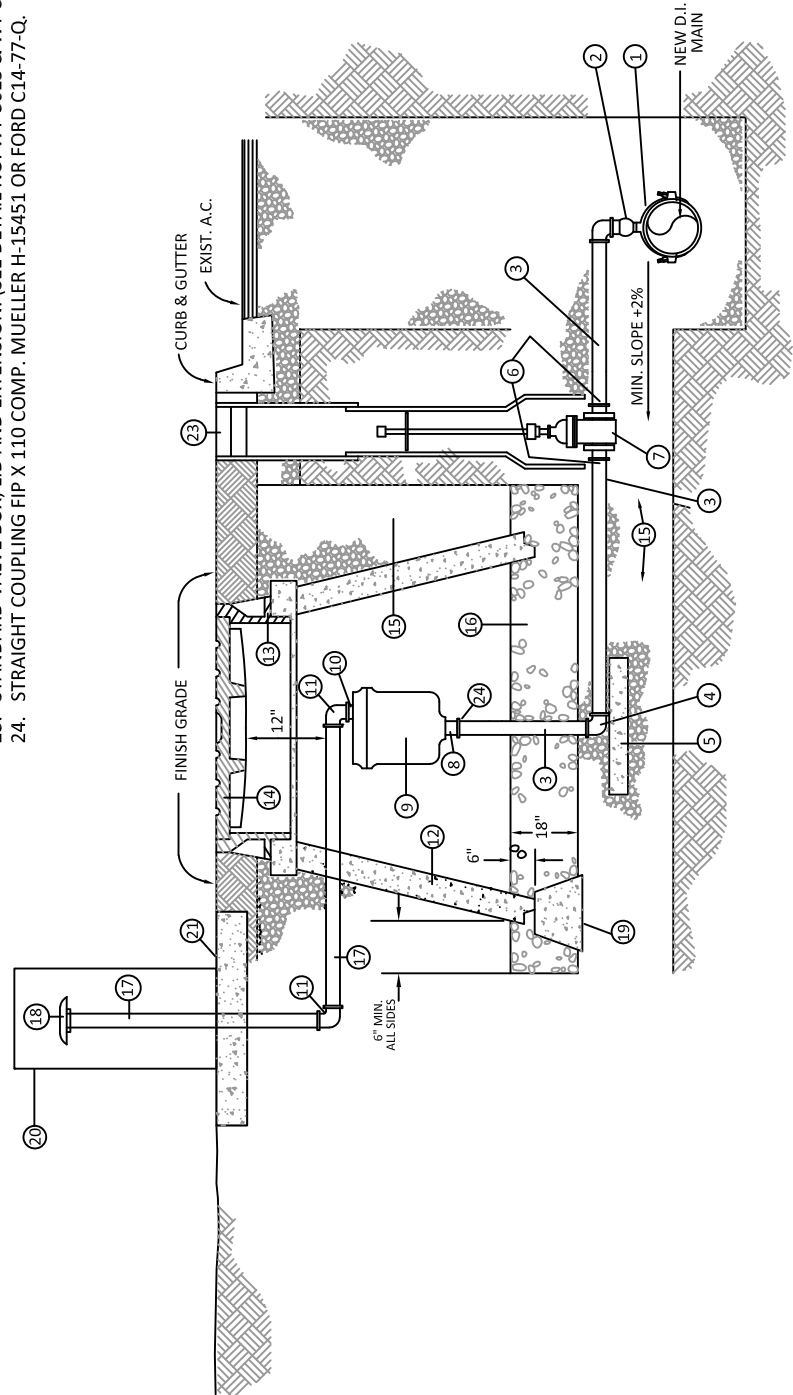


**NOTES:**

1. INSTALLATION LOCATED AT HIGH POINT OF MAIN.
2. 48" MANHOLE BARREL SECTIONS SHALL BE USED TO INCREASE DEPTH IF NECESSARY.
3. ALL PIPE AND STRUCTURE ZONES SHALL BE COMPACTED TO 95% OF MAX. DENSITY AS DETERMINED BY AASHTO T-180 OR AS SPECIFIED IN THE CONTRACT DOCUMENTS.
4. SET MANHOLE FRAME IN NON-SHRINK GROUT. SEE DETAIL NO. S-2005.
5. INSTALL AIR VACUUM VALVE ENCLOSURE PER MANUFACTURER'S RECOMMENDATIONS.

**MATERIALS**

1. STAINLESS STEEL STRAP W/DUCTILE IRON BODY SADDLE.
2. 2" CORP. STOP W/1/4 BEND AWWA "CC" THREAD X 110 COMP. -MUELLER H-15030.
3. 2" ASTM B-88 TYPE 'K' RIGID COPPER TUBING.
4. 2" 1/4 BEND 110 COMP. X 110 COMP. MUELLER H-15526 OR FORD L84-77-Q.
5. 12" X 12" X 4" CONCRETE BLOCK.
6. 2" STRAIGHT COUPLING MIP X 110 COMP. MUELLER H-15428 OR FORD C84-77-Q.
7. 2" RESILIENT WEDGE GATE VALVE (AWWA C-509), C.I. BODY, FIP ENDS, 2" NUT NON-RISING STEM. MUELLER A-2360-8.
8. 2" X 3" BRASS I.P.T. NIPPLE.
9. 2" COMBINATION AIR VALVE - SINGLE BODY VAL-MATIC 202C.2 OR APPROVED EQUAL.
10. 2" X 1 1/2" BRASS I.P.T. NIPPLE.
11. 2" BRASS 90° ELL FIP X FIP.
12. STD. 48" CONCRETE MANHOLE CONE.
13. STANDARD MANHOLE FRAME. SEE DETAIL NO. 2-2055
14. SANITARY MANHOLE COVER. SEE DETAIL NO. S-2055.
15. 3/4" MINUS CRUSHED AGG.
16. 1 1/2" - 3/4" CLEAN DRAIN ROCK.
17. 2" BRASS PIPE.
18. 2" TANK VENT WITH SCREEN.
19. 3 EACH 12" CONCRETE PIER BLOCKS
20. AIR VACUUM VALVE ENCLOSURE 12" DIA. X 36" HEIGHT ARMORCAST P6002003 SANDSTONE FINISH.
21. PCC PAD (3000 PSI STRENGTH AT 28 DAYS) 24" X 24" X 4" THICK.
22. NOT USED.
23. STANDARD VALVE BOX, LID AND EXTENSION. (SEE DETAIL NO. WT-3015 & WT-3020).
24. STRAIGHT COUPLING FIP X 110 COMP. MUELLER H-15451 OR FORD C14-77-Q.



Standard Air and Vacuum Release Valve

CITY OF  
WILSONVILLE



PUBLIC WORKS STANDARDS

DRAWING NUMBER: WT-3090

DRAWN BY: SR

SCALE: N.T.S.

FILE NAME: WT-3090.DWG

APPROVED BY: NK

DATE: 6/4/14