

Ordinance No. 318

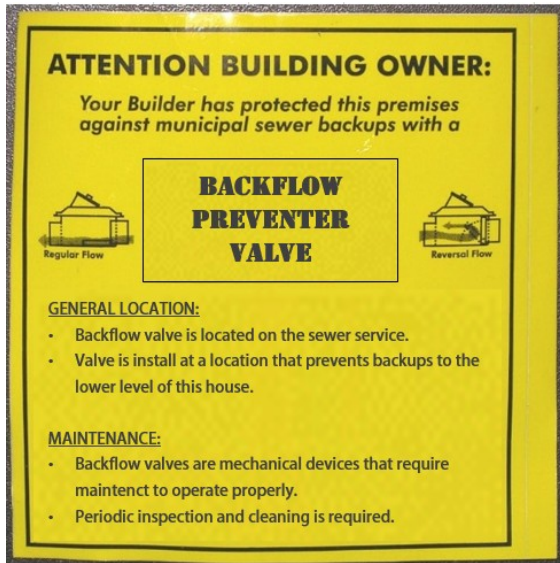
AN ORDINANCE ESTABLISHING REQUIREMENT FOR SEWER BACKFLOW PREVENTERS IN THE CITY OF AURORA, SOUTH DAKOTA.

BE IT ORDAINED by the City of Aurora as follows:

Section 1. Sewer Backflow Preventers Required.

All new residential or commercial construction subsequent to January 1, 2020 shall have an interior sewer backflow preventer (backwater valve) installed in accordance with the design standards set forth below. Backflow preventers shall be maintained by the owner, at the owner's expense, at all times.

- (a) Backflow Preventers.** The sewer backflow preventer or backwater valve shall be designed as a sewage check valve to prevent water from flowing back from the wastewater collection system into a residence. Valve assembly shall include threaded cover to allow for access and a valve flapper which seals closed while not in use. The flapper shall be installed into the valve body via a removable carrier and allow unrestricted, unidirectional flow. The valve body shall be adaptable to either shallow or deep bury installations and be designed in accordance with South Dakota Plumbing Code and ASME A112.14.1. The valve shall be made of PVC or ABS plastic and shall be solvent welded to sewer service piping. The backflow preventer shall be Oatley model 439XX, Sioux Chief 869 Series, IPS Corporation Model No. BWV4A, NDS Model 475P/R or an engineer approved equal.
- (b) Backflow Preventer Installation.** Sewer backflow preventers shall be installed on all new construction with sub-grade levels. Slab on grade buildings or basement injector pumps are exempt from this requirement. The backflow preventer shall be plumbed on the main sewer service main to protect sub-grade levels from surcharges in the public sanitary sewer collection system. Sanitary sewer flows from the at-grade and/or abovegrade levels shall be plumbed to by-pass the backflow preventer.
- (c)** The Installer shall follow the backflow preventer manufacturer's installation requirements and ensure the 2% minimum slope on the sewer service line continues through the backflow preventer valve installation. All new construction shall have the backflow preventer installed within the building footprint for accessibility and maintenance purposes. An exterior located backflow preventer valve will not be allowed on new construction. The access cover for the backflow preventer shall be brought up to the sub-grade finished floor for ease of access.
- (d)** The Installer shall install a 4.5"x4.5" (minimum size) adhesive-backed sticker indicating that a backflow preventer is installed at this location and be affixed in a visible spot near the backflow preventer installation. The sticker shall include information to let the customer know that there is backflow preventer installed in this location and that regular maintenance is required with this type of equipment.



Example of backflow preventer adhesive-backed sticker

II.

Any or all ordinances in conflict herewith are hereby repealed.

FIRST READING: November 12, 2019

SECOND READING: December 9, 2019

PUBLISHED: _____

CITY OF AURORA

Frederick Weekes, Mayor

ATTEST:

Shannon Freng, Finance Officer