

July 30, 1992

TO: All Holders of the City of Salem Design Standards

EFFECTIVE DATE: August 1, 1992

SUBJECT: **DEVELOPMENT BULLETIN #4**

The following information is distributed as a public service to the Salem development community of contractors, builders, and developers to make them aware of any changes in the City permit and plan approval process which may have an impact on their operations:

CLARIFICATION TO DEVELOPMENT STANDARDS:

Reference: City of Salem Department of Public Works Design Standards, Sanitary Sewer Design Standards, Section 2.10.c.

The cited section contains the design requirements for sewer manholes and the maximum permitted change in invert elevations across the manhole. (The normal offsets are contained in section 2.15(f).) The general rule is that a vertical offset exceeding twenty-five hundredths (0.25) of a foot will not be permitted. There are three exceptions given:

- 1) “When a smaller diameter connects to a larger diameter sewer.” **In this case, the guidance is to match crown elevations.**
- 2) “When a grade conflict exists with an existing utility, the maximum vertical drop may be one (1) foot, or as approved.” **This is intended to provide flexibility of design only where the standard general rule of 0.25 maximum cannot be applied. The designer may offset the elevations up to one foot without prior approval, but only in those cases where the utility conflicts cannot be avoided. A maximum offset of two feet may be approved by the City in unusual cases. It is not intended to be the standard practice.**
- 3) “When a vertical drop greater than two (2) feet is approved, an outside drop must be installed as per Standard Plan No. 102.” **Drop assemblies are expensive to construct and can be difficult to maintain. We will attempt to avoid the use of these structures whenever possible.**

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