

(Addendum A)

City of Boone

Property Protection Program FY 16/17

The spring of 2008 was very wet with frequent and heavy rainfall that caused elevated flow conditions in the wastewater collection system of the City of Boone. These elevated flow conditions caused basement backups in some areas and can be attributed to, at least in part, excessive infiltration and inflow into portions of the wastewater collection system. A significant amount of this excess flow is entering the sewer system through portions of the private plumbing system within and around homes and businesses. The major sources of the excess flow include roof drains that catch rainwater and direct the flow to the private sewer service, and footing or foundation drains that intercept ground water from around the outside of the buildings and directs the flow to the private service lines.

Many of these connections were allowed at the time of the original building construction and are “grandfathered” under the current plumbing codes. The goals of this program are to provide the City of Boone with information about private property plumbing systems installed many years ago. Because most Boone homes were built prior to the realization that groundwater and storm water is detrimental to the sanitary sewer system it is necessary to research what general types of sewer connections exist that do not meet current statutes.

As a means of collecting data, the City of Boone will cover costs associated with researching and resolving eligible sources of infiltration and inflow for those properties selected for the pilot program. The program will seek to remove the sources of infiltration and inflow from the private sewer system and to ultimately assist in protecting the properties that are adversely affected by the excessive flows in the sanitary sewer collection system.

The Property Protection Program will provide cost recovery only to property owners that have a Boone Utilities account for properties selected to be included in the program. The property owner will contract with a licensed plumber to redirect one or more of the eligible sources of infiltration and inflow to an outlet other than the sanitary sewer system or to install a backwater valve on their private sewer service to protect against surcharges from the public sewer system.

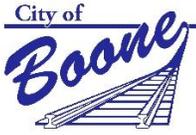
With this program, the City will make a Property Protection Program subsidy reimbursement to the property owners who meet the requirements of the program as listed in the key elements below. The reimbursement will be by direct payment of the qualifying subsidy to the property owner. The key elements of the Property Protection Program include:

- A) The property owner is required to pay the first \$250 of work performed. The Property Protection Program will provide a maximum of a \$2,000 subsidy for the

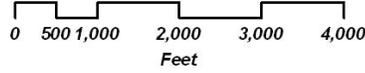
cost (in excess of \$250) of any materials and labor for the improvements listed in Section c below to existing structures on private property.

- B) The work must have been performed between the dates of July 1, 2016 and June 1, 2017 (or until funding is depleted for FY 16/17).
- C) Qualifying properties can be generally described as having the following:
 - I. Owner occupied single family home
 - II. Located within a priority area as identified by City Staff
 - III. A home that has had a sanitary sewer backup
 - IV. A home roughly the age of most homes in Boone (1960 and earlier)¹
- D) The property improvements deemed qualifying for subsidy from the Property Protection Program are limited to the installation of backwater valve, the disconnection of roof leaders from the sanitary sewer service, the installation or redirection of a sump pump to discharge flows from foundation drains, running traps, and area drains to a non-sanitary sewer outlet such as a rain garden, storm sewer, or the ground surface and all investigative research to discover such installations.
- E) The work must be performed by a licensed plumber with a Boone I & I program endorsement.
- F) The documentation of cost of the qualifying improvements shall include a copy of an itemized invoice from a licensed plumber or plumbing firm that details the work performed and a copy of the full payment.
- G) Program reimbursement checks from the City of Boone, shall be made out to the property owner.
- H) A completed Property Protection Program subsidy application form and supporting documentation must be submitted to the City of Boone Building Official. The account for the sanitary sewer fee charges on the property must be current as to payments at the time of application.

¹ Census 2000



Storm Sewer System Map

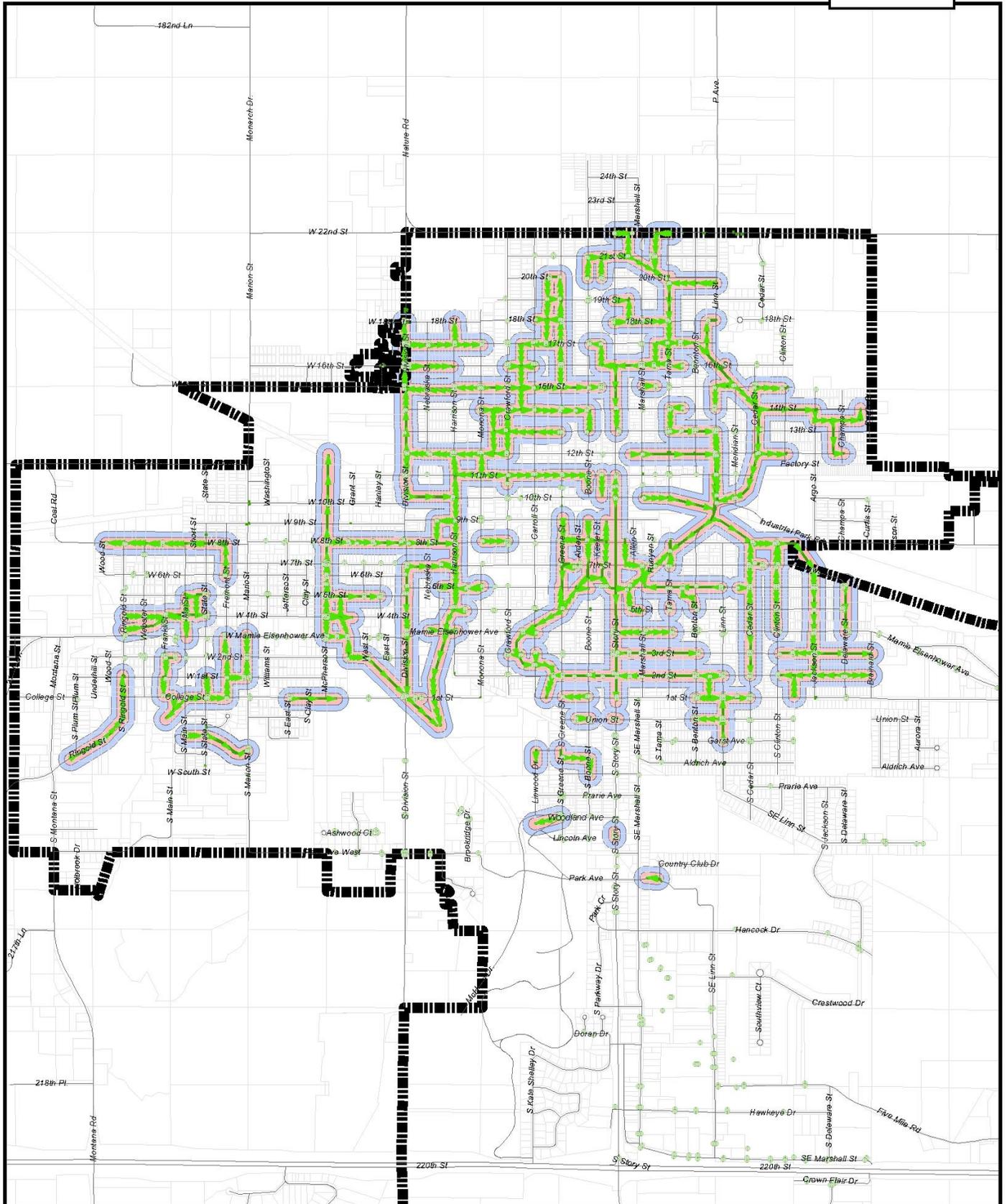


Map by City of Boone

GIS data courtesy of City of Boone and Boone County

Legend

- Storm Lines
- Roads
- Corporate Limits
- Parcels
- 100 ft Storm Water Buffer
- 200 ft Storm Water Buffer



Property Protection Pilot Program City of Boone

