



WATERTOWN FIRE DISTRICT
Standard Specifications for Water Main and Service Line Materials

<u>PIPE:</u>	Ductile Iron Class 52, Cement Lined Bituminous Seal Coat (A.W.W.A. Standard C151 latest edition)
<u>VALVE TYPE:</u>	Resilient Seated Gate Valves – Open Left (CCW). Mechanical Joint – Non-Rising-Stem (NRS) with 2” square operating nut with box and cover.
<u>VALVE MANUFACTURER:</u>	Mueller Co. A-2360 or District-approved equal Valve Box Type U.S. Made only – 5 ¼” Cast Iron Slip Type
<u>HYDRANT TYPE:</u>	4 ½” valve opening, 5 ½ ft. bury, open left NST on 2-2 ½” and 1-4 ½” pumper nozzle, 6” M.J. Shoe and 1 ½” pentagon operating nut.
<u>HYDRANT MANUFACTURER:</u>	Mueller A 421 Super Centurion 250 or District-approved equivalent (Hydrant anchoring tee to be used on hydrant branches)
<u>COPPER TUBING:</u>	Type “K”, ASTM B88 – Size to be determined by District.
<u>WATER SERVICES:</u>	Tapping, corporation stop, curb stop, curb box, water meter and accessories are provided by Watertown Fire District at the existing prices. (ONLY ¾” or 1” Taps are done by the Fire District).
<u>FITTINGS:</u>	U.S. Made Only – MJ, DI, CL350 A.W.W.A. Standard C153
<u>RESTRAINT:</u>	MJ, DI, Retainer Glands or Megalug Glands as required.
<u>TESTING & DISINFECTION:</u>	Hydrostatic and leakage testing are the responsibility of the contractor and must be performed by a qualified contractor/sub-contractor. A written report of test results shall be provided to the District. Test pressure will normally be 100 psi above normal operating pressure or as directed by the District. All lines to be hypochlorite tablet treated or disinfected in accordance with the procedures under A.W.W.A. Standard C601.
<u>STANDARD BURY:</u>	60” (5ft)
<u>MINIMUM BURY:</u>	42” (with District approval)
<u>MINIMUM BURY AT CULVERT/CROSSING PIPES:</u>	Minimum 18” vertical spacing between culvert and crossing pipes. Insulation and District approval are required.
<u>BEDDING MATERIAL:</u>	Main: ¾” Process Service Line: Pipe Sand - 24” (10” Bottom / 14” Top)