

LOW PRESSURE SIDE SETTINGS

"A" PRV PSI LHG
 "B" PRV PSI HHG
 INVERT ELEVATION

FOR SETTINGS, SEE DRAWINGS

PRESSURE REDUCING VALVE VAULT
 SEE DETAILS W/4.2 OR W/4.3

PRESSURE REDUCING
 VALVE "A", SEE NOTE 1

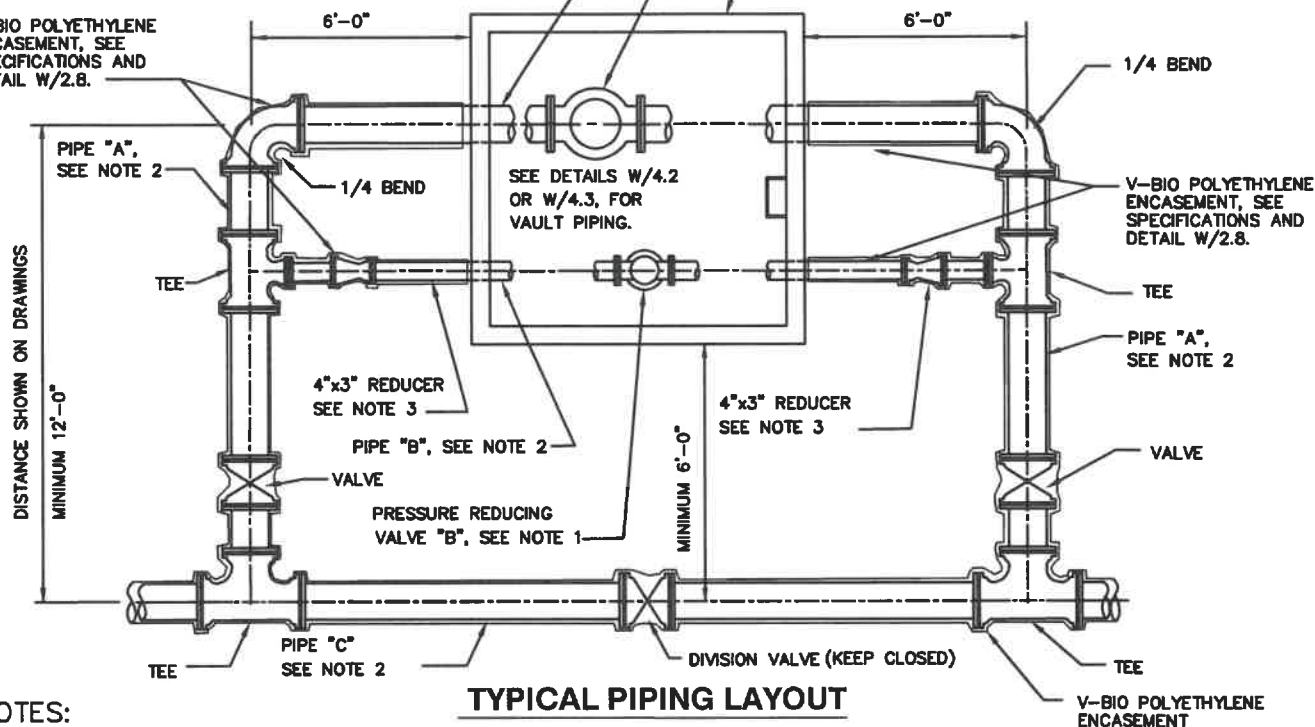
PIPE "A",
 SEE NOTE 2

HIGH PRESSURE SIDE RANGE

LOW PSI LHG
 HIGH PSI HHG

FOR SETTINGS, SEE DRAWINGS

V-BIO POLYETHYLENE
 ENCASUREMENT, SEE
 SPECIFICATIONS AND
 DETAIL W/2.8.



NOTES:

TYPICAL PIPING LAYOUT

1. PRESSURE REDUCING VALVE "A", AS SHOWN ON DETAIL W/4.2: MAXIMUM DIA. 12", MINIMUM DIA. 4".
 PRESSURE REDUCING VALVE "A", AS SHOWN ON DETAIL W/4.3: MAXIMUM DIA. 6", MINIMUM DIA. 4".
 PRESSURE REDUCING VALVE "B", AS SHOWN ON DETAIL W/4.2: MAXIMUM DIA. 6", MINIMUM DIA. 3".
 PRESSURE REDUCING VALVE "B", AS SHOWN ON DETAIL W/4.3: SMALLER THAN 3" DIA.
2. PIPE "A" SHALL BE SAME SIZE AS PRESSURE REDUCING VALVE "A", UNLESS NOTED ON DRAWINGS.
 PIPE "B" SHALL BE SAME SIZE AS PRESSURE REDUCING VALVE "B", MINIMUM SIZE SHALL BE 4" DIA, EXCEPT 3" PRV
 SHALL HAVE 4"x3" REDUCER
 PIPE "C", SEE DRAWINGS.
3. PROVIDE 4"x3" REDUCER FOR 3" PRESSURE REDUCING VALVE.
 SEE DETAIL W/4.3 FOR SMALLER THAN 3" PRESSURE REDUCING VALVES.
4. PROVIDE M.J. SOLID SLEEVE WHERE SHOWN WITH WEDGE ACTION RESTRAINER GLAND, SEE SPECIFICATION.
 TOLERANCE BETWEEN PIPE ENDS SHALL NOT EXCEED 1/2". DO NOT USE PIPE SPACERS, SEE SPECIFICATIONS.
5. ONLY DUCTILE IRON PIPE AND FITTINGS, SEE DRAWINGS FOR SIZES.
6. RESTRAIN ALL JOINTS ON PIPE "A" FROM TEE TO TEE AND PIPE "B" WITH WEDGE ACTION RESTRAINER
 GLANDS, SEE SPECIFICATION.
7. PROVIDE EXTENSION STEMS AND VALVE BOXES FOR ALL BURIED VALVES, SEE DETAIL W/2.2.
8. THIS VALVE VAULT IS NOT FOR ELECTRICALLY CONTROLLED OR OPERATED VALVES.
9. STANDARD PRESSURE REDUCING VAULT IS BASED ON THE ASSUMPTIONS AND LIMITATIONS.
 IF THESE CONDITIONS ARE NOT MET, SPECIAL DESIGN IS REQUIRED.
 a). ELEVATION OF GROUNDWATER TABLE IS ASSUMED TO BE 2'-0" BELOW BOTTOM SLAB ELEVATION.
 b). LOCATION OF THE VAULT IS ASSUMED TO BE LOCATED OUTSIDE THE ROAD RIGHT OF WAY.
10. V-BIO POLYETHYLENE ENCASUREMENT FOR ALL DUCTILE IRON PIPE AND FITTINGS. SEE DETAIL W/2.8 AT CONCRETE INTERFACE.
11. PROVIDE RUBBER ANNULAR HYDROSTATIC SEALING DEVICES FOR ALL PIPE THROUGH WALL CONNECTIONS, SEE SPECIFICATIONS.
12. DO NOT LOCATE VAULT IN PAVED AREAS.

WASHINGTON
 SUBURBAN
 SANITARY
 COMMISSION

APPROVED: 5-26-21

 Chief Engineer

STANDARD DETAIL

TYPE 1 AND 2 PRESSURE
 REDUCING VALVE VAULT
 PIPING LAYOUT

W
 4.4