

Evergreen Farmington Sewage Disposal System (EFSDS)  
North Evergreen Interceptor (NEI)  
System Improvements  
Wattles Road Linear Storage Project

City of Troy  
Resident Informational Meeting  
November 12, 2015

# Introductions

## **Oakland County Water Resources Commissioner's Office**

- Joel Brown, P.E. (Lead Contact)
- Tom Maxwell, P.E.

## **Hubbell, Roth & Clark, Inc. (Engineer)**

- Mike MacDonald, P.E.

## **Angelo Iafrate Construction Company (Contractor)**

- Ron Roby

# Agenda

- Need for Project
- Project Background
- Construction Methods
- Project Timeline
- Traffic Maintenance
- Restoration Upon Completion of Project
- Future Project Updates
- Questions and Opportunity to Review Project Plans

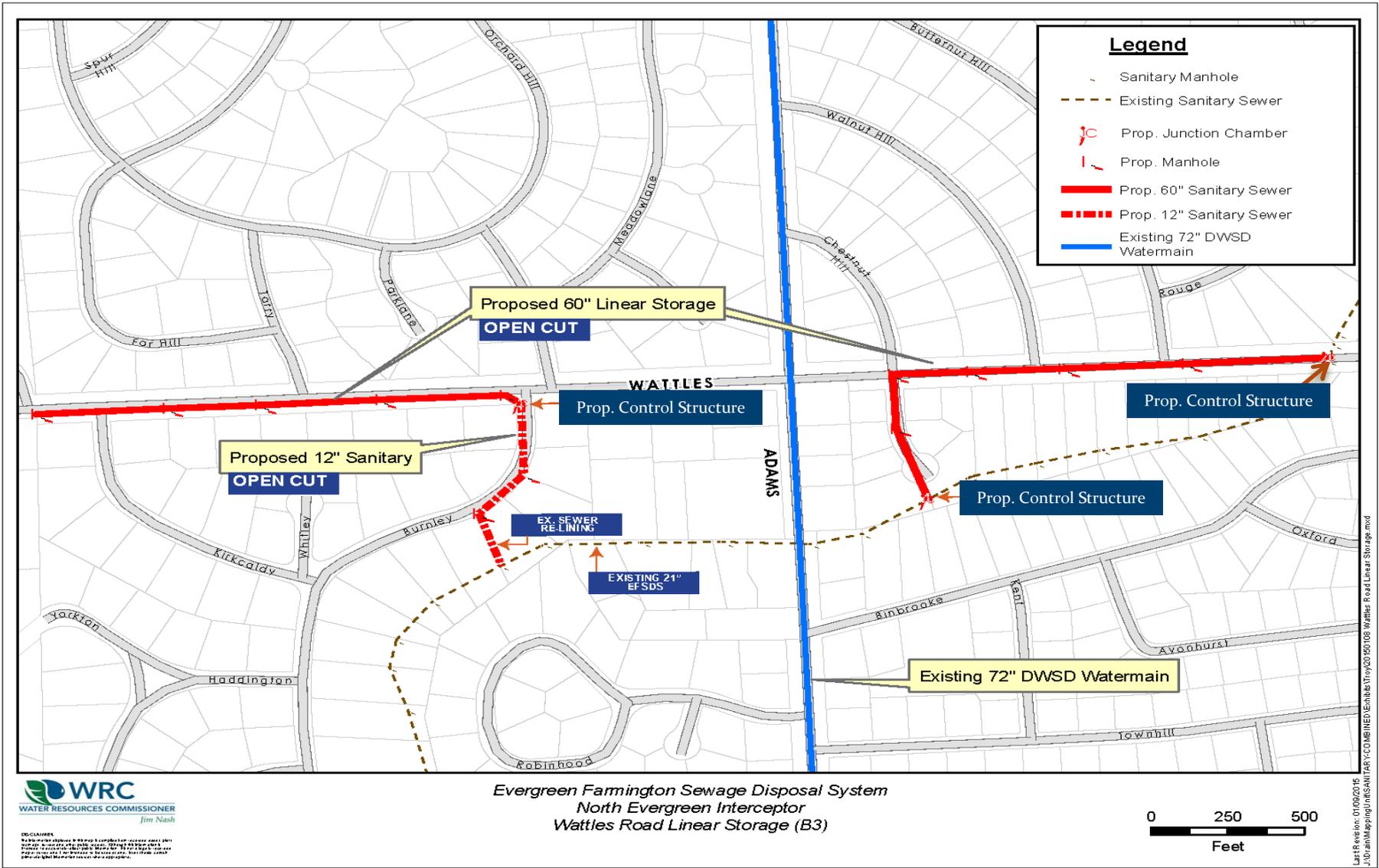
# Need For Project

- The Oakland County Water Resources Commissioner's Office (WRC) owns, operates, and maintains the Evergreen-Farmington Sewage Disposal System (EFSDS).
- WRC is under an Administrative Consent Order (ACO) by the State to address known deficiencies in the system.
- Pipe Capacity and hydraulic inefficiencies increase the risk of potential Sanitary Sewer Overflows (SSOs) during higher wet weather flows. SSOs can affect the water quality of the receiving stream.
- Two additional projects are being completed concurrently to meet ACO requirements.

# Project Background

- Provides storage in a 60” diameter sanitary sewer along Wattles Road. A portion of the storage will be provided in the City of Troy and Bloomfield Township.
- Storage system will be utilized during rain events when EFSDS system is over it’s capacity.
- The storage system will be fully automated and operate by gravity.
- A new control structure will be installed in Wattles Road and in the Chestnut Hill cul-de-sac.
- A new sanitary sewer outlet from control structure to the EFSDS will be installed south of Chestnut Hill Court.

# Wattles Road Storage



# Construction Methods

- Proposed sewer along Wattles and Chestnut Hill and below ground control structures will be installed utilizing open cut construction. Will entail soil dewatering, deep excavation, large equipment and pavement removal.
- New sewer along Wattles Road is close to two large trees and sewer will be installed by tunneling to avoid tree removal.
- Staking of irrigation systems and invisible pet fences to minimize impacts.

# Project Timeline

- Dewatering/Pavement Sawcutting – Early December
- Wattles Road Closure – Beginning Early January
- Chestnut Hill Court Sewer Construction – Beginning Mid January
- Wattles Road Sewer Construction – Late January thru Early April
- Substantial Sewer Completion – Mid April
- Pavement Removal/Preparation – Late April
- Pavement Replacement – Early May
- Landscaping and Lawn Restoration – Mid May
- Final Project Completion – Mid May

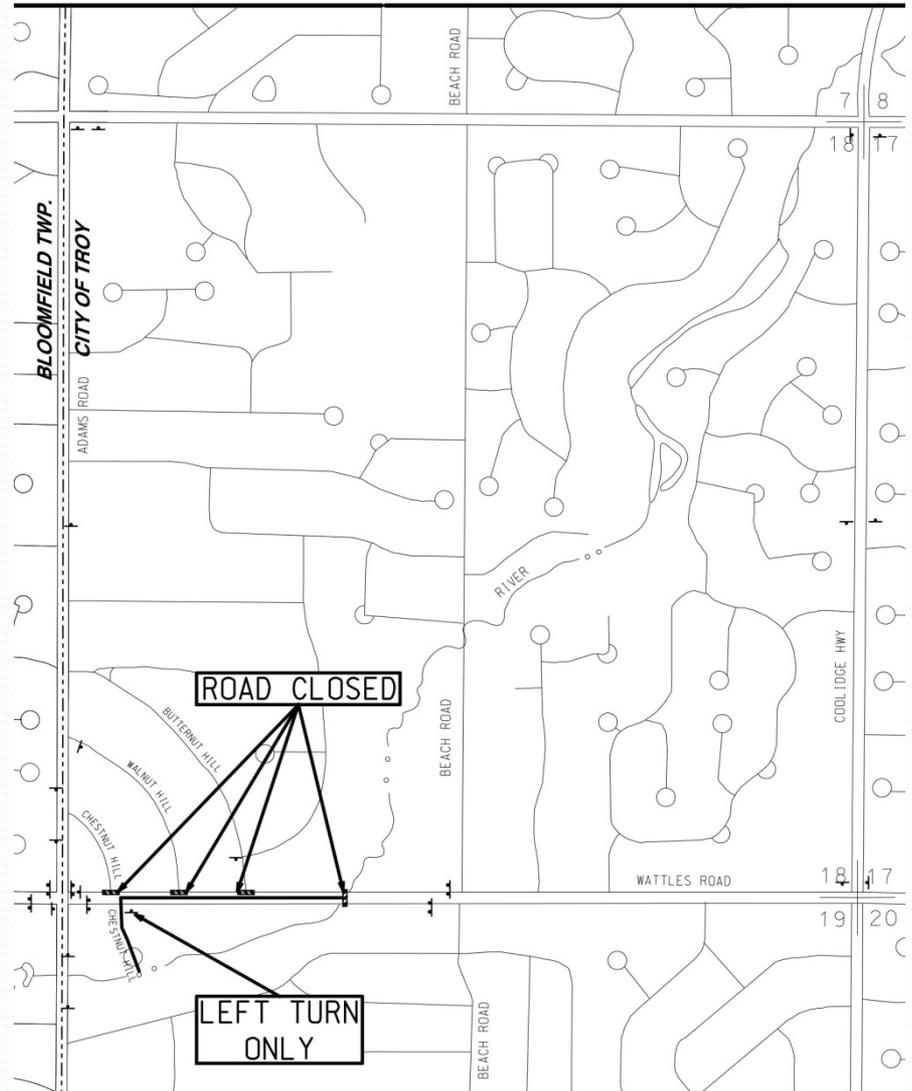


# Traffic Maintenance

- Access to properties along Wattles and Chestnut Hill Court within the sewer construction limits will be maintained throughout construction, except when construction is crossing a particular driveway. Advance warning of driveway closures will be provided.
- Through traffic on Wattles Road will not be permitted during construction and direction of travel will be controlled.



# Traffic Maintenance



## Restoration Upon Completion of Project

- Wattles Road will be repaved from Chestnut Hill Court to the Rouge River.
- Chestnut Hill Court will be repaved.
- Driveways disturbed during construction will be repaved.
- Landscaping restoration to include re-establishment of lawn and replacement of trees in Chestnut Hill Court cul-de-sac removed as part of project.



# Future Project Updates

- A project flyer will be distributed to neighborhood and area homeowners prior to start of initial construction activities.
- Additional project flyers will be distributed prior to various phases of construction as necessary to provide updates on the project and impacts to residents.





# Questions and Opportunity to Review Project Plans