

SPECIFICATION FOR WATER PIPE
POLYVINYL CHLORIDE (PVC)

1. POLYVINYL CHLORIDE (PVC) WATER PIPE TO CONFORM TO AWWA C900 OR AWWA C905, NSF 61 SPECIFICATION.
2. GASKETS TO MEET ASTM F 477, AND JOINTS ARE TO COMPLY WITH ASTM D 3139, ALL LUBRICANTS MUST BE NSF APPROVED.
3. PIPE OD'S TO CONFORM TO THE ASSEMBLY OF TYPICAL CAST OR DUCTILE IRON FITTINGS. CAST OR DUCTILE IRON FITTINGS ALL TO BE IN ACCORDANCE WITH AWWA C110 AND C111.
4. ALL PVC POTABLE WATER LINE TO BE BLUE IN COLOR, WITH MANUFACTURER'S LABEL AND APPROPRIATE MARKINGS RELATED TO IDENTIFYING THE PIPE SUPPLIED.
5. STANDARD LAYING LENGTHS TO BE 20 FEET.

GENERAL NOTES FOR WATER PIPELINES

1. ALL PIPE TO BE BURIED A MINIMUM OF 42 INCHES FROM PROPOSED FINISHED GRADE TO TOP OF THE PIPE.
2. ALL DUCTILE AND CAST IRON PIPE AND FITTINGS TO BE WRAPPED IN 8 MIL BLACK POLYETHYLENE PLASTIC.
3. ALL SERVICE SADDLES TO BE BRONZE OR EPOXY COATED WITH STAINLESS STEEL DOUBLE STRAPS.
4. ALL MAIN LINE PRESSURE TESTING TO INCLUDE FIRE HYDRANTS, ANGLE STOPS AT THE WATER METERS, AND GATE VALVES AT AIR RELEASES.
5. NO SERVICE CONNECTIONS ARE TO BE ATTACHED TO FIRE HYDRANT LEADS.
6. CONTRACTOR TO FURNISH ALL PRESSURE TEST EQUIPMENT, INCLUDE A DEVICE FOR MEASURING THE AMOUNT OF WATER LEAKAGE DURING OR AFTER PRESSURE TESTING.
7. ALL PIPING TO BE PRESSURE TESTED TO 150 PSI, MEASURED AT THE HIGHEST POINT ALONG THE PIPELINE, OR IN ACCORDANCE WITH SECTION 02687, WHICH EVER IS GREATER.
8. CONTRACTOR TO PROVIDE ALL EQUIPMENT AND MATERIAL TO CHLORINATE AND DE-CHLORINATE THE NEW COMPLETED WATER MAIN THROUGH THE ITEMS MENTIONED IN NOTE 4, ABOVE.
9. FIRE HYDRANTS TO BE 5 1/4", DRY BARREL, 200 PSI, TRAFFIC TYPE, AWWA STANDARD C502, MUELLER SUPER CENTURION 250, OR EQUAL. EXTERIOR PAINTED WITH RED PAINT. VERTICAL ADJUSTMENTS TO BE WITH USE OF VERTICAL EXTENSIONS, KEEP HYDRANT PLUMB AND FIRE HYDRANT LEAD LEVEL. ALL HYDRANTS TO BE EQUIPPED WITH A BREAKAWAY FLANGE.
10. GATE VALVES 3-20" TO BE RESILIENT WEDGE TYPE, VALVES LARGER THAN 20" TO BE OF DOUBLE DISC TYPE.

DETAIL DEPICTS DIMENSIONAL REQUIREMENTS. THE ARCHITECT/ENGINEER ASSUMES RESPONSIBILITY FOR THE APPROPRIATE USE OF THIS STANDARDS.



SPECIFICATION AND GENERAL NOTES
FOR WATER LINES

STANDARD CONSTRUCTION DETAILS
WATER

DATE:
MARCH 2007

SCALE:
NTS

SHEET:
SD-W01