



MATERIALS:

1. ROCKWELL NO. 317 SERVICE SADDLE.
2. MUELLER NO. H15045 2" CORPORATION STOP.
3. 2" ASTM B-88, TYPE "K" RIGID COPPER.
4. 2" BRASS 90° ELB MUELLER 110 CTS.
5. 2"x3" I.P.T. X COP. MUELLER 110 COMP. COUPLING.
6. 2" I.P.T. X I.P.T. GATE VALVE (MUELLER NO. A-2360-8).
7. STAINLESS STEEL SADDLE SUPPORTS. SEE DETAIL DRAWING W-3065.
8. 2"x3" BRASS I.P.T. NIPPLE.
9. 2" AIR AND VACUUM RELEASE VALVE (VAL-MATIC #38HP OR APPROVED EQUAL).
10. 2"x 1 1/2" BRASS I.P.T. NIPPLE.
11. 2" BRASS 90° ELL (F.M. I.P.T. X F.M. I.P.T.).
12. 2" TANK VENT WITH SCREEN.
13. UTILITY VAULT 444LA WITH NO. 44-332P TOP OR APPROVED EQUAL.
14. CAST IRON VALVE BOX AND LID. SEE DETAIL DRAWING W-3020.
15. 3/4"-O CRUSHED AGGREGATE.

NOTES:

1. INSTALLATION LOCATED AT HIGH POINT OF MAIN.
2. VAULT SHALL BE MADE WATER TIGHT USING ALL-CRETE 20 MINUTE NON-SHRINK GROUT OR APPROVED EQUAL.
3. ALL PIPE AND STRUCTURE ZONES SHALL BE COMPACTED TO 95% OF MAX. DENSITY AS DETERMINED BY AASHTO T-180.
4. SEE ORIENTATION DETAILS FOR VALVE AND VAULT LOCATIONS.

Detail Drawing may not be altered or changed in any manner except by the Public Works Director. It is the responsibility of the user to acquire the most current version.

**CITY OF MOLALLA
DEPARTMENT OF PUBLIC WORKS**

STANDARD VACUUM/AIR RELEASE VALVE



DRAWN BY	PDG	05/2016
CHECKED BY	JC	05/2016

W-3060