

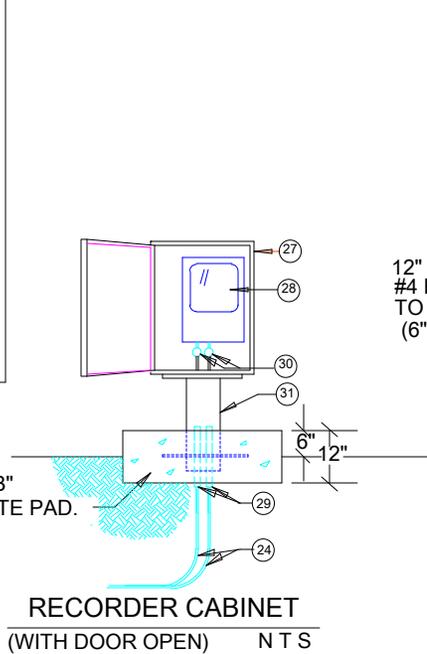
PRESSURE REDUCING STATION

\* SHIP LOOSE

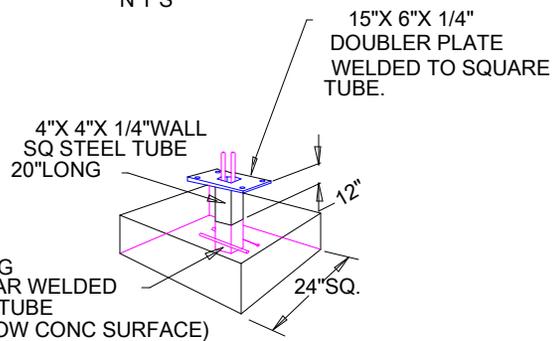
TYPICAL LAYOUT

NTS

**CAUTION:**  
IF THIS PRESSURE REDUCING STATION SUPPLIES WATER INTO A DEAD END SYSTEM, A PRESSURE RELIEF SHOULD BE ADDED TO THE DEAD END SYSTEM.



RECORDER CABINET  
(WITH DOOR OPEN) NTS



DETAIL "A"  
NTS

TABLE I

STATION SIZING SIZE "P" "S"	MAX. CAP. (1)	BRANCH LINE SIZE		
		"A"	"B"	"C"
2" X 4"	1008	8"	6"	4"
2" X 6"	2008	10"	8"	4"
3" X 8"	3560	14"	12"	4"
3" X 10"	5360	16"	14"	4"
4" X 12"	7800	18"	16"	6"

**NOTE:**

THE ENGINEER OF DESIGN MUST SUBMIT TO THE DISTRICT, A SPECIFIC DESIGN BASED ON THE TYPICAL LAYOUT FOR EACH INSTALLATION FOR REVIEW AND WRITTEN APPROVAL PRIOR TO CONSTRUCTION AND SUBMITTALS FOR PIPING, GAUGES, AND CHART RECORDER.

(1) STATION SIZE REFERS TO NOMINAL DIAMETERS OF THE PRESSURE REDUCING VALVES

"P"= PRIMARY PRV SIZE FOR NORMAL DOMESTIC FLOWS

"S"= SECONDARY PRV SIZE FOR GREATER THAN NORMAL FLOWS

REFER TO STANDARD DRAWING NO W-1565 FOR MECHANICAL MATERIALS LIST AND GENERAL NOTES



APPROVED DATE: January 01, 2011

*Joseph Kennedy*  
DIRECTOR OF ENGINEERING

STANDARD DRAWING  
PRESSURE REDUCING STATION  
TYPE "B"  
(TYPICAL LAYOUT)

STD. DWG.  
NO.

W-1564  
1 OF 3

## GENERAL NOTES

1. THE REQUIRED PRESSURE REDUCING STATION CAPACITY AND SIZE SHALL BE DETERMINED BY DISTRICT.
2. ALL MATERIALS, MATERIALS TESTING AND INSPECTION SHALL BE IN ACCORDANCE WITH THE REQUIREMENTS OF THE DISTRICT STANDARDS. FAILURE TO MEET THESE REQUIREMENTS WILL BE CAUSE FOR REJECTION.
3. DISTRICT SHALL BE NOTIFIED AT LEAST 48 HOURS PRIOR TO CONSTRUCTION.
4. CONTRACTOR SHALL SHORE ALL EXCAVATIONS IN ACCORDANCE WITH CAL-OSHA REQUIREMENTS.
5. UNLESS OTHERWISE APPROVED BY DISTRICT, VAULTS AND ELECTRICAL EQUIPMENT SHALL BE LOCATED TO SET BEHIND EXISTING OR FUTURE CURBS.
6. DETAILS OF VAULTS FOR ALL PRV STATION SIZES SHALL BE SUBMITTED TO DISTRICT FOR APPROVAL.
7. THE DESIGN SHOWN IS TYPICAL AND SYMMETRICAL, THE DISTRICT WILL INDICATE WHICH FEATURES SHALL BE MODIFIED.
8. ALL STD. PIPING AND FITTINGS SHALL BE EPOXY LINED WITH 10 MILS MIN. (2-COATS, 5 MILS EA.) OF KEYSITE 750 OR APPROVED EQUAL.
9. ALL EXPOSED PIPING SHALL BE PRIMED AND FIELD PAINTED PER DISTRICT SPECIFICATION, ALL BURIED PIPING, SHALL BE CEMENT MORTAR COATED (CMC) OR ASPHALT WRAPPED (AW) PER DISTRICT SPECIFICATION.
10. ONE (1) PIPE SUPPORT SHALL BE FURNISHED AND INSTALLED UNDER LINES B, AND C, WITHIN PRV VAULT.
11. PRESSURE CLASS TO BE DETERMINED BY THE DISTRICT.
12. INSIDE THE VAULT CLEARANCE FROM TOP OF VALVE TO BOTTOM OF VAULT LID SHALL BE GREATER THAN OR EQUAL TO 6".
13. CLEARANCE BETWEEN PIPE/VALVE BOTTOM AND INSIDE VAULT FLOOR SHALL BE GREATER THAN OR EQUAL TO 18".
14. LINE "B" AND "C" SHALL BE LEVEL.
15. ALL EXPOSED PIPING INSIDE VAULT SHALL BE PAINTED WITH 2 COATS (8 MILS MIN.) OF "DESERT SANDS" (TNEMEC AH52) OVER AND APPROVED ALKYD RUST INHIBITIVE PRIMER.

## MECHANICAL MATERIALS LIST

- ① PRIMARY ("P", SEE TABLE 1) SIZE PRESSURE REDUCING, PRESSURE REGULATING, CHECK VALVE FLANGED ENDS, STAINLESS STEEL TRIM, EPOXY LINED, W/POSITION INDICATOR, CLA-VAL MODEL 92G-01 BD5YKX101 (50 A or G).
- ② SECONDARY ("S" SEE TABLE 1) SIZE PRESSURE REDUCING, PRESSURE REGULATING, CHECK VALVE, FLANGED ENDS, STAINLESS STEEL TRIM, EPOXY LINING, POSITION INDICATOR, CLA-VAL MODEL 91G-01 BD5YKX101 (50 A or G).
- ③ "A" SIZE DISHED HEAD, 10 GA STEEL CML/CMC.
- ④ "P" SIZE WELD NECK, STD WT STEEL
- ⑤ "P" SIZE X "C" SIZE ECCENTRIC REDUCER, STD WT, INSTALLED TOP FLAT WITH "C" END GROOVED FOR VICTAULIC FLANGE.
- ⑥ "C" SIZE SLIP-ON FLANGE
- ⑦ "C" SIZE GROOVE X FLANGE ADAPTER, VICTAULIC STYLE 741
- ⑧ "C" SIZE CML WSP, 10 GA, ADD 12" CTF. CMC WHERE BURIED, AND OUTSIDE PAINTED INSIDE VAULT.
- ⑨ "C" SIZE FLG'D RS GATE VALVE
- ⑩ "C" SIZE SIDE OUTLET, 10 GA CML/CMC, W/COLLAR PER AWWA M-11
- ⑪ "S" SIZE WELD NECK FLANGE, STD WT STEEL



APPROVED DATE: January 01, 2011

*Joseph Penzly*  
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DIRECTOR OF ENGINEERING

STANDARD DRAWING  
PRESSURE REDUCING STATION  
TYPE "B"  
(GEN NOTES AND MAT LIST)

STD. DWG.  
NO.

W-1564  
2 OF 3

