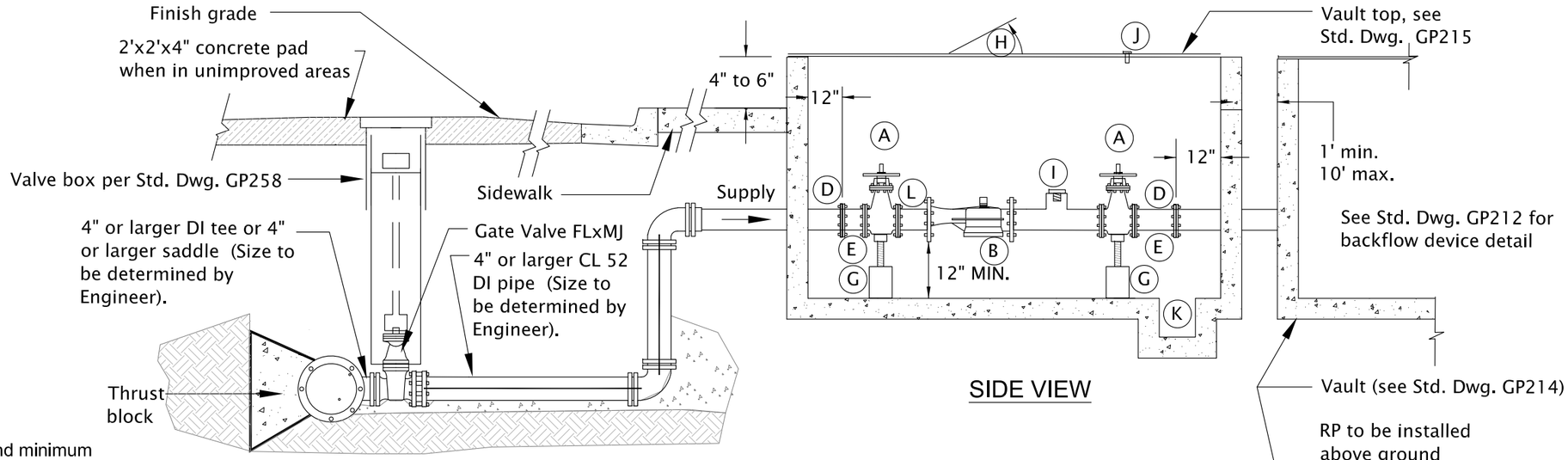

General Notes

1. Vaults shall be sized per specifications and minimum clearances. When required, vaults shall be designed for site specific conditions by a registered Professonal Engineer.
2. All vaults shall be supported with adequate concrete floor and shall be designed to prevent bouyancy from groundwater if groundwater exists at any time during the year. Vaults shall be water-tight.
3. Precast concrete utility vaults may be used in lieu of cast-in-place when sizes are available.
4. Backflow devices to be installed on service and irrigation lines as required.
5. Standard bypass size is 2".
6. Service and irrigation line sizes will vary according to need.
7. Tees and valves shall be supported with adjustable screw jacks or adjustable pipe supports.
8. Vault depth shall be such that there is a minimum clearance to the vault lid of 6" when the valves are fully open.
9. Provide flexible connections on piping within 18" of vault wall.
10. Provide opening and ladder locations, vault drainage and pipe penetrations in accordance with special provisions and contract drawings.
11. Provide 12" clear from all fittings & valves to floor.
12. See project plans for details not shown.
13. All valves shall be flanged resilient wedge gate valve with wheel operator.
14. See Std. Dwg. GP214 for vault details.
15. See Std. Dwg. GP215 for lid details.
16. Vault to be located directly behind sidewalk or 5' behind curb and gutter
17. All buried fitting to be restrained mechanical joint. All fittings in vault to be flanged joints.

Descriptions

- (A.) Service size flanged resilient wedge gate valve with wheel operator.
- (B.) Meter (as approved by GP Water Division)
- (C.) 2"Ø bypass line (brass or copper)
- (D.) Flanged coupling adapter restrained
- (E.) Flanged tee
- (F.) Iron pipe threaded 90° bend
- (G.) Adjustable screw jack or adjustable pipe support
- (H.) Peep hole. See Std. Dwg. GP215
- (I.) Testing tee with 2" brass plug
- (J.) Metron pit-pak remote reader (or approved equal) (test tee and meter combo to be equal to standard lay length of meter size) 17" lay length for 3", 4" & 6" meters
- (K.) Drain or sump (see Std. Dwg. GP214)
- (L.) Uniflanged fitting (or approved equal)
- (M.) FLG x 2" IPS adapter
- (N.) 2" brass union
- (O.) 2" flanged resilient wedge gate valve with wheel operator

The selection and use of this standard drawing, while designed in accordance with generally accepted engineering principles and practices, is the sole responsibility of the user.

Designed By:	STAFF
Drawn By:	KJD
Checked By:	MPT
Approved:	JMC

No.	Date	Revisions	App. By

CITY OF GRANTS PASS
101 Northwest 'A' Street
Grants Pass, OR 97526
(541) 450-6060 ph (541) 476-9218 fax

3" AND LARGER WATER SERVICE

2018

DWG. NO. GP278