

PIPE SIZE	VALVE SIZE	R	S	P	T	U (MIN.)
16"	16"	11'-0"	3'-6"	7'-0"	2'-4"	1'-5"
20"	20"	11'-0"	3'-6"	7'-0"	2'-4"	1'-5"
24"	24"	12'-0"	4'-0"	7'-0"	2'-4"	1'-5"
30"	30"	14'-0"	4'-6"	8'-6"	2'-7"	2'-0"
36"	36"	16'-0"	5'-0"	8'-6"	2'-7"	2'-0"

NOTES:

1. THIS VALVE VAULT IS NOT FOR ELECTRICALLY OPERATED VALVES.
2. PROVIDE SHORT TYPE MJ SOLID SLEEVE WITH WEDGE ACTION RESTRAINED JOINTS, SEE SPECIFICATIONS. TOLERANCE BETWEEN PIPE ENDS SHALL NOT EXCEED 1/2". DO NOT USE PIPE SPACERS, SEE SPECIFICATIONS.
3. TAP SIZES FOR CORPORATION STOPS: 1-1/2" FOR 16" AND 20" DIAMETER PIPE, 2" FOR 24" DIAMETER PIPE AND LARGER.
4. FOR STRUCTURAL DETAILS SEE DETAILS W/2.5 AND W/2.5a.
5. PROVIDE FLANGE BOLT END PROTECTION FOR ALL FLANGED JOINTS IN VAULTS, SEE SPECIFICATIONS.
6. PROVIDE RUBBER ANNULAR HYDROSTATIC SEALING DEVICES FOR PIPE THROUGH WALL CONNECTIONS, SEE SPECIFICATIONS. PROVIDE PIPE OPENING LARGE ENOUGH TO ALLOW FLANGE OR BELL JOINT TO PASS THROUGH.
7. SEE DETAIL W/2.8 FOR POLYETHYLENE ENCASEMENT AT CONCRETE INTERFACE.

WASHINGTON
SUBURBAN
SANITARY
COMMISSION

APPROVED: 7-26-21


Chief Engineer

STANDARD DETAIL
16-INCH, 20-INCH, 24-INCH, 30-INCH
AND 36-INCH
HORIZONTAL VALVE
INSTALLATIONS

W
2.4a