

WATER SUPPLY

ALL WATER SYSTEM WORK AND MATERIALS SHALL COMPLY WITH THE LATEST EDITION OF CITY SPECIFICATIONS, AND THE LATEST EDITION OF WSDOT/APWA SPECIFICATIONS FOR ROAD, BRIDGE, AND MUNICIPAL CONSTRUCTION, AND THE WASHINGTON STATE DIVISION ADMINISTRATIVE RULES CHAPTER 333, IN THAT ORDER.

ALL WATER AND SANITARY SEWER LATERALS TO BE POTHOLED FOR PIPE SIZE, TYPE, AND DEPTH PRIOR TO CONSTRUCTION. SHOP DRAWINGS ARE REQUIRED AND SHALL BE APPROVED PRIOR TO ANY CONNECTIONS.

ALL WATERLINE PIPE SHALL HAVE MINIMUM COVER OF 36 INCHES OVER TOP OF PIPE.

THE CONTRACTOR SHALL TAKE PRECAUTIONS TO PROTECT PIPE INTERIORS, FITTINGS AND VALVES AGAINST CONTAMINATION. CONTRACTORS SHALL PROVIDE WRITTEN NOTIFICATION TO CUSTOMERS AND CITY 48 HOURS IN ADVANCE OF ANY PLANNED SHUT DOWN. WRITTEN NOTIFICATION TO BE APPROVED BY CITY.

FITTINGS AND PIPE SECTIONS THAT WILL NOT BE DISINFECTED BY CHLORINE IN LINE FOR 25 HOURS SHALL HAVE THE INTERIORS SWABBED WITH A 50 mg/l HYPOCHLORITE SOLUTION BEFORE THEY ARE INSTALLED. SWABBING SHALL BE WITNESSED BY CITY INSPECTOR.

CONCRETE THRUST BLOCKS ARE TO BE CONSTRUCTED AT TEES, BENDS, FIREHYDRANTS, BLOW-OFFS, AND WHERE INDICATED ON THE PLANS AND STANDARD DETAILS. THE MINIMUM BEARING SURFACE AGAINST UNDISTURBED SOIL IS SHOWN ON THE DETAIL SHEET. THRUST BLOCKS SHALL BE ALLOWED TO CURE 14 DAYS BEFORE PIPELINE PRESSURE TESTING UNLESS 3-DAY MIX IS USED. FITTINGS SHALL BE WRAPPED WITH A POLY PLASTIC AS A BOND BREAKER. BLOCKS SHALL BE FORMED PRIOR TO POUR.

THE PIPELINE SHALL BE PRESSURE TESTED IN ACCORDANCE WITH THE CITY SPECIFICATIONS. THE TEST IS TO BE WITNESSED BY THE CITY PUBLIC WORKS INSPECTOR.

THE PIPELINE IS TO BE THOROUGHLY DISINFECTED AND FLUSHED (AT 6 FPS FLUSHING VELOCITY) IN ACCORDANCE WITH THE CURRENT CITY STANDARDS. DECHLORINATION REQUIRED. NO DISCHARGE OF CHLORINATED WATER ALLOWED. SANITARY SEWER NOT TO BE USED FOR DISCHARGE. SUBMIT CHLORINATION AND DE-CHLORINATION PLAN ONE WEEK PRIOR TO CHLORINATION. CHLORINATION TO BE PERFORMED AFTER THE LINES ARE FLUSHED AND HAVE PASSED PRESSURE TEST.

PRIOR TO ENERGIZING THE WATER SYSTEM, A BACTERIOLOGICAL WATER SAMPLE SHALL BE TAKEN BY THE CITY WATER DEPARTMENT INSPECTOR, SUBMITTED TO AN ACCREDITED TESTING LAB, AND RETURNED TO THE DEPARTMENT INDICATING NO HAZARDS EXISTS.

NO ONE OTHER THAN CITY OF LONGVIEW WATER DEPARTMENT PERSONNEL TO OPERATE VALVES. ALL VALVES TO REMAIN ACCESSIBLE.

ALL PIPE AND FITTINGS SHALL BE RESTRAINED JOINT. FITTINGS TO BE MEGA-LUG. PIPE TO HAVE FIELD LOCK GASKETS. ALL PIPE SHALL HAVE SECONDARY RESTRAINT WITH THRUST BLOCKS OR APPROVED EQUAL.

TRACER WIRE - 12 GAUGE SOFT DRAWN (BLUE) TO BE USED.

AS BUILT DRAWINGS SHALL BE SUBMITTED & APPROVED PRIOR TO ACCEPTANCE.

ALL BACKFILL SHALL BE $\frac{5}{8}$ " MINUS (CSTC).

FOUNDATION MATERIAL & GEO GRID SHALL BE INSTALLED AS DIRECTED BY THE CITY TO THE DEPTH AS DIRECTED.



WATER GENERAL NOTES

STANDARD PLAN:
W - 000

DATE: **FEB. 2008**

CITY ENGINEER APPROVAL:

Longview: **C.B.**

Kelso: **S.Z.**