

Cresheim Valley Drive Sewer Project

Sewer Reconstruction; PWD Project # S-41132-R

October 2021

Contractor: C. Abbonizio Construction
PWD Construction Engineer: Shyam Thomas
PWD Inspector: Dan Matour



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WATER
— DEPARTMENT —

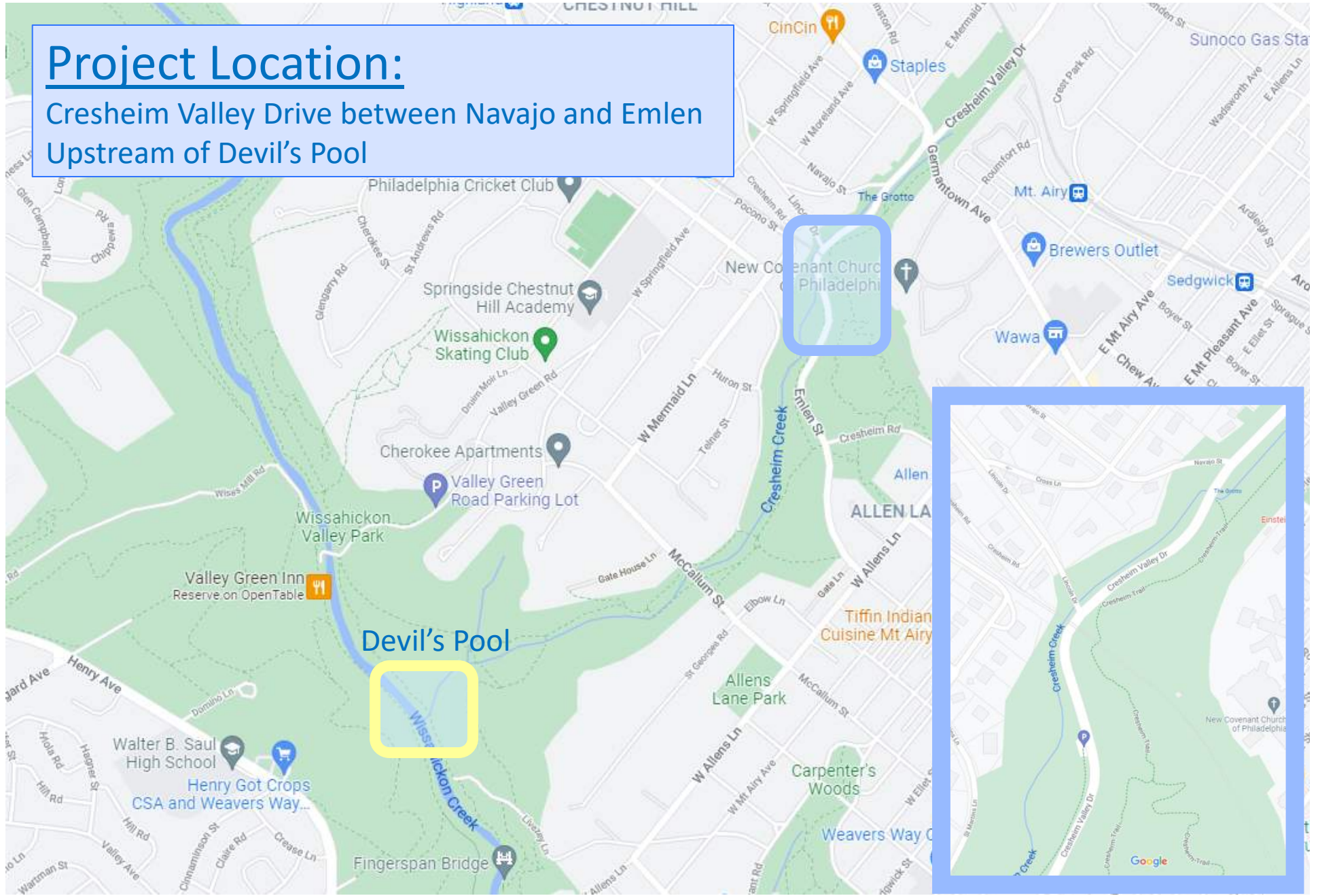


Presentation Goals

- **Provide Project Background**
 - Identify the Project Need
 - Explain PWD's Solution
- **Address Community Concerns**
 - Construction Duration
 - Traffic & Detour

Project Location:

Cresheim Valley Drive between Navajo and Emlen
Upstream of Devil's Pool

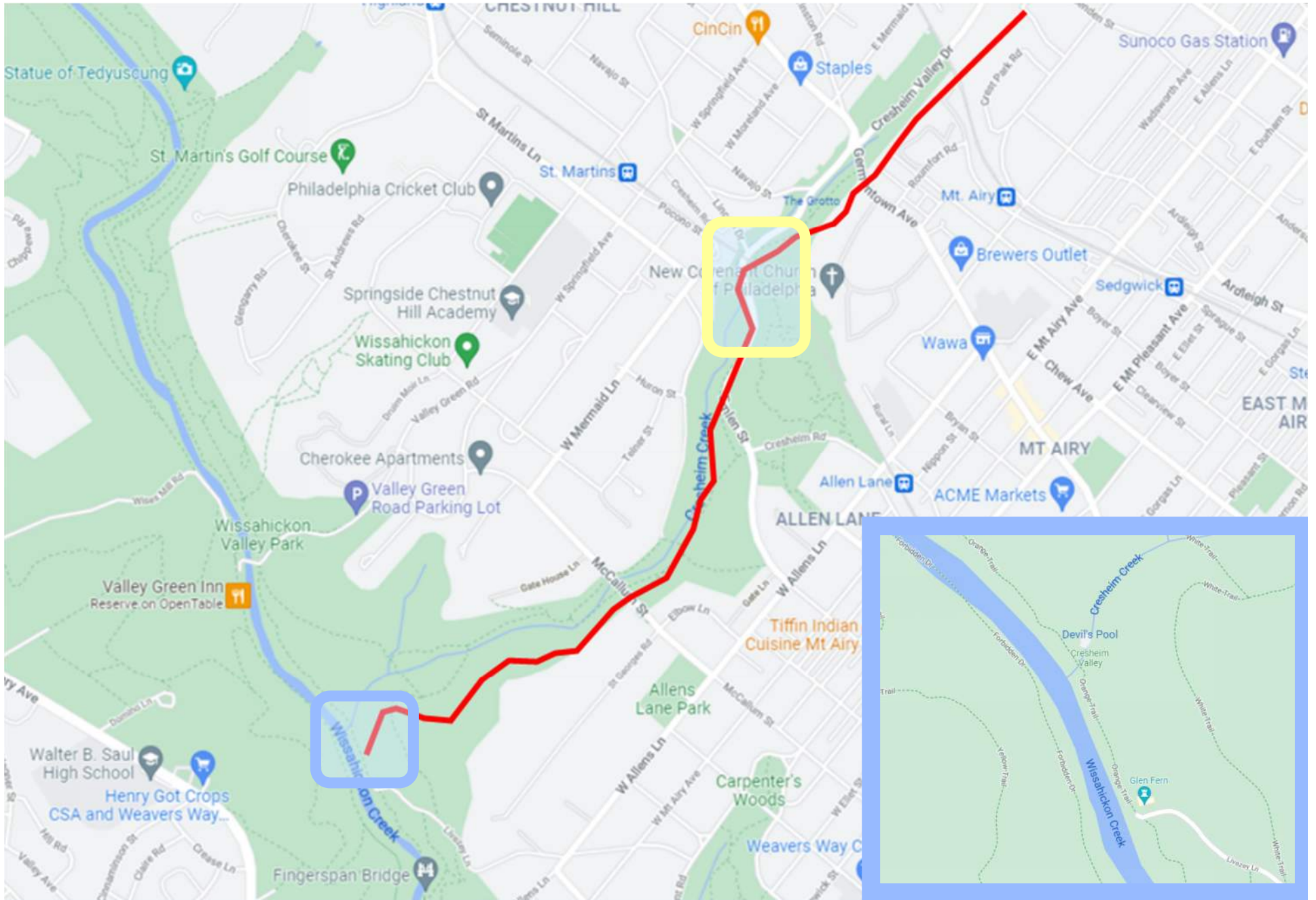




Project Need

- Abate Sanitary Sewer Overflows (SSOs)
- Meet PADEP Compliance
- Avoid Building Moratoriums (Act 537)
- Mitigate Bacteria Levels in Cresheim Creek, ie Devil's Pool
- Cresheim Interceptor Constructed in 1890

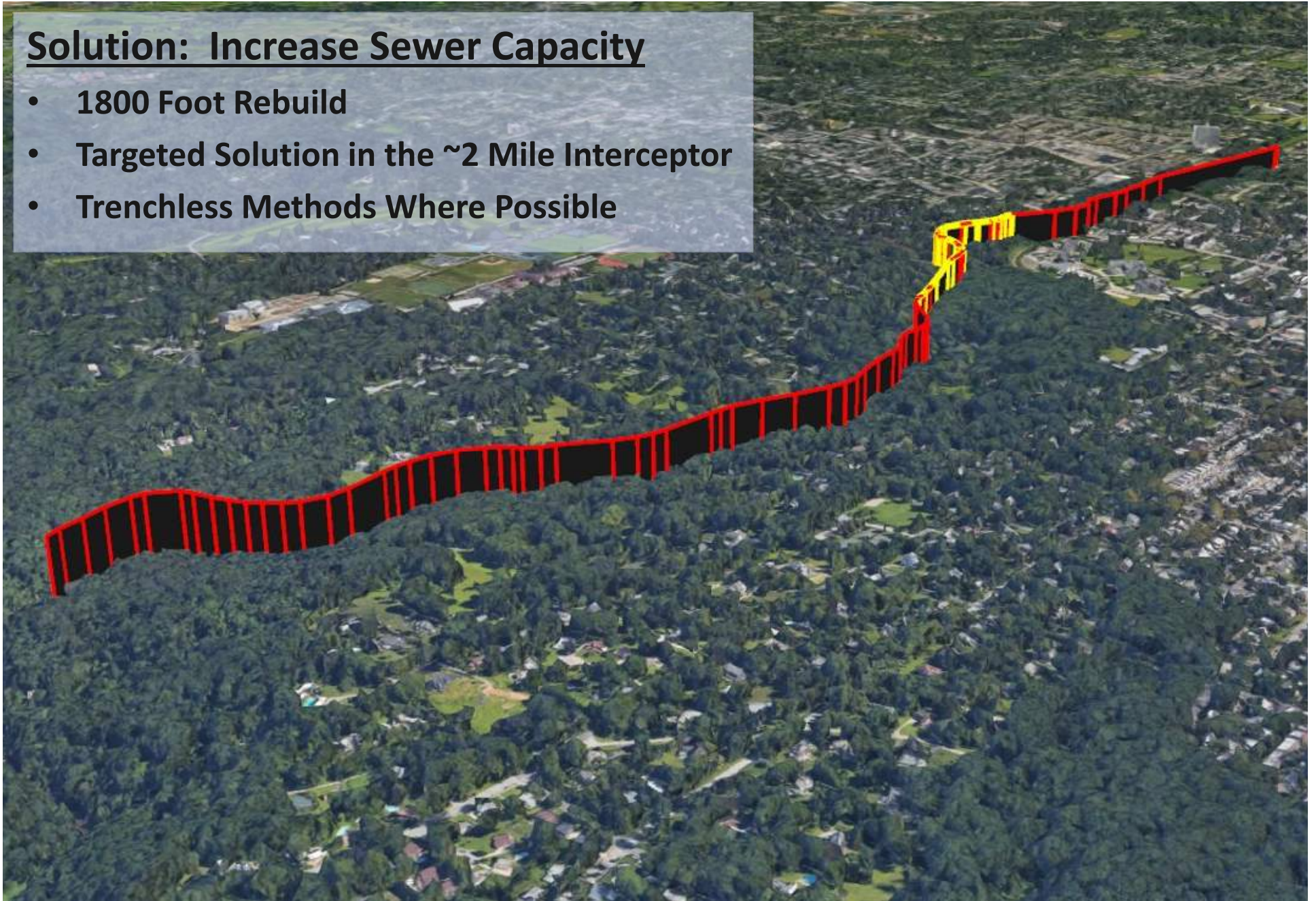


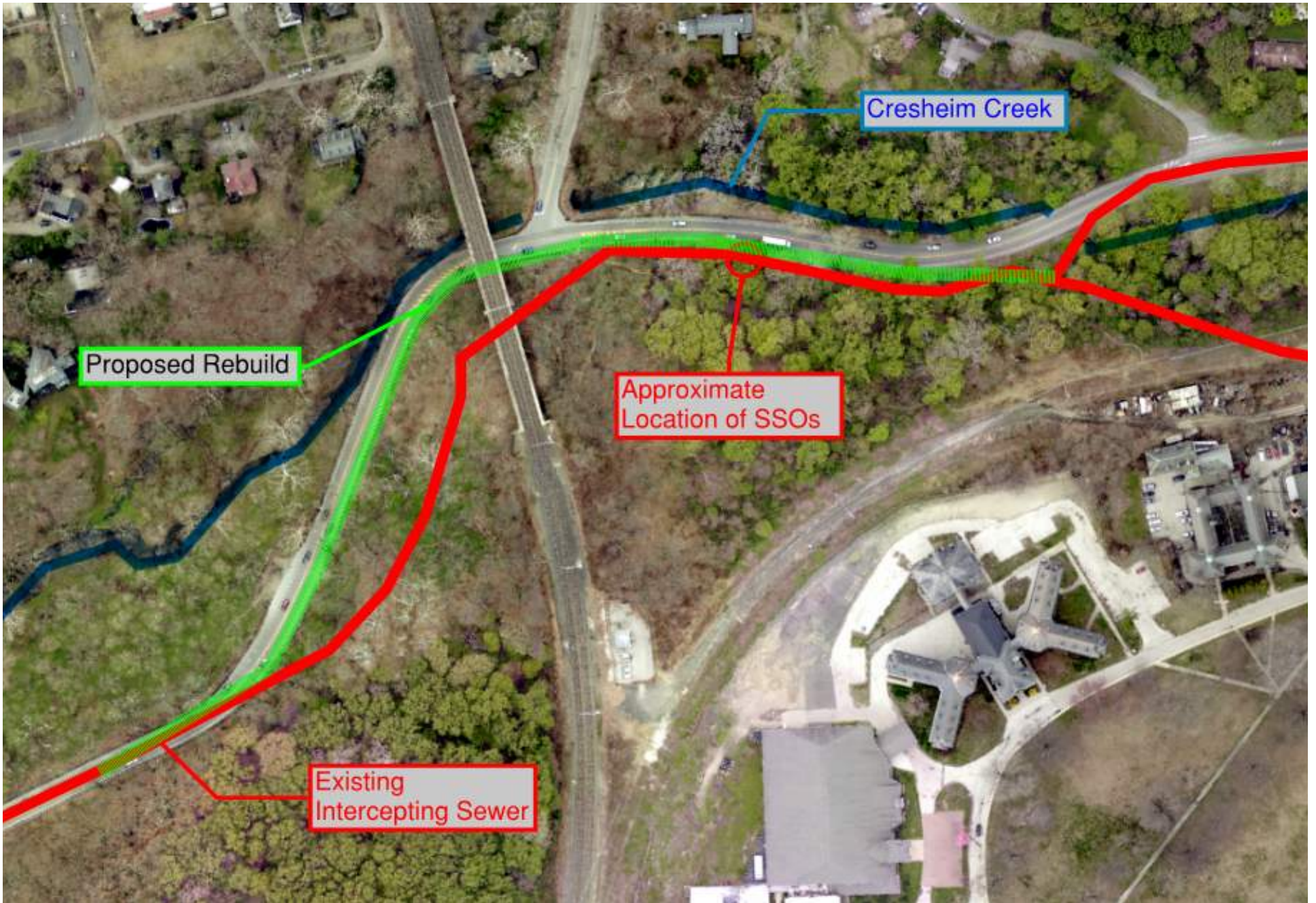


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Solution: Increase Sewer Capacity

- 1800 Foot Rebuild
- Targeted Solution in the ~2 Mile Interceptor
- Trenchless Methods Where Possible





Cresheim Creek

Proposed Rebuild

Approximate Location of SSOs

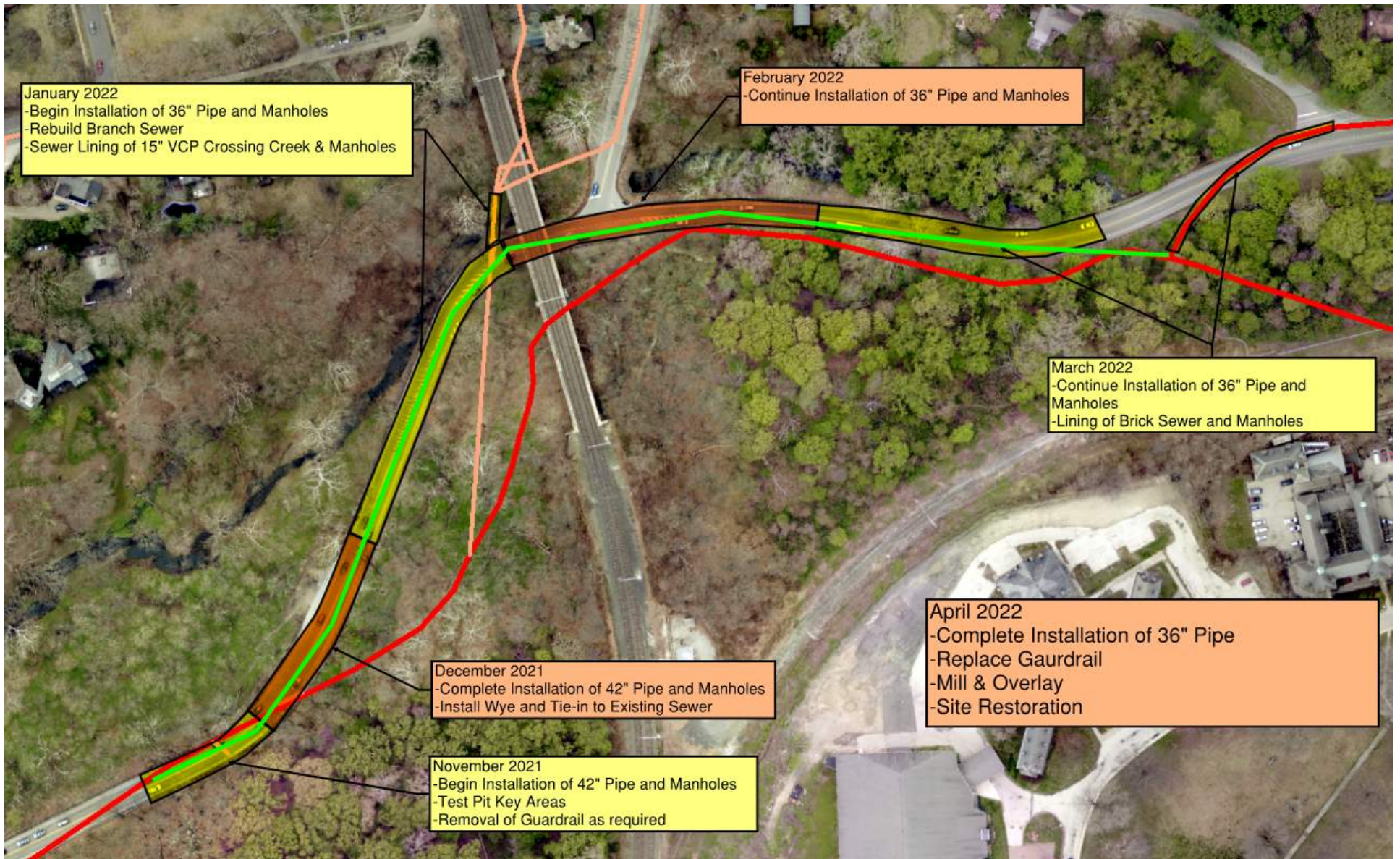
Existing Intercepting Sewer



Construction Duration

- **24 Hour Full Road Closure**
 - Start: November 8th, 2021
 - End: April 2022
- **6 Month Project Duration**
 - Typical 8-9 Months
- **Lighter Pipe Material**
 - 25% Faster Installation
- **Rebuild in Roadway**
 - Only Feasible Option
 - Supported by Parks Dept.
 - Supported by Trail Users
 - Reduced Risk

Construction Sequence & Schedule



Why the Need for Full Closure?

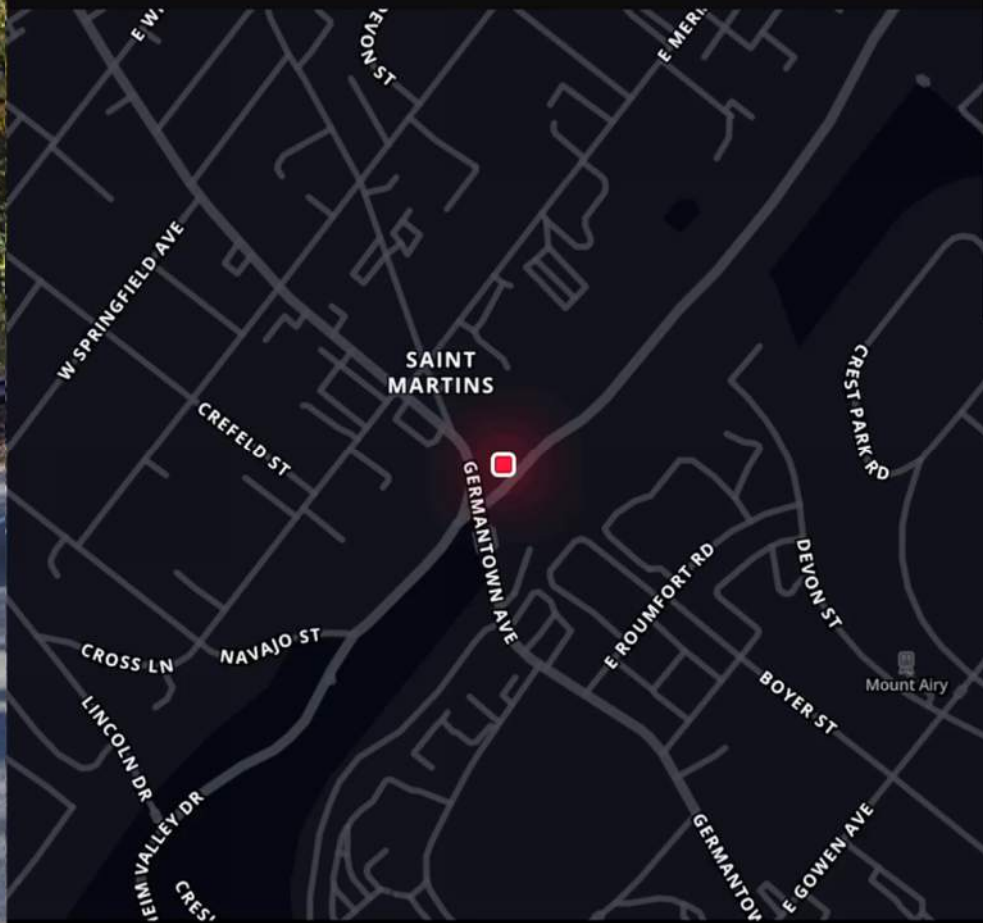


SAFETY

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 CITIZEN

 APP STORE



Oct 23

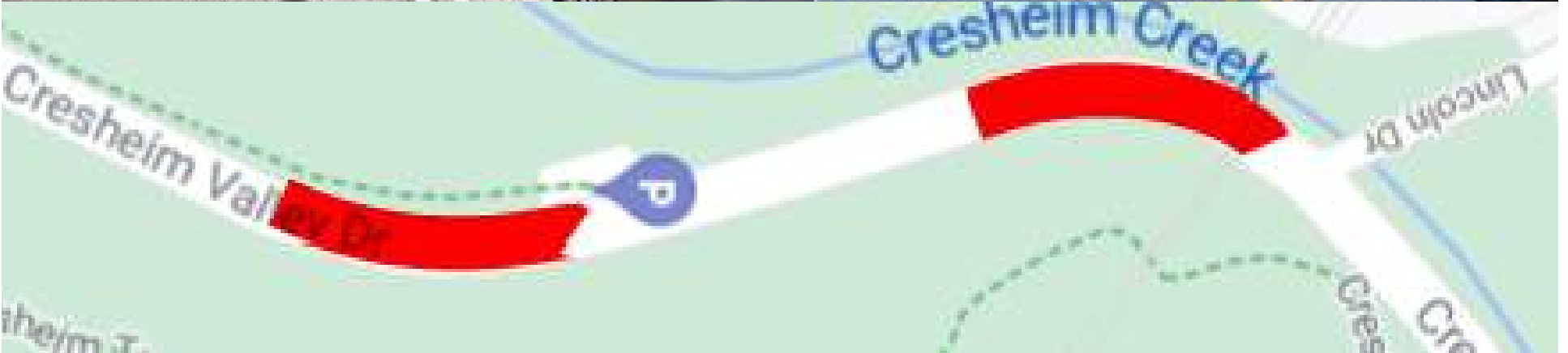
Overtaken Vehicle

7639 Germantown Ave · Chestnut Hill,

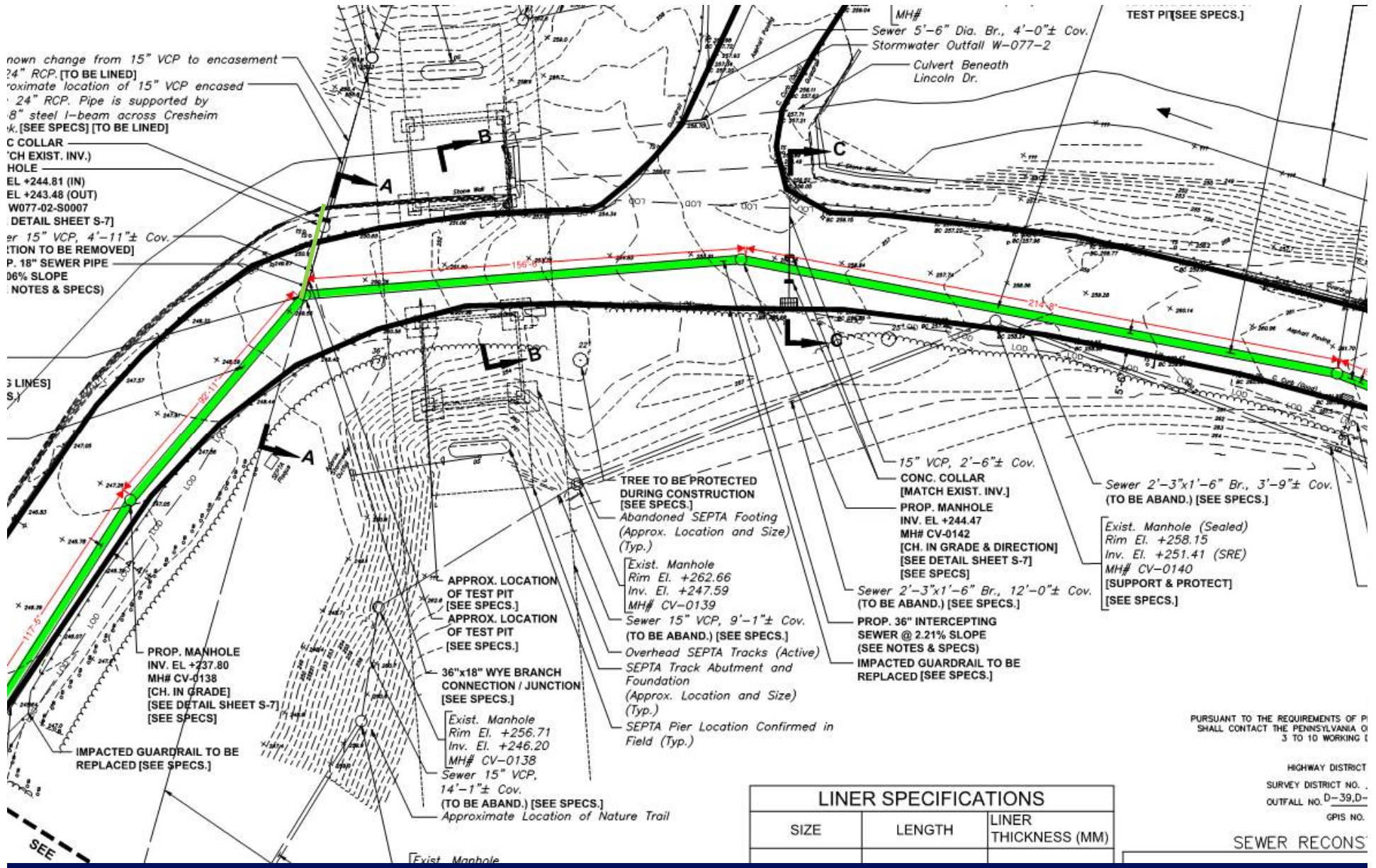
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Road Curvature, Limited Sight Lines on Cresheim Valley Drive



New Sewer Alignment At Lincoln Drive Intersection



Henry Houston Elementary

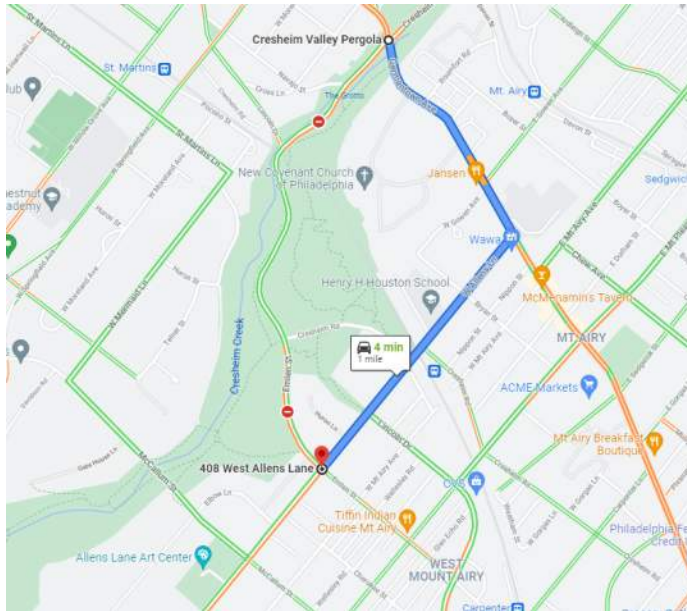
- Southbound Traffic Backs Up Due to Student Drop-Off & Pick-Up
- 8:00 AM – 8:30 AM & 2:45 PM – 3:15 PM
- 15 MPH Traffic Zone During Pick-Up & Drop-Off Times
- School Traffic Also Utilizes Rural Lane



Other Traffic Concerns

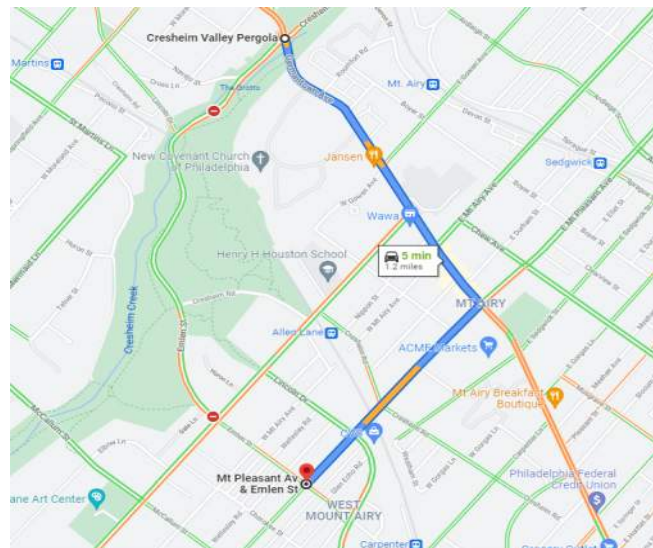
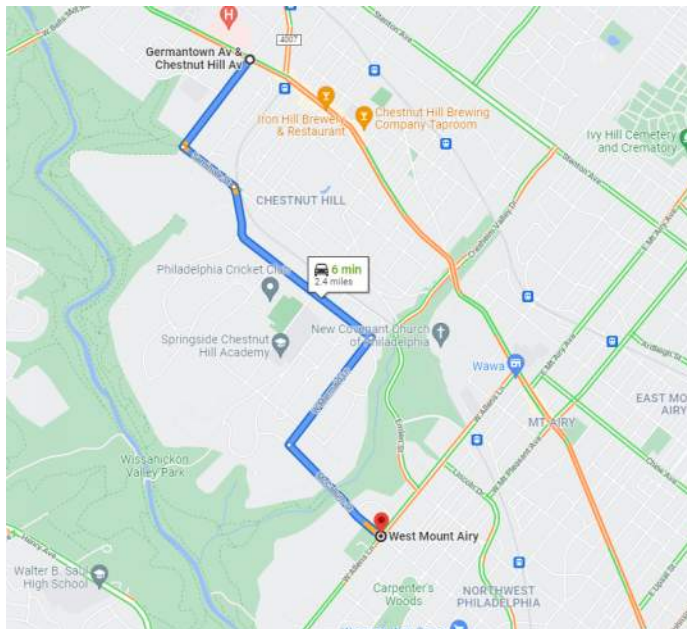
- **Allens Lane Bridge Reconstruction**
 - Reopened Spring 2021, earlier than expected
 - Project Bid May 2021
- **SEPTA Strike?**
- **Alternate Routes**





GPS Technology Offers a Personalized Detour

- Road Closures Updated on Google Maps and Waze
- Real Time Traffic Updates Can Help to Reduce Congestion



Google Maps





Germantown Ave -- Facing Southbound



Intersection w/
Germantown Ave

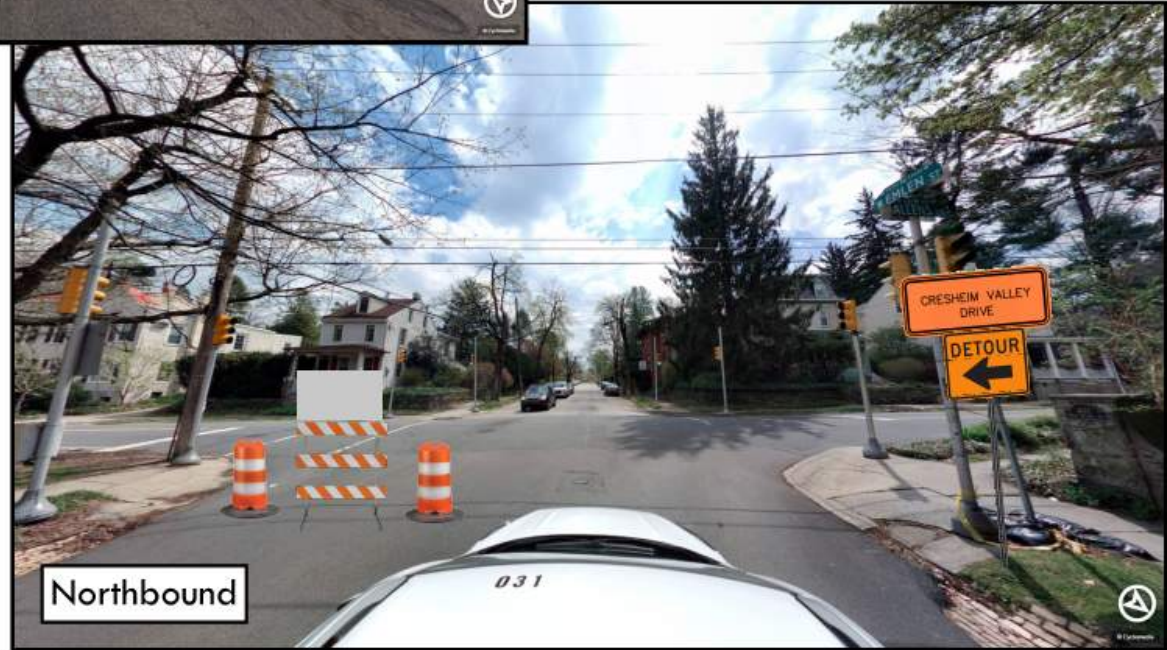


Approach

Cresheim Valley Dr -- Facing Westbound



Southbound



Northbound

Emlen St



Westbound



Eastbound

W Allens Lane





MT AIRY, NORTHWEST PHILADELPHIA

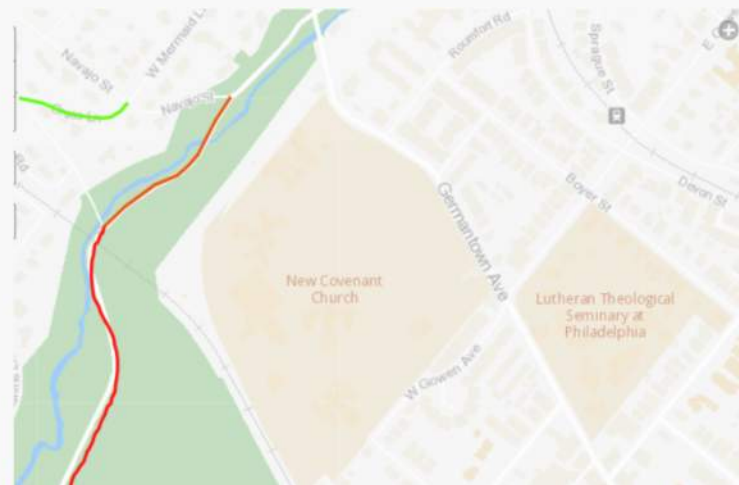
Cresheim Valley Improvement Project

Current Status: Pre-Construction, NTP Issued



START: To be announced

COMPLETION: To be announced



Project #41132

Project Type

- Sewer

ZIP Codes

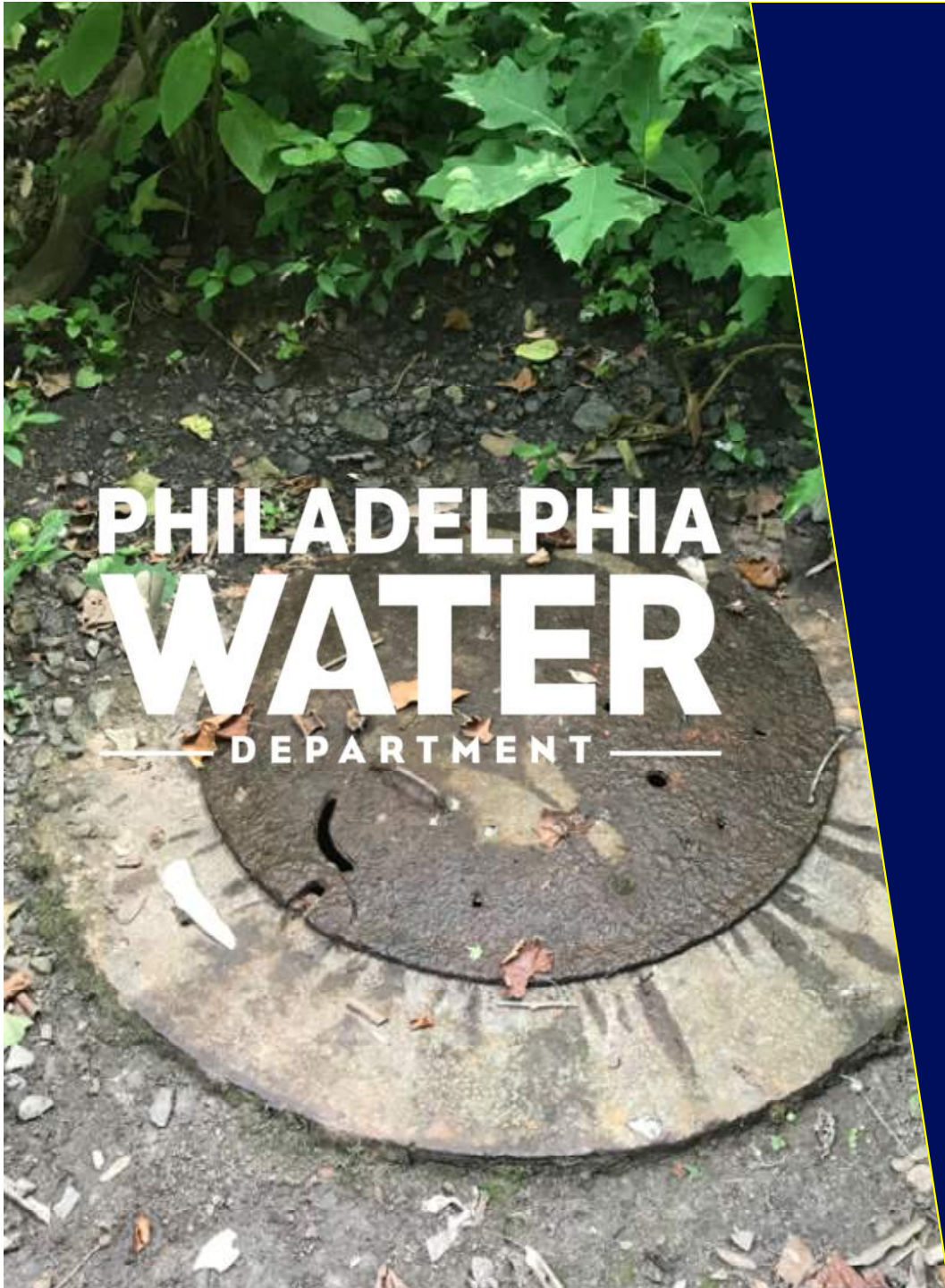
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Why are we doing this project?

PWD is replacing the pipes that carry stormwater and wastewater from homes and businesses to increase service reliability and reduce the chance of sewer back-ups during rain events.

[Learn more about Philadelphia's sewer and stormwater services →](#)

PWD Will Work to Keep the Community Informed!
<https://water.phila.gov/projects/p41132/>



Thank You!
Questions?