



Oakland Construction Updates

Oakland Planning and Development Meeting

May 18, 2022

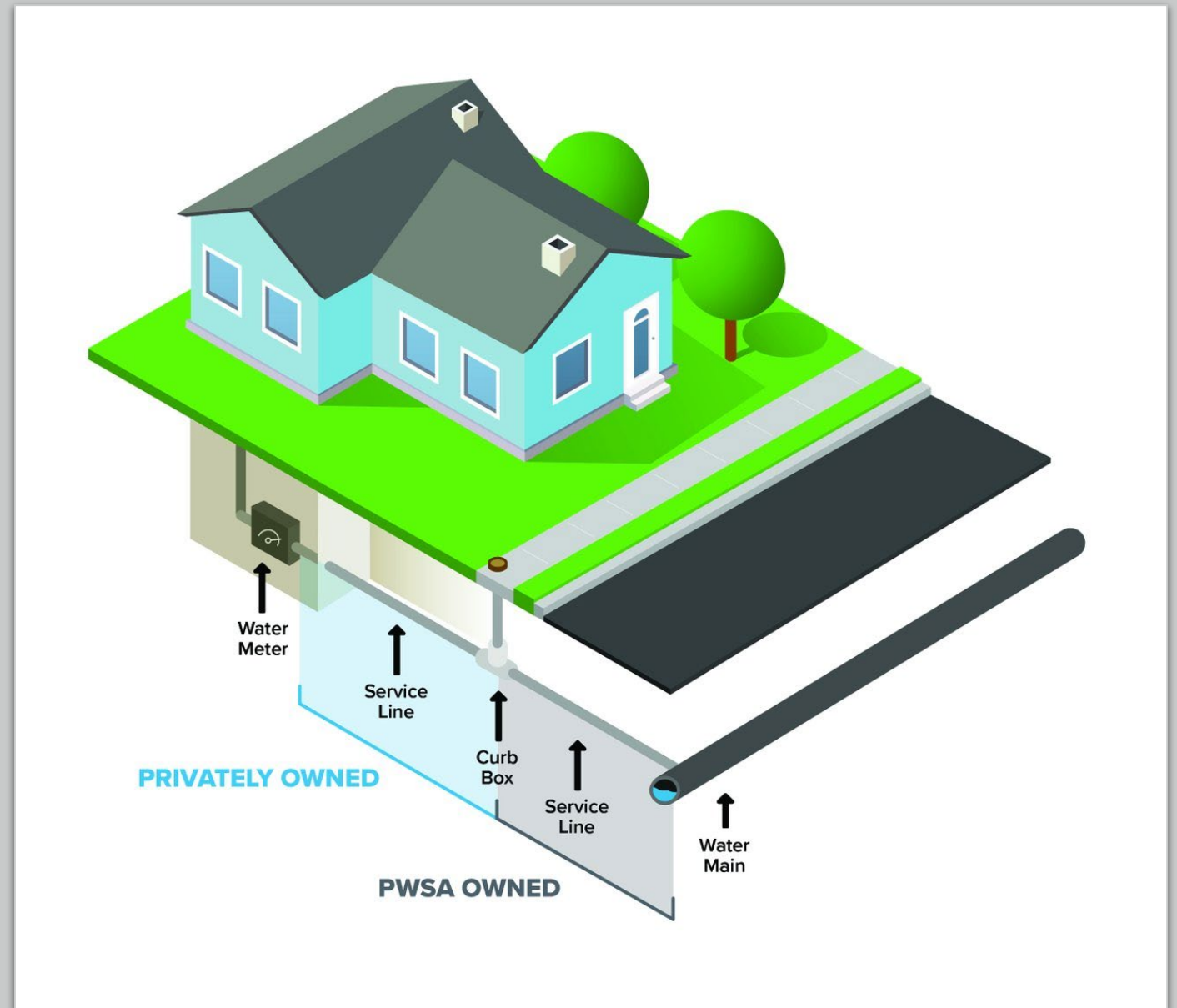


Agenda

- Water Main Replacement Program
- Neighborhood Lead Line Replacement Program
- Lawn and Ophelia Stormwater Project
- Questions

What is PWSA doing?

- Replace portions of water mains in Central and West Oakland
- Target lead service line replacement in North and South Oakland
- Install stormwater management system at the Lawn and Ophelia Parklet





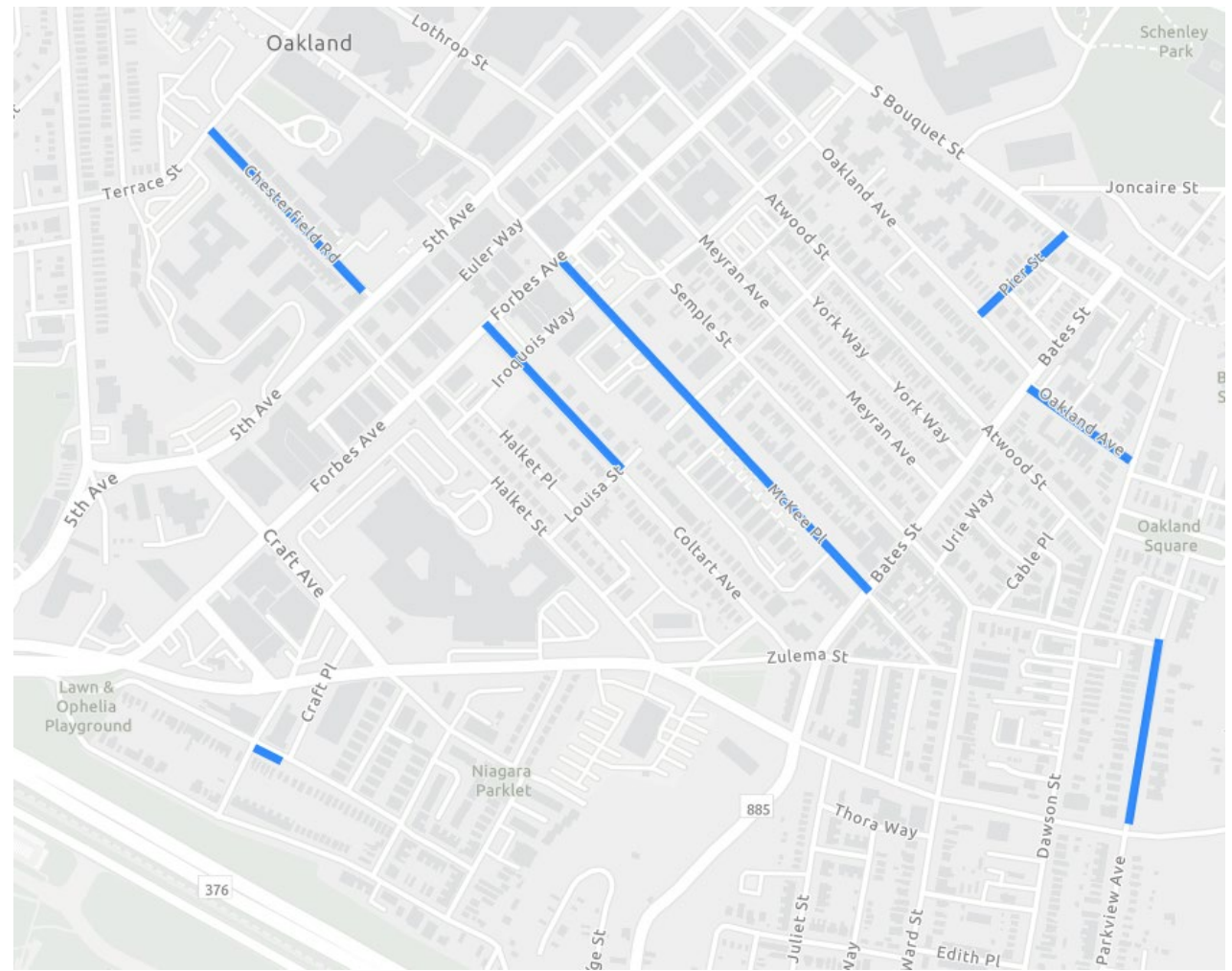
Water Main Replacement Project

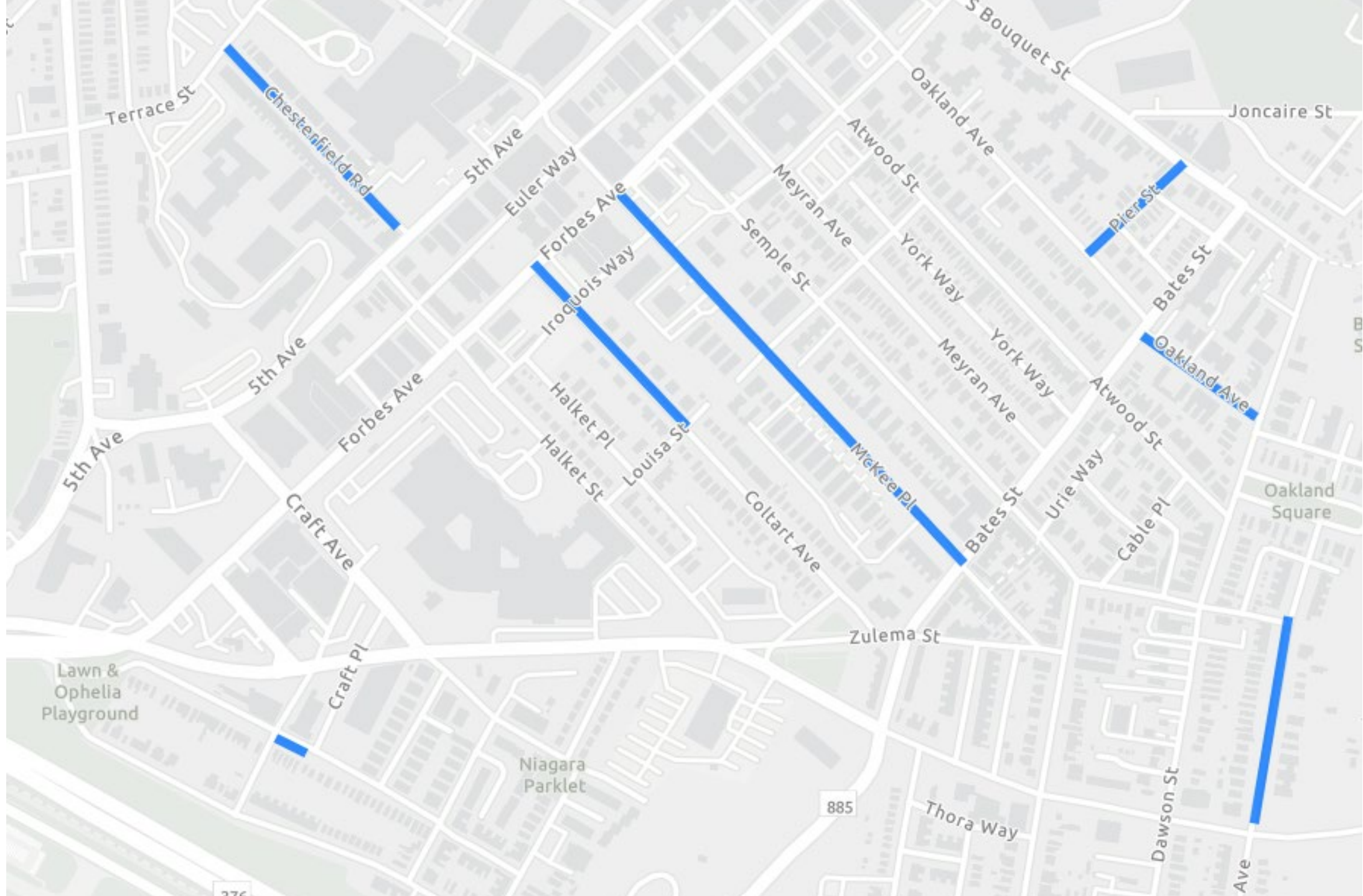
Water Main Replacement

Contractor crews will replace water mains on the following streets:

- **Parkview Avenue** (Semple Street - Boulevard of the Allies)
- **Oakland Avenue** (Bates Street - Dawson Street)
- **Pier Street** (Oakland Avenue - Bouquet Street)
- **Whitney Street** (Oakland Avenue – dead end)
- **Mckee Place** (Forbes Avenue - Bates Street)
- **Coltart Avenue** (Forbes Avenue - Louisa Street)
- **Chesterfield Road** – (5th Avenue - Terrace Place)
- **Ophelia Street** (Hamlet Street - Craft Place)

Contractor: **Folino Construction Inc.**



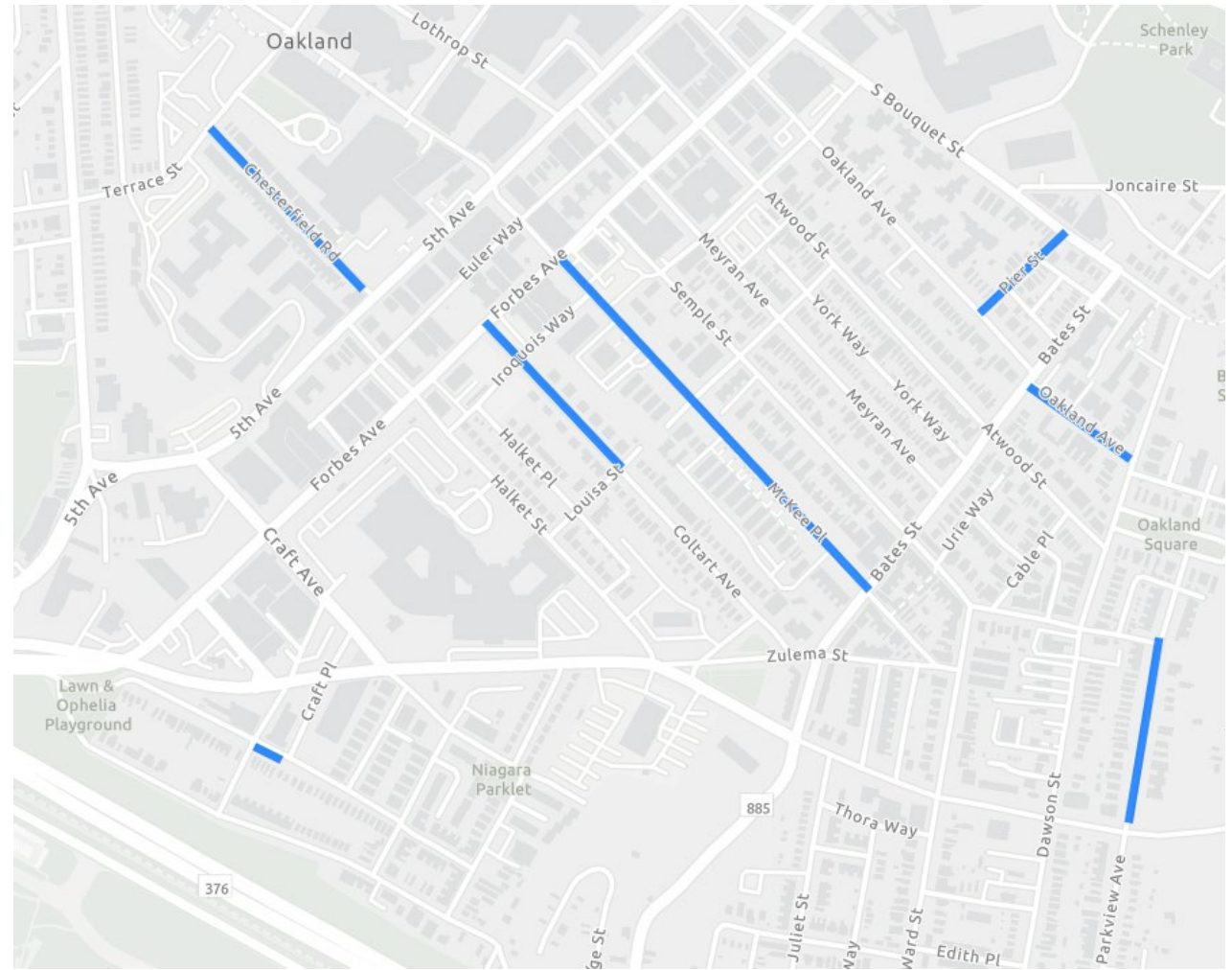


Process Steps

- **Inspect service line material:** Crews will go to each property and verify the material of each service line connected to the old main. This will help identify locations with lead service lines.
- **Install new water main:** Crews will work their way down the street laying the new water main. The old water main will remain in service during this time. After the main is installed, the pipe will be tested to make sure it was installed properly.
- **Install new service lines:** Crews will attach new service lines to the new water main. We will coordinate with residents with privately owned lead service lines to replace them at no cost.
- **Restoration:** Crews will finalize work by restoring sidewalks and asphalt that were impacted by the construction to the state they were before construction.

Project Timeframe

- Construction start: **mid-May 2022**
- Construction completion: **Spring 2023**
- First blocks impacted:
 - McKee Place
 - Parkview Avenue
 - Whitney Street
 - Chesterfield Road



Daily Impacts

- **Typical Work Schedule:** Monday-Friday from 7:00 a.m. – 5:00 p.m. Crews may work on Saturdays in efforts to complete work on schedule.
- **Traffic:** Crews will make traffic closures as needed to install water main and service line.
- Residents are advised to be on lookout for **no-parking signs**, posted 48-hours before no-parking is enforced.



Chesterfield Road

- Road will be closed to traffic from 7:00 am – 5:00 pm, M-F
- No-parking will be enforced during those hours, open to parking and traffic after working hours.
- Crews will take 1-2 parking spots across the road from parked equipment to allow room for traffic.
- Delivery vehicles will park at Terrace Street intersection and walk deliveries down.
- Coordinating with Waste Management services regarding trash pickup.





Lead Service Line Replacement Project

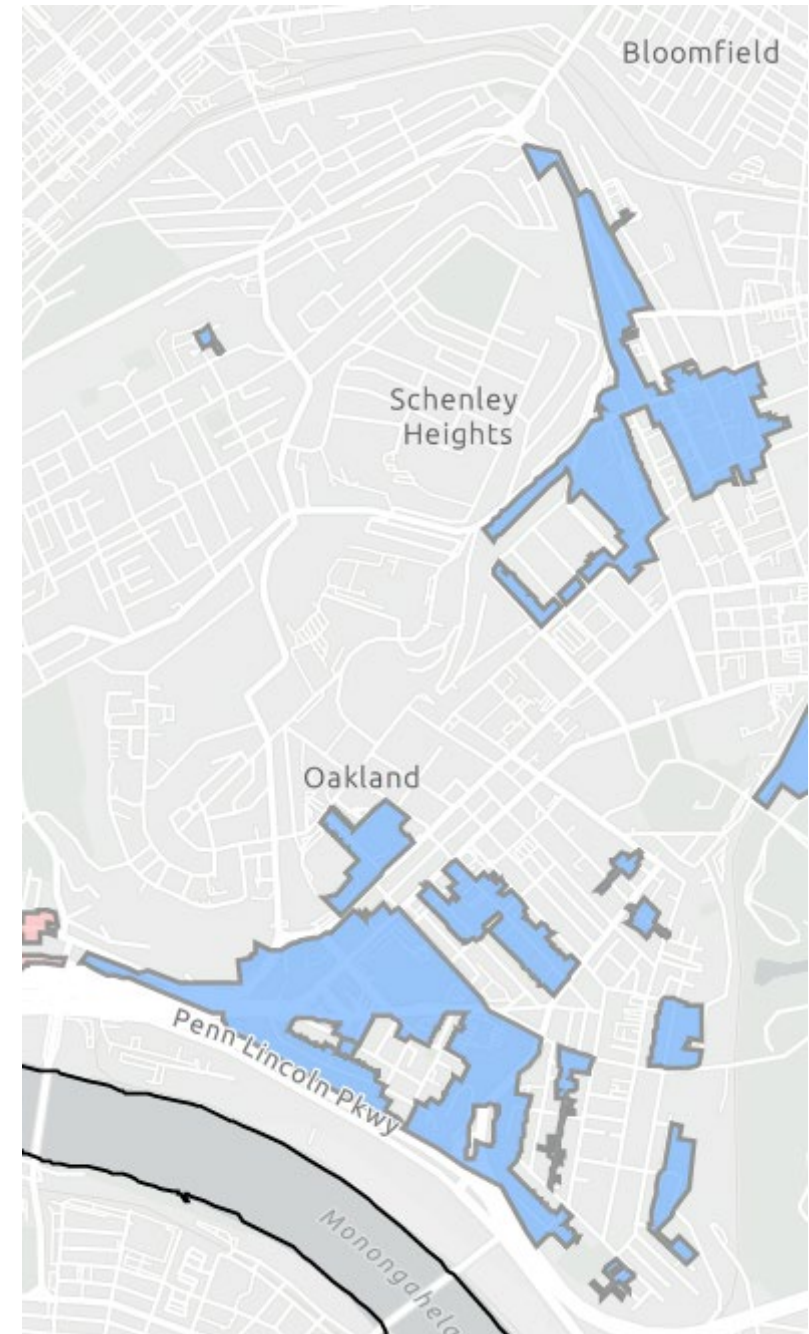
Neighborhood Lead Line Replacement Project

- One-time project funded by American Recovery Plan Act of 2021.
- \$17M investment in removing lead from PWSA's water system.
- Verify service lines identified as "lead" or "unknown" and replace all lead in several neighborhoods in PWSA service area.



Lead Line Replacement

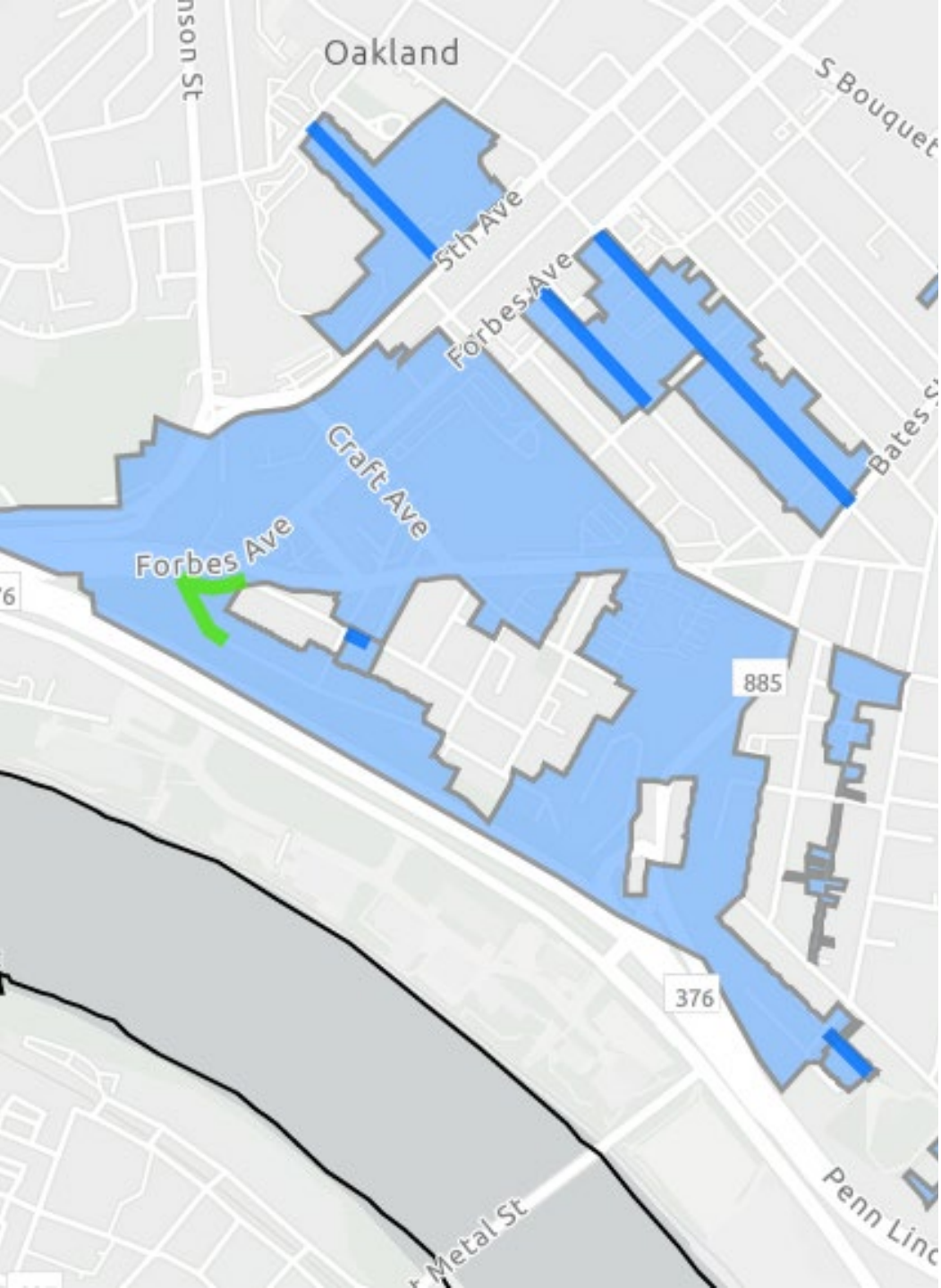
- Contractor crews will replace any lead service lines found in portions of North and South Oakland.
- Work areas were determined using a prioritization model that considers,
 - Number of children under age 6 and women of a childbearing age.
 - Blood Lead Levels in children
 - Income
 - PWSA inventory records showing lead service lines.
- Contractor: **Independent Enterprises Inc.**





North Oakland

47 locations

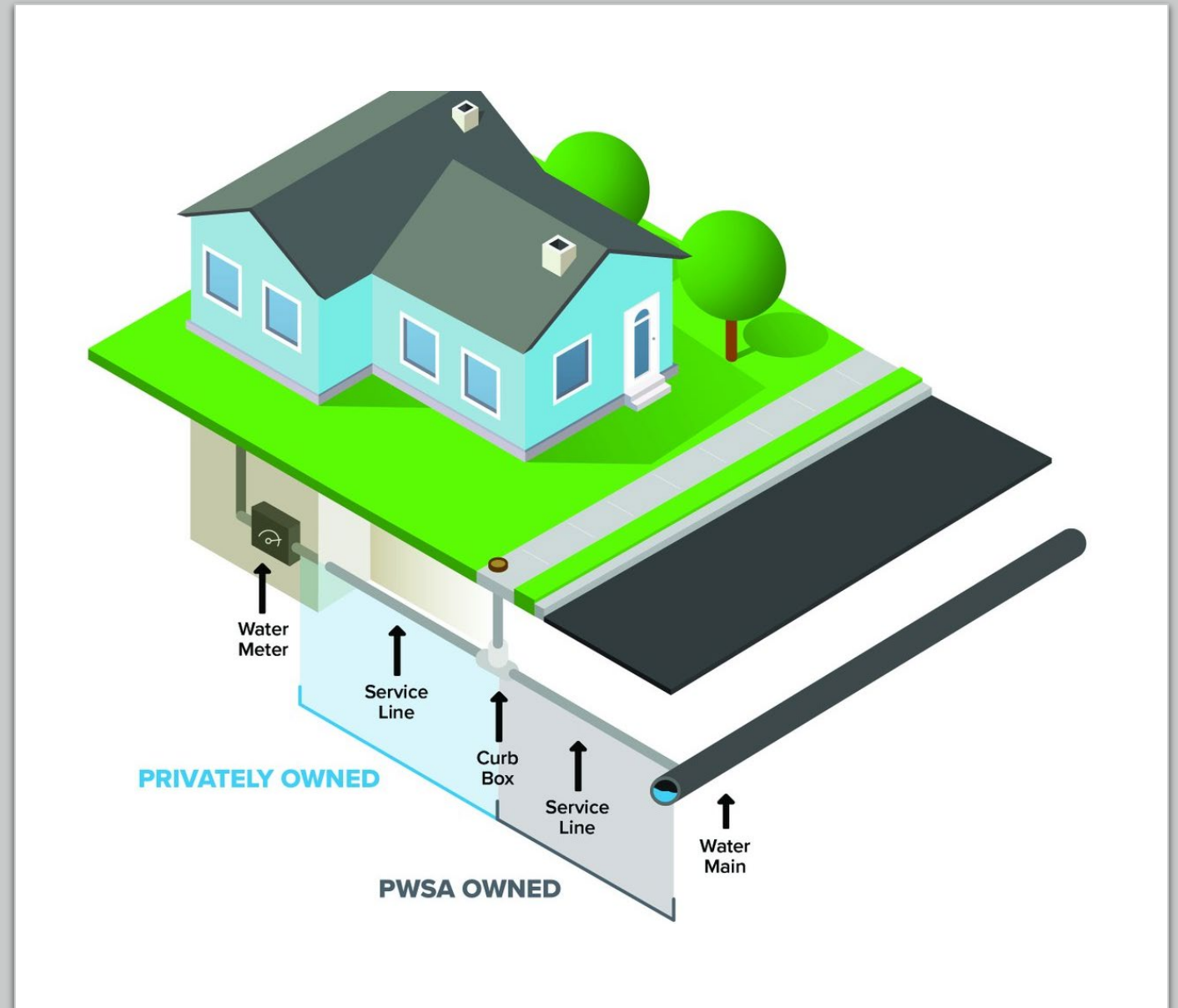


South Oakland

104 locations

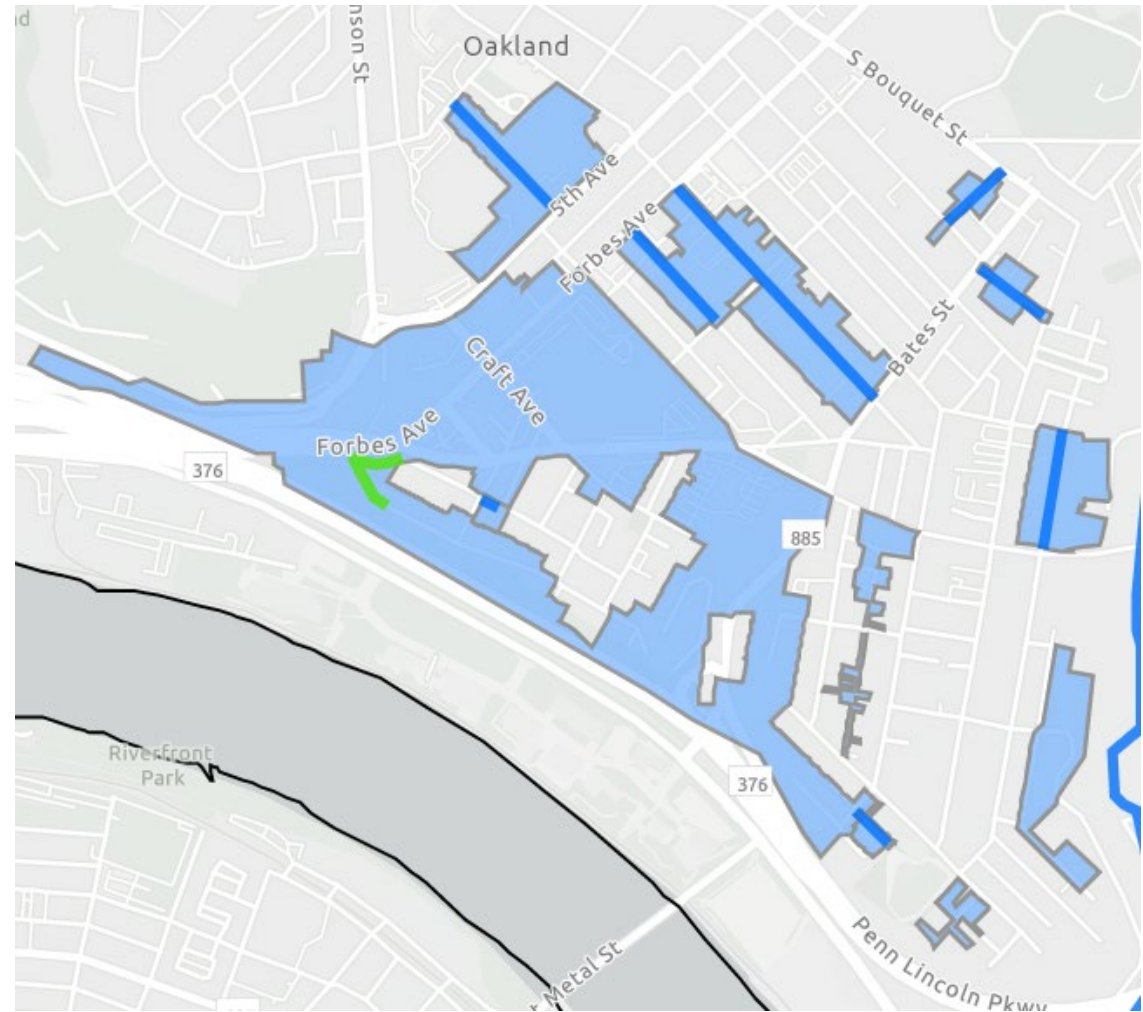
Process Steps

- The PWSA Lead Help Desk will set a **coordination meeting** with the property owner to discuss the replacement methods and schedule a replacement date.
- The Contractor will then go to each property and **inspect the service line material**.
- If either a private and public lead service line is found, Crews will then **replace the lead service line** with a non-lead material. If a private lead service line is found, the property owner or a designated representative must be present on this day.
- The final step of the project is **restoration of streets and sidewalks**. You can expect a delay between the completion of your service line replacement and restoration activities.



Project Timeframe

- Construction start: **mid-June, 2022**
- Construction completion: **August 2022**



Daily Impacts

- **Typical Work Schedule:** Monday-Friday from 7:00 a.m. – 5:00 p.m. Crews may work on Saturdays in efforts to complete work on schedule.
- **Traffic:** Crews will one-block street closures as needed to complete replacements and will implement signage and flaggers as needed.
- Residents are advised to be on lookout for **no-parking signs**, posted 48-hours before no-parking is enforced.



Lead Line Termination Policy

- When PWSA replaces the portion of the service line between the water main and the curb stop, we will offer to replace a private lead service line at no cost.
- Property owners needs to sign agreement allowing work to proceed.
- If a property owner does not return the agreement or declines a replacement, PWSA is required to terminate water service.
- Customer will then be required to replace private lead service line and provide proof to PWSA before water service is restored.

This protocol is a requirement of our regulators, the Pennsylvania Public Utility Commission (PUC).

Lead Line Restoration Policy

- Over 98% of replacements are using less disruptive trenchless methods
- Contractors incentivized to use least disruptive methods;
- Homeowner or their representative must be present during replacement;
- PWSA will backfill, but not restore any private property they disturbed;
- Stairs, retaining walls, decorative landscaping could be disrupted;



Lawn & Ophelia Stormwater Project

We are building green stormwater infrastructure at the Lawn and Ophelia Parklet within South Oakland

Project Background

History: Lawn and Ophelia Parklet is a city-owned park that was going to be decommissioned into a vacant lot

- The City offered the parklet to PWSA to capture and hold stormwater runoff from impervious surfaces like roofs, driveways, sidewalks, and streets
- Department of Public Works (DPW) removed playground equipment in January 2022

Goal: Manage 1.5 inches of rain from 1.86 acres of impervious surfaces that drain to the park to help reduce river pollution and flooding

This project is partially funded through ALCOSAN's GROW Grant Program

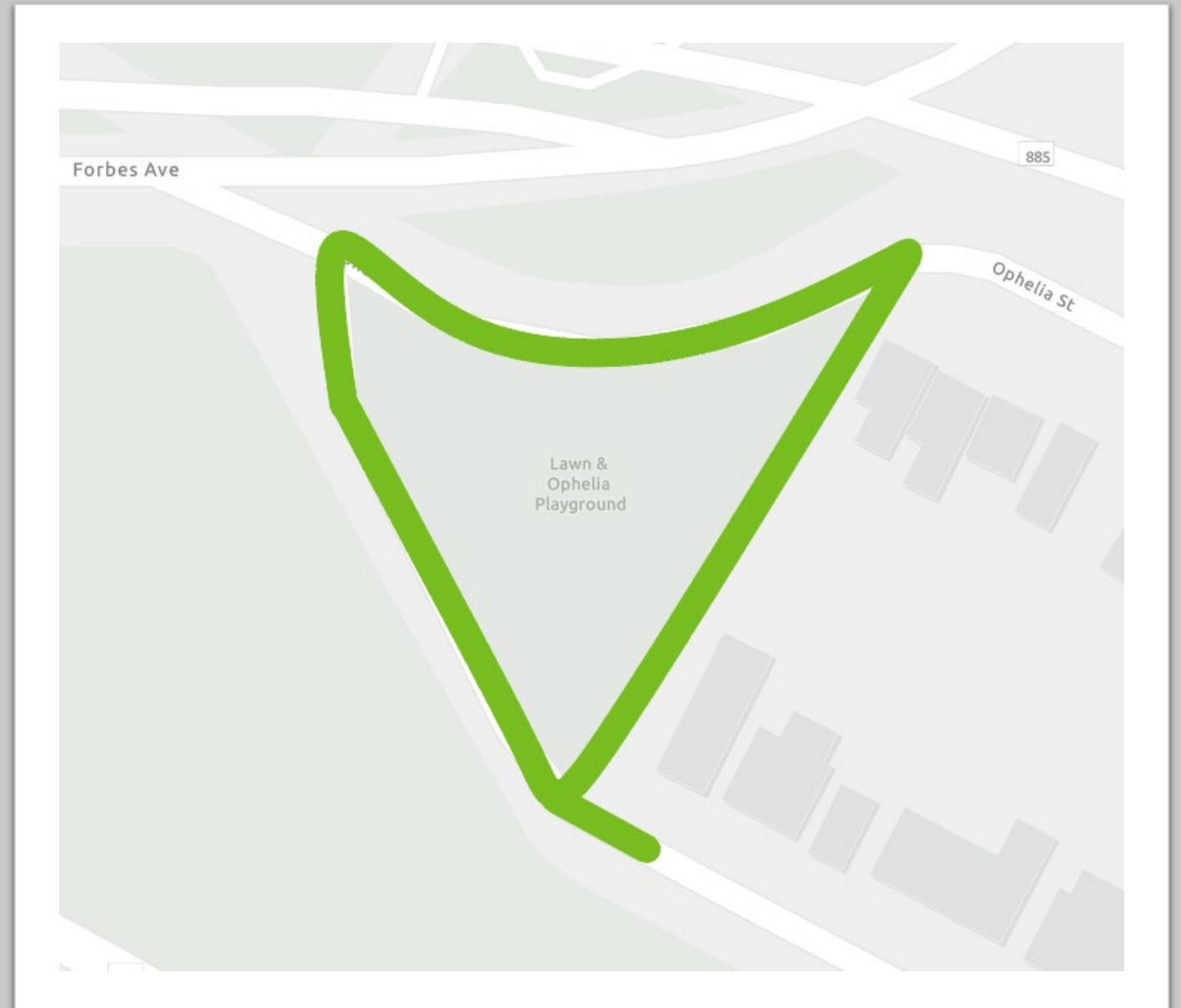
Final Design

- Rain garden within parklet
- Subsurface stormwater detention (storage) beneath rain garden
- Landscaping throughout parklet
- Drainage improvements on Lawn St and Ophelia St rights-of-way
- Components added to final design as requested by the community:
 - Crosswalk at Lawn St and Ophelia St intersection
 - Seating blocks
 - Additional trees planted on west side of Lawn St to muffle traffic noise



Upcoming Construction

- Construction expected mid-June 2022 through fall 2022
 - This schedule may shift due to weather, unforeseen site conditions, or other factors
- Typical work hours are 7 AM - 5 PM, Monday-Friday (Saturdays possible)
- Traffic control plan for Lawn and Ophelia streets next to the park is still being determined
- Construction updates will be posted to the project webpage every ~2 weeks
 - www.pgh2o.com/lawn-and-ophelia





Project Contacts

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pgh2o.com/projects-maintenance/2022-water-main-replacement-program

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Thank you

