Remediation Plan for Private I/I Sources Identified in the Ottawa Road CSO Service Area



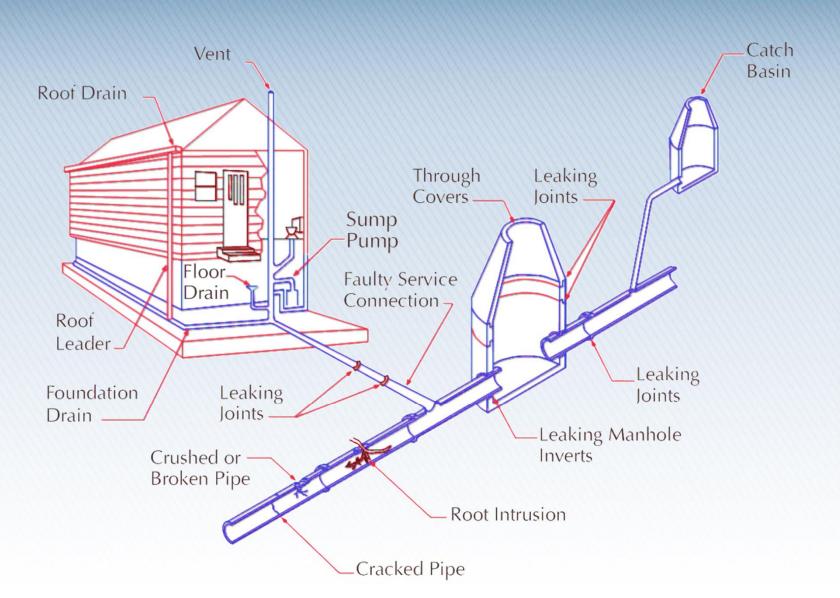


Presentation Overview

- ✓ Project History Recap
- ✓ Results of Home Inspections
- ✓ Types of Solutions
 - Example Solution
 - ✓ Proposed SD Extensions
- ✓ Proposed Plan
- ✓ Next Steps



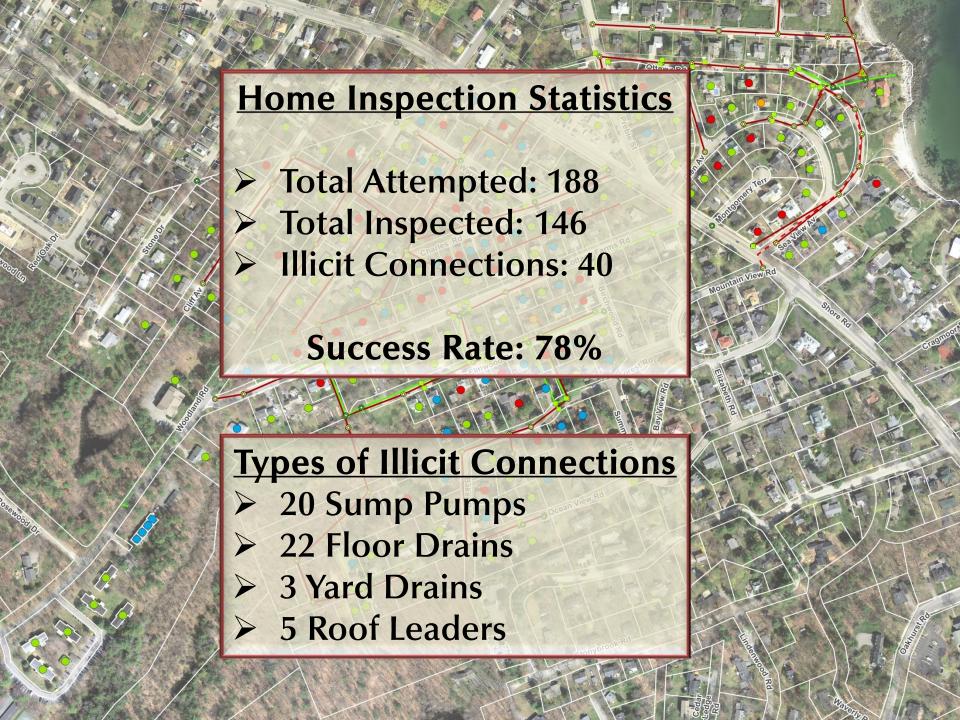
Project History Recap





CSO Permit Requirements

- ✓ 2014 Study/Develop Phase 1 Project
- ✓ 2015 Construct Phase 1 Project
- ✓ 2016 Design Phase 2 Project
- ✓ 2017 Construct Phase 2 Project
- ✓ 2018 Construct Ottawa Rd. Pump Station Upgrade (PWD)
- ✓ 2019 Submit CSO Master Plan update
- ✓ Focus on 2014 findings and 2015 project



Types of Solutions

Elimination of inactive sources

Redirect to a existing storm drain

Redirect on private property

Redirect to new storm drain

Proposed Solution - 1 Birchwood Road

Illicit connection: Sump Pump

Sump Pump Floor Drain

Possible Solutions:

Sump Pump

1. Redirect sump pump to yard

2. Redirect sump pump to existing catch basin

3. Do nothing Floor Drain

1. Dye test and plug if necessary

2. Dye test and replace floor drain structure with sump and install second sump pump if necessary

3. Do nothing

Recommended Solution:

Sump Pump: Redirect sump pump to existing catch basin

Floor Drain: Dye test and replace floor drain structure with sump

and install second sump pump if connected

Reasoning:

Discharge location of the floor drain is not known so dye testing is required. There is a catch basin located in front of the property for

discharge of the sump pump.

The floor drain becomes active when the existing sump pump is overwhelmed. If the floor drain is connected, installing a second

sump pump should prevent flooding.

Interior Work Detail:

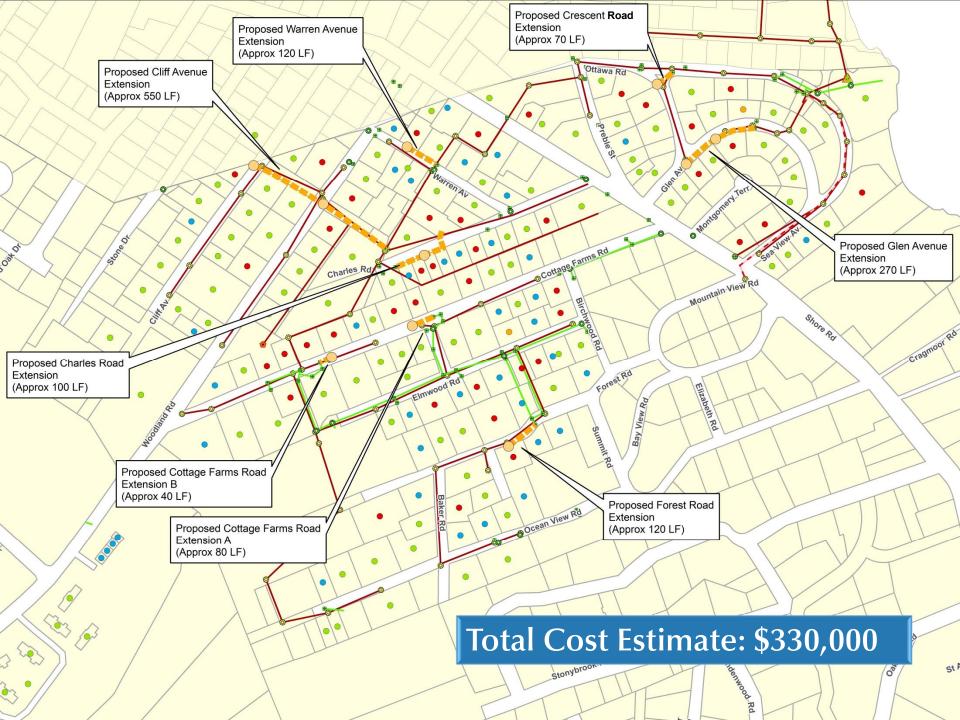
Details 1, 2, 3



Total Cost Estimate: \$180,000

Average: \$4,500

Range: \$150-\$22,000



Proposed Plan

Individual Solutions

- Work to be completed by property owner
- Careful consideration of possible financial incentives
- Post inspection and follow up critical

Town's responsibility

- In some cases, provide infrastructure to capture storm water from private lots
- Look to combine with sewer replacement and/or road reconstruction work

