

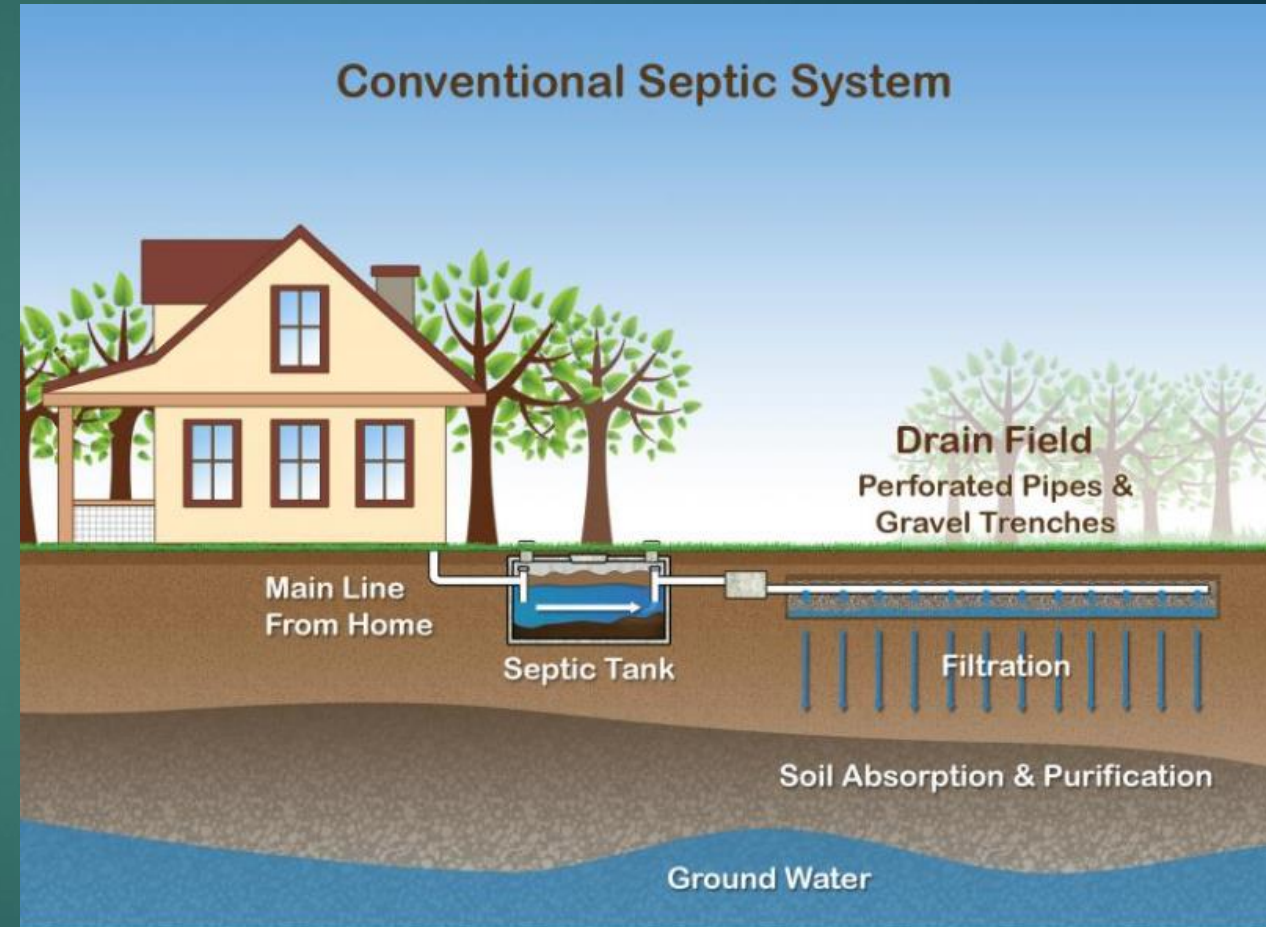
Septic Tank Sewer Systems

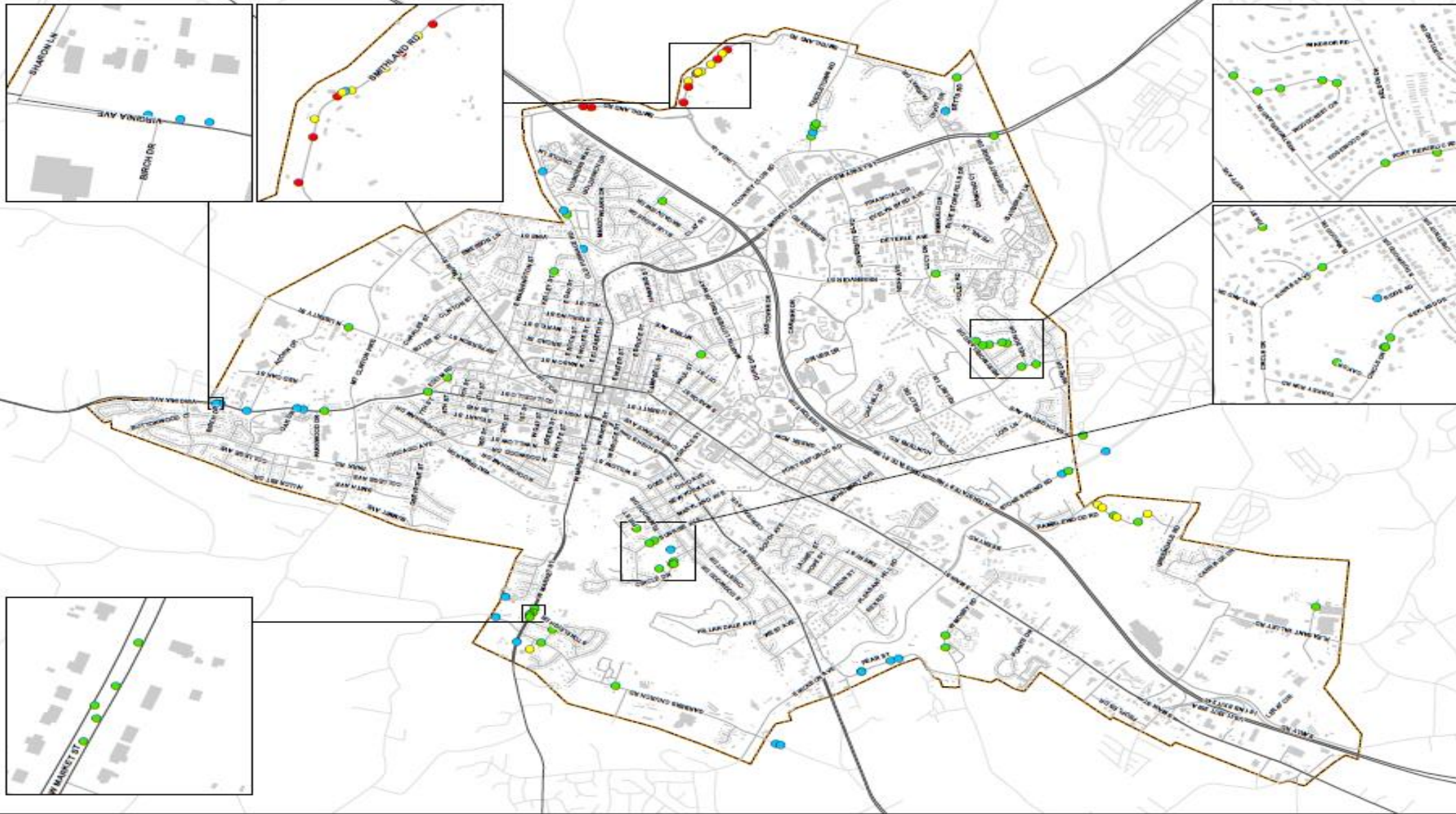
PROPOSED ORDINANCE CHANGES

MIKE COLLINS, DIRECTOR OF PUBLIC UTILITIES

The Problem: Septic Systems

- ▶ ~100 active septic systems in the City
- ▶ No records of maintenance, no proof of upkeep
- ▶ Septic systems leach ~ 25lbs nitrogen & 10 lbs phosphorous/year into the ground





- Level Designation
- Level 4
 - Level 3
 - Level 2
 - Level 1
- Road
 - Building
 - City Limits



0 500 1,000 1,500 Feet
1 Inch = 2,500 Feet



Properties with Septic Systems

City of Harrisonburg

Septic Tank Solutions

(incentivize septic tank abandonment by Ordinance)

- ▶ Inspection & pump out required once every 5 years
- ▶ Build the framework to implement a monthly base charge for septic systems to match pollutant removal costs
- ▶ Financially incentivize connections to public sewer (also provides storm water credits)
 - Waive connection fees (\$4,500)
 - Assist with plumbing through storm water funds / credits (\$2,000 / 50% fee credit)



Sewer Infiltration & Inflow

PROPOSED ORDINANCE CHANGES

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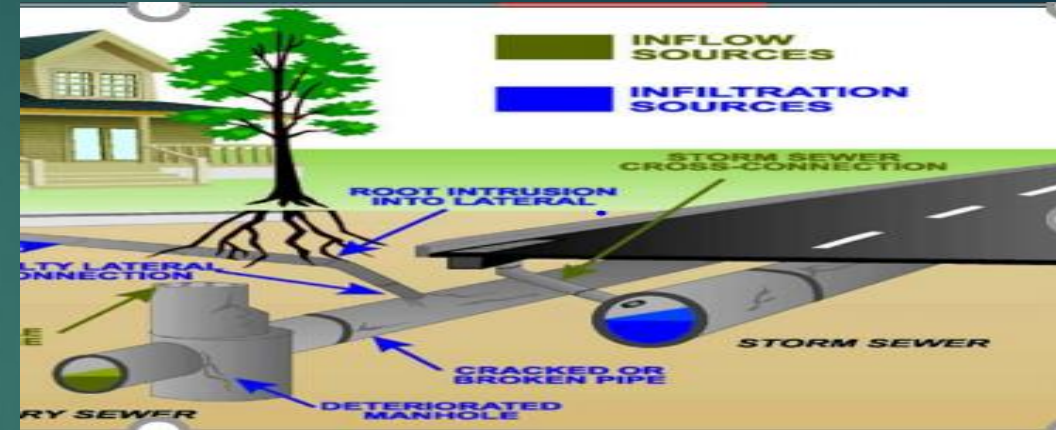
The Problem: Inflow & Infiltration

Reference Harrisonburg Sanitary Sewer Management Plan

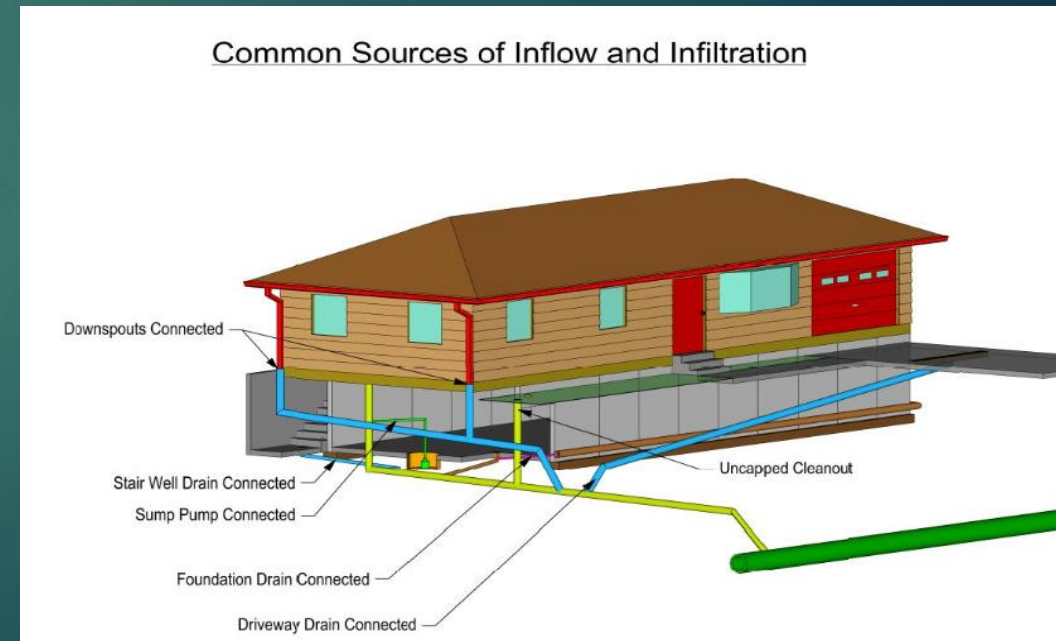
- Robs needed future capacity at HRRSA plant and interceptors
- Creates overflows of City interceptors and collection sewers and backups into customer dwellings

The Cause: Inflow & Infiltration

▶ 45% Public origin



▶ 55% Private origin



Private I&I Solutions: By Ordinance

- ▶ Monthly \$50.00 surcharges for non-collaboration and non compliance.
- ▶ Monthly sewer credits of 10% (6 months)for voluntary action with focus to sump pumps.