.
  3. CONTRACTOR SHALL CORE DRILL CONDUIT HOLES AND USE CALPICO PIPE LINX OR APPROV. EQUAL FOR WATERTIGHT SEAL. (MAY COME INTO VAULT AT 30" TRENCH DEPTH)
  4. CONTRACTOR SHALL USE TYPE LB CONDUIT BODY FOR FLOWMETER AND TYPE LBT CONDUIT BODY FOR SOLENOIDS.
  5. SOLENOID AND FLOWMETER TUBING INSIDE VAULT SHALL BE SUPPORTED OR STRAPPED EVERY 3 FT. (FIBERGLASS UNI-STRUT OR APPROV. SUBSTITUTE)

**EXISTING COMPONENTS**

1. EXISTING 6"ø x 6"L FLG DI SPOOL W/ 3/4" TAPPING BOSS
2. EXISTING 6" FLG GV W/ PIPE SUPPORT
3. EXISTING 6" PRESSURE REGULATOR VALVE - CLA-VAL, MODEL 90G-01ACB
4. EXISTING 6"ø x 10"L DI SPOOL - FLG x PE W/ MEGAFLANGE ADAPTOR 1000 & 3/4" TAPPING BOSS
5. EXISTING 3/4" BRASS NIPPLE, 3/4" GV., 3/4" x 1/2" BUSHING, & 0-200 PSI PRESSURE GAUGE
6. EXISTING 6" FLG TEE
7. EXISTING 6" COMPANION FLG TAPT 2"
8. EXISTING 2" GALV NIPPLE
9. EXISTING 2" x 90° GALV ELL
10. EXISTING 2" GALV UNION
11. EXISTING 2" SCREWED GV (WHEEL HANDLE - AWWA)
12. EXISTING 2" x 3/4" TEE, 3/4" NIPPLE, 3/4" GV, 3/4" x 1/2" BUSHING, & 0-200 PSI PRESSURE GAUGE
13. EXISTING 2" PRESSURE REGULATOR VALVE - CLA-VAL MODEL 90G-01ACSB (THREADED)
14. EXISTING UTILITY VAULT CO. # 38-687 VAULT - 6' x 8' x 7' (INSIDE DIMENSIONS) TWO SECTION VAULT WITH # 4874 CAST IN FLUSH GALV. TORSION HINGED TRAFFIC COVER & NO FLOOR
15. EXISTING 6" FLG x PE DI PIPE (LENGTH AS NEEDED) W/ MEGAFLANGE ADAPTOR 1000
16. EXISTING 6" MJ TEE
17. EXISTING 6" CLASS 150 C900 PVC PIPE
18. EXISTING 6" MJ GV
19. EXISTING MAIN PIPELINE
20. EXISTING VAULT LID OPENING
21. EXISTING 6" MINIMUM OF 3/4" DRAIN ROCK ON BOTTOM W/ 26"± MAXIMUM CLEARANCE BTW ROCK AND PRV

**PROPOSED COMPONENTS**

22. PROPOSED 6" ABB MAGMASTER PLUS ELECTROMAGNETIC FLOWMETER (FLG. ENDS) WITH REMOTE TRANSMITTER AND 50' CABLE.
23. PROPOSED 6" DIA. X 12" LONG DUCTILE IRON SPOOL (FLG)
24. PROPOSED 6" DIA. X 24" LONG DUCTILE IRON SPOOL (FLG)
25. PROPOSED CONVERSION KIT FROM 90-01 SERIES TO 93EG-01 SOLENOID-CONTROLLED PRV. 6" CLA-VAL KIT NUMBER 93EG-01-BCY, 2" CLA-VAL KIT NUMBER 93EG-01-BCSY. (NORMALLY CLOSED VALVES WITH 24 VDC COILS.)
26. PROPOSED AMETEK PRESSURE TRANSMITTER (0-300 PSI) MFG. MODEL 831TG0300LS OR GRANGER ITEM #1X819 (INLET SIDE). CONTRACTOR SHALL SUPPLY AND INSTALL PRESSURE SNUBBER AND REQUIRED MISC. FITTINGS.
27. PROPOSED AMETEK PRESSURE TRANSMITTER (0-100 PSI) MFG. MODEL 831TG0100LS OR GRANGER ITEM #1X817 (OUTLET SIDE). CONTRACTOR SHALL SUPPLY AND INSTALL PRESSURE SNUBBER AND REQUIRED MISC. FITTINGS.
28. PROPOSED POWER SONIC MODEL PS-121000 12-VOLT 100 AMP SEALED RECHARGABLE BATTERY. QTY: 2
29. 10 AMP C-CHARGER CI SERIES AUTOMATIC FLOAT FERRORESONANT BATTERY CHARGER MODEL Ci2410C.
30. CUSTOM BUILT BATTERY RACK (TO BE FABRICATED FROM 2" X 2" X 1/4" ANGLE IRON WITH RY-GRIP (OR APPROVED EQUAL) GRATING. 1" X 1/4" STEEL STOCK TO BE WELDED AROUND PERIMETER OF GRATING VERTICALLY TO CONTAIN BATTERIES AND CHARGER. RACK TO BE DESIGNED TO LOCATE TOP OF BATTERIES 4" BELOW UNDERSIDE OF VAULT LID. ENTIRE RACK TO BE GALVANIZED FOLLOWING FABRICATION. CONTRACTOR SHALL SUBMIT SHOP DRAWINGS FOR DISTRICT ENGINEER'S APPROVAL PRIOR TO FABRICATION.
31. STEEL LADDER WITH 3/4" DIAMETER RUNGS SPACED 12" O.C. LADDER TO BE FABRICATED FROM 3/8" THK. 2" WIDE STEEL STOCK. LADDER TO BE APPROXIMATELY 6' LONG WITH 6" CLEARANCE AT BOTTOM OF VAULT. LADDER SHALL BE ANCHORED TO VAULT WALL WITH THREE MOUNTING BRACKETS (TOP, MIDDLE AND BOTTOM) THE ENTIRE LADDER SHALL BE GALVANIZED AFTER FABRICATION. CONTRACTOR SHALL SUBMIT SHOP DRAWINGS FOR DISTRICT ENGINEER'S APPROVAL PRIOR TO FABRICATION.
32. GALVANIZED HIGH STRENGTH STEEL LADDER UP SAFETY POST (BILCO OR APPROVED EQUAL)
33. VAULT PENETRATIONS (THREE TOTAL) TO BE ROUTED TO PEDESTAL WITH CORRESPONDING CONDUCTORS/WIRES.

Date	04/18/03
Revision/Issue	ISSUED FOR APPROVAL 04/18/03
No.	4
	ISSUED FOR CONSTRUCTION 04/18/03

**PRV VAULT ADDITIONS/MODIFICATIONS  
DETAILS AND NOTES**

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**CWO. NO. 03-137  
DATE: 02/06/03  
SCALE: AS NOTED  
DESIGN BY: TAD**

**DWG. NO.  
B-03-2118-E**

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**SHEET  
B-3**