

Lead Free DC

Small Diameter Water Main and By-Block
Lead Service Line Replacement Presentation

ANC 3F

September 16, 2025





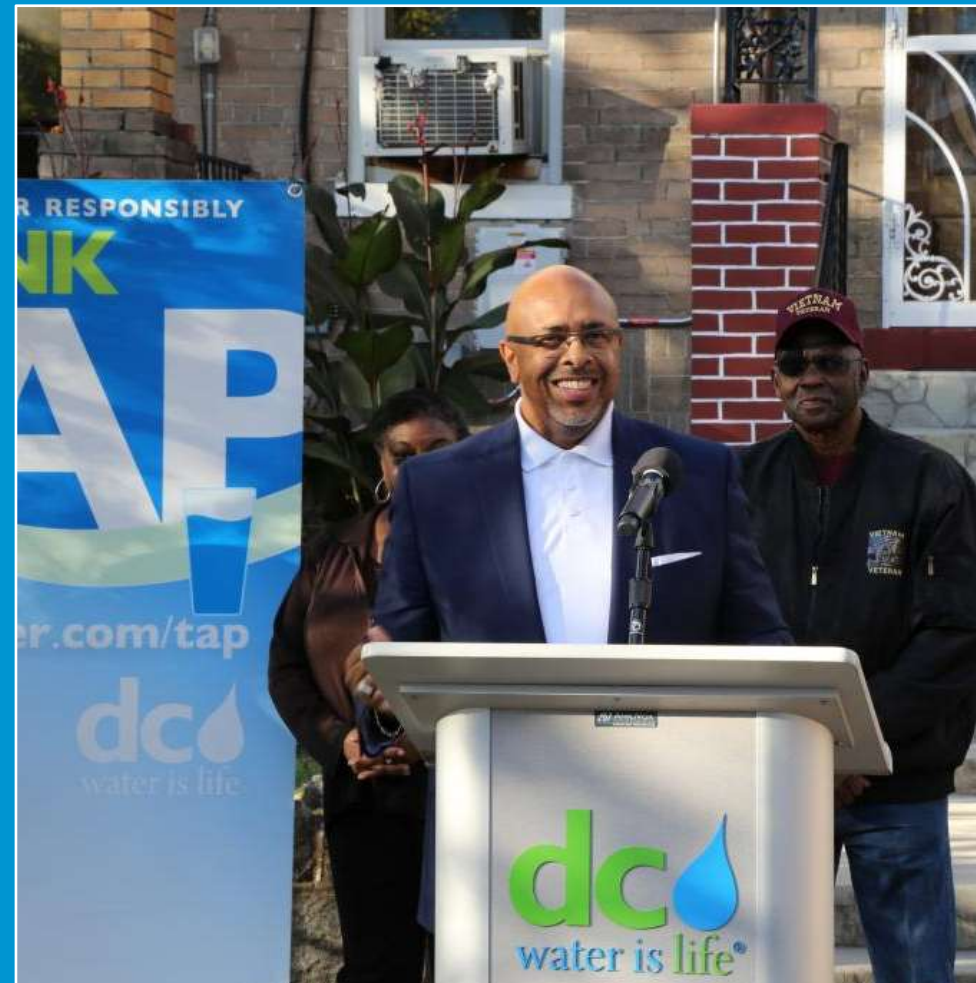
Lead Free DC Program

LFDC Goal:

- Eliminate all lead 42,000 service lines (LSLs) from the District

Every year, with support from the District, DC Water launches new projects on blocks across the city to:

- Replace known lead service lines
- Verify the material of service lines associated with historic records or missing information





Program Milestones

Program Milestones

- 9,856 lead service lines replaced as of September 16, 2025

Expanding the Lead Free DC Outreach team

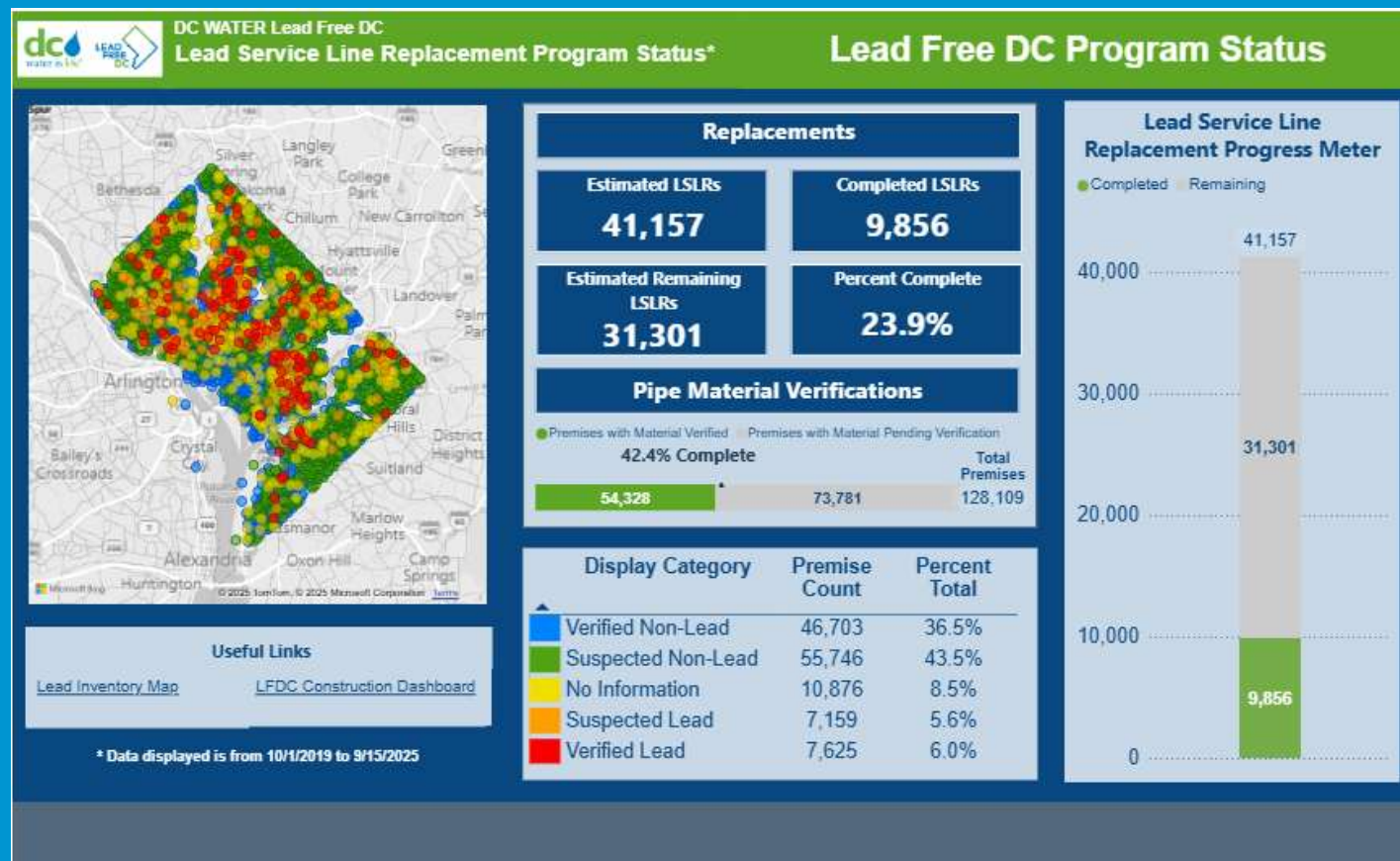
- DC Water Community Activators Program is a workforce development training program supporting LFDC Program Outreach.
- Cohort I - 14 paid trainees completed program and received full time jobs.
- Cohort II -10 paid trainees completed program and received full time jobs.



Program Status Dashboard

Program Status Dashboard demonstrates progress toward 42,000 LSL replacements

- Replacements to date
- Replacements remaining
- Material verification



Dashboard reflects data as of September 16, 2025



Health Effects of Lead in Drinking Water

- Lead is a powerful neurotoxin, which means exposure to lead can damage the brain
- There is no safe level of lead
- Lead can also injure other soft tissues and organs, can interfere with the formation of blood, and exposure to enough lead can even kill
- Both children and adults are vulnerable to lead's health effects

**CLEAN WATER ACTION
CLEAN WATER FUND**

Health Impacts of Lead

ADULTS

- Brain**
Memory loss, lack of concentration, headaches, irritability, depression.
- Body**
Fatigue, joint and muscle pain
- Cardiovascular**
High blood pressure
- Digestive System**
Constipation, nausea and poor appetite
- Kidneys**
Abnormal function and damage
- Nervous System**
Damage including numbness and pain in the extremities
- Reproductive System**
Men: Decreased sex drive and sperm count, and sperm anomalies.
Women: Spontaneous miscarriage

CHILDREN

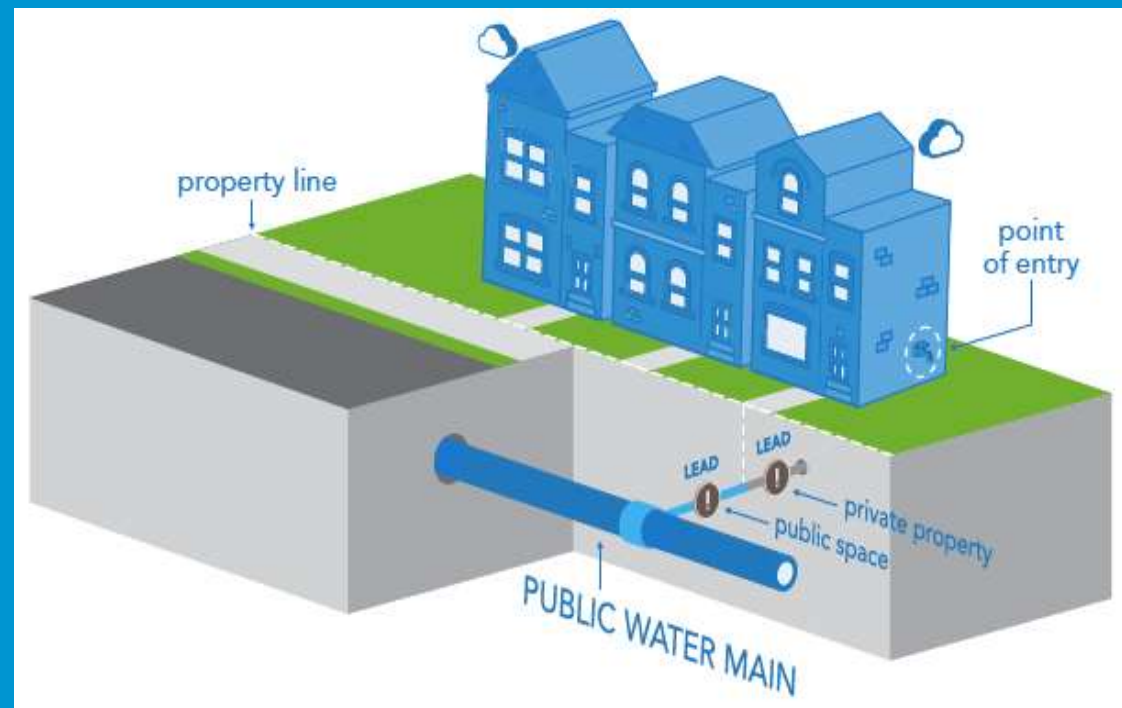
Exposure to high levels of lead can cause severe damage to the brain, blood and kidneys. Children under six are most at risk from lead poisoning. Even low levels of lead exposure have been found to permanently reduce cognitive ability and cause hyperactivity in children.

- Brain**
Behavior problems, lower IQ, hearing loss, learning disabilities
- Body**
Decreased bone and muscle growth
- Blood**
Anemia
- Kidneys**
Abnormal function and damage
- Nervous System**
Damage



Understanding Service Lines (or Pipes)

- Homeowner owns the entire service line
- DC Water is responsible for maintaining the portion of the service line in public space
- Ratepayer funds pay for public-side service line replacement and water main work
- Homeowners must complete a Right of Entry Authorization to provide consent for DC Water to replace their service line
- Separate (non-ratepayer) funds are needed to pay for private-side service line replacement per D.C. Law 22-241.





Lead and Galvanized Iron Pipes

Lead Pipe

- Typical white oxidation
- Side wall thickness approximately $\frac{1}{4}$ thick
- Round bulbous cast in place joints



Galvanized Iron Pipe

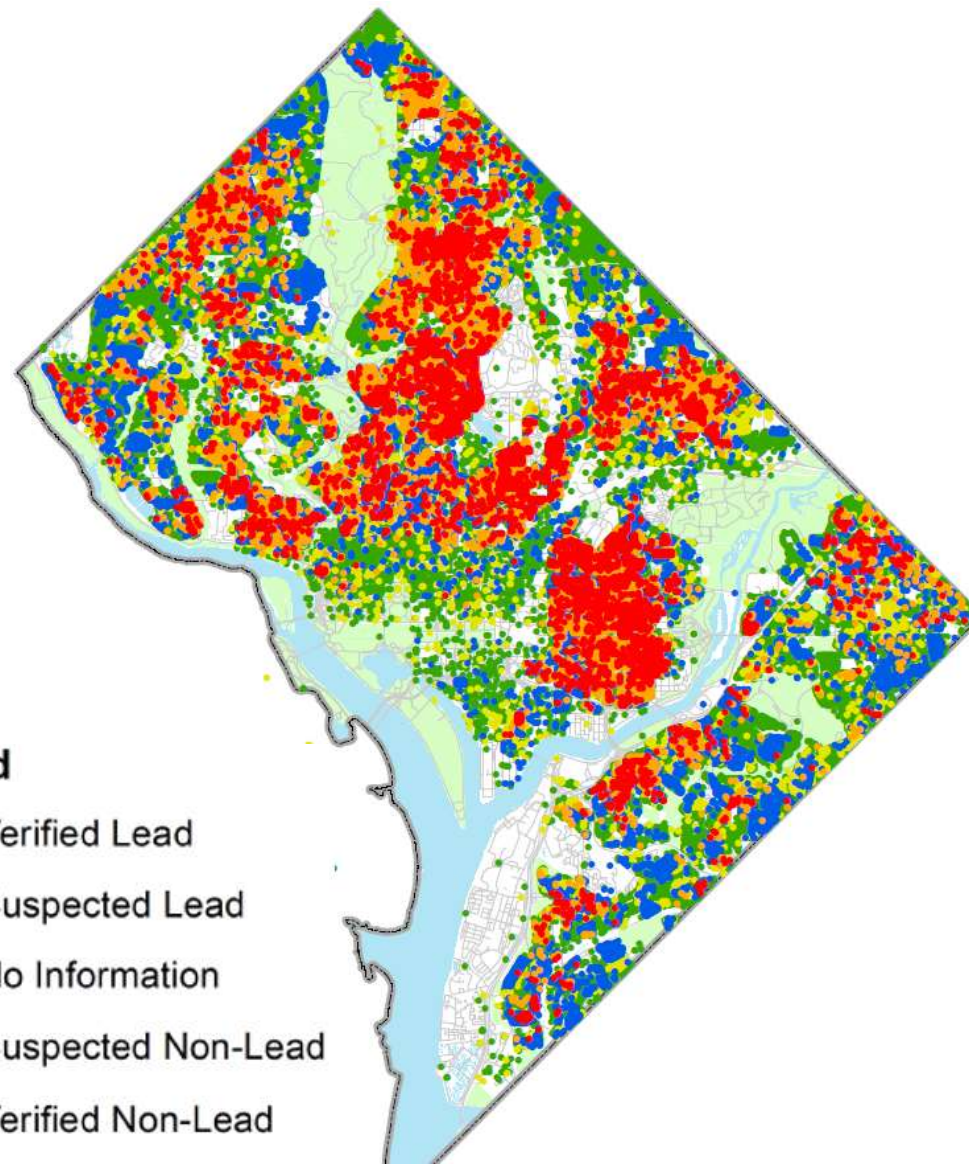
- Risk of lead in water from corroded pipes
- Galvanized iron pipe can accumulate lead that is released from lead service lines





Inventory Map

- The inventory map helps homeowner's identify what DC Water's records say about service line materials
- If the pipe materials are recorded as verified lead, suspected lead, suspected non lead or no information, it will be confirmed in field
- Updated inventory map:
- <https://geo.dcwater.com/Lead>



Legend

- Verified Lead
- Suspected Lead
- No Information
- Suspected Non-Lead
- Verified Non-Lead



Construction Dashboard

- Construction Dashboard provides information about pipe materials and the program schedule
- Customers can find out when the free replacement program is scheduled for their area
- Construction dashboard:
 - <https://www.dwater.com/lead-free-dc-construction-dashboard>



DC WATER Lead Free DC Lead Service Replacements (LSR) Construction Dashboard

You must first select an address to see the results

Block Construction Status

- LSR Project Completed on Block
- LSR Project in Progress on Block
- LSR Project Pending on Block
- Contact DCW for Lead-Removal Options
- No Lead Services Present on Block

Contractor Info:

Contractor	Construction Start Date	Construction End Date	Contractor E-mail	Contractor Phone

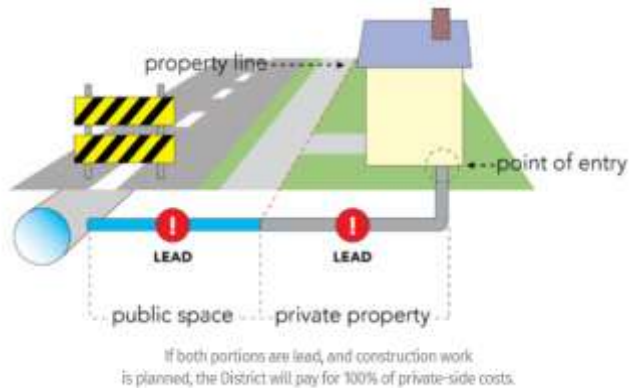
Disclaimer
Construction Dashboard displays the LFDC Construction Status for the entire block. Individual construction status for premises may vary. Construction Dashboard only displays premises eligible for the Lead Free DC Program. For additional information call 202-787-4044 or email lead@dcwater.com.

Prepared by LFG Version Number 1.0 Program Information as of 6/29/2023 4:15:47 PM



Lead Service Line Replacement Programs

Capital Improvement Project and Emergency Repair Replacement (CIPERR)



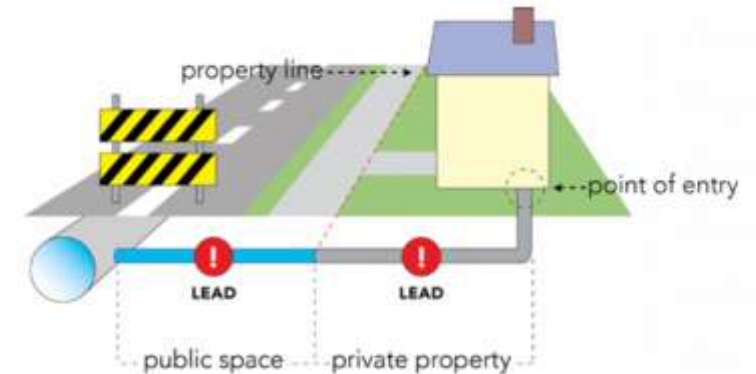
- Free replacements during Capital Improvement Projects for Water main replacements
- Dedicated lead service line contracts
- Free replacements during emergency projects

Lead Pipe Replacement Assistance Program (LPRAP)



- Only the portion of the water service line on private property is lead (the public portion is non-lead).
- The District of Columbia will pay for discounted replacements. Each Homeowner can receive a 100% discount, regardless of income or household size.

Voluntary Full Replacement Program (VFRP)



- Both the public and private portions of the water service line are lead and NO capital improvement projects are planned for the neighborhood
- DC Water will pay for all work in public space and coordinate work so both portions are replaced at the same time.
- The Homeowner pays for work on private property.



.....● **Small Diameter Water Main Replacement**



Small Diameter Water Main Overview

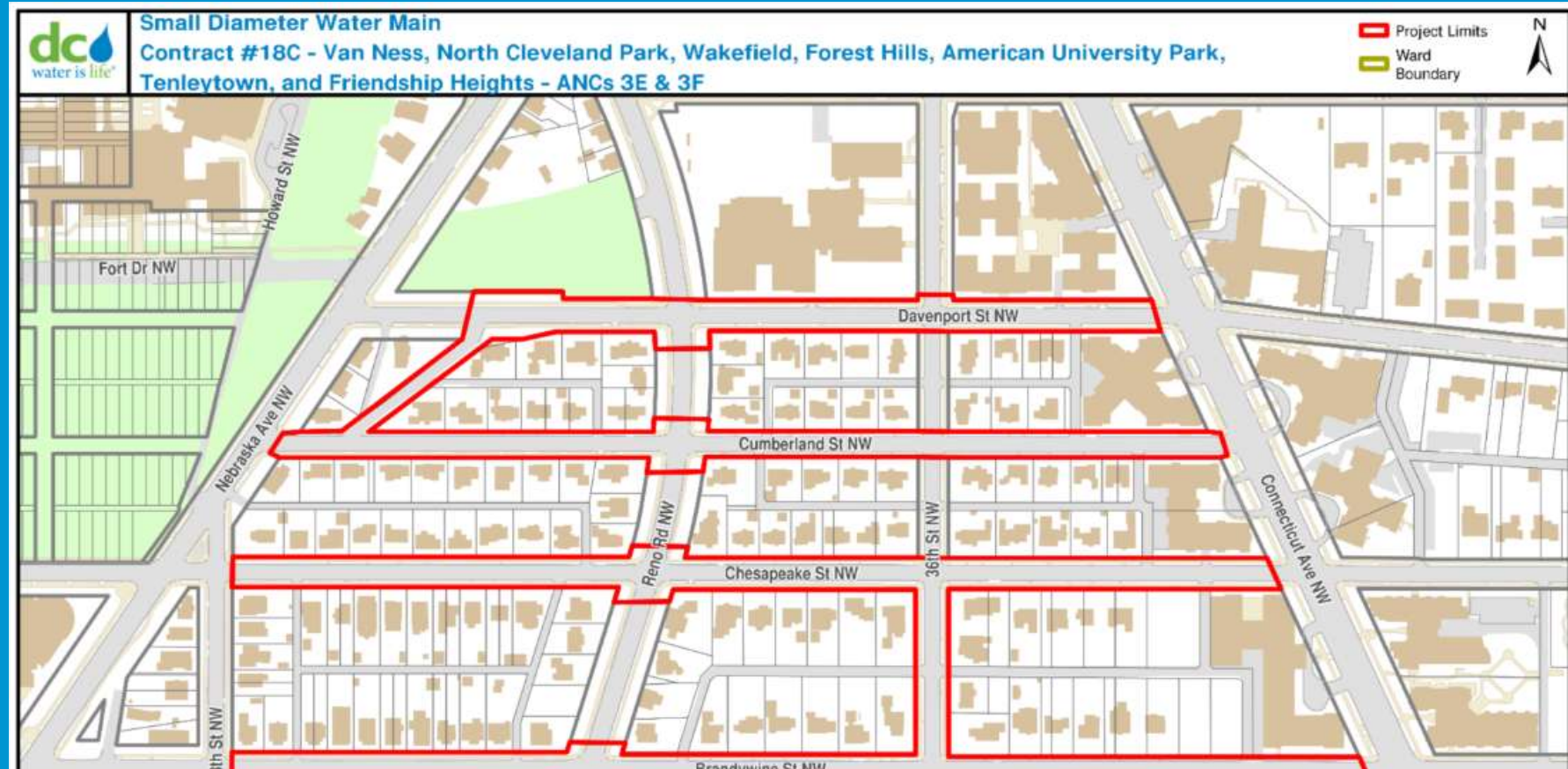
Small Diameter Water Main Replacement (SDWMR) Overview

- Upgrading existing 12-inch and smaller cast iron water mains to improve water quality and reliability
- Replacement of fire hydrants and valves
- During the upgrade process, contractors will inspect water service lines
- **FREE Lead Pipe Replacement**
- If lead pipes are found on private property, they can be replaced with new copper lines at no cost to the homeowners by the SDWMR Contractor if you sign up to participate in the program



SDWMR Projects in ANC 3F

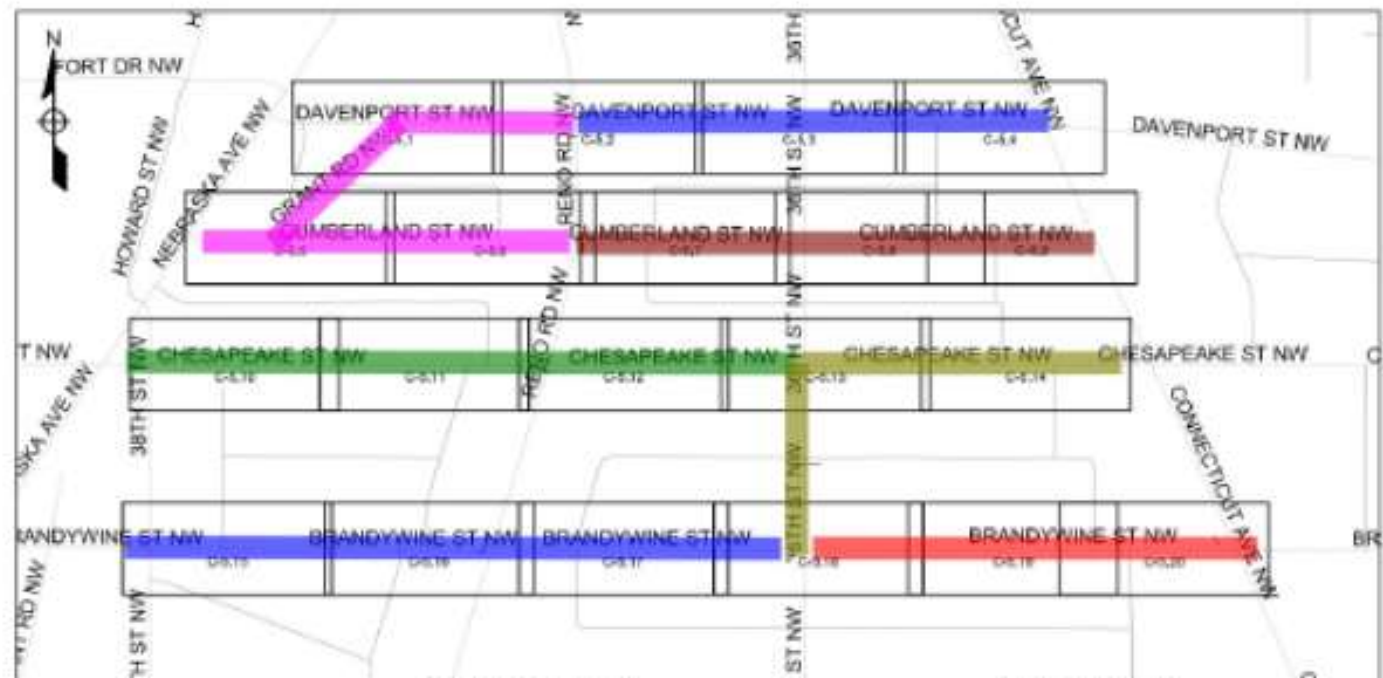
- Scope:**
 1.6 miles of existing 4" to 12" water mains will be upgraded to Ductile Iron Pipes. The work will also include installation of new valves, fire hydrants, and other related appurtenances.





SDWMR Projects in ANC 3F

- **Timeline:**
Construction is scheduled to begin in November 2025 and will proceed through mid-2027, divided into seven phases of approximately 1,200 feet each.
- **Construction starts at phase 4.1 Davenport St NW**

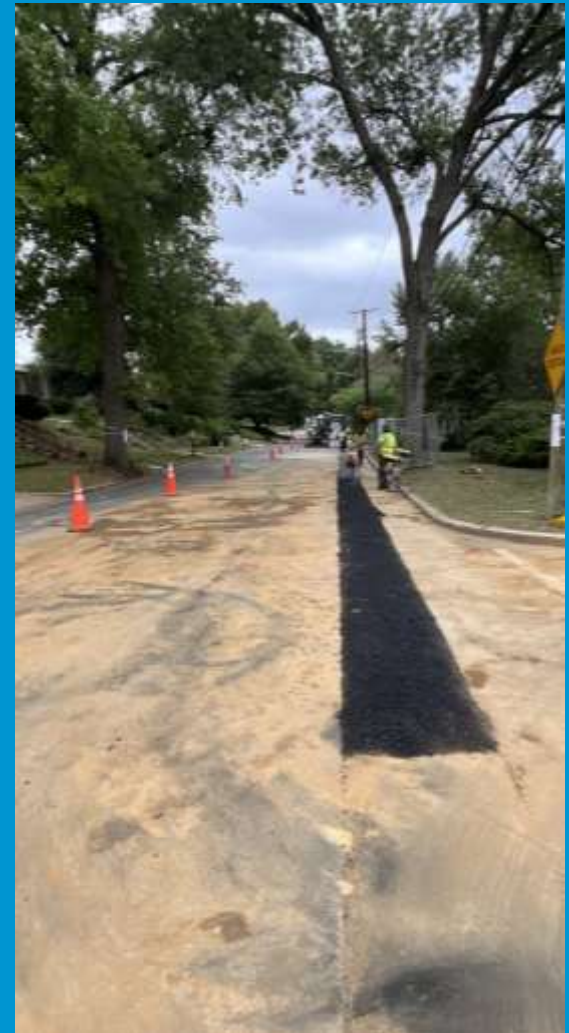


PHASE 4.1
PHASE 4.2
PHASE 4.3
PHASE 4.4



Construction Impacts

- NO PARKING signs posted in areas
- Planned water outages with advanced notification
 - Neighborhood water system testing
 - 6-8 hours to connect neighborhood to new water main
 - 2-8 hour home water outage for lead replacement or service line reconnection (up to 2 outages)
 - 6-8 hours to remove the old water main from service following reconnection of services
- Construction during permitted daytime hours or approved night hours
- Temporary restoration of street & driveway after replacement
- Permanent sidewalk, driveway, and street repair after entire neighborhood/block completed





.....● **By-Block replacements**



By-Block Service Line Replacements

FREE Lead Pipe Replacement

- Blocks chosen based on a prioritization model
- Lead or galvanized pipes will be replaced with new copper lines
- District funding covers all private-side replacement costs - this is FREE for homeowners
- Restoration in-kind for most cases (e.g. tree protection, sod, hardscape repair, simple drywall)
- Homeowner (or designee) must be home and give access to home
- Homeowner must sign and submit Authorization Form for DCW to provide free replacement





ANC 3F By-Block Status

LFDC By-Block Program

- 23 Blocks Selected in ANC 3F
 - 247 Premises
 - 44.5% ROE authorizations signed
 - Anticipated Construction Period
 - November 2025 – November 2027
- DC Water must have resident's permission to replace the service line on their property





ANC 3F Blocks

- 3000 BL ELLICOTT ST NW
- 4000 BL CONNECTICUT AVE NW
- 3400 BL GARRISON ST NW
- 4600 BL 30TH ST NW
- 3600 BL EVERETT ST NW
- 4500 BL 30TH ST NW
- 4200 BL 37TH ST NW
- 5300 BL BROAD BRANCH RD NW
- 4200 BL 37TH ST NW
- 4800 BL LINNEAN AVE NW
- 4300 BL 37TH ST NW
- 5100 BL CHEVY CHASE PKWY NW
- 3300 BL MILITARY RD NW
- 5200 BL CHEVY CHASE PKWY NW
- 4900 BL 30TH PL NW
- 5100 BL NEBRASKA AVE NW
- 5300 BL CHEVY CHASE PKWY NW
- 3600 BL UPTON ST NW
- 3600 BL WARREN ST NW
- 3600 BL WARREN ST NW
- 3600 BL VEAZEY ST NW
- 3200 BL FESSENDEN ST NW
- 3500 BL VAN NESS ST NW



Lead Free DC Needs Your Help



Questions or need assistance? Contact:
(202) 787-4044 or lead@dcwater.com

David L. Gadis, Chief Executive Officer

DISTRICT OF COLUMBIA WATER AND SEWER AUTHORITY | 1385 CANAL STREET, SE | WASHINGTON, DC 20003

RIGHT OF ENTRY AUTHORIZATION TO REPLACE WATER PIPE ON MY PROPERTY FOR FREE

Please complete all required fields or the Authorization Form will not be accepted.

Lead in water from lead or lead containing water pipes can be harmful to you and your family and/or residents. DC Water wants to replace lead water pipes because it is a step in lowering your and your family's and/or resident(s) risks of lead exposure, but we need your consent. This Right of Entry Authorization means you agree to allow DC Water and our Contractor to enter your private property to replace your lead water pipes with new copper water pipes for **Free, at No Cost to you**. This Authorization also means you agree to tell DC Water about any **hidden hazards** you know about on your private property that could prevent them from doing the work or harm the people replacing your pipes. **Please Note:** We also recommend you work with a licensed plumber to identify any other sources of lead pipes inside your building and consider removing them as well.

This is what DC Water's Contractor will do (See attached diagram):

1. Turn off the water service to your building for about eight (8) hours;
2. Dig down near the District water main, meter, and at property line and remove/abandon your lead water pipe from the water main in the street, through your building wall or floor, to the pipe connection in your building;
3. Install a new **copper water pipe** from the District water main in street to your building, through the wall where the pipe comes in and connected to the water pipe in your building; and
4. Turn on water, fill holes made, restore area, and flush water from the outside hose connection, if possible.

This is what you should expect:

1. **Contractor will replace the lead water pipe with a copper water pipe at your private property at No Cost to you.** The workers will enter your private property and your building to do the replacement. They will first dig a hole to confirm the material of the water pipe near the property line. Once confirmed, they will follow the steps above, likely on a separate day. They will take photos and video before, during, and after installation.
2. **Contractor will try to leave your private property as close to how it was found or better.** Contractor may need to remove drywall, tiles, walls, fences, shrubs, sidewalks, driveways, stones, sod, flowers, plants or other permanent things on your property. Contractor will clean the interior work areas and do temporary and permanent restoration, that may include, if impacted: installing access panel(s); repairing sheet rock, drywall; spackling; prime and finish painting to match the original color; and resetting and replacing existing tile and cabinetry. The Contractor will clean the exterior work areas and do temporary and permanent restoration, that may include, if impacted: replacing brick, concrete, granite or asphalt curbs, sidewalk, pavement, driveway and retaining wall areas and overlay; and seeding, sodding, and plant replacement. The permanent restoration work will be scheduled at a different time. Contractor will try to avoid trees, shrubs, living plant(s) when possible, but are not responsible for any harm to grass, plants, etc. during the replacement process. DC Water and the Contractors cannot and will not help you move items on your property.
3. **DC Water may not perform this work if:** (1) there are **hidden hazards** that prevent the workers from replacing the pipe; (2) someone else owns the property and the owner **does not agree** to sign this Authorization; (3) You or an authorized person **do not allow** the Contractor to enter your property on the scheduled date; or (4) You or an authorized person are **not home** at the scheduled date and time and fail to reschedule the work.
4. **DC Water will provide a water pitcher that lasts 6 months to you or residents of your property to use after the replacement and instructions for you to follow for flushing your faucets to remove any lead particles.**

dcwater.com

DC Water must have a resident's permission to replace the service line on their private property. **Here's how you can help:**

- Encourage your neighbors to sign and return Right of Entry Authorization.
- Look out for our door-to-door canvassers, who can talk to homeowners about Lead Free DC.
- Encourage residents in your community to visit dcwater.com/lead for more information
- Spread the word! This is a citywide effort.





Call to Action

What We Need	How You Can Help
Introduce Us to Your Neighbors	Host a chat with the Lead Free DC team for your block or a smaller group
Action in Motion	Schedule time with us to walk your neighborhood. Lead Free DC program introduction to those less connected
"Neighbor Spotlight"	Give a testimonial about your replacement experience
Host a "Knowledge is Power" session	Spend time with neighbors answering frequently asked questions about Lead Free DC
"Videos Say It All"	Host a session for Lead Free DC to highlight informational videos and demos on the lead service line replacement and restoration process



Ways to Engage Lead Free DC

FOR MORE INFORMATION, PLEASE CONTACT:

- Project Construction Manager:
 - Shah Shirzay (202) 674-7102 or sshirzay@dcwater.com
- Lead Free DC Hotline:
 - (202) 787-4044 or lead@dcwater.com
- Other DC Water Resources:
 - DC Water's Water Quality and Technology Division: (202) 612-3440
 - DC Water's 24-hr Emergency/Command Center: (202) 612-3400
 - DC Water's Office of Marketing and Communications: (202) 787-2200



Ways to Engage Lead Free DC

1. Reach out to lead@dcwater.com, call our lead hotline **(202) 787-4044**, or check dcwater.com/leadmap to determine if you have a lead pipe and how to replace it
2. Request presentations for your ANC, organization or community by reaching out to Sean Moore sean.moore@dcwater.com, 202-787-4049



Program Resources

dcwater.com/lead

Inventory Map:

dcwater.com/leadmap

Construction Dashboard:

dcwater.com/construction-dashboard

Service Line Materials Data Dashboard:

dcwater.com/service-line-materials-dashboard

Historical Replacement Data (2012-2024):

dcwater.com/historical-lslr-replacement-data

Health effects of lead in drinking water:

dcwater.com/health-effects-exposure-lead-drinking-water

Information about testing your water for lead:

- Request form: leadtesting.dewater.com/
- Email for questions: leadtest@dcwater.com

Program FAQs:

dcwater.com/LeadFAQs



Q&A