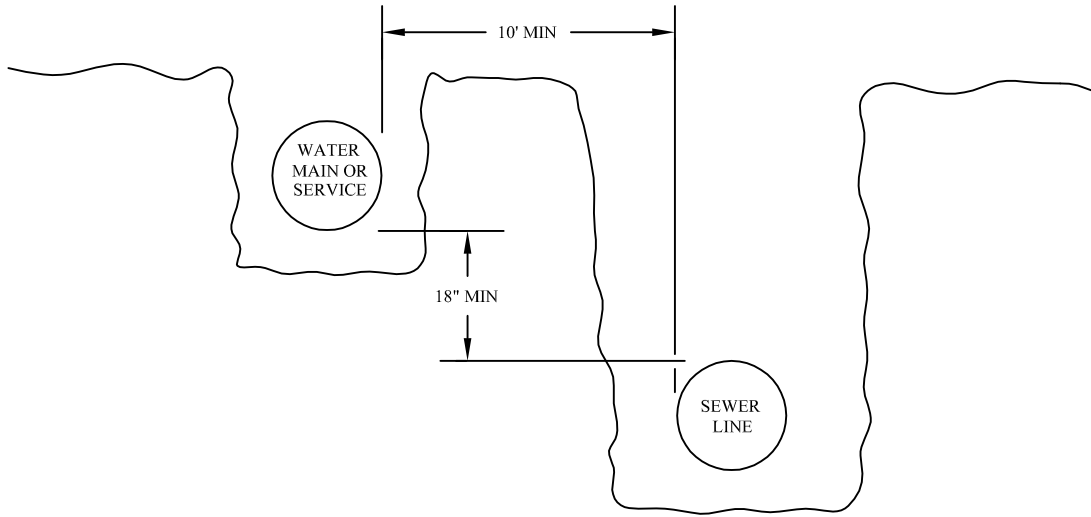
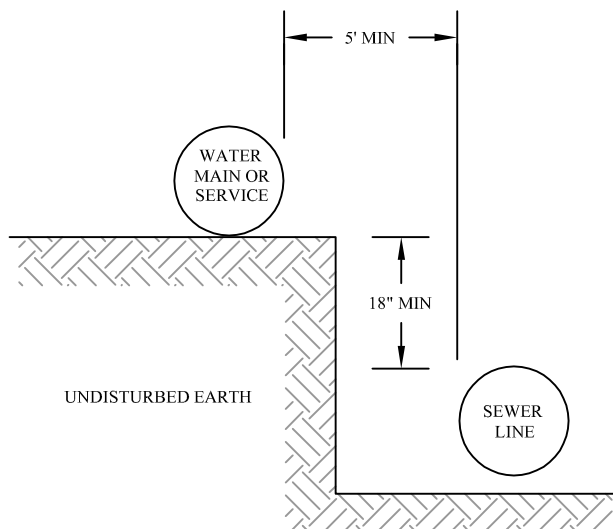


NORMAL PARALLEL CONDITION: A MINIMUM HORIZONTAL SEPARATION OF 10 FEET BETWEEN ANY SANITARY SEWER AND WATER LINES, AND A MINIMUM VERTICAL SEPARATION OF 18" BETWEEN THE BOTTOM OF THE WATER LINE AND THE CROWN OF THE SEWER, SHALL BE MAINTAINED. THE DISTANCE SHALL BE MEASURED EDGE TO EDGE. LINES MUST BE LAID IN SEPARATE TRENCHES.



UNUSUAL PARALLEL CONDITIONS: WHEN SPECIAL CONDITIONS PREVENT THE SEPARATIONS DESCRIBED ABOVE, A SEWER MAY BE INSTALLED CLOSER THAN 10 FEET HORIZONTALLY OR 18" VERTICALLY TO A WATER LINE, PROVIDED:

- 1) LESS THAN 18" OF VERTICAL SEPARATION REQUIRES CL 52 D.I., OR C-900 P.V.C. FOR SEWER PIPE MATERIAL (C-905 FOR GREATER THAN 12" DIA). THE ENGINEER MAY APPROVE LESS THAN 10 FEET OF HORIZONTAL SEPARATION PROVIDED SEPARATE TRENCHES CAN BE MAINTAINED.
- 2) IF SEWER AND WATER LINES MUST BE LOCATED IN THE SAME TRENCH, BOTH SEWER LINES AND WATER LINES SHALL INCLUDE A CASING PIPE OF PRESSURE RATED PIPE MATERIAL DESIGNED TO WITHSTAND A MINIMUM STATIC PRESSURE OF 150 P.S.I. COMMERCIAL PIPE SKIDS AND AN APPROVED END CLOSURE IS REQUIRED AS NEEDED. A MINIMUM OF 5 FEET HORIZONTAL AND 18" OF VERTICAL CLEARANCE IS REQUIRED. (SEE ILLUSTRATION BELOW)



WATER-SEWER SEPARATION REQUIREMENTS FOR PARALLEL CONDITIONS



### WATER-SEWER IN PARALLEL

STANDARD PLAN:  
**W - 300**

CITY ENGINEER APPROVAL:

Longview: **C.B.**

DATE: **FEB. 2007**

Kelso: **S.Z.**