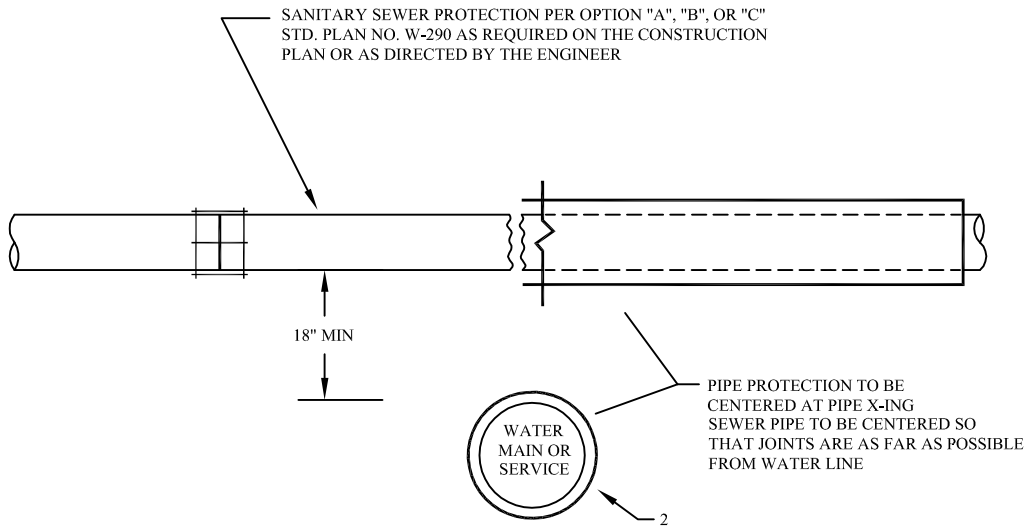


PROVIDE A MINIMUM OF 18" OF CLEARANCE BETWEEN CROWN OF WATER LINE AND INVERT OF SANITARY SEWER. WATER LINE SHALL RECEIVE ONE OF THE FOLLOWING PROTECTIVE TREATMENTS AS REQUIRED ON THE CONSTRUCTION PLAN OR AS DIRECTED BY THE ENGINEER:

- 1) A MINIMUM 18 FOOT LENGTH OF CLASS 3000 CEMENT CONCRETE ENCASEMENT FOR A MINIMUM 6" THICKNESS AROUND THE WATER LINE.

WATER LINE TO BE WRAPPED IN 10 MIL PLASTIC SHEETING



PROVIDE A MINIMUM OF 18" OF CLEARANCE BETWEEN CROWN OF WATER LINE AND INVERT OF SANITARY SEWER. WATER LINE SHALL RECEIVE ONE OF THE FOLLOWING PROTECTIVE TREATMENTS AS REQUIRED ON THE CONSTRUCTION PLAN OR AS DIRECTED BY THE ENGINEER:

- 2) A 1/4" THICK CONTINUOUS STEEL*, DUCTILE IRON OR C-900 P.V.C. (C-905 FOR GREATER THAN 12" DIA) WITH A DR VALUE OF 18 OR LESS. PIPE SKIDS WILL BE USED AND ALL VOIDS PRESSURE GROUTED WITH SAND-CEMENT GROUT OR BENTONITE.

* STEEL CASING SHALL RECEIVE COROSION PROTECTION

OPTION 2 WATER LINE PROTECTION



WATER-SEWER CROSSING

STANDARD PLAN:
W - 295
DATE: **FEB. 2007**

CITY ENGINEER APPROVAL:
Longview: **C.B.**
Kelso: **S.Z.**