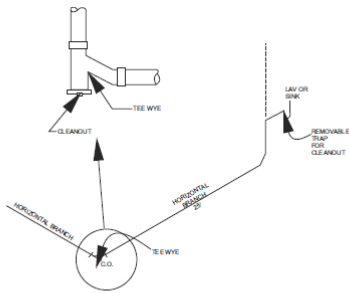


P3005.2.2 Spacing. Cleanouts shall be installed not more than 100 feet (30 480 mm) apart in horizontal drainage lines measured from the upstream entrance of the cleanout.

P3005.2.4 Change of direction. Cleanouts shall be installed at each fitting with a change of direction more than 45 degrees (0.79 rad) in the building sewer, building drain and horizontal waste or soil lines. Where more than one change of direction occurs in a run of piping, only one cleanout shall be required in each 40 feet (12 192 mm) of developed length of the drainage piping.

Q: Is the required cleanout for a change in direction an additional cleanout, over and above what is required in Section P3005.2.2 for horizontal drains? For example, if I have a horizontal tee-wye located 25 feet downstream from an accessible slip-joint P-trap that serves as a cleanout, do I still need to add another cleanout for the change in direction?

A: Yes. The cleanout required by Section P3005.2.4 is for the change in direction. An upstream cleanout cannot be considered the cleanout required at the change of direction. See Figure 30-10. [30-10]



**CLEANOUT REQUIRED FOR 90-DEGREE CHANGE IN DIRECTION
FIGURE 30-10**

Q: Is the intent of Section P3005.2.4 to allow one cleanout to serve a 40-foot developed length of pipe having any number of changes in direction greater than 45 degrees?

A: Yes. For example, only one cleanout is required for a horizontal drain with a developed length of 40 feet and containing four 90-degree fittings. Section P3005.2.8 requires cleanouts to be positioned to accomplish cleaning in the direction of flow. Therefore, the required cleanout in this example should be located just upstream of the first 90-degree fitting. Rodding in the direction of flow would clean a blockage located in any of the four fittings downstream of the required cleanout. [30-11]