



# Technical Bulletin

**Subject:** Single-Line Plumbing Riser Diagrams

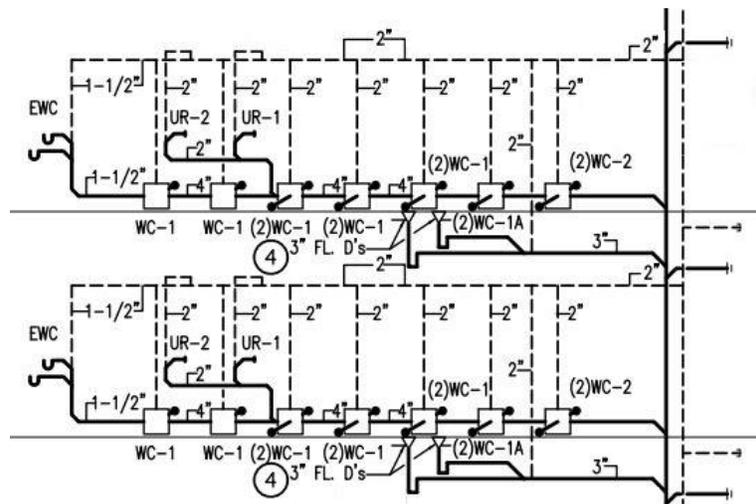
**Date:** May 16, 2019

**No.:** 19-07

**Summary:** Policy for the acceptance and approval of plumbing plans during building permit application.

**Effective Date:** Immediately.

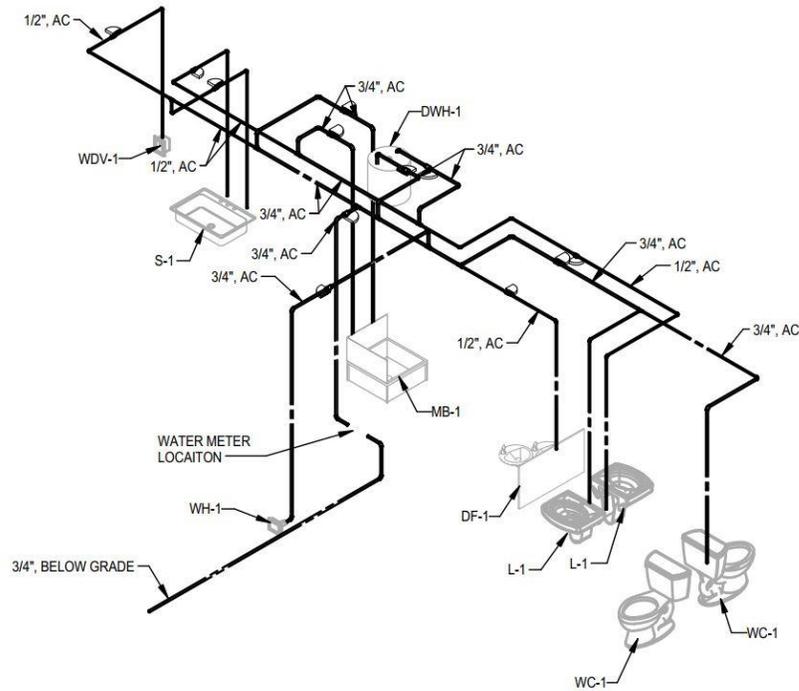
**Background:** Single-line plumbing riser diagrams (see Figure 1), two-dimensional representations of building sanitary systems, convey pipe and fixture types, sizes, locations and connections. While riser diagrams are not to scale, they are simple, easy to read and communicate important information quickly.



**Figure 1: Single-Line Plumbing Riser Diagram**

With the proliferation of building information models, axonometric (isometric, diametric and trimetric) projections (see Figure 2) have been provided to the county in lieu of single-line plumbing risers. These detail types are difficult for county engineers and inspectors to comprehend, causing delays in plan reviews, permit issuance and inspection approvals.





**Figure 2: Axonometric Projection**

**Policy:** Single-line riser diagrams must be provided for plumbing plan acceptance and plumbing review approval during the building permit application process. While axonometric projections are not prohibited, they shall not be the sole representation of the plumbing system.

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