



PRESSURE REDUCING VALVE (PRV) - NOTES

1. PRV SHALL BE CLA VAL 90-01 A, B, KC, OR PRE-APPROVED EQUAL WITH VALVE POSITION INDICATOR AND SHALL BE CAPABLE OF RETURN FLOW.
2. PRV SHALL BE SIZED FOR SITE SPECIFIC CONDITIONS.
3. ALL BYPASS PIPING TO BE SAME SIZE AS MAIN.
4. ALL PIPING WITHIN VAULT AND THROUGH WALLS, SHALL BE D.I.P. ALL FITTINGS WITHIN VAULT SHALL BE FLANGED.
5. VAULT TO BE SIZED SUCH THAT THERE IS A MINIMUM OF 30 IN. WORKING AREA BETWEEN WALLS AND ANY PIPE APPURTENANCES. VAULT SIZES ARE MINIMUM, AND SHALL BE DETERMINED BY GEOMETRICS OF ACTUAL PIPING ITEMS USED. CONTRACTOR SHALL SUBMIT VAULT SIZE PRIOR TO INSTALLATION.
6. BID ITEM FOR PRV INCLUDES VAULT, BYPASS, AND ALL ASSOCIATED APPURTENANCES.
7. BID ITEM SHALL BE CALLED FOR BASED ON MAIN SIZE AND PRV SIZE ASSEMBLY. (IE. 12 IN. X 8 IN. PRV ASSEMBLY).
8. ACCESS DOOR-30 IN. X 40 IN. MIN. SIZE: PARKWAY INSTALLATIONS-FLUSH MOUNTED. TRAFFIC-INSTALLATIONS HS20 TOP MOUNTED. DOOR SHALL BE SPRING ASSISTED, SUBMIT MAKE AND MODEL FOR ENGINEER'S WRITTEN APPROVAL.
9. PRV ASSEMBLY TO BE HOUSED IN A PRECAST METER VAULT, SUBMIT MAKE AND MODEL FOR ENGINEER'S WRITTEN APPROVAL. WHERE LINE PROTRUDES THROUGH VAULT, WALLS SHALL BE POURED TO ACCEPT INSTALLATION OF LINK SEAL TO MAINTAIN WATER TIGHT SEAL.
10. VAULT INCLUDING ACCESS DOOR SHALL BE DESIGNED FOR HS20 LOADING MINIMUM.
11. SPOOL PIECE TO BE UNIFLANGE RESTRAINED/REMOVABLE FLANGE CONNECTIONS.
12. BOX TOP SHALL BE INSTALLED 2 IN. ABOVE EXISTING GROUND.
13. THE ASSEMBLY SHALL BE READILY ACCESSIBLE FOR TESTING AND MAINTENANCE, WITH A MINIMUM CLEARANCE OF 12 IN. ALL AROUND THE ASSEMBLY.

MAIN SIZE	MIN. VAULT SIZE
6 IN.	10 FT. X 6'-6"
8 IN.	11 FT. X 7 FT.
10 IN.	12 FT. X 7 FT.
12 IN.	12'-6" X 7 FT.
16 IN.	15'-6" X 7 FT.

DISCLAIMER: THE USE OF THIS STANDARD IS GOVERNED BY THE "TEXAS ENGINEERING PRACTICE ACT". NO WARRANTY OF ANY KIND IS MADE BY THE CITY OF WACO FOR ANY PURPOSE WHATSOEVER. THE CITY OF WACO ASSUMES NO RESPONSIBILITY FOR THE CONVERSION OF THIS STANDARD TO OTHER FORMATS OR FOR INCORRECT RESULTS OR DAMAGES RESULTING FROM ITS USE.

	<h3 style="margin: 0;">ENGINEERING DIVISION</h3>		REVISIONS				DATE 8/25/2021
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