



**Pittsburgh
Water & Sewer
Authority**

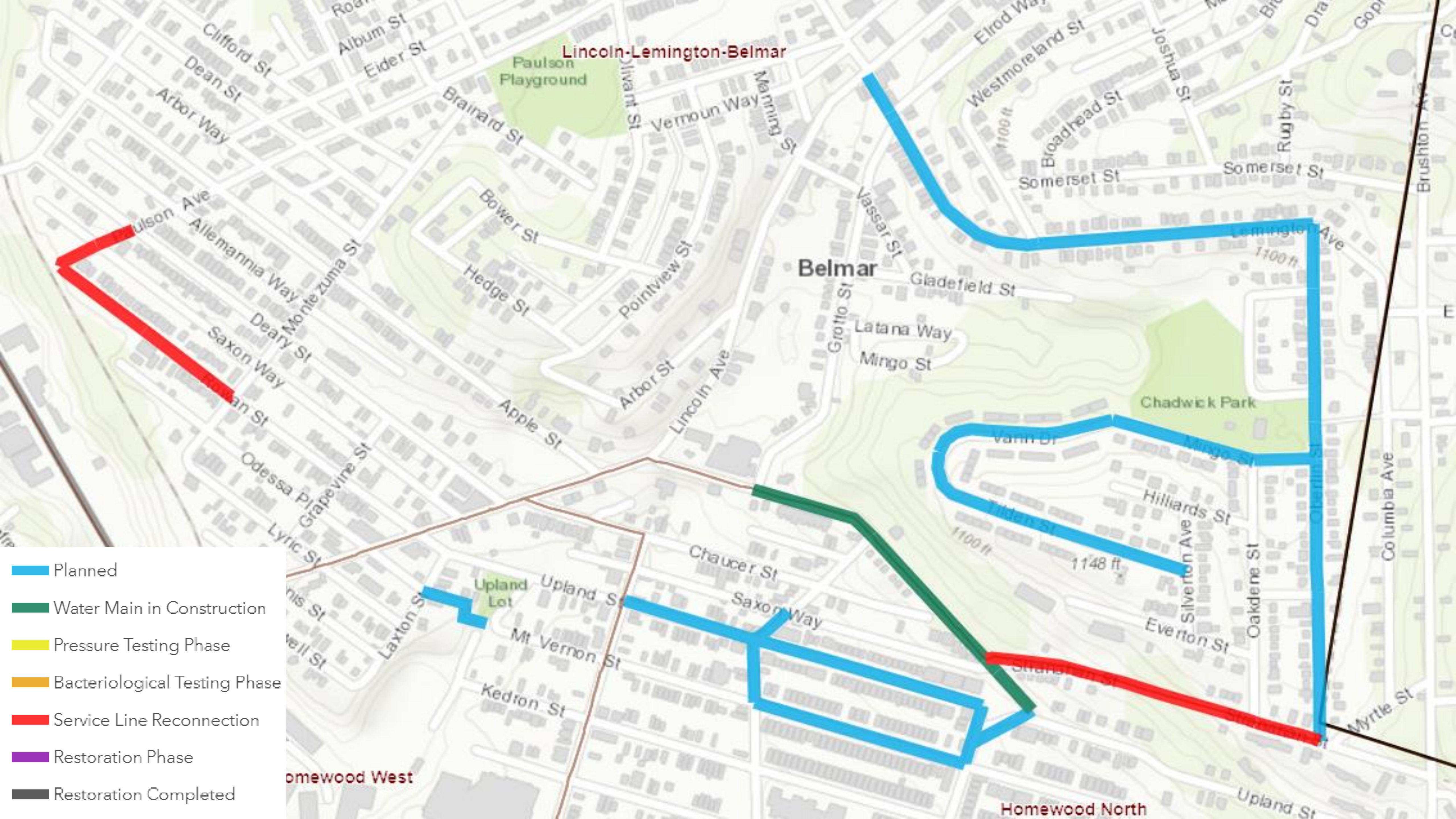
**Lincoln-Lemington-Belmar,
Homewood Water Main Replacement
Project**
July 30, 2020

What is PWSA doing?

- PWSA will install new water mains on select streets throughout Lincoln-Lemington-Belmar and Homewood
- Construction Teams:
 - **Frank J. Zottola Construction**

Why?

- The water mains selected for replacement are older, small diameter, or have shown a high number of breaks throughout the years.
- These water mains are also believed to be connected to a higher concentration of lead service lines than other locations in the City of Pittsburgh.
- Replacing these water mains, and any lead service lines attached to the mains, will upgrade aging infrastructure and improve water quality for customers.



Lincoln-Lemington-Belmar

Belmar

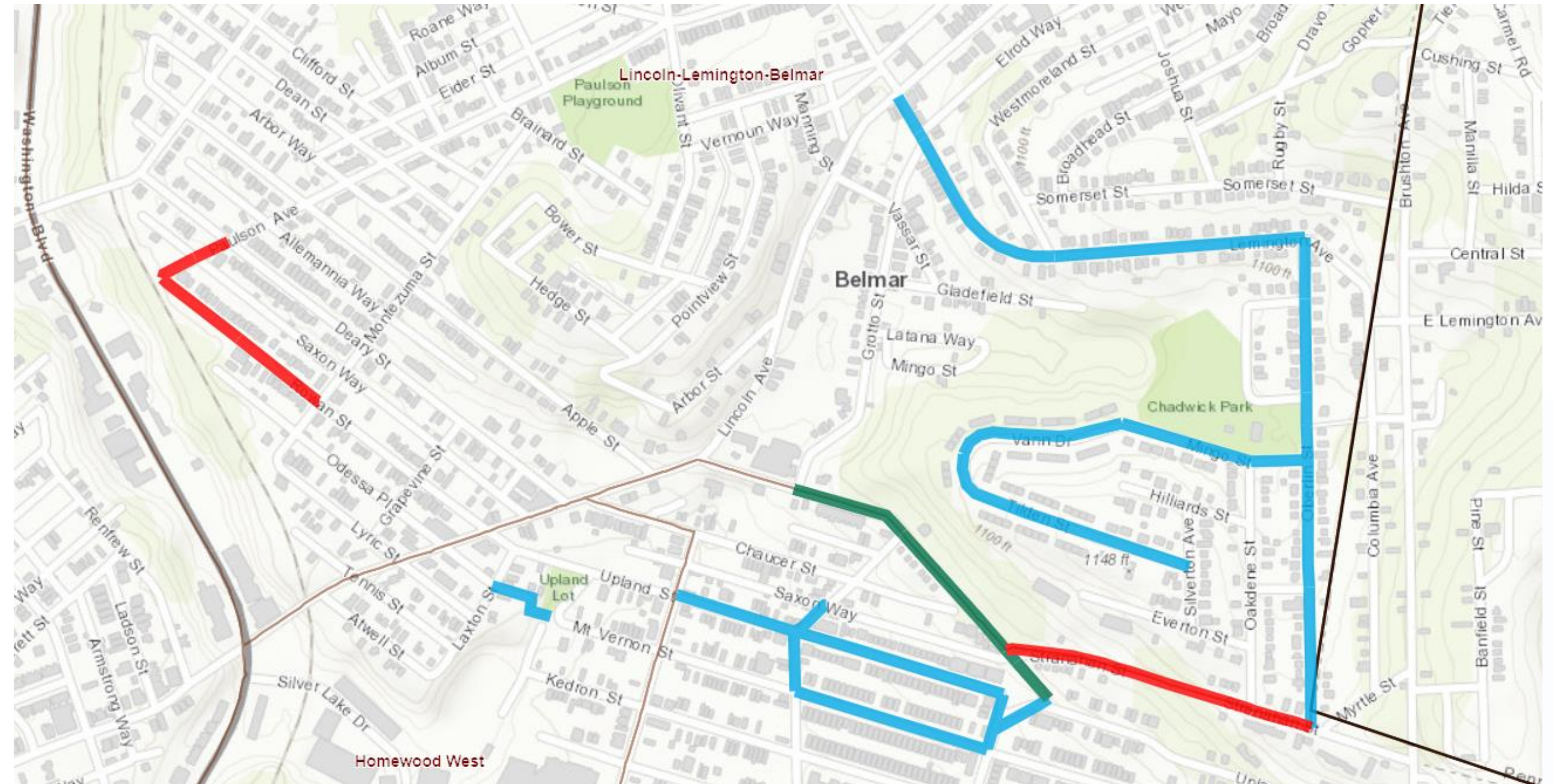
Homewood West

Homewood North

- Planned
- Water Main in Construction
- Pressure Testing Phase
- Bacteriological Testing Phase
- Service Line Reconnection
- Restoration Phase
- Restoration Completed

Project Timeframe

- First locations:
Late June 2020
- Last locations:
Summer 2021



Project Timeframe

Active
Upcoming
Future

Street	Cross Street	Cross Street	Anticipated Start	Anticipated Completion
Paulson Avenue	Deary Street	Rowan Street	Jun 29-2020	Sep 14-2020
Rowan Street	Paulson Avenue	Montezuma Street	Jun 29-2020	Sep 14-2020
Stranahan Street	Apple Street	Oberlin Street	Jun 26-2020	Aug 17-2020
Apple Street	Lincoln Avenue	Upland Street	June 26, 2020	Nov 02-2020
Oberlin Street	Lemington Avenue	Stranahan Street	Sep 22-2020	Jan 18-2021
Lemington Avenue	Oberlin Street	Lincoln Avenue	Nov 04-2020	Apr 09-2021
Mingo Street	Oberlin Street	Vann Road	Jan 15-2021	Jul 08-2021
Vann Road	Mingo Street	Tilden Street	Jan 15-2021	Jul 08-2021
Tilden Street	Vann Road	Silverton Avenue	Jan 15-2021	Jul 08-2021
Upland Street	North Murtland Street	North Homewood Avenue	Mar 18-2021	Aug 31-2020
North Homewood Avenue	Upland Street	Mount Vernon Street		
Upland Street	Apple Street	North Homewood Avenue	Mar 18-2021	Aug 25-2021
Mount Vernon Street	North Homewood Avenue	North Lang Street	May 12-2021	Sep 08-2021
North Lang Street	Mount Vernon Street	Chaucer Street	May 12-2021	Sep 08-2021
Chaucer Street	North Lang Street	End	Jun 30-2021	Jul 15-2021
Odessa Place	Laxton Street	End	Jul 16-2021	Aug 04-2021

Schedule is subject to change

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.

Daily Impacts

- **Typical Work Schedule:**

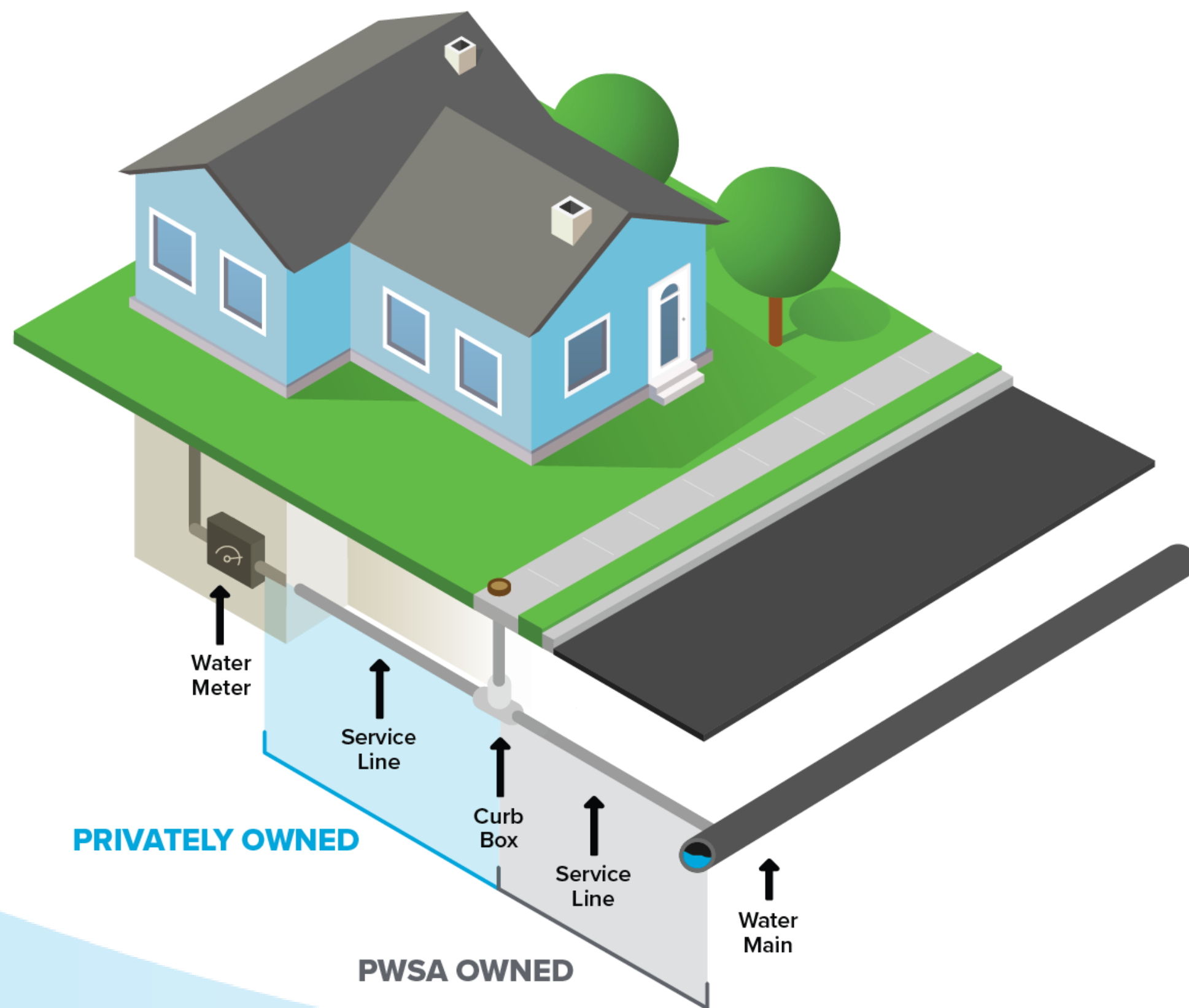
Monday-Friday from 7:00 a.m. – 5:00 p.m. Crews may work on Saturdays in efforts to complete work on schedule.

- **Traffic:**

Streets will be closed during working hours and reopened at the end of the work day.

Lead Service Line Replacements

WATER SYSTEM SCHEMATIC



- > Service line has joint ownership, both PWSA and the customer;
- > Each side of the service line can be different materials, typically lead, galvanized iron, copper or PEX (plastic);

LEAD SERVICE LINE REPLACEMENTS

- Started in 2016;
- Initial program just replaced the public side;
- Post-construction sampling indicated temporary lead increase since the private side lead pipes remained;
- State law changed in late 2017 to allow PWSA to also replace the private side;
- Starting in 2018, PWSA has been doing full service line replacements where homeowners give permission.

PWSA POLICY

- If PWSA replaces the public side of a service line, we will offer to replace the private side at no cost (prevent partial replacements);
- Homeowner needs to sign agreement allowing work to proceed – you have received an agreement package from PWSA;

PRIVATE PROPERTY RESTORATION POLICY

- 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;
- Owners can opt out of replacement due to potential disruption;
- **Over 98% of replacements are using less disruptive trenchless methods**

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<https://www.pgh2o.com/2020-water-main-replacement-project>

Questions?