

There are situations where two permanent reference points are not available for tie-down dimensions; our field techs typically use the tape measure method to find and locate items, and that's why we require this type of tie-down on our as-builts.

For an alternate method of tie-downs in these situations, you can 'lock' a known fixture to a known reference point (like a property line or corner), and then tie the fittings in the line together between themselves sequentially (i.e., property line to valve 1, then valve 1 to locate wire 1 on the same main, then locate wire 1 to valve 2, etc., on down the line). Make sure to include at least one perpendicular tie, like to a parallel ROW line, property line, or curbing/edge of pavement for each fitting, so there are a total of two ties for each fitting. Attached is a graphic to illustrate this method.

