



Town of Sturbridge, Massachusetts

Inflow and Infiltration investigation of the Rt. 131 area report

January 2020

January 27, 2020

Mr. Butch Jackson
DPW Director
Town of Sturbridge, Massachusetts
69 Boston Post Road Extension
PO Box 182
Sturbridge, Massachusetts 01566

Re: Inflow and Infiltration investigation of the Rt. 131 area report

Dear Mr. Jackson,

Veolia Water North America (VWNA) is pleased to submit the results of the Inflow and Infiltration investigation of the Rt. 131 area project conducted in January 2020.

Focus Areas

This study was conducted in the area that contributes gravity flows to the Rt. 131 area that flows into Southbridge, Massachusetts. The streets that were CCTV'd are as follows: Fairview Park Road, Fieldcrest Road, Fiske Hill Road, Fox Run, Fox Run Easement, Gedeon Avenue, Hillcrest Street, McGregory Road, McGregory Road Easement, Newton Place, Old Fiske Hill Road, Old Sturbridge Road, Pinehaven Road, Plimpton Avenue, Ridge Hill Road, Rt. 131 (Main Street), Simpson Street, Simpson Street Easement, Turner Lane, Wedgewood Road, and Williams Road.

Observations

The project consisted of CCTVing 22,095 linear feet of the sanitary sewer mains that contribute flows to the Rt. 131 area that flows into Southbridge, Massachusetts. Of the 22,095 linear feet of surveyed pipe there were three (3) defects identified and nine (9) map corrections made to the Town's sewer GIS.

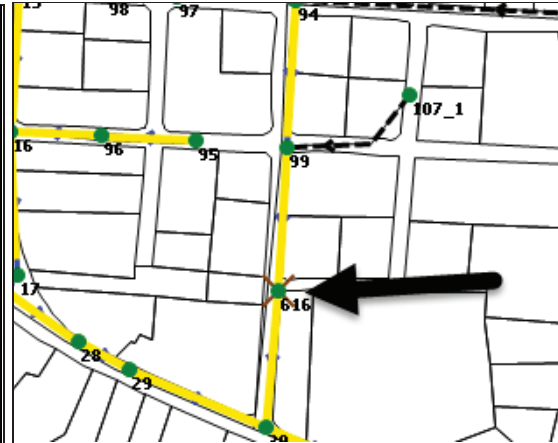
Summary of defects found

Defect	Count	Estimated Infiltration (GPD)	Estimated Inflow (GPD)	Total Estimated (GPD)
(IR) Infiltration Runner	3	8,640	0	8,640

1. (IR) Infiltration Runner – Fairview Park Road 231' upstream of manhole 157
Recommended Repair – Top hat liner



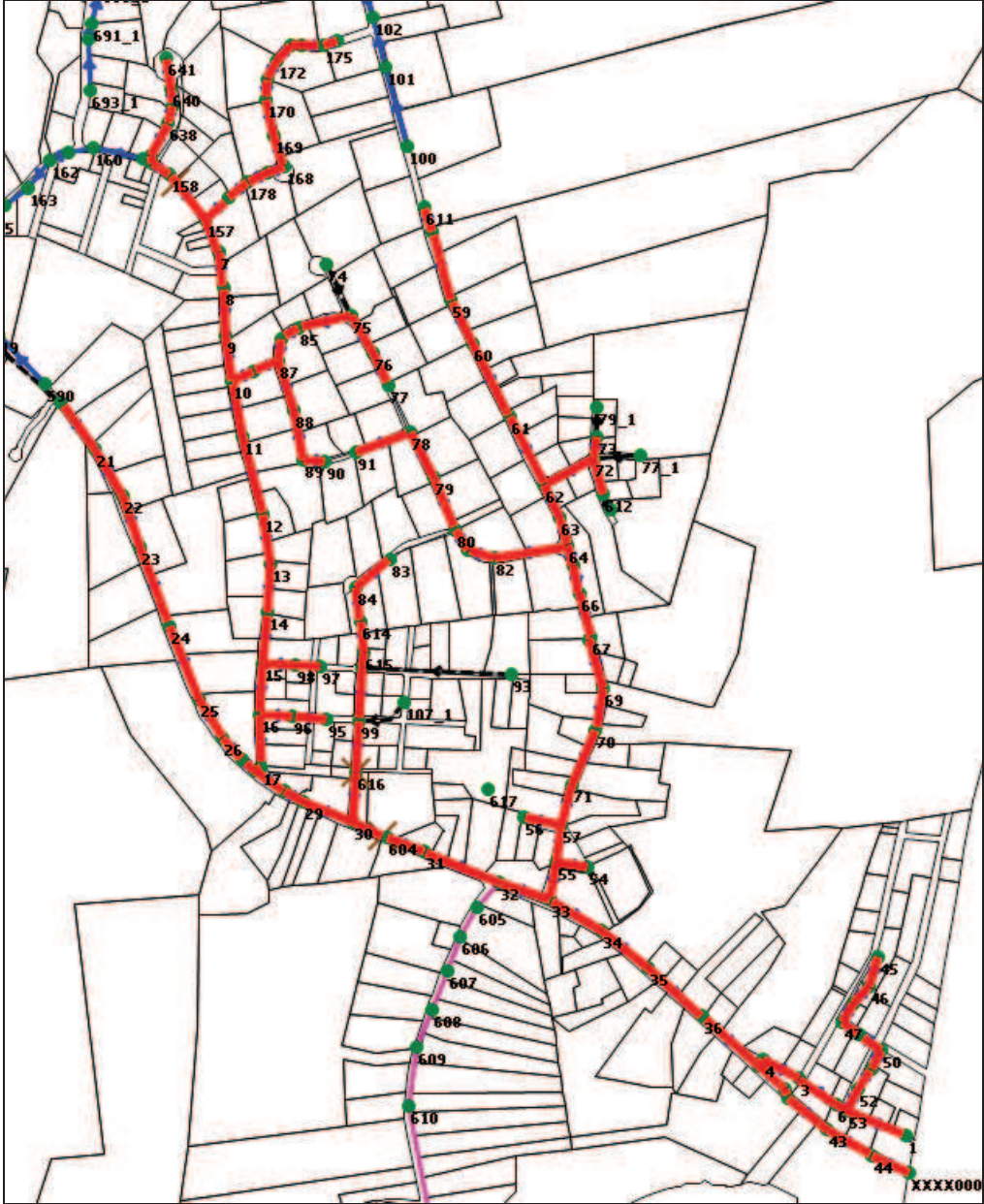
2. (IR) Infiltration Runner – Simpson Street in manhole 616
Recommended Repair – Manhole repair with epoxy spray or coating or hydraulic cement



3. (IR) Infiltration Runner – Rt. 131 (Main Street) in manhole 604
Recommended Repair – Manhole repair with epoxy spray or coating or hydraulic cement



Map of project area



If you should have any questions or require additional information, please do not hesitate to contact me at 401-265-0525 or by email at paul.rodman@veolia.com. Veolia Water looks forward to continuing our valued partnership with the Town of Sturbridge, Massachusetts.

Sincerely,

Paul Rodman
Special Projects Manager
Veolia Water North America – NE LLC