



BILL OF MATERIALS:

1. 18" LONG FLANGED DUCTILE IRON SPOOL.
2. FLANGED DUCTILE IRON TEE WITH OUTLET.
3. FLANGED RESILIENT WEDGE (RW) GATE VALVE, WITH FACTORY FUSION-BONDED EPOXY INSIDE WEDGE TO BE RUBBER ENCAPSULATED DUCTILE IRON WITH 2" SQUARE OPERATING NUT.
4. RW GATE VALVE. EPOXY & WEDGE SAME AS #3. (CLOSED VALVE)
5. FACTORY ASSEMBLED COMPACT FIRE FLOW METER MANUFACTURED BY SENSUS.
6. 90° FLANGED DUCTILE IRON ELBOW.
7. FLANGED DUCTILE IRON SPOOL (L=VARIES)
8. PVC PIPE C900 CLASS 200
9. FLANGE X PUSH ON ADAPTER.
10. APPROVED SEALANT AROUND PIPE OPENINGS. NON-SHRINK GROUT IF ABOVE WATER TABLE AND LINK SEAL IF BELOW.
11. VICTAULIC COUPLING W/ 2 EACH 6" FLG X VIC GROOVE SPOOLS.
12. FLANGED SPOOL
13. BILCO 2 PIECE OR USF 2 PIECE ALUMINUM DIAMOND PLATE HATCH. THE HATCH MUST COVER THE LIMITS OF EITHER SIDE OF THE RW GATE VALVE ON THE MAIN LINE. RATING OF HATCH WILL BE MADE ON A CASE BY CASE BASIS, APPROVED BY THE WATER UTILITIES DEPARTMENT.
14. PIPELINE PRODUCTS GVL-200 LOCKING GATE VALVE CAP.
15. SUPPORT METER WITH VALVE SUPPORTS PER STANDARD DWG W-18

BYPASS PIPE AND VALVES SHALL BE SAME SIZE AS METER. BYPASS VALVE #4 TO BE CLOSED AFTER INSTALLATION & LOCKING CAP INSTALLED, SEE #14.

NOTES:

1. VAULT DEPTH NOT TO EXCEED 5'-0" FROM TOP OF VAULT TO FLOOR.
2. SERVICES 6" AND LARGER REQUIRE SPECIAL DESIGN.
3. VAULT FRAME AND COVER PER W-19 AND W-20.

Revision	By	Approved	Date	CITY OF OCEANSIDE	<i>Steven E. Strapan</i> CITY ENGINEER	9/17/17 Date
04/13/05	DW					
06/04/07	AC					
09/22/10	DW					
12/13/11	DW					
01/04/16	MU					
07/01/17	SM		08/01/17			