



CITY OF KYLE

Building Department

Alternative Method/Material #32025111



Alternative Method/Material #3202111 for Backwater Valves November 16, 2023

Applicable code sections:

2021 International Plumbing Code (IPC) 105.2 Alternative materials, design and methods of construction and equipment

2021 IPC 714.1 Sewage backflow.

Kyle City Charter Local Amendments to the 2021 Sec. 8-32 IPC 715.1 Sewage backflow and 715.1.1 Sewage backflow retrofit requirements.

The City of Kyle has amended the 2021 International Plumbing Code to require backwater valves for all new and retrofit installations. This exceeds the IPC's provision which only requires them for plumbing fixtures *"on a floor with a finished floor elevation below the elevation of the manhole cover of the next upstream manhole in the public sewer"*.

Pursuant to section 105.1 of the 2021 International Plumbing Code the Code Official has the authority to approve an alternative material if it complies with the intent of the code.

Therefor effective 11/16/2023 The City of Kyle will allow sewer relief cleanout plugs otherwise known as "pop-ups" to be used as an alternative to backwater valves for any application except for *"Plumbing fixtures installed on a floor with a finished floor elevation below the elevation of the manhole cover of the next upstream manhole in the public sewer"*.

Conclusion: Sewer relief or pop-up cleanout plugs will provide an equivalent level of sewage backflow protection for plumbing fixtures located above the level of the next upstream sewer manhole.

A handwritten signature in black ink, appearing to read "Kelly Stilwell".

Kelly Stilwell CBO, I-2461
City of Kyle Building Official