



NOTES:

1. ALL MATERIALS SHALL BE FURNISHED AND INSTALLED BY THE CONTRACTOR.
2. CORPORATION STOP, 90° BEND, COPPER CONDUIT OR BRASS PIPE, HAND VALVE, AIR/VACUUM VALVE, AND VENT PIPING SHALL BE SIZED AS FOLLOWS: 1" COMPONENTS FOR 12" AND SMALLER WATER LINES AND 2" COMPONENTS FOR 16" AND LARGER WATER LINES.
3. DUCTILE IRON SADDLES SHALL BE INSTALLED ON 4" DUCTILE IRON PIPE, ALL SIZES OF CAST IRON AND STEEL PIPE, AND WITH ALL 2" TAPS (REGARDLESS OF PIPE MATERIAL). ALL DUCTILE IRON APPLICATIONS OVER 4" DIAMETER SHALL BE DIRECT TAPPED. BRONZE SADDLES WITH BRONZE STRAPS SHALL BE INSTALLED ON ASBESTOS CEMENT PIPE.
4. ALL COMPONENTS INSTALLED BETWEEN THE HAND VALVE AND THE AIR/VACUUM VALVE SHALL BE BRASS OR BRONZE. SERVICE LINES SHALL BE COPPER, PEX OR HDPE INSTALLED PER DRAWINGS 507 OR 508.
5. THE AIR/VACUUM VALVE SHALL BE SET PLUMB AND CENTERED EACH WAY IN THE METER BOX.
6. CATHODIC PROTECTION WILL BE REQUIRED WHEN CONNECTING TO EXISTING MAINS PER SECTION 501.01.08.
7. AIR VALVE VENT SHALL BE EXTENDED ABOVE GRADE TO PREVENT BACKFLOW CONTAMINATION. LOCATION OF THE VENT WILL BE SITE SPECIFIC AND WILL BE DETERMINED BY THE ENGINEER.
8. CUTTING, REAMING, SIZING AND BENDING OF COPPER TUBING SHALL BE PERFORMED USING TOOLS AND PRACTICES SPECIFIC TO THOSE OPERATIONS.

CITY OF ALBANY, OREGON		
PUBLIC WORKS DEPARTMENT		
1" AND 2" COMBINATION AIR/VACUUM RELEASE VALVE		
NO SCALE	JANUARY 2018	NO. 509