




PWSA Construction Updates

Highland Park Community Council

October 20, 2022



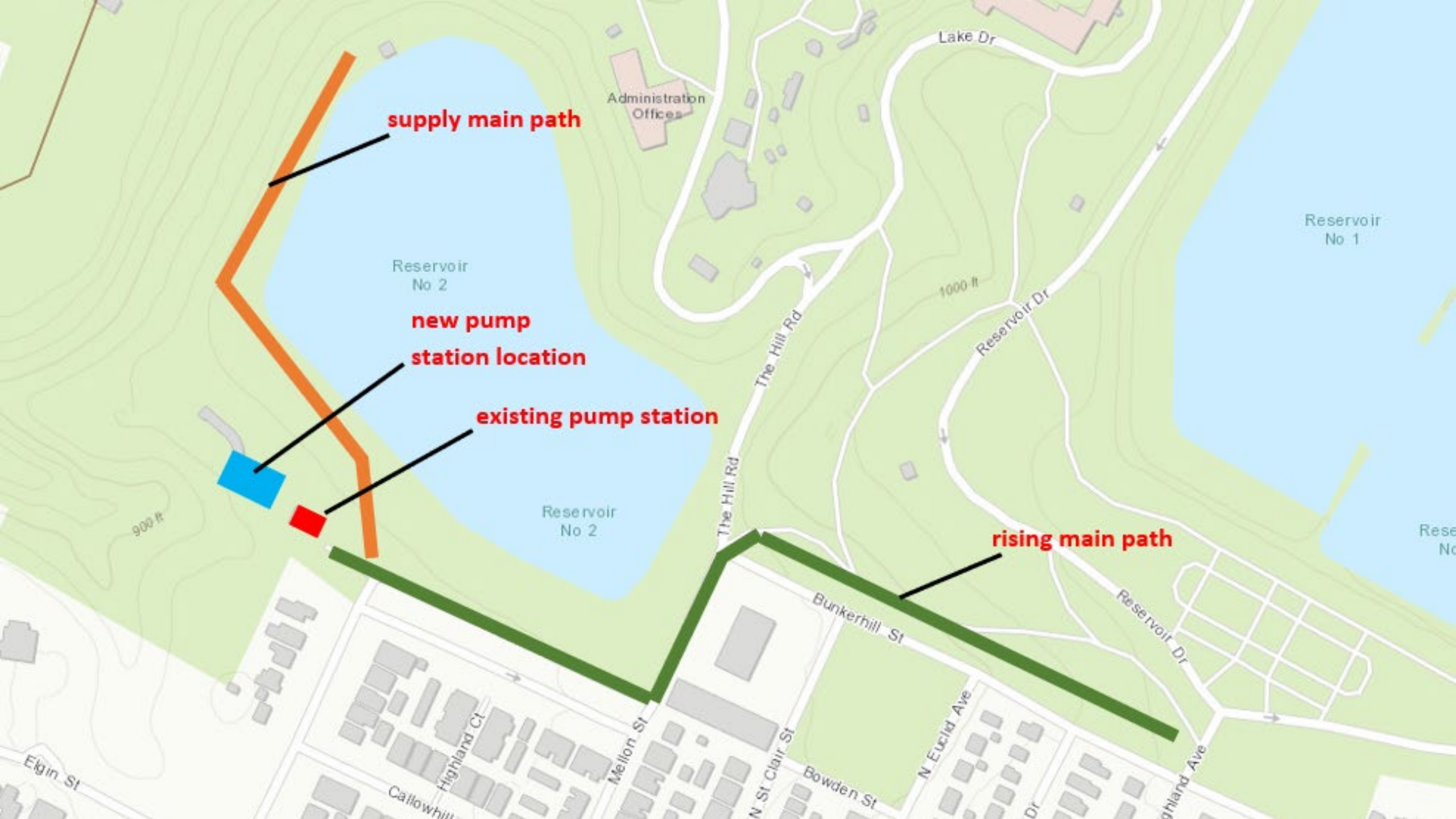
Agenda

- Highland Park Pump Station
 - Water Main Replacements
 - Lead Line Replacements – American Rescue Plan Act Project
 - Sewer Rehabilitation
- 



Highland Reservoir Pump Station Replacement and Water Main Upgrades





supply main path

new pump station location

existing pump station

rising main path

Project Timeline: Highland Reservoir Pump Station

Project/Phase	Anticipated Schedule	Activities
Close Mellon Terrace (both sides)	December 5, 2022 –February 13, 2023	Repair 24” combined sewer nearby proposed rising main
Close Mellon Terrace (reservoir side only)	January 13 – October 3, 2023	Install new rising main (8 wks.) and continue to use street to stage large-diameter pipe, other materials.
Close Mellon Street	March 8, 2023 – March 28, 2023	Install new rising main
Close Bunkerhill Street at Mellon Street (weekend work only)	March 31, 2023 – April 2, 2023	Install new rising main
Work within park	April 4, 2023 – April 24, 2023	Install new rising main within boundaries of Highland Park
Close Bunkerhill Street at Highland	April 5 – April 15, 2023	Connect new rising main to existing pipe at intersection.

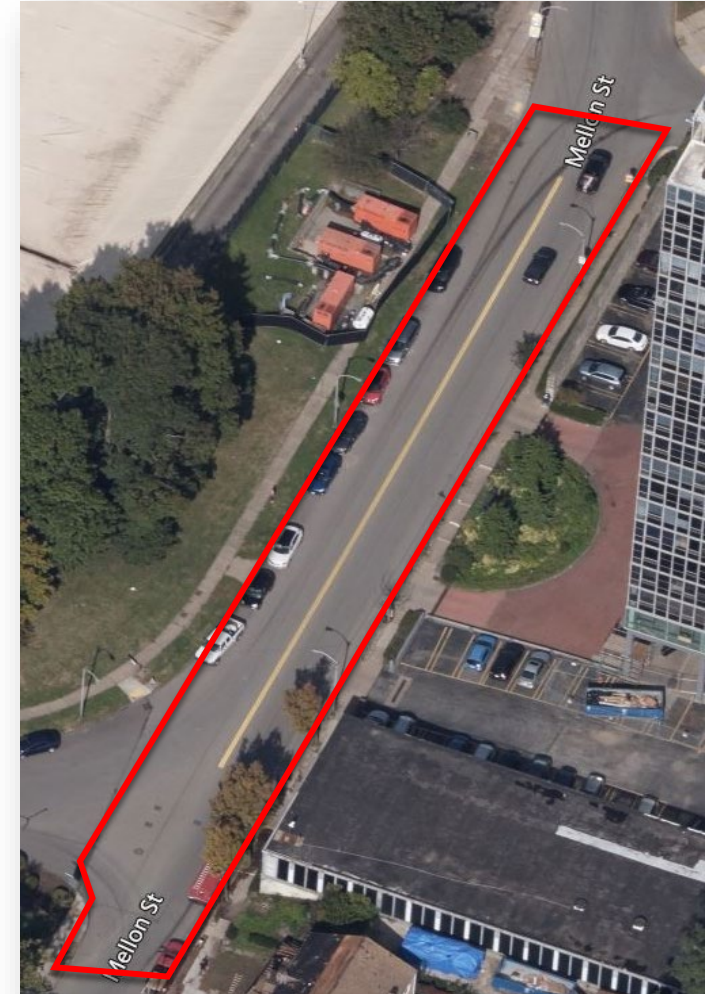
Rising Main Traffic Impacts: Mellon Terrace (north lane)

- Road will remain closed throughout project to stage materials.
- Other lane will become one-way towards N. Negley Avenue.
- Detour signage will be posted accordingly.



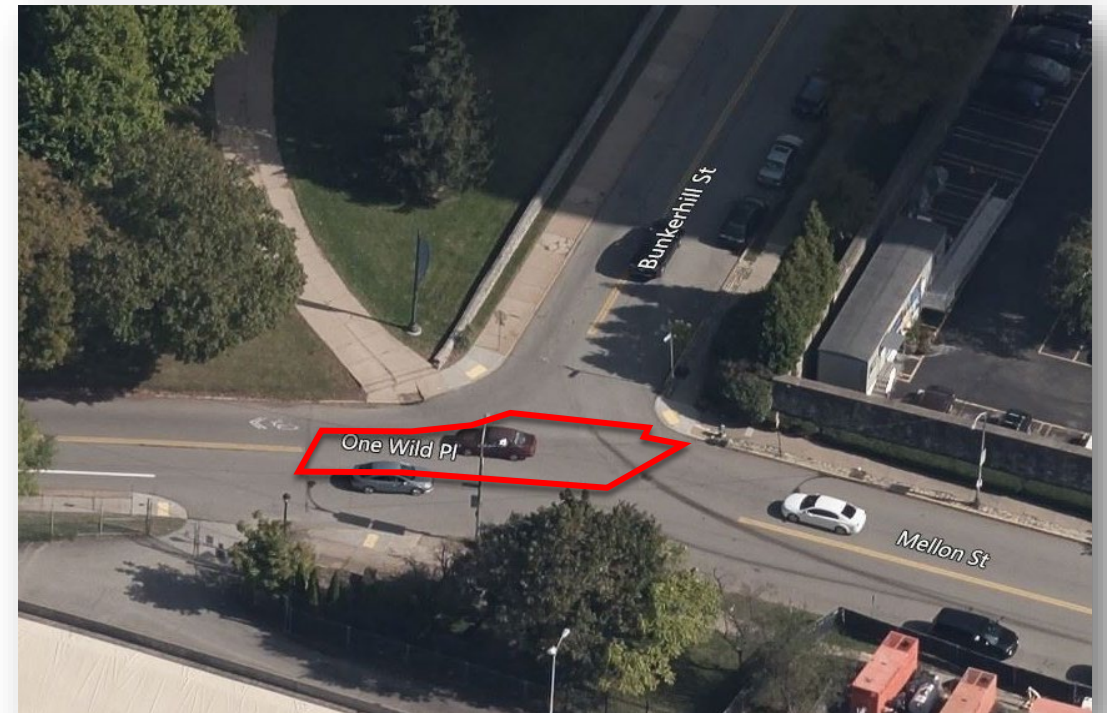
Rising Main Traffic Impacts: Mellon Street

- **4-week closure.**
- **Traffic will be rerouted to N. Saint Clair Street.**
- **Detour signage will be posted accordingly.**



Rising Main Traffic Impacts: Bunkerhill Street @ Mellon Street/One Wild Place

- **Friday 8:00 pm – Sunday 5:00 am**
- **Detour signage will be posted accordingly**



Rising Main Traffic Impacts: Bunkerhill Street @ N. Highland Avenue

- **Traffic will be rerouted to N. Euclid Avenue.**
- **Detour signage will be posted accordingly.**
- **Crews will work around-the-clock to complete work.**



Highland Reservoir Pump Station



- Construction new, modernized pump station behind the footprint of the existing pump station.
- Demolish old pump station.
- \$50 million investment in our water system.



Water Main Replacements





Completion Status

- **Hays Street** – sidewalks complete, road restoration complete before end of October.
- **N. Euclid Avenue** – sidewalks complete, road restoration complete before end of October.
- **Wayne Road** - sidewalks complete, road restoration complete before end of October.
- **Jackson Street** – brick restoration to be complete before end of October.
- **Portland Street/Portland Way** – final site work occurring now, completion within few days.
- **N. St. Clair Street** - sidewalks complete, brick restoration may extend into winter.

Project Stats

- 1.15 miles of aging water main replaced.
- 72 public, 69 private-side lead lines replaced
 - 40% public lead, 38% private lead found
 - 10% increase for both public and private from last year's contract findings.
- \$5.87 million invested in neighborhood (1/3 of total contract value)

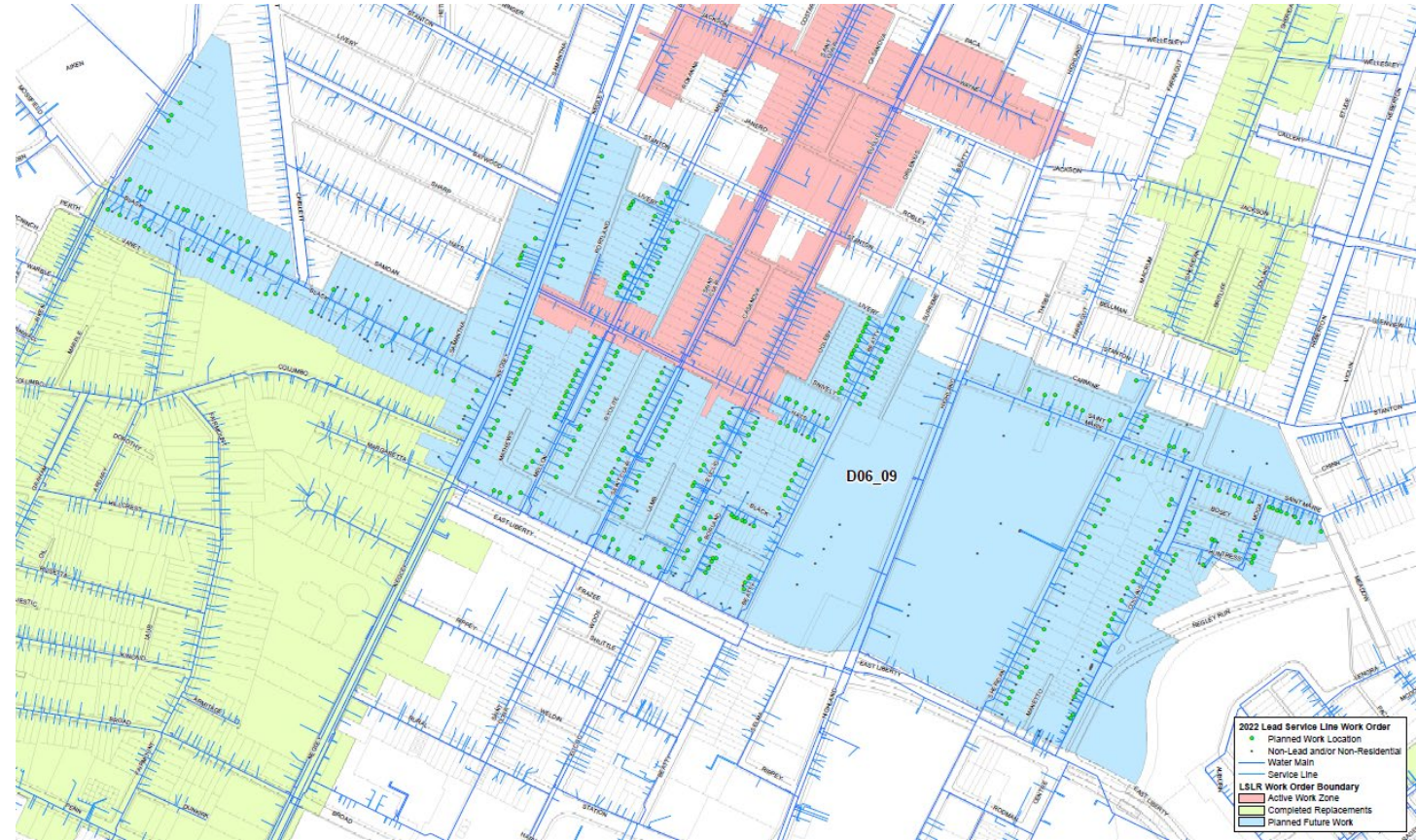


Neighborhood Lead Line Replacement Project



Project Overview

- \$17 million program funded by American Rescue Act.
- Work area was selected based on prioritization model:
 - Childhood blood lead levels (ACHD data)
 - Concentration of children under 6 and women of childbearing age (Census)
 - Income (Census)
 - Concentration of lead lines (PWSA historical records.)
- 1-2 crews will ID lead lines and work with customers to replace at no charge.
- Estimated to be completed by end of 2022, some restoration will take place in spring as weather improves.

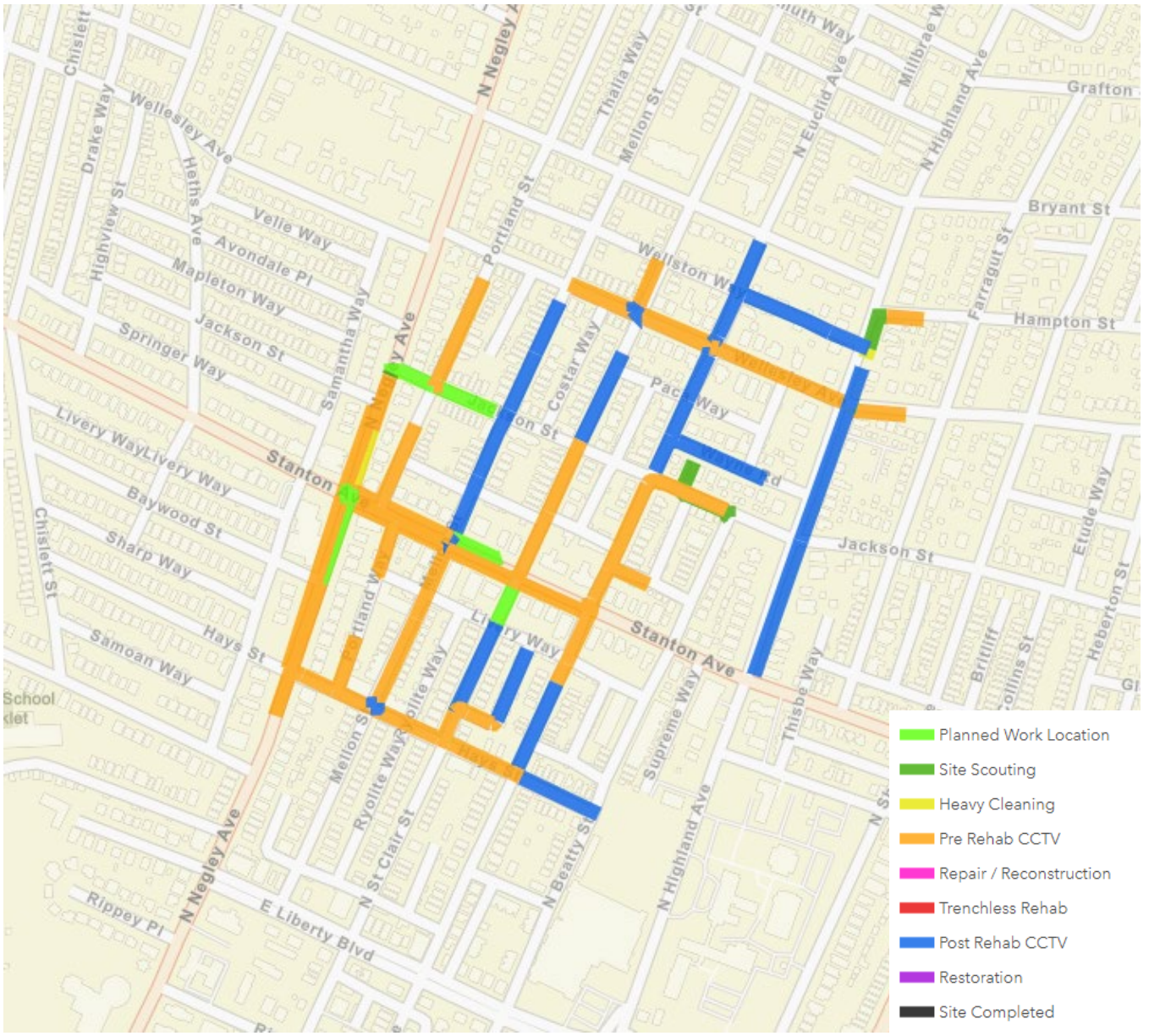




Sewer Rehabilitation

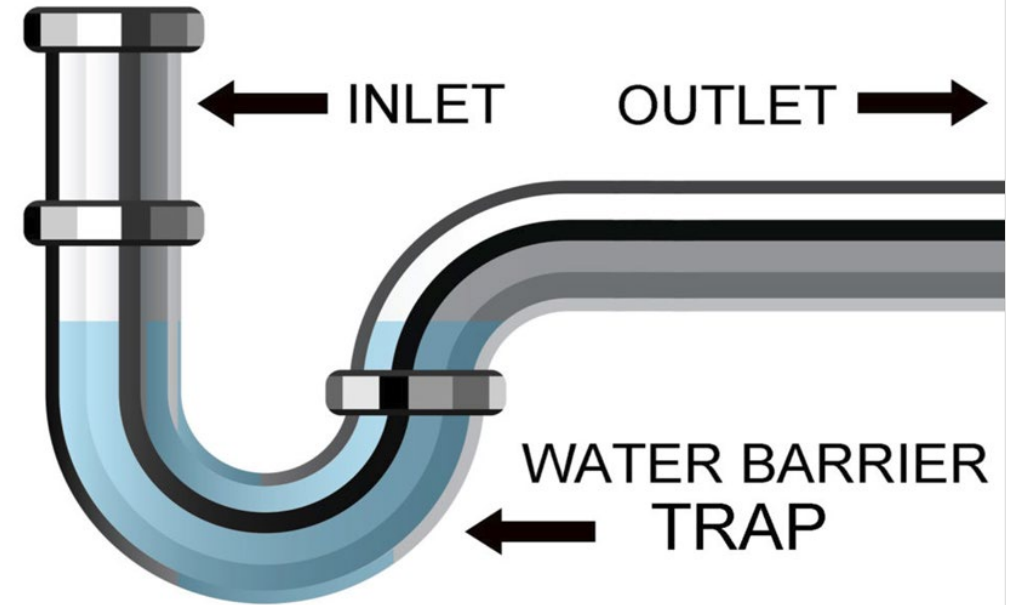
Project Overview

- \$2.45 million investment in neighborhood to rehabilitate aging sewers, ensure reliable service.
- Nearly six miles of sewer will be lined.
- Primarily done with trenchless sewer lining technology – insert and cure liner within pipe to reinforce walls, prolong life of sewer.
- Work anticipated to be complete by mid-late November.



Odor From Sewer Lining

- Sewer lining can cause odor – described as sweet – that comes up through sewer lateral into buildings.
- Happens occasionally on block where work is occurring – has been happening in Highland Park homes nearby work area.
- May be due to age of sewer system, age of some homes.
- Measures you can take:
 - **Fill sewer trap** (small drainage hole usually found in basement) with one gallon of water to block smells from rising.
 - **Ventilate house** to the best of your ability if you get odor – smell is not dangerous, but unpleasant.



Example of a water barrier that will stop odors from sewer lining work

Project Contacts

If you experience odors during sewer lining work and would like assistance, please reach out to:

Project Superintendent: Dom Lemley,
(724) 826-1295

Construction Inspector: Jeremy Rybarik,
(724) 859-8025

If you'd like to learn more about the process of sewer lining, watch our educational video "[PWSA Sewer Lining](#)".



A woman with short dark hair, wearing a blue polo shirt and large white square earrings, is leaning on a silver metal railing. She is looking towards the left of the frame. In the background, there is a concrete-lined canal with water. Beyond the canal, there are lush green trees and a tall building in the distance under a bright, slightly hazy sky. The overall scene is outdoors and appears to be a park or public space.

Thank you

Questions or comments,
please contact Mora
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