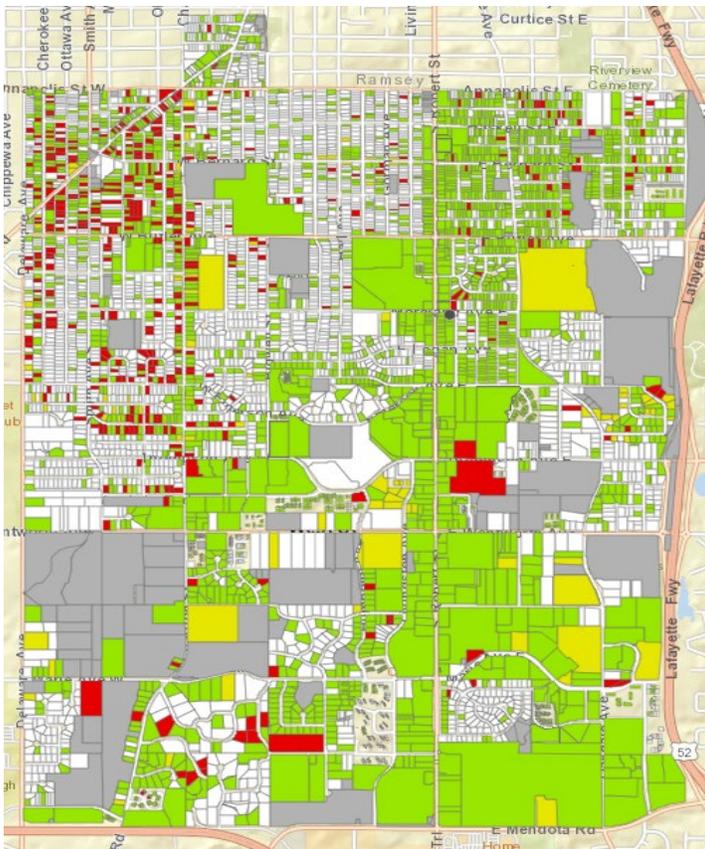


Inflow & Infiltration Reduction Program Fall 2018 - Update



Inflow and infiltration problems are difficult to resolve because of the enormity of the infrastructure in place. It is estimated that there are approximately 4.0 billion feet of sanitary sewer pipe in the United States and more being installed daily. The majority of sewer pipe in older cities is between 50 and 70 years old. These materials are reaching and surpassing their expected service life and in most cases require rehabilitation or replacement.



Total Inspections (2008- OCT 2018)	2,695
Private Sewer Laterals	5,413
Percentage of City Inspected	49.9%
Inspections by SEH (2008-2016)	1,469
Inspections by City Inspector (2016-2018)	1,226
Multi-Family Rental Buildings	414
Business & Commercial Property	299
Single Family Homes	1,982
Citywide Compliant (not requiring repairs)	47.3%
Citywide Non-Compliant	52.7%
Private Sewer Lines Rehabilitated	982
Average Repair Cost	\$5,600

It has been ten years since the City of West St. Paul began its I&I reduction program. In early summer, the Met Council had an engineering firm evaluate the effectiveness of our public and private sewer rehabilitation effort. Results showed a 33% reduction of **inflow and infiltration** in Ward 1. Mitigation result's in Ward's 2 and 3 showed less reduction (8% and 1% respectively), but this was due to a higher number of non-compliant, unrepaired properties in Ward 3 (red on the map) and large number of homes in Ward 2 that have not had an inspection (white on the map).