

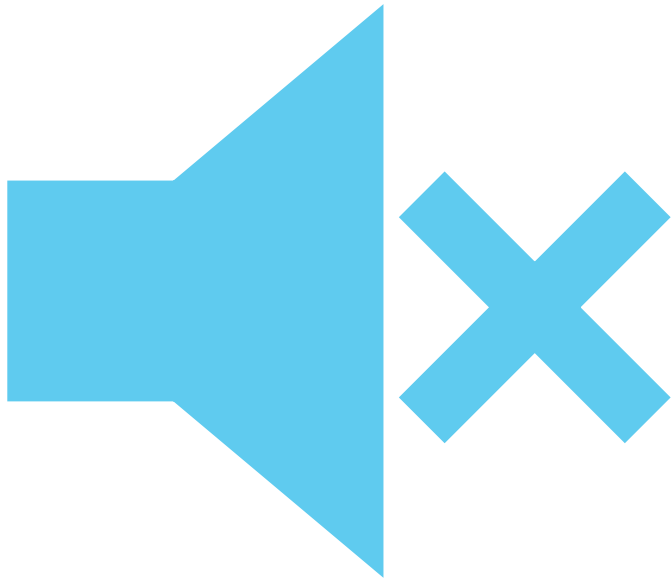


Lead Service Line Replacement Round Table

October 13, 2022



Before We Begin!



- Please mute yourself
- Do not click the “Take Control” button during the meeting
- If you have any questions, please hold them until the Q&A period, at which point you can:
 - Type your question in the chat
 - Raise your virtual hand
- If you are speaking, introduce yourself and what system/organization you are from

Agenda

**Borough of Alpha-Mayor
Craig Dunwell**

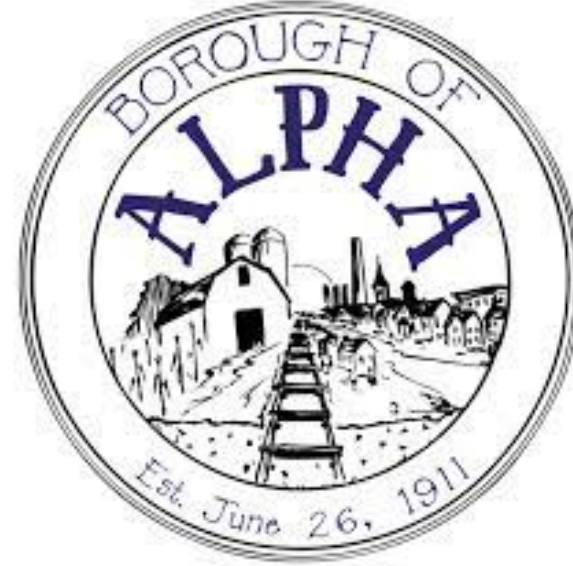
**Passaic Valley Water
Commission- Mark Romain**

**Hackettstown MUA-Christian
Beckman, Kathy Corcoran,
and Gene DeStefano**

**Newark Water Department-
Kareem Adeem**

**Question and Answer
Session**





Borough of Alpha

Mayor Craig Dunwell



BOROUGH OF ALPHA

WARREN COUNTY

Lead Service Line Replacement Round Table

October 13, 2022

System Overview

- Great Depression WPA Project – Went Live in 1939
- 3 Wells, 2 Standpipes, 15 miles of mains, 900 Services
- Weak Acid Cation Softening Water Treatment Plant
- No Lead Services, No Lead Whips
- 0.432 MGD Firm Capacity
- 137 MGY Allocation
- No Interconnections

BOROUGH OF ALPHA
WATER UTILITY

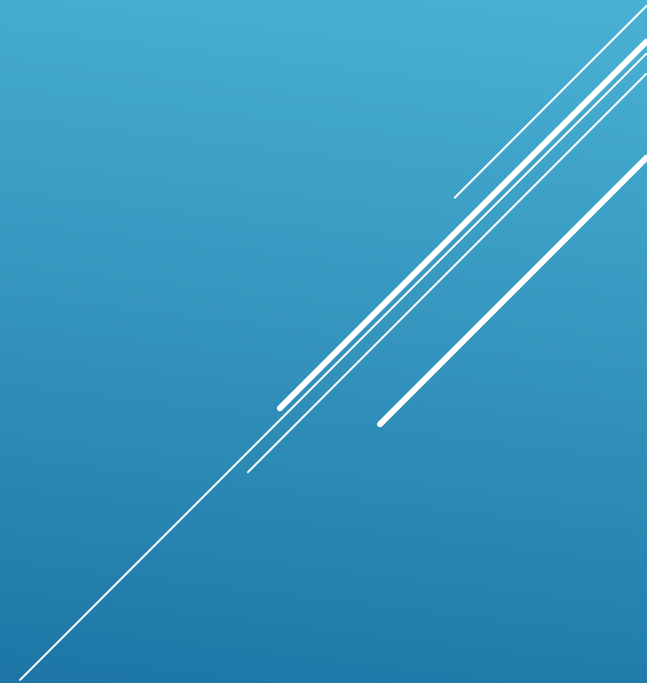


- ▶ 2010 Diversion: **143 MG**
- ▶ 2010 Allocation: **137 MG**
- ▶ 2010 Billed Gallons: **60 MG**

BOROUGH OF ALPHA
WATER UTILITY

- ▶ Bias Towards Action
- ▶ Who's Your Super(wo)man?
- ▶ Think Strategically
- ▶ Show Me The Money!

BOROUGH OF ALPHA
WATER UTILITY



- ▶ Legislative Changes to Facilitate Service Line Replacement
- ▶ Leverage the Public Bidding Process
- ▶ Offer Financing for Customer Side Service Replacement

BOROUGH OF ALPHA
WATER UTILITY

A decorative graphic consisting of several parallel white lines of varying lengths, slanted diagonally from the bottom right towards the top right, set against the blue background.

ORDINANCE CHANGE

▶ **Replacement by Borough.**

- ▶ (1) Additionally, the Borough shall have the right to replace a consumer's service line from the curb stop as defined in § 403-3B to the water meter, or any portion thereof, and bill him/her according to the fee schedule set forth in § 403-21B, under any of the following circumstances:[Amended 7-11-2017 by Ord. No. 2017-06]
- ▶ (a) The service pipe is constructed of a material not listed in § 403-23.
- ▶ (b) The service pipe is declared unreliable by the Director due to prior adverse experience.
- ▶ (c) The curb stop as defined in § 403-3B is deemed unserviceable due to its location.
- ▶ (d) The service pipe, due to its age and material of construction, fails during system maintenance.
- ▶ (2) The consumer shall have up to three years from the time of completion to repay the Borough in full in equal quarterly installments if the Borough replaces the water service line on the consumer's side of the curb stop. Should the consumer transfer the property or any interest therein or have any ownership interest altered, the entire outstanding balance is payable at the time of closing of title or change in interest.

**BOROUGH OF ALPHA
WATER UTILITY**

ORDINANCE CHANGE (con't)

- ▶ In all cases, except in Subsection B(1)(d) above, the consumer will be provided with at least seven calendar days' advanced notice to choose a qualified professional and replace his/her service line himself or herself. It shall be incumbent upon the consumer to notify the Borough within the seven-calendar-day period of his/her selection of a qualified professional to replace his/her service line himself or herself. If notice is not timely made, the Borough may proceed as referenced above. Additionally, if the consumer gives the Borough notice of intent that he/she will have a qualified professional replace his/her service line, said replacement must be made within 90 days. Otherwise, the Borough may proceed as referenced above. The Borough shall offer a payment plan of up to three years from the time of completion, should the Borough replace the water service line on the consumer's side of the curb stop.

BOROUGH OF ALPHA
WATER UTILITY

Leverage the Public Bidding Process

- ▶ “Customer Side Water Service, Complete, 0-30 Feet”
- ▶ “Customer Side Water Service, Complete, 31-80 feet”
- ▶ “Customer Side Water Service, per foot over 80 feet”
- ▶ All Inside Work Performed by Licensed Plumber
- ▶ Includes all Concrete, Asphalt, Topsoil, Seed Restoration, etc
- ▶ Waive Permit Fees
- ▶ Borough Handles all Contractor Interactions
- ▶ Don't Forget Road Reconstruction Projects!!!

BOROUGH OF ALPHA
WATER UTILITY



Why Offer Financing?

- ▶ Reduce Non-Revenue Water
- ▶ Reduce Sinkhole Formation and Property Damage
- ▶ Reduce Emergency DPW Callouts
- ▶ Ultralow Interest Rates

BOROUGH OF ALPHA
WATER UTILITY

A decorative graphic consisting of several parallel white lines of varying lengths, slanted diagonally from the bottom right towards the top right, set against a blue gradient background.

How Do We Identify/Exclude Galvanized Water Services?

- ▶ Water Meter Installs
- ▶ Municipal Side Service Line Replacement
- ▶ Sanborn Maps
- ▶ Aerial Photography
- ▶ Title Searches
- ▶ Test Pits

BOROUGH OF ALPHA
WATER UTILITY

A decorative graphic consisting of several parallel white lines of varying lengths and orientations, located in the bottom right corner of the slide.

▶ WHAT COMES AFTER THE F.U. LETTER?

BOROUGH OF ALPHA
WATER UTILITY



2009-2021 Distribution System Improvements

- ▶ 18,000' New DIP Mains (6" & 8")
- ▶ 60 Hydrants (40 Replacement, 20 New)
- ▶ 158 Valves (6" & 8")
- ▶ 249 Borough Side Services
- ▶ 103 Customer Side Services
- ▶ 87 Saddles

BOROUGH OF ALPHA
WATER UTILITY

A decorative graphic consisting of several parallel white lines of varying lengths, slanted diagonally from the bottom right towards the top right, set against a blue background.



Passaic Valley Water Commission

Passaic Valley Water Commission

Mark Romain, Licensed Operator



★ Designed by TownMapsUSA.com

Hackettstown MUA

Kathleen Corcoran, Hackettstown MUA

Christian Beckman and Gene DeStefano, Mott MacDonald



Lead Service Line Replacement

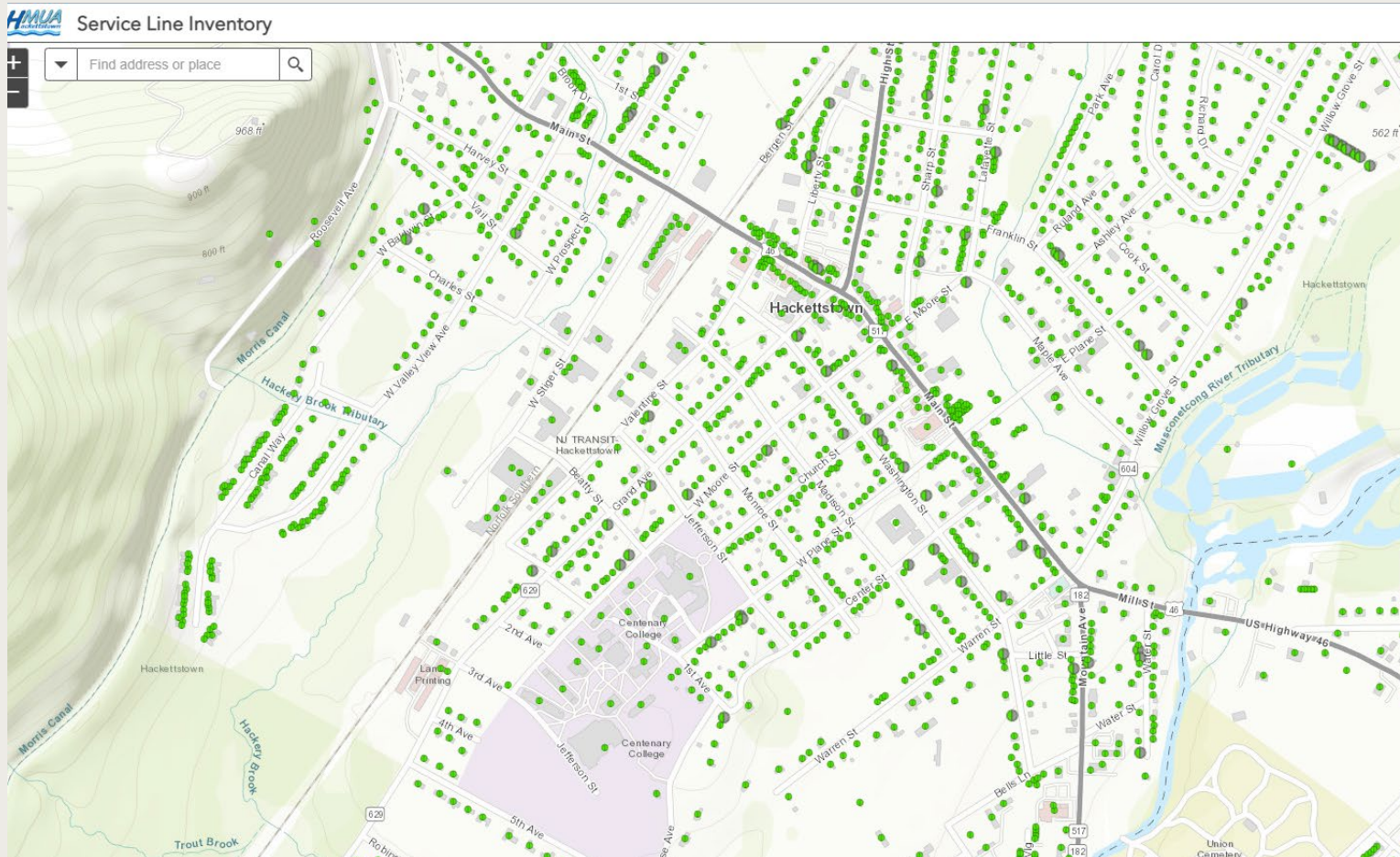
NJDEP - October 13, 2022 Roundtable

Agenda

- Water System Overview & Project Need
- Inventory Development and Site Inspections
 - Lessons Learned
 - Use of Survey123 App
- Funding Approach with I-Bank
- Initial Construction Phase Challenges



Water System Overview & Project Need



- HMUA serves 22,000 population, ~6,700 Services
- 2.2 MGD supplied
- History of Compliance with LCR
- HMUA proactive with inventory and GIS data mgt.
- No known lead pipes remain
- ~ 67 Galvanized Service line locations, which are classified as Lead
- Customer owned portion is curb box to dwelling, which is galvanized, will need to be replaced.
- HMUA plans a single project to replace all in expedited manner

Customer Files / As-Built Dwgs fed GIS Inventory

WATER METER REPLACEMENT FORM

SERVICE ADDRESS and / or Account # - 1 Reese Ave

OLD METER INFORMATION
 OLD METER MFG & MODEL - Neptune Tri-seal OLD METER SIZE - 5/8 1 1-1/2 2
 OLD METER SERIAL # 18892935 WAS METER SEALED - YES / NO
 OLD 6-DIGIT READING - 282927 # OF STATIONARY ZERO'S - 1
 ILLEGAL CONNECTION BEFORE METER - YES / NO

NEW METER INFORMATION - (ATTACH NEW METER TAG TO THIS FORM !!!)
 METER LOCATION - PIT / INSIDE BLDG VALVES Before & After METER - YES / NO
 MFG & MODEL - G700 Anica SIZE - 5/8 1 1-1/2 2 2 BOARD / 3 BOARD
 METER SERIAL # 13240556 ERT# 21398467
 6-DIGIT READING - 020003 # OF STATIONARY ZERO'S - 1
 VERIFY READING VIA RADIO READER YES / NO SEAL METER YES / NO

WATER SERVICE LINE
 Size of Service Line - 3/4 Material - COPPER / GALV / PLASTIC / OTHER

COMMENTS _____

DATE OF NEW METER INSTALLATION - 7/22/14 INSTALLED BY Bud

METER INSTALLATION INSTRUCTIONS

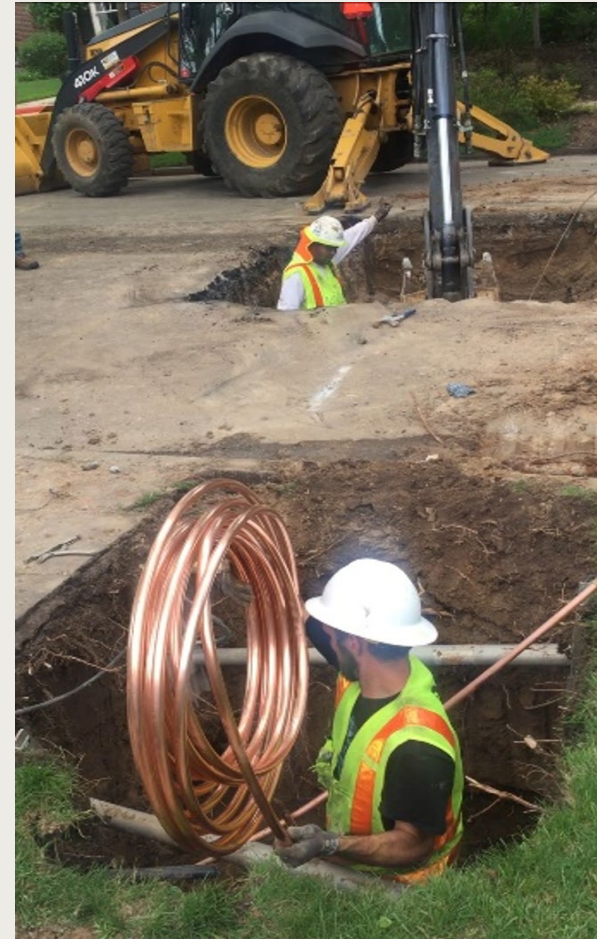
1. COMPLETE ALL INFORMATION ON THIS FORM
2. CHECK FOR ILLEGAL CONNECTION before meter.
3. RUN WATER to verify new meter is working.
4. INSTALL ERT as high as possible on wood rafters above concrete. Keep away from metal if possible. DO NOT STRIP WIRES WHEN USING GELCAP CONNECTORS when wiring ERT to Meter Register.
5. SLOWLY OPEN INLET SIDE TO FILL METER.
6. SLOWLY OPEN OUTLET SIDE TO FILL METER.
7. SEAL WATER METER WITH WIRE & LEAD SEAL.
8. VERIFY ERT READING with Radio Reader.
9. Allow Homeowner option of removing ARB or leaving on house. If ARB is left on house remove pins.

➤ Customer Files:

- HMUA began use of Water Meter Replacement form in the Mid 1990's.
 - Form included a record of the service line material into home.
 - Contained most of the required data for the service lines.
 - Customer work orders showed previous service line replacements.
-
- **As-Built drawings from water main replacement projects confirmed HMUA side (main to curb stop) galvanized lines replaced with copper.**
 - **Historically, galvanized lines replaced as found/most due to leaks.**
 - **Curb box test pits program carried out by HMUA to investigate remaining unknowns.**

Lead Service Line Removal – Project Overview

- **Communication to LSL Customers**
- **Pass ordinance and develop Customer Replacement Agreement Form**
- **Pre-design inspection of all replacement locations**
- **Prepare Contract Documents**
- **Pursue I-Bank Funding**
- **Bidding and Award Construction Contract**
- **Construction Coordination / Replacement of LSL**
- **Post Construction and Filter Distribution**



Pre-Design Inspection

Utilizing Survey123

➤ Customer Communication:

- Nixle text alerts; Local Radio (WRNJ) – requesting contact information be sent to HMUA.
- Letters sent certified – requesting entry for inspection, and contact info.
- Appointments made where residents reached.
- Field visits for outside photos (curb box markouts, etc). Residents allowed access inside at many locations.
- Residents not home/no response – doors tagged.
- HMUA personnel drive by/watch for movement/cars in driveway – additional tagging of doors.



➤ Obstacles:

- No response/No interest.
- Language barriers.
- Resident COVID/privacy concerns.
- Visual accessibility (walls/clutter/hoarding).

GALVANIZED WATER SERVICE LINE INSPECTION

SERVICE ADDRESS _____
RESIDENTIAL - 1 FAMILY / 2 FAMILY / 3 OR MORE **TENANT / OWNER OCCUPIED**

WATER SERVICE
DATE OF INSPECTION - ____/____/____ TIME _____ INSPECTED BY _____
SERVICE LINE MATERIAL - _____ SIZE OF LINE - _____
LOCATION FROM RIGHT CORNER FACING TOWARD THE STREET OF BUILDING TO WALL PENETRATION _____

TYPE OF FOUNDATION _____
LENGTH OF SERVICE FROM WALL PENETRATION TO METER _____
TYPE OF MATERIAL AFTER METER AND INTO REST OF HOUSE _____
LENGTH OF SERVICE FROM CURB TO BUILDING _____ CURB STOP LOCATED YES / NO

METER INFORMATION
METER LOCATION - _____
VALVES BEFORE METER YES / NO AFTER METER - **YES / NO**
METER SIZE & BRAND - _____ # OF STATIONARY ZERO'S - _____
SERIAL # _____ ERT# _____ DIRECT READ - _____
COMMENTS - _____

PICTURES TAKEN
OVERALL PICTURE OF PROPERTY - YES / NO
CURB BOX LOCATION - YES / NO
SERVICE LINE ENTERING BUILDING - YES / NO
WATER METER AND PLUMBING - YES / NO
COMMENTS - _____

CONTACT INFORMATION:
NAME - _____ EMAIL - _____
CELL NUMBER - _____ SECOND NUMBER - _____


Pre-Design Inspection Utilizing Survey123

Page 1 of 3

HMUA Lead Services Replacement Project Report

Project Name:	HMUA Lead Services Replacement	MM Project Number:	507104120
Property Location:	400 WILLOW GROVE ST	Residential Type:	Mixed Use
Report by:	C. Beckmann	Occupied By:	Mixed
Date:	08/20/2022	Account ID:	
		Location Key Map:	Not on Key Map
		Edmunds Location ID:	

MAP



Water Service Materials

Service Line Material:	Galvanized	Service Line Other Material:	
Service Line Diameter:	1.5 inch	Service Line Other Diameter:	
Location of Wall Penetration:	N/A see comments.		
Type of Foundation:	N/A	Type of Foundation Note:	
Exterior Length of Service (feet):	265	Interior Length to Water Meter (feet):	N/A
Service Line Material After Water Meter:	N/A	Service Line Other Material After Water Meter:	
Customer Service Line Diameter (inches):	N/A	Customer Service Line Other Diameter (inches):	
Total Estimated Length to be Replaced:	265 feet		

Additional comments or notes:
This is a 1.5-inch supply line that feeds 9 services. Contractor shall replace the 1.5-inch galvanized line from the meter to the end of the service line. Contractor shall connect this new 1.5-inch supply line to each of the nine (9) existing 3/4-inch copper service lines. All work at this location will take place outside of the units. Please see attached sketch for more detail.

Property Location:
400 WILLOW GROVE ST

Work Date: August 20, 2022
Report Version: 2022-03-16-01 Template Version: 2022-04-12-01

Page 2 of 4

HMUA Lead Service Line Replacement Project Work Locations

PHOTOS




Figure 1: Front of 133 Liberty Street




Figure 2: Curb Box

Property Location:
133 LIBERTY ST
Account ID: 19149-1

Edmunds Location ID: 6119
Work Date: March 22, 2022 10:48 AM
Report Version: 2022-03-16-01 Template Version: 2022-04-12-01

Page 3 of 4

HMUA Lead Service Line Replacement Project Work Locations


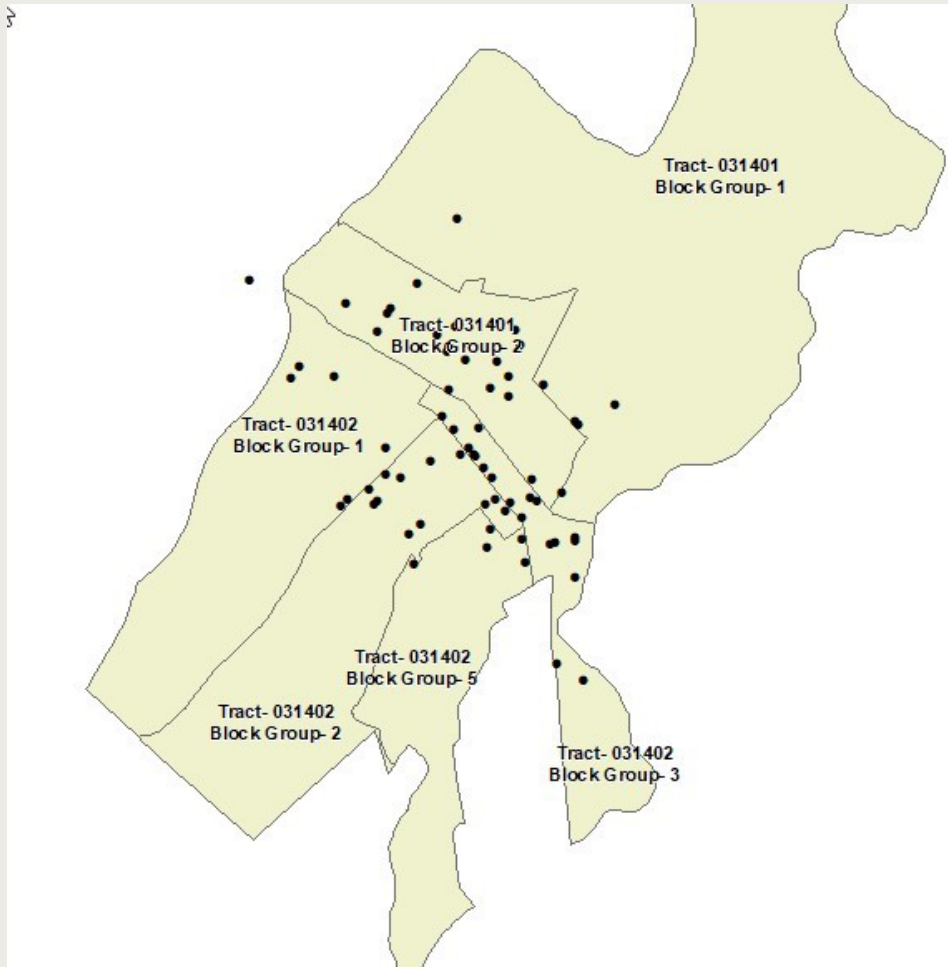


Figure 3: Wall Penetration

Property Location:
133 LIBERTY ST
Account ID: 19149-1

Edmunds Location ID: 6119
Work Date: March 22, 2022 10:48 AM
Report Version: 2022-03-16-01 Template Version: 2022-04-12-01

Funding through I-Bank



Income for the project area used Census Block Group Data

- **Affordability Criteria met for FY 2022; not FY 2023 based on Proposed Intended Use Plan**
- **Proactive communication with NJDEP to get into FY 2022 Funding Cycle**
- **HMUA expedited planning document and related loan applications**
- **NJDEP was helpful in expediting reviews and approvals**
- **77+% Principal Forgiveness granted**

Right of Entry Agreement



RIGHT OF ENTRY AND RELEASE FOR LEAD SERVICE LINE REPLACEMENT

REASON FOR THE HMUA'S REQUEST FOR A RIGHT OF ENTRY:

Hackettstown Municipal Utilities Authority (HMUA) records reflect that the water service line from the curb stop/valve to your home, may be made of materials containing lead such as galvanized iron/steel. Although the lead service line is owned by you (as the property owner), the HMUA believes that providing clean, lead-free drinking water to its residents is a public purpose beneficial to all. For this reason, on May 12, 2022, the Town of Hackettstown enacted Ordinance No. 2022-05 to implement the mandatory replacement of lead service lines within the Town of Hackettstown.

The HMUA has implemented a **Lead Service Line Replacement Program** where you can choose to have the HMUA fully replace your obsolete lead service line with a non-lead one *at no direct cost to you*. You also have the option to replace the obsolete lead service line at your own cost and expense. Whichever option you choose, under the Ordinance, the lead service line must be replaced.

If you desire to participate in the LEAD SERVICE LINE REPLACEMENT PROGRAM, then you must complete this form per the instructions provided below.

The HMUA's Contractor and other Representatives will need access to your Property to perform the work associated with the Lead Service Line Replacement ("Replacement Work"). This Replacement Work includes access to the water meter inside your home, and involves: shutting off your water service for approximately eight (8) hours; removing your existing lead service line; replacing the lead service line with a new lead-free service line (from the curb box to your home, and through your basement wall to the existing water meter); connecting the new service line to the HMUA owned line at the curb box; and flushing the new service line. Before beginning work, the HMUA's Contractor will notify you when they will be on your property to perform the work. It is your responsibility to provide reasonable access and a working area for the Contractor at the service line and water meter location as requested by the Contractor. The Contractor and HMUA Representatives may continue to enter onto your property until construction is completed, and both you and the HMUA accept the work. The HMUA's Contractor and Representatives will suitably identify themselves prior to entering the property.

RIGHT-OF-ENTRY

I _____ affirm that I am the lawful owner ("Owner") of the Property, which has the street address of _____ ("Property"), and hereby grant the HMUA contractors, agents, and employees the right to enter and access my Property, so that the HMUA can perform and complete lead service line replacement work on the Property. I authorize the HMUA, its contractors, agents, and employees to: take photographs and videos of the interior and exterior of the Property in the area of the water service line before and after installation; bring workers, material, equipment, and supplies onto the Property; and; utilize the Property for the purpose of performing the work necessary to replace the lead service line.

If you are a tenant, then please provide a copy of this Right of Entry to your landlord to authorize and sign. If your Property is rental property, then please notify your tenant(s) of your participation in the Lead Service Line Replacement Program and the scheduled work.

1141-5

Pursuant to Town of Hackettstown Ordinance No. 2022-05, the Owner of any dwelling, building or structure shall replace their lead service line by any of the following methods. By indicating your choice below, signing and returning this Right of Entry form you, as the Owner of the Property:

- grant the HMUA, its Representatives and Contractor the right to enter your Property between the hours of 7:00 a.m. and 6:00 p.m. (weekdays) to replace your lead or galvanized iron/steel service line.

OR

- agree to replace your lead service line on your own and at your own expense within 90 days and submit proof of the completed work to the HMUA.

IMPORTANT: You agree and understand that the Lead Service Line Replacement Work cannot begin until the HMUA has received this signed Right of Entry.

It is the HMUA's policy and standard contract provision to require the Contractor to restore your Property to its preconstruction condition or better.

IN CONSIDERATION OF AND AS A CONDITION TO THE PERFORMANCE OF THE LEAD SERVICE LINE REPLACEMENT, YOU, THE UNDERSIGNED, HEREBY RELEASE AND FOREVER DISCHARGE THE HMUA, ITS EMPLOYEES, AND LEGAL REPRESENTATIVE (COLLECTIVELY THE "HMUA") FROM ALL LIABILITY FOR INJURY, DEATH, DAMAGE, OR LOSS TO PERSONS, REAL PROPERTY, OR PERSONAL PROPERTY IN CONNECTION WITH THE PERFORMANCE OF THE LEAD SERVICE LINE REPLACEMENT. YOU AGREE TO HOLD ONLY THE HMUA'S CONTRACTOR, ACTUALLY PERFORMING THE WORK, RESPONSIBLE TO PAY ANY CLAIM IN CONNECTION TO THIS RIGHT OF ENTRY FOR DAMAGE TO YOUR PROPERTY OR ASSETS ON YOUR PROPERTY.

SIGN BELOW:

Name (Property Owner/Authorized Tenant):

Property Address (Street Number & Street Name):

Signature _____ Date _____ Mailing Address (if different from above) _____

Printed name _____ Phone Number _____ Email Address _____

REQUESTS & CLAIMS:

A. YOUR PRESENCE DURING WORK: Someone must be present while the Replacement Work is being performed, to provide the Contractor with access in the area where your water service line enters your home up to your meter. A signature will also be required accepting the work.

B. CLAIM PROCEDURES: In order to make a claim against the HMUA's Contractor for damage to your Property in connection to the Lead Service Line Replacement Program and this Right of Entry, please call (908)852-3622 and have a copy of this Right-of-Entry form available.

1141-6

POST-REPLACEMENT ACCEPTANCE:

Date of Replacement _____

Name (Property Owner/Authorized Tenant): _____

Property Address (Street Number & Street Name): _____

Signature _____ Date _____ Mailing Address (if different from above) _____

Printed name _____ Phone Number _____ Email Address _____

Notes: _____

Includes Post-Acceptance by Owner

1141-7

- Ordinance (May 12, 2022)
- Customer Communication – required Notification of LSL Letter – English & Spanish (~Feb/Mar. 2022)
- ROE Form – late August 2022
- To date – 58 of 83 (tenant & owner signatures) ROE returned
- No Cost to Customer

Replacement Data Collection Form

Utilizing Survey123



ArcGIS Survey123

HMUA Water Service Line Replacement

Contractor *
Waters & Bugbee, Inc.

Report By *

Weather *

Temperature Range (° F) *

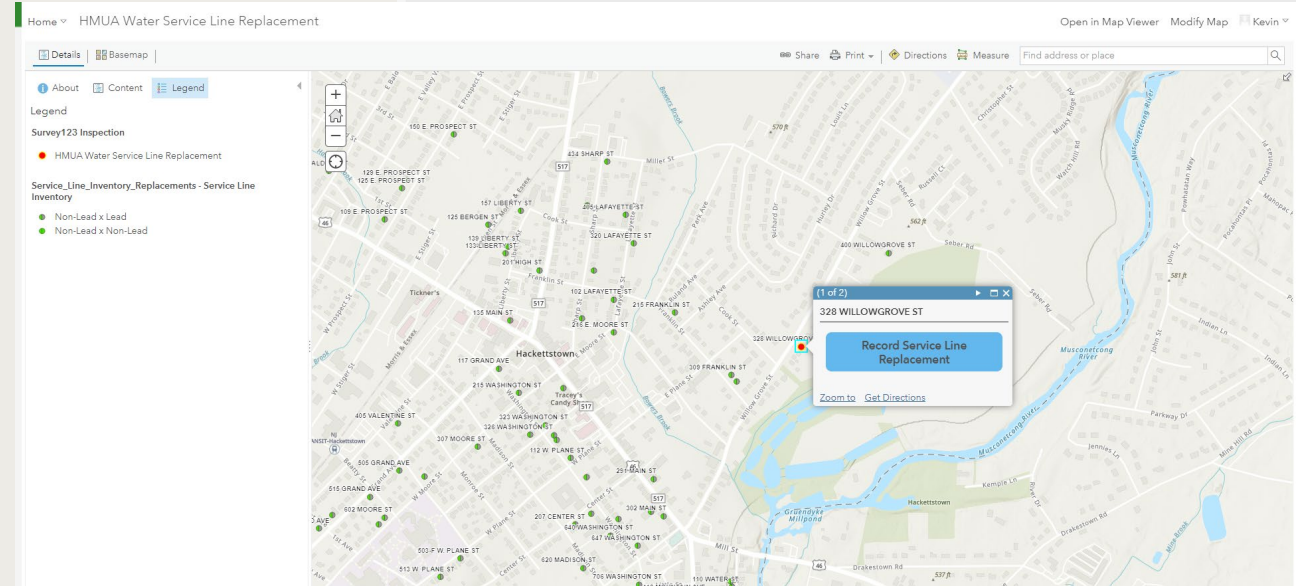
Service Address *
Pre-populated from Web App
328 WILLOWGROVE ST

Location *

Confirm Right of Entry Agreement is signed: *
 Check

Road Opening Permit *

Remarks
Time (24hr format)



Upcoming Construction Phase Challenges

Procurement of Materials

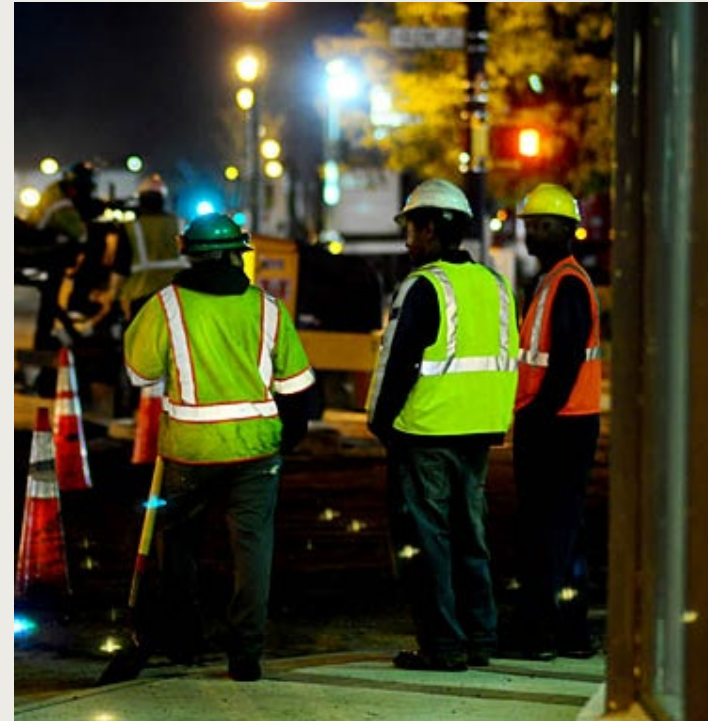
- Potential 30-week lead time for meter setters
- Longer lead times for domestic meter pit components

Permits

- NJDOT permit requires night work (9PM to 5AM) on state roads (7 locations)
- Light/noise disruption to residents/neighbors
- Plumbing work in LSL resident's home
- Follow-up site meeting conducted with NJDOT Staff to request daytime work

Customer Interaction Pre/During/Post Replacements

- Contractor agreed to take on scheduling and communications w/customers
- HMUA to provide support with difficult to reach customers



Tips for Success

- **Inventory/Unknowns/GIS – Use every opportunity to collect/document info**
- **Early Communication with Municipal/Community Leaders**
- **Early Customer Communication – Use every opportunity to collect contact info**
- **Early discussion with NJDEP/I-Bank to optimize funding**
- **Leverage Technology in data collection for efficiency and documentation**



Thank you



Newark Water Department

Kareem Adeem, Director

Newark Lead Service Line Replacement Program Overview

NJDEP Lead Service Line Replacement Round Table
Water Systems

October 13, 2022



Overview

Challenges and solutions for managing a lead service line replacement program

How technology was leveraged to develop and implement a program encompassing the identification and inspection of 31,000 homes and the replacement of 23,000 LSLs

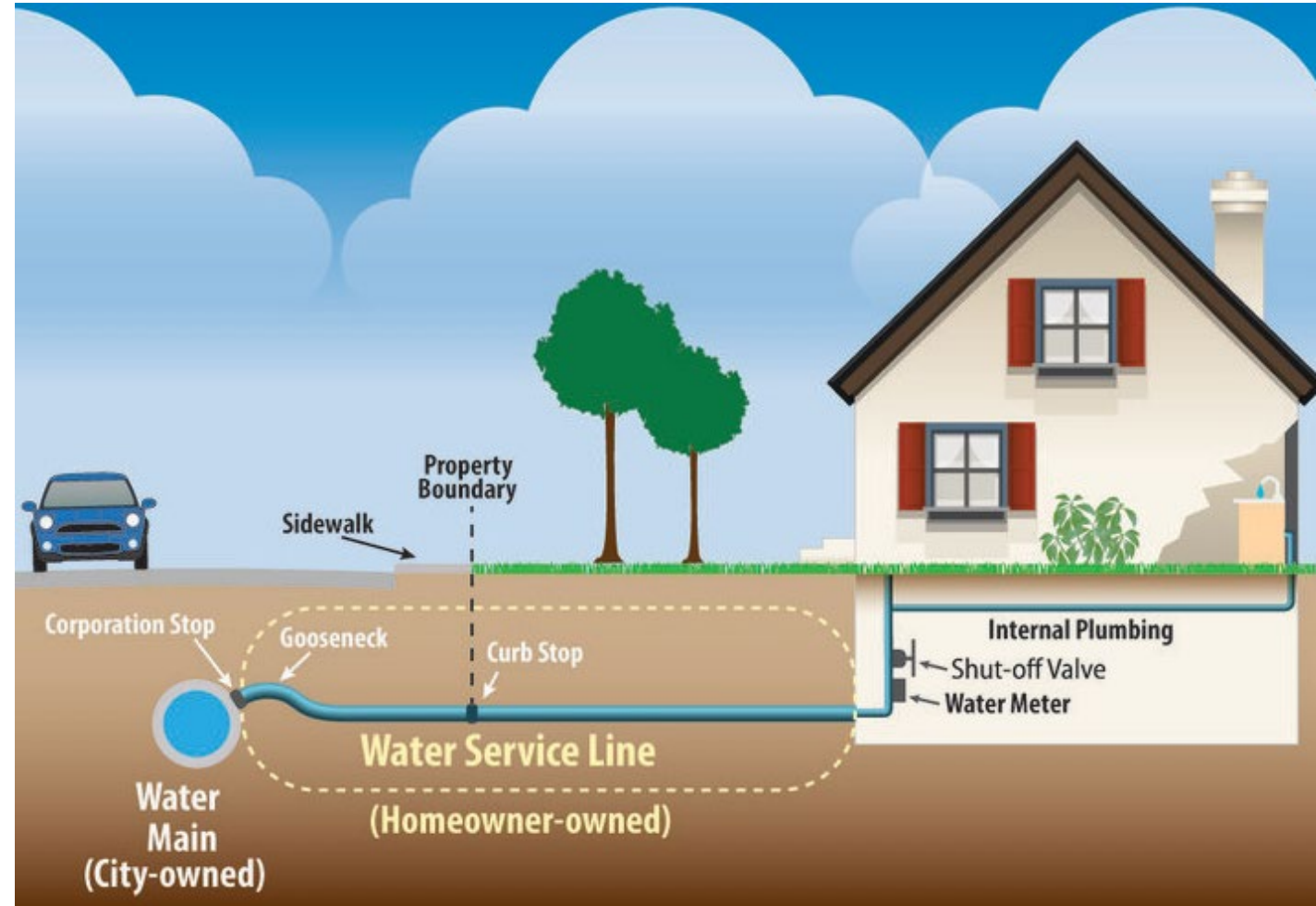
Opportunities for Economic and Workforce Development and Minority/Women Owned Businesses Participation

Collaboration with local, county, state and federal partners and other utility providers

Public Outreach

What and where are lead service lines (LSL)?

- Lead pipes connect home drinking water main in street
- Only long-term solution to protect public health: remove lead pipes
- **6.5 to 10 million LSLs** in the United States



In Newark, the homeowner owns the service line from the main to the meter



Newark's Program in Action

Contracting Approach

* - denotes NJIB funded projects

Phase	Number of Replacements	Duration (months)	Status	Number of Contracts	Total Contract Value
I	1,500	12	Complete	3	\$11,100,320 *
II	1,500	9	Complete	3	\$11,714,770 *
III	5,000	9	Complete	1	\$40,000,000
IV	5,000	9	Complete	1	\$40,000,000
V	660	6	Complete	2	\$5,954,751 *
VI	1,000	9	Complete	1	\$6,573,250 *
VII	1,000	9	Complete	1	\$7,511,670 *
VIII	1,000	6	Complete	1	\$7,085,690 *
IX	1,000	6	Complete	1	\$6,663,950 *
X	6,500	6	43% Complete	5	\$47,672,295 *
TOTAL	24,160			19	\$184,276,696

Bidding Approach

- Unit-priced contracts
 - Lump sum unit price main-to-curb replacement
 - Lump sum unit price curb-to-meter replacement
 - New water service connection
 - Test pit
 - Curb-to-curb paving
 - Infrared paving
 - Concrete/pavers/backfill materials
- Allowance items for additional work



Construction Approach

1. Create backlog of work with right of entry forms
2. Schedule preliminary inspection with homeowner
3. Schedule service installation with homeowner
4. Dig at curb stop to determine replacement extent:
 - Test pit
 - Main-to-curb
 - Curb-to-meter
 - Full service
5. Final restoration
6. Curb-to-curb paving or infrared patching



Construction Approach

Test pit

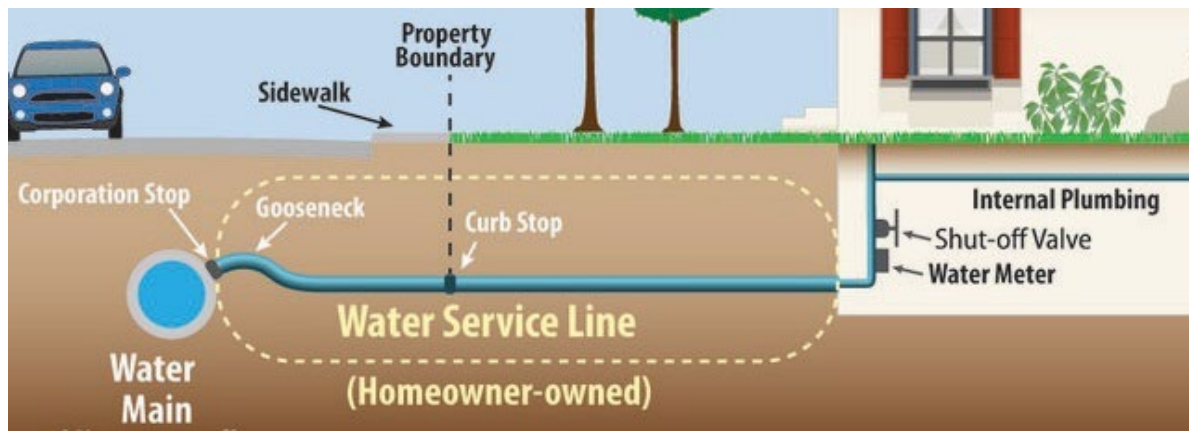
- Copper on both sides of curb stop, in home at meter

Main-to-curb

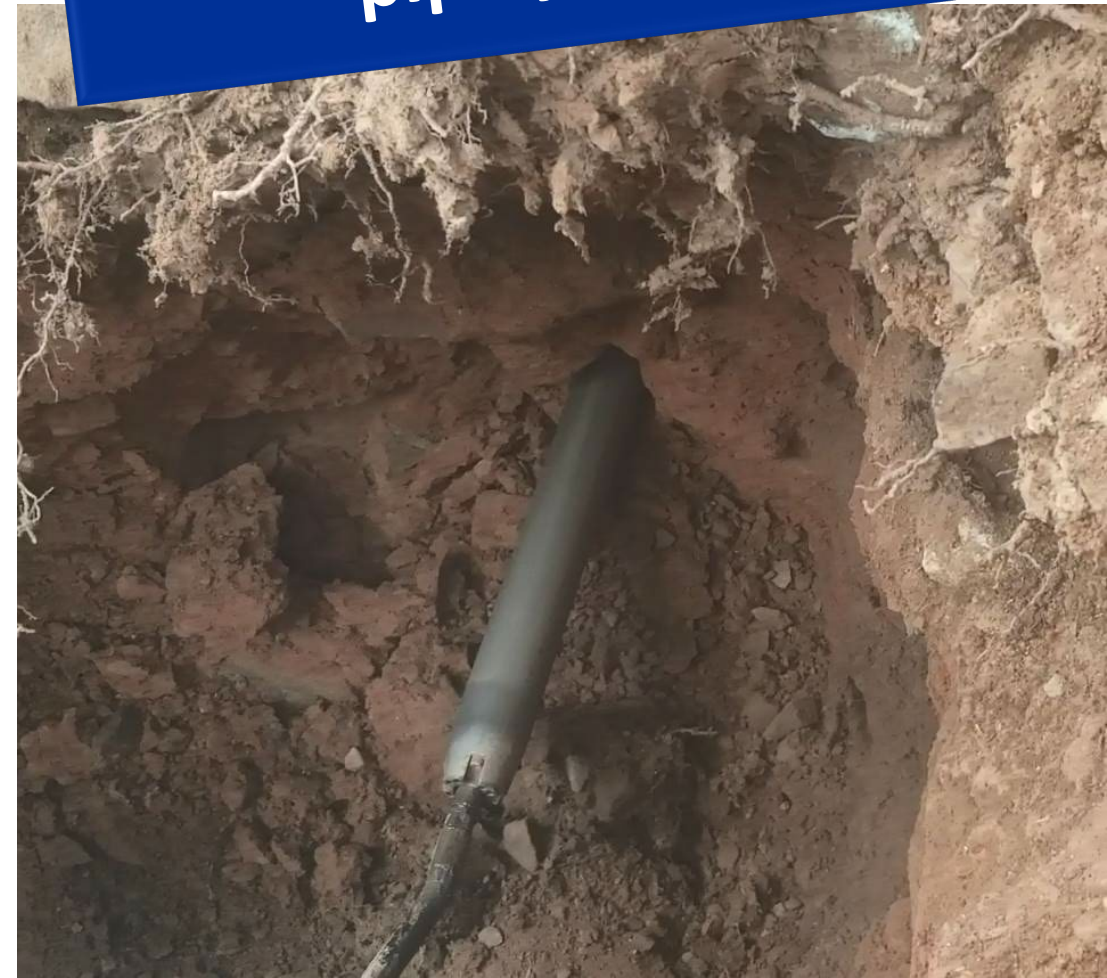
- New Corporation Stop (if required)
- New Curb Stop

Full service

- Includes main-to-curb and curb-to-meter



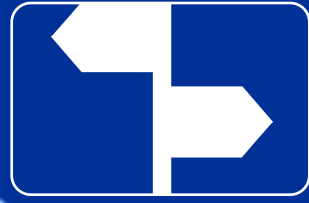
Critical Success Factor:
trenchless technology
with pneumatic moles and
pipe pulling



Construction Challenges



Scheduling replacements in efficient and effective sequence/traffic patterns



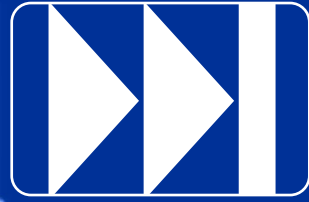
Subgrade Condition



Not every house is the same



Homeowner questions and concerns



Accelerating construction schedule



Management and Tools

Management and Tools

e-Builder

ArcGIS

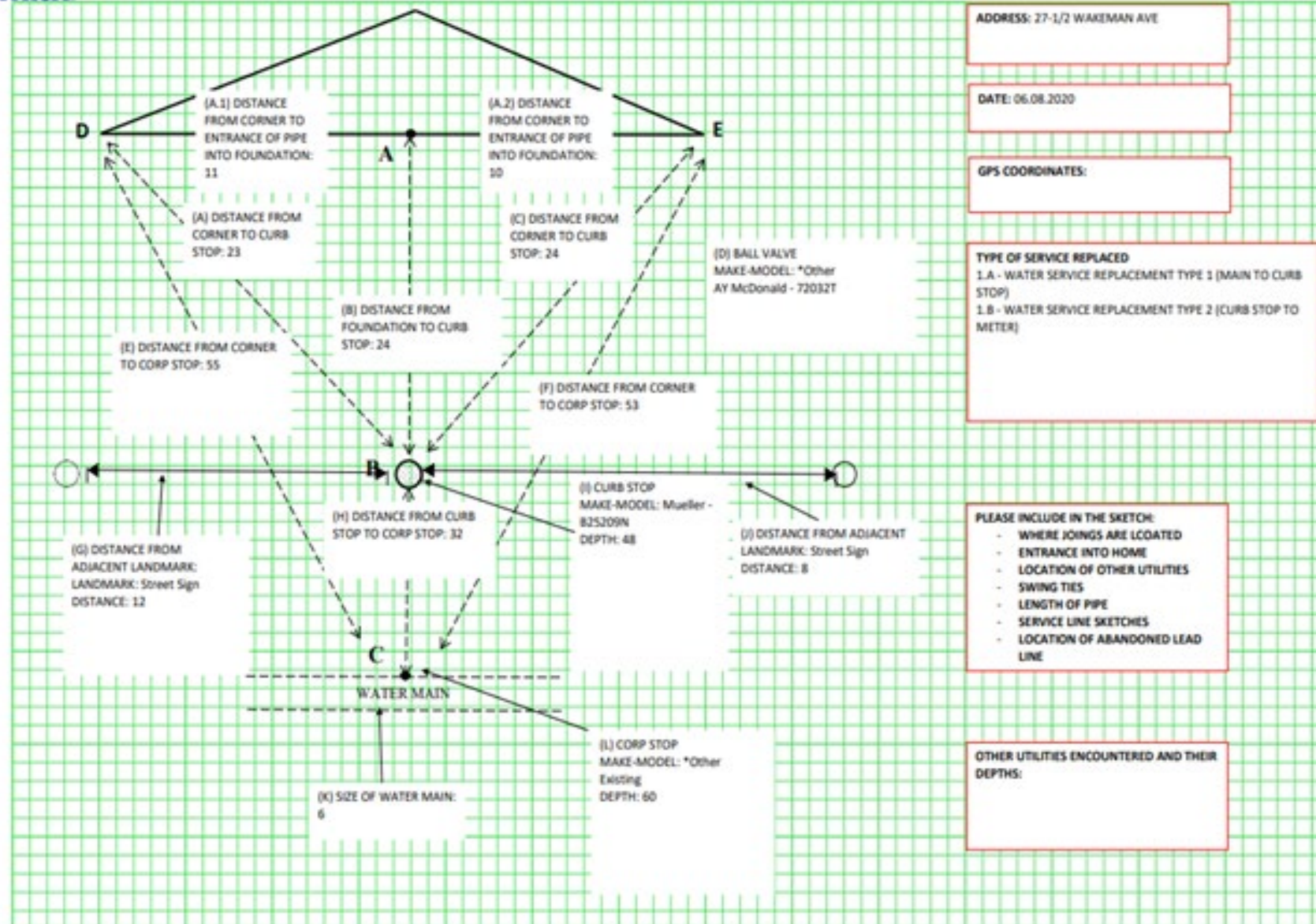
**Public-Facing
Website**

Public Outreach

e-Builder Documentation by Inspector



1. Summary of work
2. Manpower and equipment onsite
3. Payment quantities
4. Police – traffic control
5. Work contractor may claim as extra
6. As-builts
7. Progress pictures
8. Existing conditions



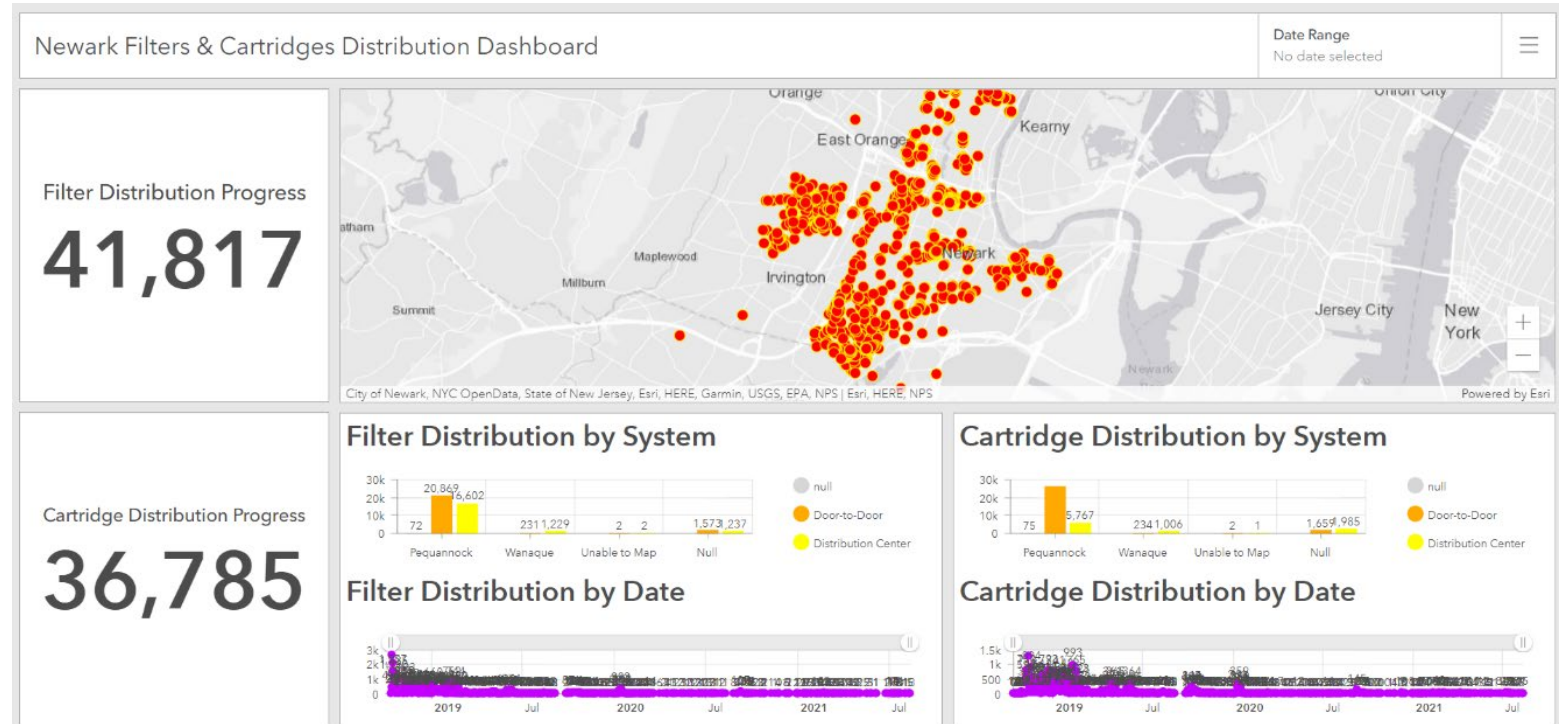
e-Builder Benefits

- Search for data in the future
- Mobility in the field
- Consistent data and documentation
- Real-time reporting of services completed
- Integration with ArcGIS
- Tracking crucial data for asset assessment



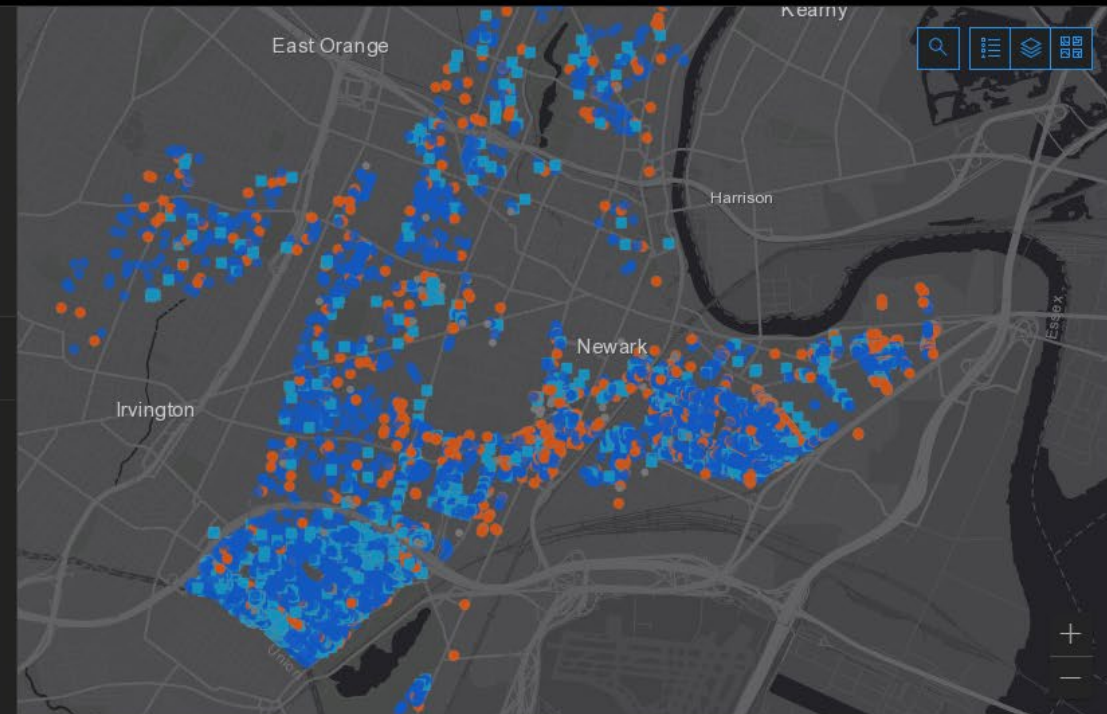
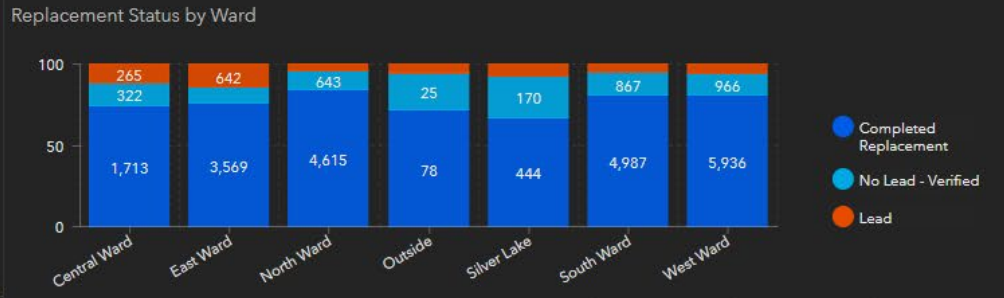
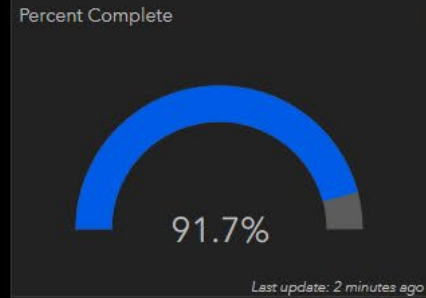
ArcGIS used to:

- Develop a project status dashboard
- Manage homes for each contract
- Develop a backdrop on a public website to check on status of home replacements
- Schedule work
- Coordinate paving contracts within the city



ArcGIS Replacement Dashboard

Newark LSLR Program Status Dashboard (See Side Tab for Filters)



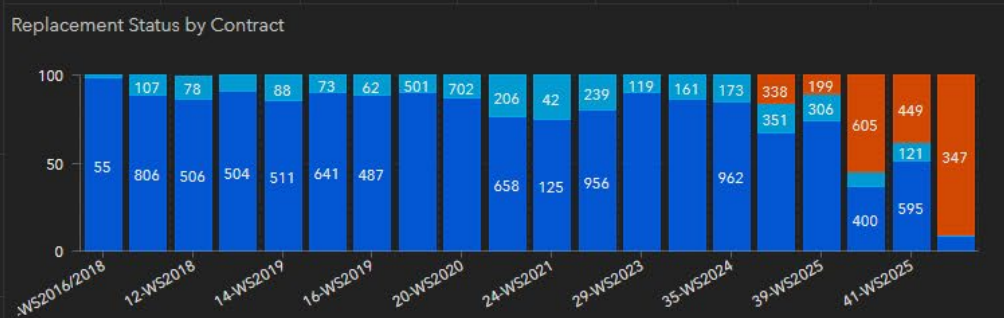
LSLR Status

Assumed: 23,280
Completed: 21,343
Remaining: 1,937

Ward	Completed	Percentage
Central	1,713	(87%)
East	3,569	(84.8%)
North	4,615	(95.2%)
South	4,988	(94.2%)
Silver Lake	444	(90.1%)
Outside	78	(92.9%)
West	5,936	(93.2%)

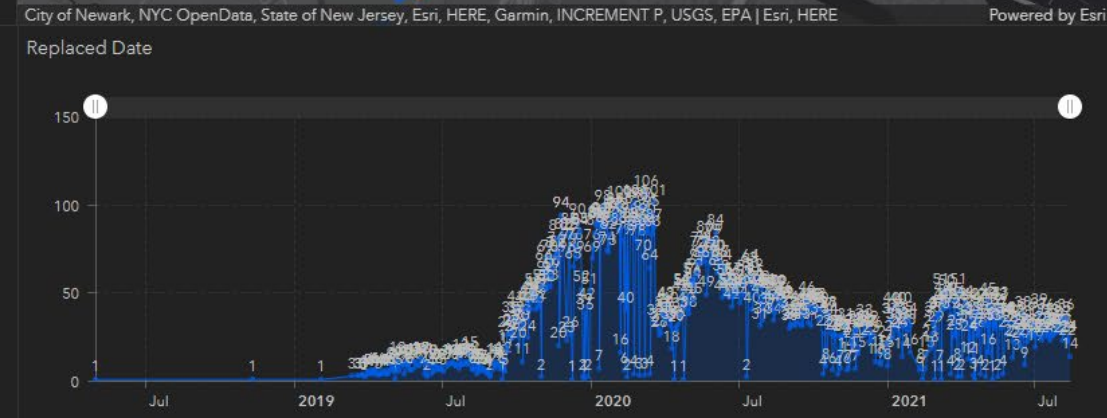
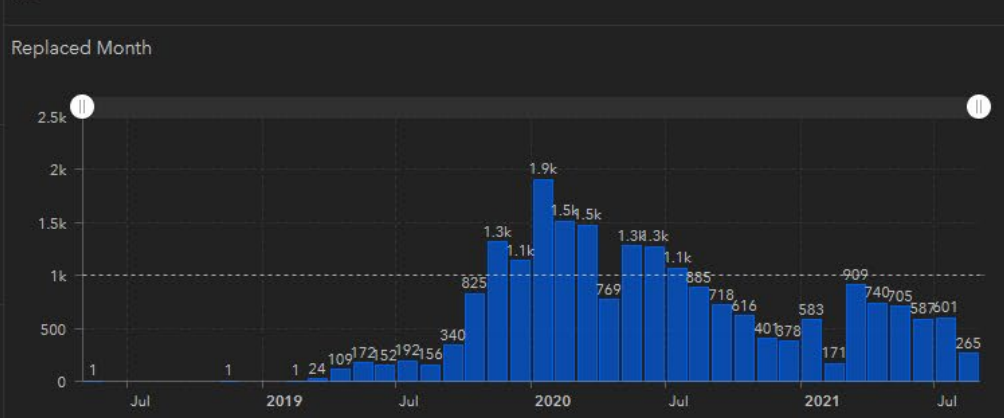
Completed Last 30 Days

547



Verified No Lead by Test Pit

3,477



<https://cdmsmith.maps.arcgis.com/apps/dashboards/469418ed2f2a4764a07d655106aeb738>

ArcGIS Replacement Dashboard

Newark LSLR Program Status Dashboard (See Side Tab for Filters)

Percent Complete



91.7%

Last update: a minute ago

LSLR Status

Assumed: 23,280
Completed: 21,343
Remaining: 1,937

Completed Last 30 Days

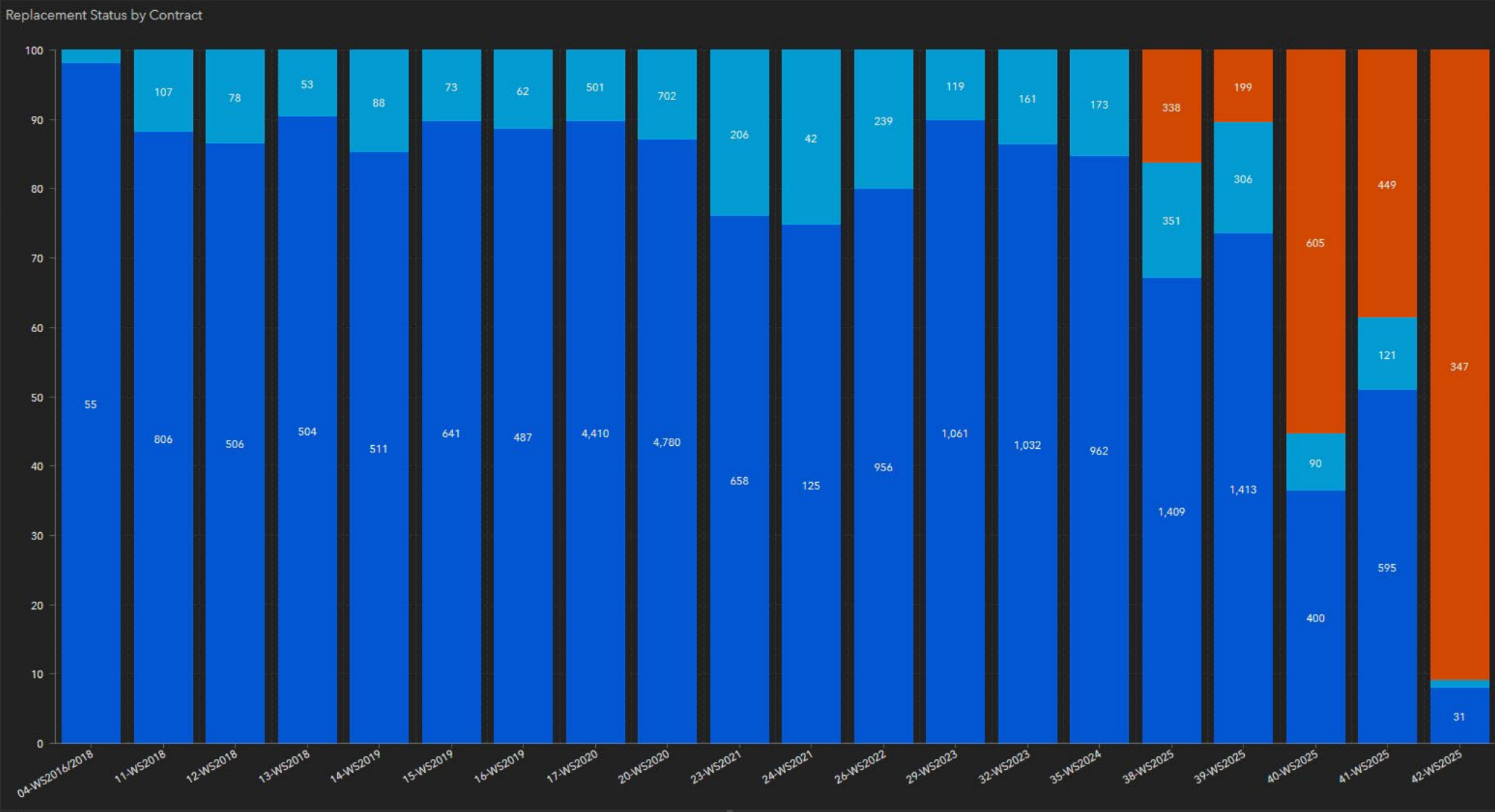
547

Verified No Lead by Test Pit

3,477

ROE Approvals

20,817 Total
4 (Last 30 days)



ArcGIS Replacement Dashboard

Newark LSLR Program Status Dashboard (See Side Tab for Filters)

Ward

All

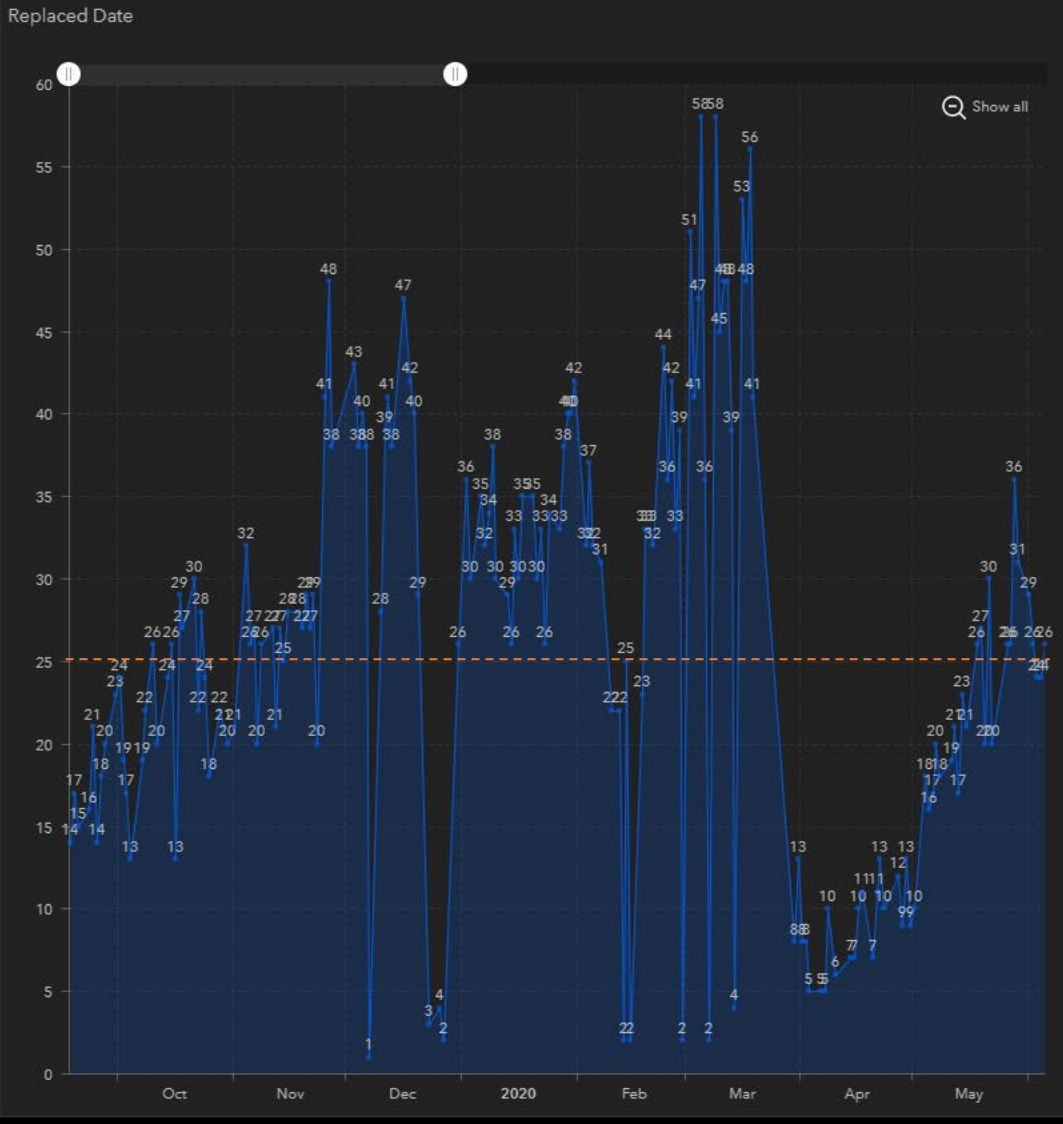
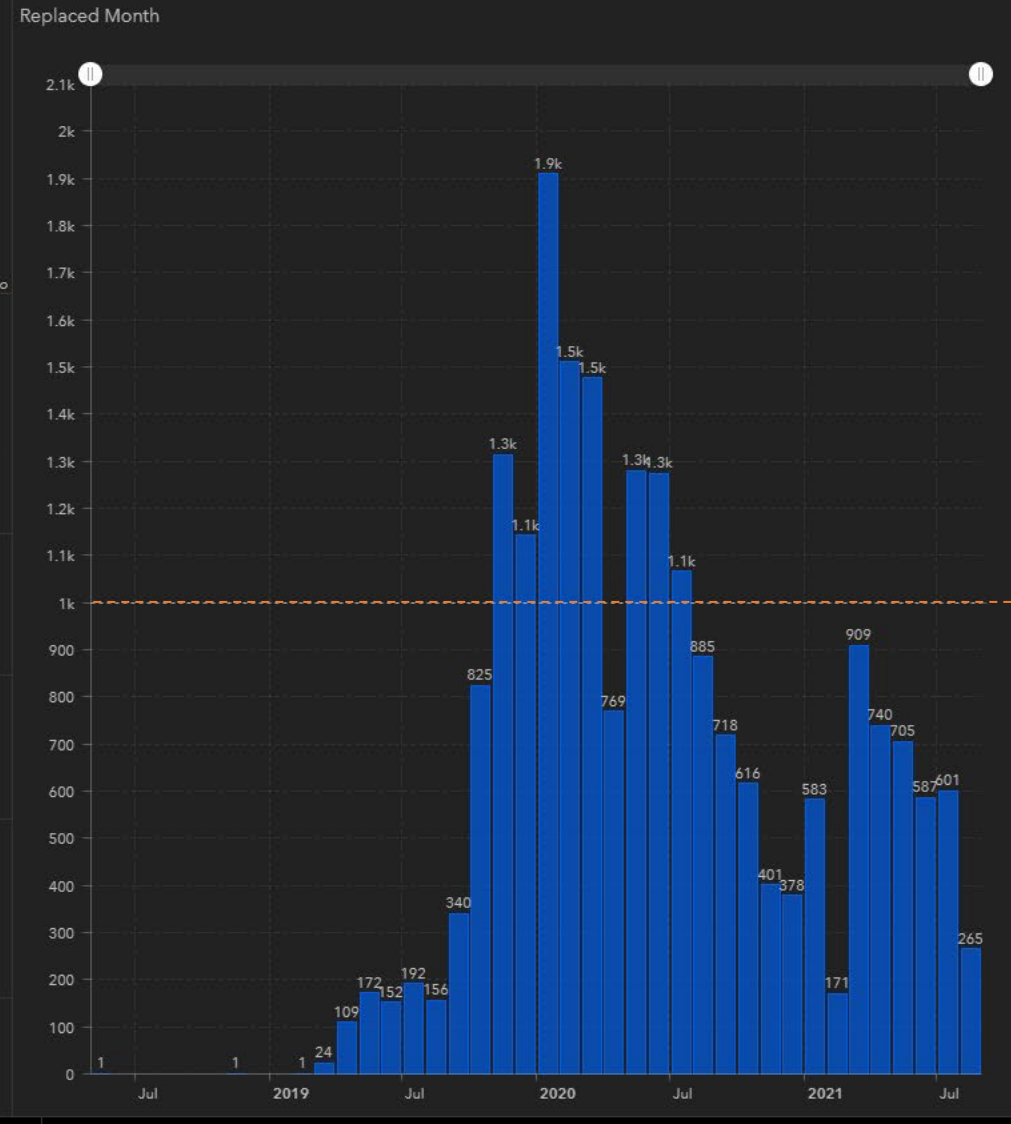
Contract

17-WS2020

Filter...

- 17-WS2020
- 20-WS2020
- 23-WS2021
- 24-WS2021
- 26-WS2022
- 29-WS2023

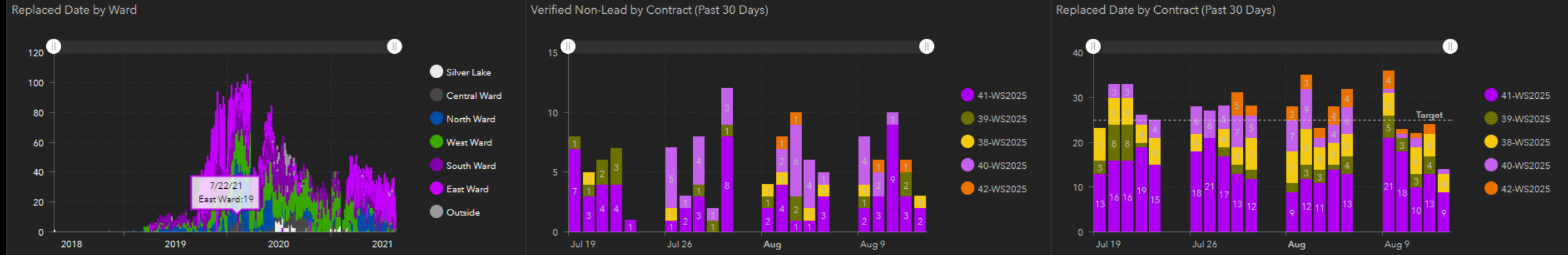
Reset Select all



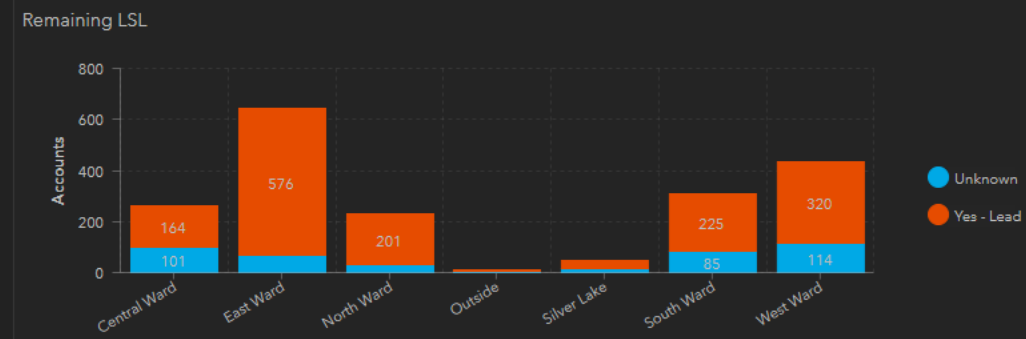
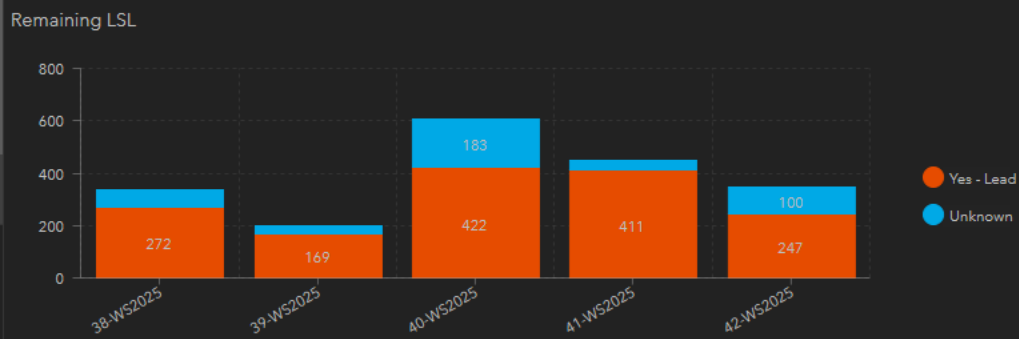
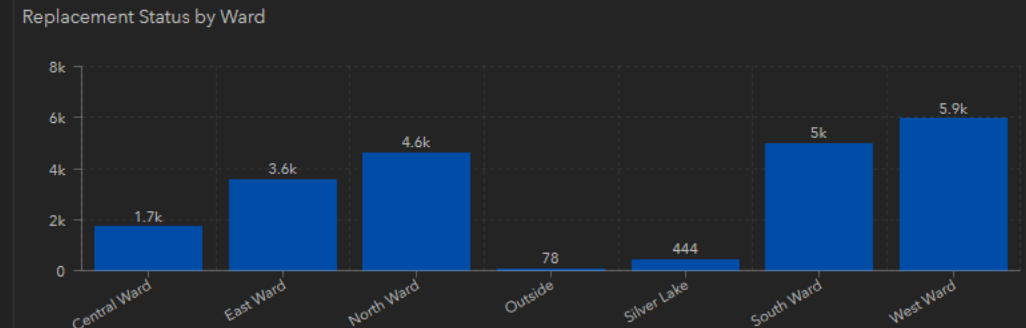
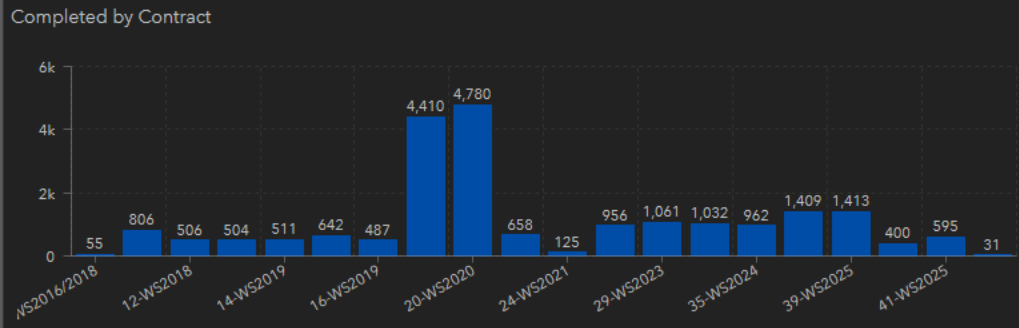
Paving

ArcGIS Replacement Dashboard

Newark LSLR Program Status Dashboard (See Side Tab for Filters)



Contract	Contractor
04.WS20116	Montana
11.WS2018	Pacific
12.WS2018	Roman
13.WS2018	Roman
14.WS2019	Roman
15.WS2019	Underground
16.WS2019	Roman
17.WS2020	Roman
20.WS2020	Montana
23.WS2021	Roman
24.WS2021	Pacific
26.WS2023	Pacific
29.WS2023	Roman
32.WS2023	Roman
35.WS2024	Roman
38.WS2025	Pacific
39.WS2025	JAS
40.WS2025	Pacific



ArcGIS Replacement Dashboard

Newark LSLR Program Status Dashboard (See Side Tab for Filters)

Sample Eligibility

Eligible Homes: 17,295 (81%)
Total Replacements: 21,343


Sample Status

Analyzed: 5,157 (49%)
Initiated: 10,609

Bottles Sent Out: 5,161
Bottles Returned: 5,448


Retests Completed: 11%
564 / 5,161

Total Samples Below Action Level

92% 
4,736 Samples

(Samples Below 15 ppB)

Non-Detect

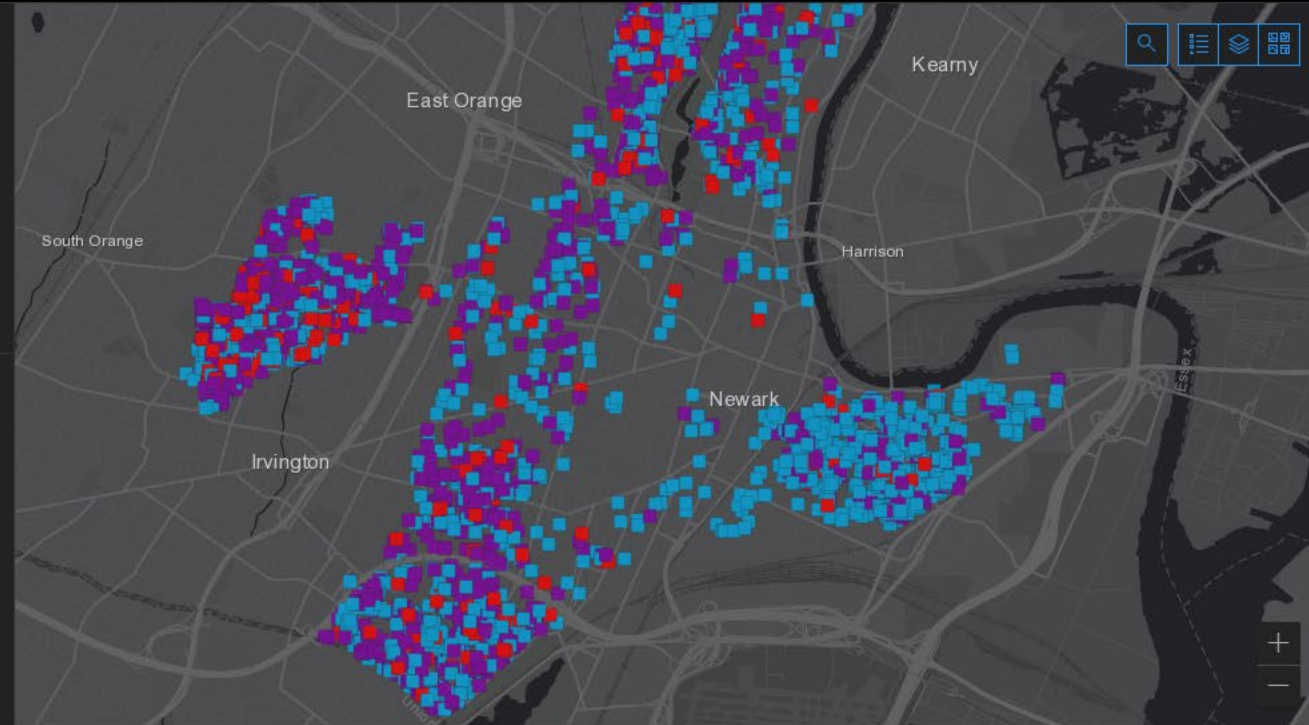
46% 
2,375 Samples

(Samples Below 1 ppB)

Detect

46% 
2,361 Samples

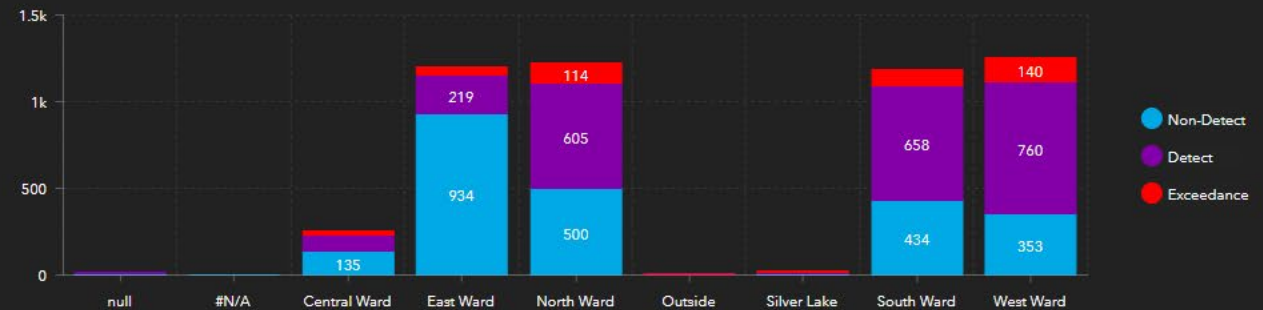
(Samples between 1 ppb and 15 ppb)



City of Newark, NYC OpenData, State of New Jersey, Esri, HERE, Garmin, INCREMENT P, USGS, EPA | Esri, HERE

Powered by Esri

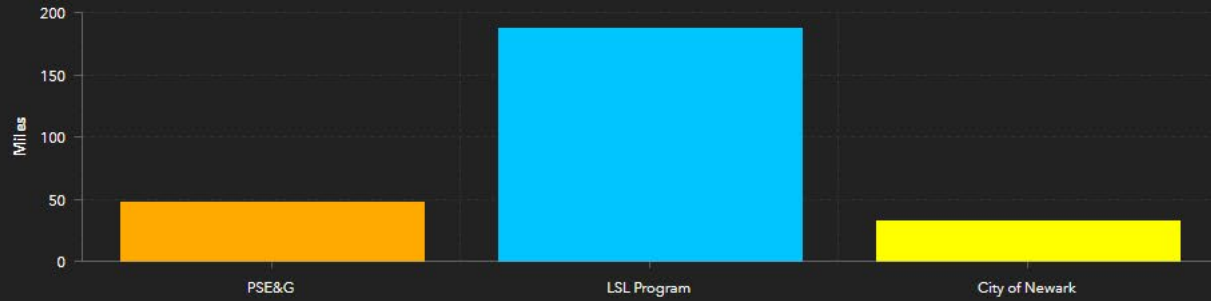
Samples Tested by Ward



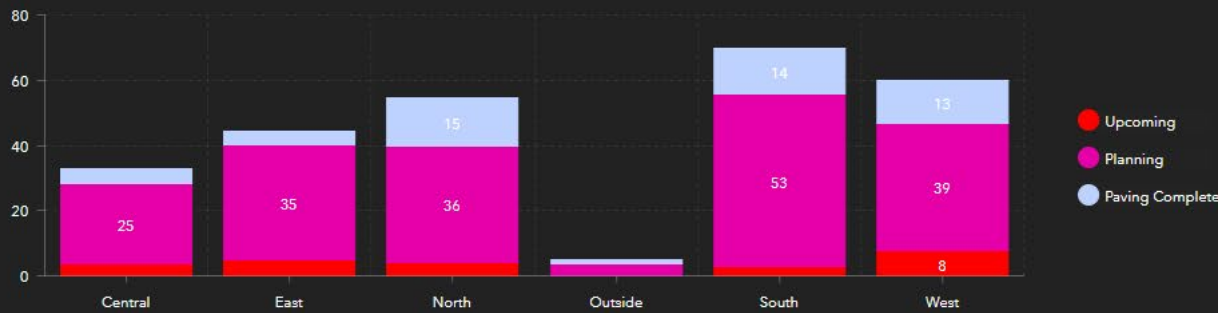
ArcGIS Replacement Dashboard

Newark LSLR Program Status Dashboard (See Side Tab for Filters)

Total Paving by Program

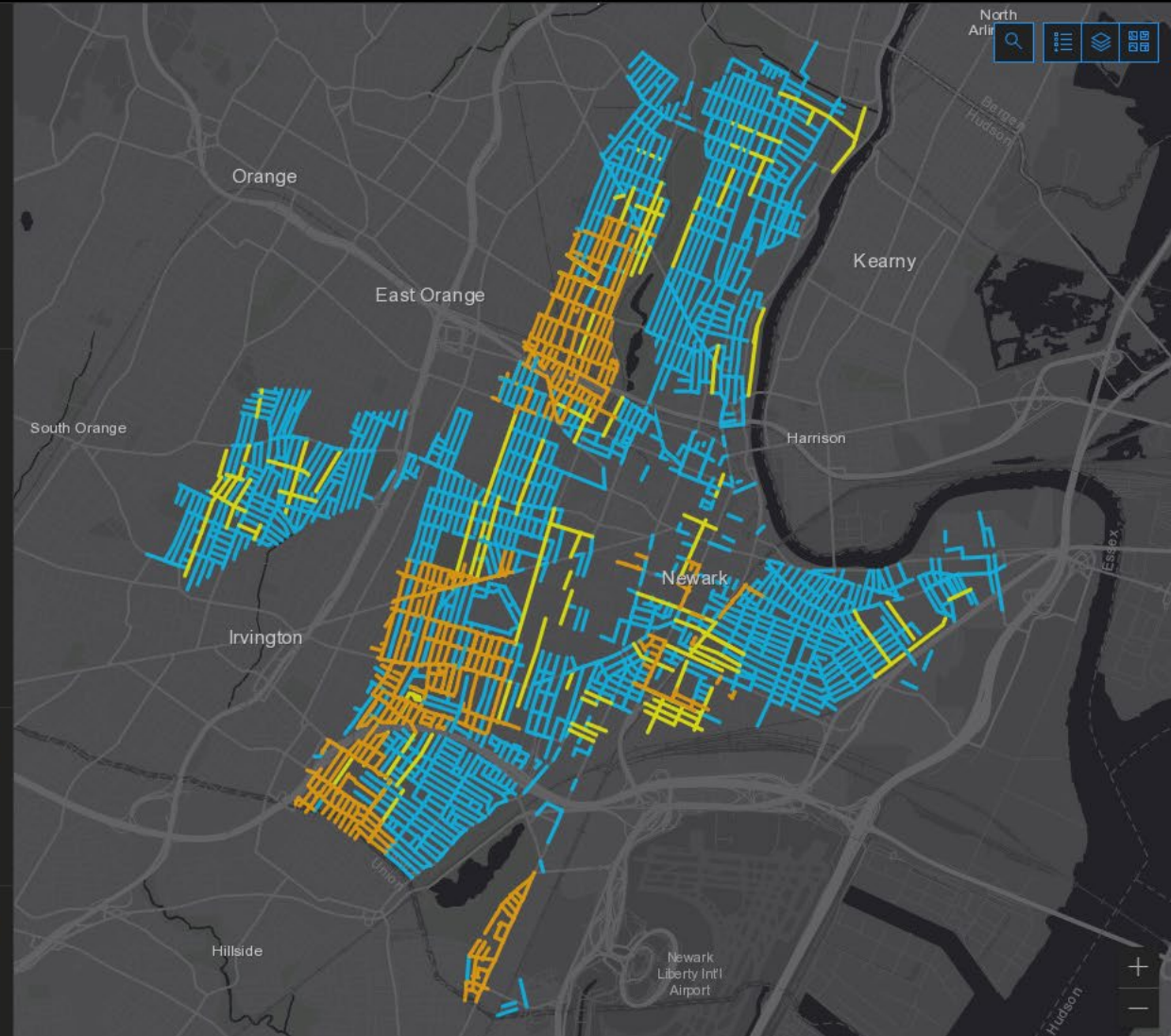


Total Paving Status by Ward



City of Newark
Total: 32 Miles
 LSL Program
Total: 187.3 Miles
 PSE&G
Total: 47 Miles

Paving Completed
51.3 Miles
 Upcoming Paving
23.7 Miles





Take Action

Contact Us



- Overview
- Water Filters
- Service Line Replacement
- More...

[← HOME](#)

Lead Service Line Replacement Program

The largest opportunity to reduce the risk of exposure to lead in drinking water is to remove the lead service line that brings water to your home from the water main in the street. The City of Newark has initiated a Lead Service Replacement Program that will replace approximately 18,000 lead service lines over the next 24 to 30 months.

Lead service lines replaced to-date

22,492

Public-Facing Website

ON THIS PAGE

[About the Program](#)

[Lead Service Lines](#)

[Check Your Line](#)

[Replacing Your Line](#)

[Construction Notices](#)

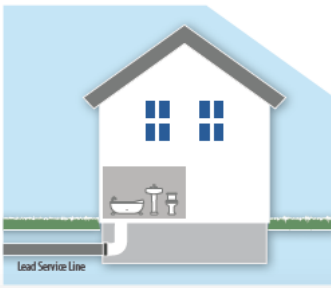
Public Outreach

NEWARK LEAD SERVICE LINE REPLACEMENT PROGRAM

City of Newark
Department of Water and
Sewer Utilities

Lead Service Line
Replacement Program

HAVE YOU SIGNED UP FOR THE PROGRAM?



To improve water quality and
a multi-phase City-wide Lead S
your neighborhood to replace

Do You Have a Lead Service Line?

The City has initiated a program to replace lead water service lines that provide water to homes throughout the City. Water service lines are located between the home and the water main in the street (as shown in the figure below). This program, known as the Lead Service Line Replacement Program, offers homeowners the opportunity to replace lead service lines at a discounted rate of up to \$1,000 to be paid in interest-free monthly installments for a period of 12 months.

To assist Newark in the completion of this program, we ask that you verify the pipe material that provides water to your home. This process should take 5-10 minutes to complete. Instructions on how to verify your water service line material are provided below.

If your home has a lead service line, you will be eligible for Newark's Lead Service Line Replacement Program where you will be able to have your service line replaced at a reduced cost as per the payment plan above.



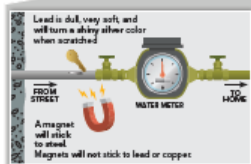
Material Verification Test Instructions

WHAT YOU WILL NEED

- A house key or coin
- A magnet

TESTING YOUR WATER SERVICE LINE MATERIAL

1. Find the water meter on your property. Water meters are typically located in the front side of the home in the basement, garage or crawlspace.
2. Locate the water service line that comes through the outside wall or floor of your home and connects to your meter.
3. Expose the metal surface of the pipe by using a key or coin to gently scratch the pipe (like you would scratch a lottery ticket). If the pipe is painted, use sandpaper to expose the metal first.
4. Determine your pipe material. Please refer to the pipe material verification test guidance on the back side of this page for assistance. Use a magnet to verify galvanized steel pipe if needed.
5. Once the pipe material is verified, complete the Lead Pipe Materials Survey Form and return it to the City. (See mailing instructions in the blue box to the right.)



SURVEY FORM MAILING INSTRUCTIONS

Upon completion of the Material Verification Test, please send your results via email or mail to:

info@newarklead serviceline.com

OR

City of Newark
Department of Water and Sewer Utilities
B31F, 920 Broad Street
Newark, NJ 07102

If you have any questions or concerns, please contact the Newark Department of Water and Sewer Utilities at (973) 733-6303 or via email at waterandsewer@ci.newark.nj.us. Free inspections are available upon request.

WHY REGISTER?



HEALTH REASONS:
risk of lead exposure
Go to www.newarknj.gov



COST SAVINGS: You
for up to 12 months,
dollars under this pro

HOW DO I REGIST



Complete the form o
OR take a photo of th
OR scan the QR Code
OR mail the form to:
City of Newark
Director, Departmen
B31F, 920 Broad Stre
Newark, NJ 07103
Re: LSL Replacemen

LIMPEM O CHUMBO



Aviso importante do:
**Departamento
de Água e
Esgoto**



Os registros da Cidade de Newark indicam que sua casa tem uma linha de serviço de água de chumbo. A exposição ao chumbo na água potável pode causar sérios problemas de saúde, incluindo danos nos rins e no cérebro. Bebês, crianças e mulheres grávidas estão especialmente em risco.

A cidade tem dois programas para ajudar a proteger sua família da exposição do chumbo na água potável.

Programa de distribuição de filtro de água

Newark está distribuindo filtros de água **GRATUITOS** para os residentes elegíveis. Você pode verificar se está qualificado para um filtro em newarklead serviceline.com.

Programa de substituição da linha de serviço de chumbo

A cidade está oferecendo substituições de linhas de serviço de chumbo para residentes a um custo com **DESCONTO** até \$1,000. Sua linha de serviço de

My lead service line was REPLACED FOR FREE!

NEWARK'S LEAD SERVICE LINE REPLACEMENT PROGRAM

To sign up or for more information, visit:
newarklead serviceline.com

YOUR CITY AT WORK



MAYOR RAS J. BARAKA
AND THE MUNICIPAL COUNCIL



Construction Lessons Learned

- Markouts
- Construction methods
- Corporation stop replacement
- Lead downstream of meter
- Access for flushing
- Leaks when homeowner is not signed up
- Unsafe conditions
- LSL unit price with “add-ons”
- Bid items for when customers change mind, miss appointments, or pipe not lead



Construction Lessons Learned: Resident Concerns



Sewer backups related and unrelated to work performed



Low pressure issues with internal plumbing downstream of meter



Restoration of sidewalks post replacement



Scheduling issues with contractors: residents worried about being skipped



Potholes forming in street where temporary asphalt patch placed

Let's Follow Our Water Progress!

NEWARK WATER QUALITY SAMPLING PROGRAM

Every household participating in the City's Lead Service Line Replacement Program will receive a **FREE**, 6-month post-replacement water sample kit from 120WaterAudit.

What do you need to do?
Follow the easy instructions included in the kit.

- 1 Fill it**
Fill to the line first thing in the morning.
- 2 Secure It**
Twist the bottle closed tightly and seal it in the box.
- 3 Mail It**
Postage is already paid!

An EPA-certified laboratory will check your water quality and send you the results. The Newark Department of Water and Sewer will follow up.

For more information, visit
www.NewarkLeadServiceLine.com

With more than 12,000 lead service lines replaced and counting, sample kits are arriving in Newark mailboxes every day.



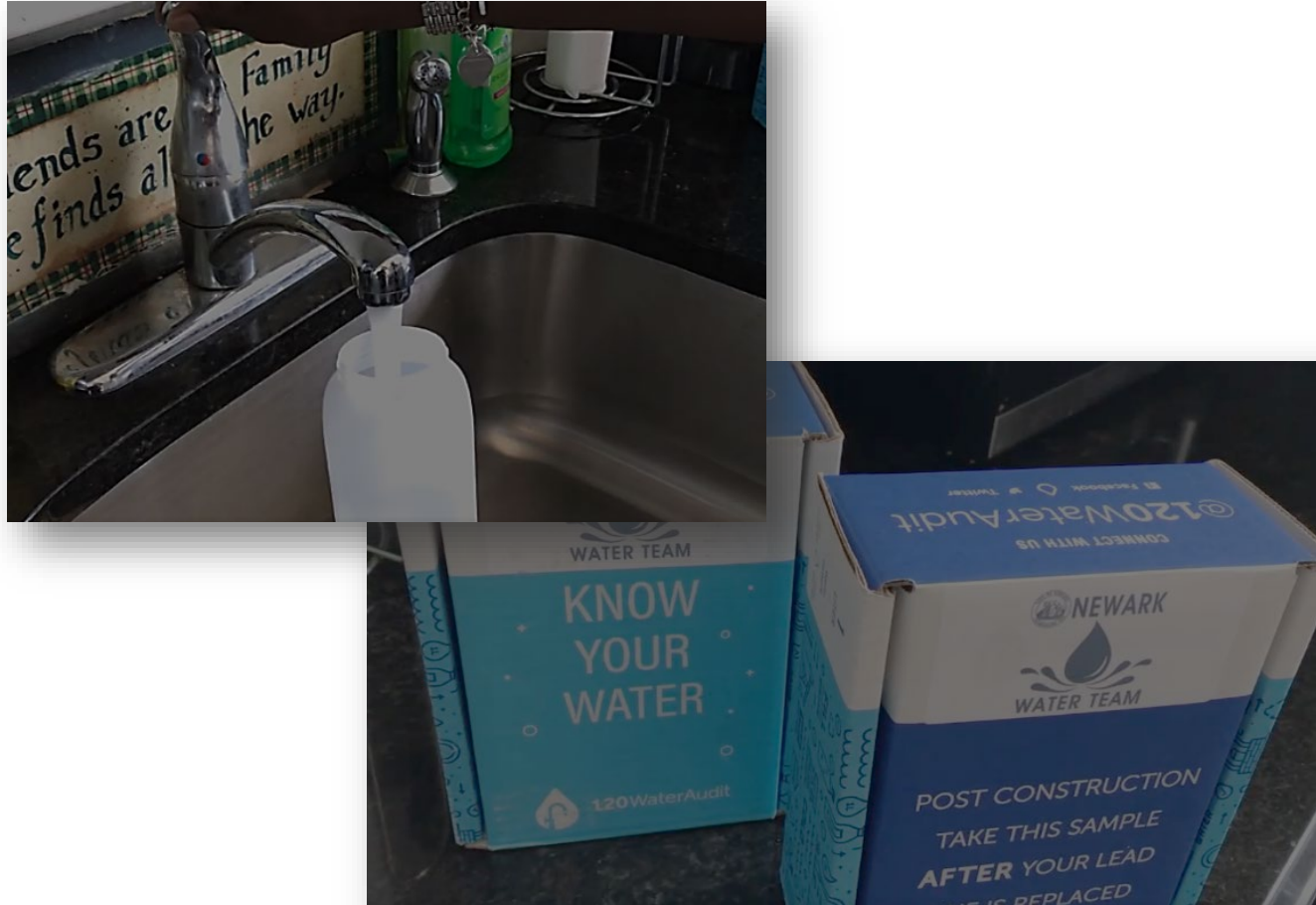
Post-Construction



“The free water sampling kit let me see for myself the quality of my family's tap water—talk about peace of mind!”

- Kristin B., North Ward

Post-Replacement Sampling



Water samples taken six months after replacement to prove lead level reduction

NEWARK WATER QUALITY SAMPLING PROGRAM

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An EPA-certified laboratory will check your water quality and send you the results. The Newark Department of Water and Sewer will follow up.



Diversity, Equity, and Inclusion

Pursuit of Diversity, Equity, and Inclusion

Affirmative Action Goals



Opportunity for all to participate in the economic mainstream

Fair and equitable treatment for all in award of all contracts

Protection from discrimination for all in hiring process

Support union membership in craft trades for minorities and women

Award 25% or more of total contract value to minorities and 7% to women

Pursuit of Diversity, Equity, and Inclusion



Pursuit of Diversity,
Equity, and
Inclusion

PUBLIC OUTREACH

Invest Newark hosts expos throughout the
city for

Certifications for minority and woman
business owners

&

Public Works Contractor Registration Act

CITY
OF **NEWARK**
Mayor Ras J. Baraka

**ATTENTION CERTIFIED !!!
MINORITY (MBE) AND WOMEN (MBE)
CONSTRUCTION CONTRACTORS**



**LEARN MORE ABOUT LEAD SERVICE
REPLACEMENT LINE CONTRACT AND SUPPLY OPPORTUNITIES**

CONTRACT & SUPPLY OPPORTUNITIES AVAILABLE: SUPPLIERS, TRUCKING, PAVING ETC.....

THURSDAY, OCTOBER 3, 2019 - 6PM - 8PM

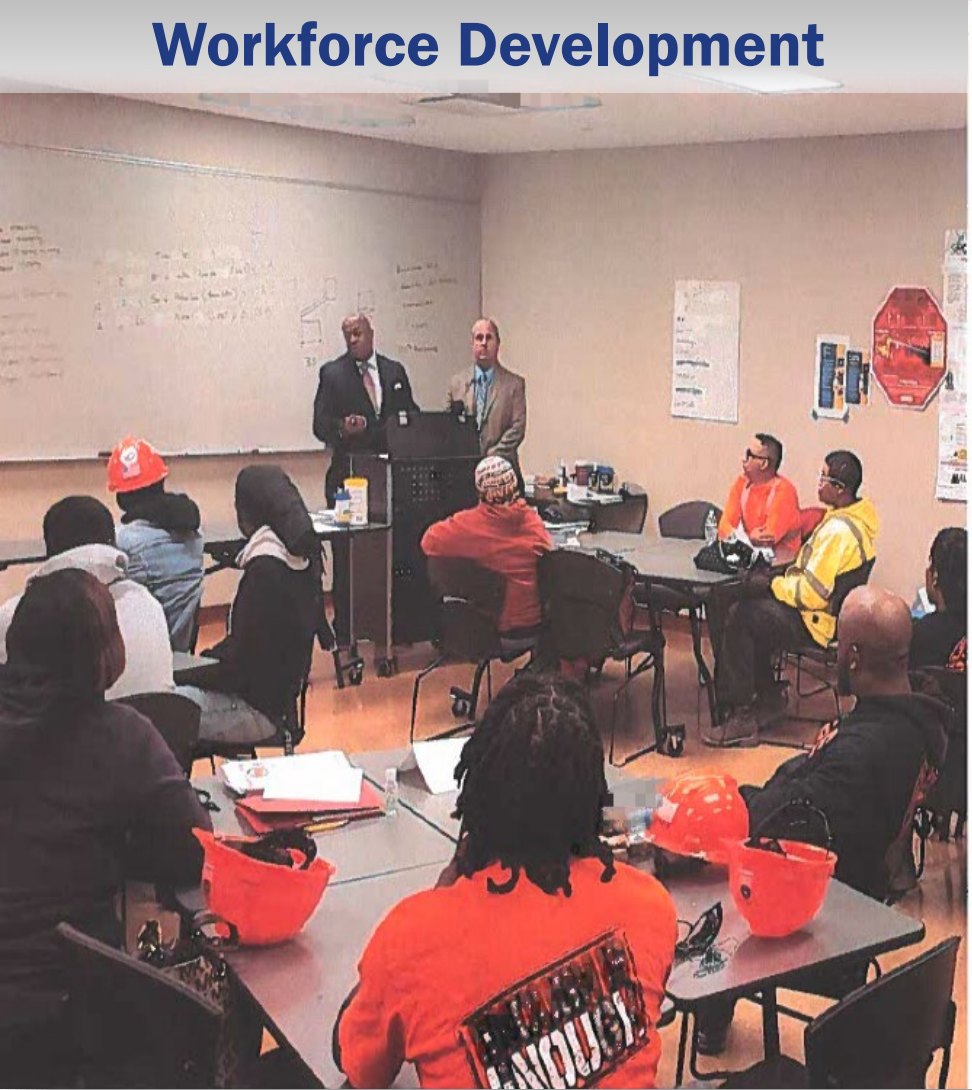


NEWARK CITY HALL PRESS ROOM
920 BROAD STREET NEWARK NJ



Pursuit of Diversity, Equity, and Inclusion

Workforce Development



BACK-OFFICE SUPPORT FOR MBWE



Pursuit of Diversity, Equity, and Inclusion

Economic Opportunity

LSLR Project **19 Contracts Awarded**

Economic

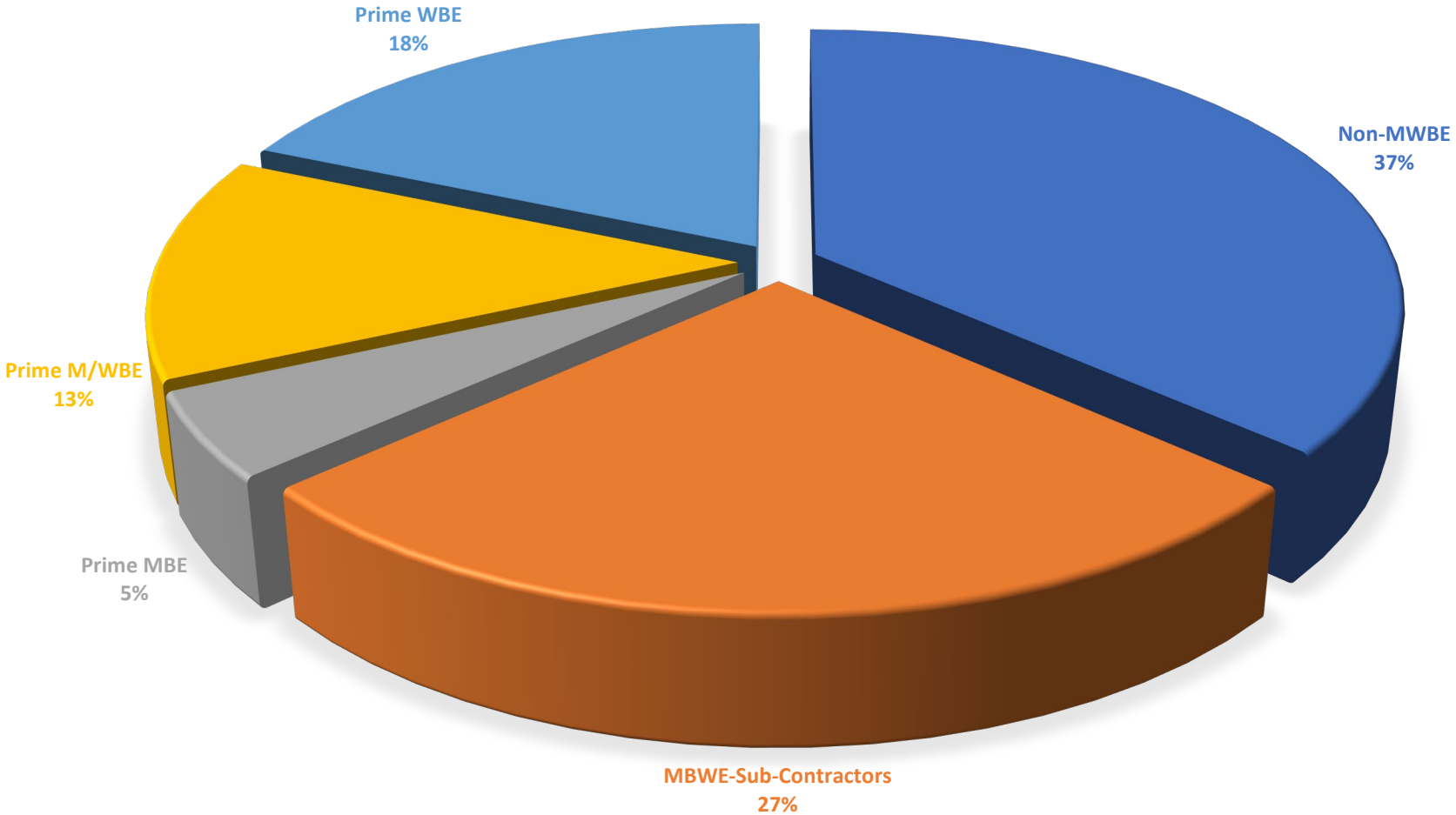
Opportunity **30-month program**

**\$182M in contract awards
(\$156M focus of today)**

\$9.6M average contract

\$124M expended to date

Pursuit of Diversity, Equity, and Inclusion



Pursuit of Diversity, Equity, and Inclusion

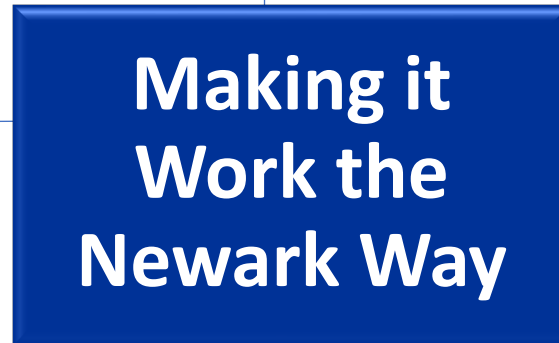
- Training program with local laborer and operator unions
- 67 Newark residents participated in the Apprenticeship Program
- 50 additional direct hires of Newark residents by local contractors
- Investing in the local economy



Other Benefits Resulting From Local Engagement

- Access to home
- Word of mouth to spread acceptance
- Construction workforce represented the community
- Technical Internships at NJIT, Rutgers and Essex County Community College
- Notable Reduction in Crime

Pursuit of Diversity, Equity, and Inclusion



Key Takeaways

**Extensive public outreach
and engagement required**

**Proper management tools
in place**

**Commitment to
aggressively fund and
complete the program**

**Cooperation of all project
stakeholders**

**Treating each home as
individual project**

**Gain public trust in water
supply again**

The only permanent solution: remove lead pipes

? ? ? Q&A ?



ORD 2022-05

**AN ORDINANCE OF THE TOWN OF HACKETTSTOWN
AMENDING CHAPTER 11 (ENTITLED “HEALTH AND SANITATION”) OF THE
TOWN ORDINANCES TO INCLUDE ARTICLE 13 AND ITS RELATED SECTIONS**

WHEREAS, The Town of Hackettstown recognizes that access to clean, safe drinking water is a benefit to the whole community; and

WHEREAS, the several homes in the Town are serviced by lines that contain or may contain lead or other potentially dangerous materials; and

WHEREAS, the Town has determined that all such service lines should be replaced as soon as possible; and

WHEREAS, the Town Council seeks to establish a process by which all such lines will be replaced in the best interest of the public’s health, safety, and welfare.

NOW, THEREFORE, BE IT ORDAINED, by the Mayor and Common Council of the Town of Hackettstown, County of Warren, State of New Jersey, as follows:

Section One: Chapter 11 of the Town Code, entitled “Health and Sanitation” is hereby amended by the addition of Article 13 entitled “Mandatory Replacement of Lead Service Line”

Section Two: Chapter 11, Article 13 of the Town Code is hereby amended to include Section 1 “Definitions” so that it shall read:

11-13.1 Definitions:

For the purposes of this Chapter:

TOWN Shall mean the Town of Hackettstown.

CONTRACTOR Shall mean a licensed vendor that contracts with the Hackettstown Municipal Utilities Authority to replace lead service lines.

AUTHORITY Shall mean the Hackettstown Municipal Utilities Authority.

DWELLING Shall mean a building or structure or part thereof containing one or more dwelling units. This chapter shall also apply to buildings and structures that are not used for residential purposes.

DWELLING UNIT Shall mean any room or groups of rooms or any part thereof located within a building and forming a single habitable unit with facilities which are used or designed to be used for living, sleeping, cooking, eating or bathing.

LEAD SAFE Shall mean any condition that does not allow access or exposure to lead, in any form, to the extent that adverse human health effects are possible.

LEAD SERVICE LINE Shall mean the water line of lead or galvanized steel construction on private property that leads to the structure or building that is connected to the main Hackettstown Municipal Utilities Authority water line.

OCCUPANT Shall mean a person or persons occupying and/or living in the building or dwelling unit.

OWNER Shall mean any person who has legal title to any dwelling, with or without accompanying actual possession thereof; or, who has equitable title and is either in actual possession or collects rents therefrom; or, who is executor, executrix, trustee, guardian, or receiver of the estate of the owner, or as mortgagee or as vendee in possession either by virtue of a Court order or by agreement or voluntary surrender of the premises by the person holding the legal title, or as collector of rents has charge, care or control of any dwelling or rooming house.

Section Three: Chapter 11, Article 13 of the Town Code is hereby amended to include Section 2 “Lead Service Lines Prohibited” so that it shall read:

11-13.2 Lead Service Lines Prohibited

It is hereby established that the existence of lead service lines is prohibited in the Town of Hackettstown.

Section Four: Chapter 11, Article 13 of the Town Code is hereby amended to include Section 3. “Exclusion from Requirement; Proof Required.” so that it shall read:

11-13.3. Exclusion from Requirement; Proof Required.

A property owner may be excluded from the Mandatory Replacement of its lead service line by providing the Authority, within 90 days of the effective date of this ordinance, with written proof from a licensed and certified plumber that it does not have a lead service line on its property and/or that the lead service line was previously removed and replaced. Alternatively, the property owner may schedule an inspection by an Authority representative to confirm the service line material is non-lead or non-galvanized.

Section Five: Chapter 11, Article 13 of the Town Code is hereby amended to include Section 4. “Mandatory Replacement of Lead Service Line” so that it shall read:

11-13.4 Mandatory Replacement of Lead Service Line

1. The owner of any dwelling, building or structure serviced by a lead service line is required to replace the lead service line on their property. The replacement of the lead service line must be completed within 90 days of the effective date of this ordinance.

An extension of time may be granted where the owner can demonstrate, to the Hackettstown Municipal Utilities Authority, that a good faith effort has been made to comply with the ordinance.

2. The owner of the dwelling, building or structure shall replace their lead service line by any of the following methods:
 - a. Signing up for the Lead Service Line Replacement Program offered by the Hackettstown Municipal Utilities Authority and allowing contractors to access on their property to conduct the replacement. The Contractor will provide the owner with a Right of Entry form for completion. The Right of Entry form will provide the contractor with access to the property to verify the existence of a lead service line; or
 - b. Replacing the lead service line on their own and at their own expense. If an owner selects this option, then replacement must be completed within 90 days of effective date of this ordinance. An extension of time may be granted where the owner can demonstrate, to the Hackettstown Municipal Utilities Authority designee, that a good faith effort has been made to comply with the ordinance. An owner is required to provide the Hackettstown Municipal Utilities Authority with proof that the lead service line has been replaced. Proof must include at a minimum: a permit issued by the Town of Hackettstown to a licensed plumber authorized to do the work; an invoice from the contractor who completed the work; a copy of the estimate along with any report of the work completed, and an inspection report from the Town of Hackettstown or the Hackettstown Municipal Utilities Authority verifying the removal.

Section Six: Chapter 11, Article 13 of the Town Code is hereby amended to include Section 5. “Authorization to Access Property” so that it shall read:

11-13.5 Authorization to Access Property

Notwithstanding Section 11-13.4, if an owner of the dwelling, building or structure does not sign up for the Lead Service Line Replacement Program or does not replace its lead service line within 90 days of the effective date of this ordinance (or within the time frame provided in an extension) or is inaccessible or otherwise denies access to the property to enable the replacement of the line, then the following procedure shall be followed:

1. The Hackettstown Municipal Utilities Authority shall secure entrance to the property from the owner or current occupant of the dwelling, building or structure, and the Authority shall incur no liability from the owner. The contractor will provide the owner with a Right of Entry form for completion. The Right of Entry form will provide the Contractor with access to the property to verify the existence of a lead service line and replace the lead service line. The Hackettstown Municipal

Utilities Authority shall restore the property to its original condition, or as close as possible to its original condition; and

2. If access is granted by the occupant of the dwelling, building, or structure, then the occupant shall be held harmless, and no liability shall incur to the Hackettstown Municipal Utilities Authority or occupant due to the replacement of the lead service line by the Authority; and
3. If access is denied by the current occupant or owner, then the Hackettstown Municipal Utilities Authority shall commence procedures, including filing a Court action, to conduct the replacement of the lead service line.

Section Seven: Chapter 11, Article 13 of the Town Code is hereby amended to include Section 6. "Penalty" so that it shall read:

11-13.6 Penalty

Violations of this Chapter by any person or corporation shall be punishable by a fine of at least \$250 but not exceeding \$1,000 or by imprisonment for a term not exceeding 90 days or by a period of community service not to exceed 90 days.

Section Eight: If any section, subdivision, paragraph, clause, or provision of this ordinance shall be adjudged invalid, such adjudication shall apply only to such section, subdivision, paragraph, clause, or provision and the remainder of this ordinance shall be deemed valid and effective. All ordinances or parts of ordinances inconsistent with this ordinance are hereby repealed to the extent of such inconsistency.

Section Nine: This ordinance shall become effective upon final passage and publication according to law.

NOTICE

Notice is hereby given that the aforesaid ordinance was introduced at a regular meeting of the Common Council of the Town of Hackettstown, New Jersey, held on April 14, 2022, and that at a regular meeting of the same to be held on May 12, 2022 at the Municipal Building, 215 Stiger Street, Hackettstown, New Jersey, at the hour of 7:00 p.m., the said Common Council will conduct a public hearing and will consider the final passage of said ordinance.

ORD 2022-05

AN ORDINANCE OF THE TOWN OF HACKETTSTOWN AMENDING CHAPTER 11 (ENTITLED “HEALTH AND SANITATION”) OF THE TOWN ORDINANCES TO INCLUDE ARTICLE 13 AND ITS RELATED SECTIONS was the subject of a public hearing and was duly considered at a meeting of the Common Council of the Town of Hackettstown held on May 12, 2022 at the Municipal Building, 215 Stiger Street, Hackettstown, New Jersey, and said Ordinance was thereupon adopted upon final passage.

WILLIAM W. KUSTER, JR.
Town Clerk/Administrator

The above Ordinance is approved this
12th day of May, 2022.

Gerald DiMaio, Jr., Mayor

Name
Street 1
Street 2
City/St/ZIP

Contact us at 908-852-3622 to obtain a translated copy of this notice of your water service line materials or to request assistance in the appropriate language. (N.J.S.A. 58:12A-43). Española translation included.

Re: Galvanized/Lead Service Line Material – Pre Construction Notice
[Property Location], Hackettstown, NJ
Dear resident or property owner of [Property Location]:

As a follow-up to the letter that you received in February 2022, we are writing to advise that Construction on Contract 53W will be commencing in Mid-September. We appreciate your previous assistance in allowing a site investigation to take place on your property to identify existing conditions.

Water service line work will be carried out by Waters and Bugbee, Inc. and their plumbing subcontractor. The work will replace the water service line between the existing curb stop and water meter. Where possible, meters will now be located in exterior meter pits located adjacent to the curb stop.

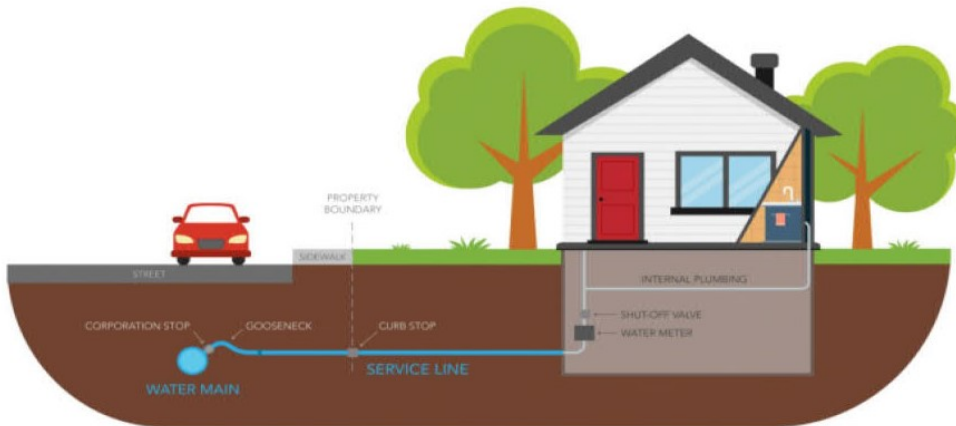


Image from: Lead Service Line Replacement Collaborative (2021)

At this time, we ask that the Owner of the property sign the attached Right of Entry Agreement and return it to the Authority in the provided envelope. This signed agreement will allow the Contractor to contact you and to schedule the work at your property during weekday hours. As noted in the agreement, work will typically occur between 7AM and 6PM, and will result in water being shut off for up to 8 hours. Please note that it is your responsibility to provide reasonable access and a working area for the Contractor at the service line and water meter location as requested by the Contractor. All employees will provide identification upon request and the Contractor shall exercise care and cleanliness when entering buildings and working on your property.

Following the completion of the work on your property, a representative of the HMUA will request an acceptance of the work completed. You will also be provided with a water filter pitcher and 6 months of filters upon completion of the service line work.

Information on the galvanized service line replacement program is available at www.hmua.com. For more information, please contact Bud Volkert at 908-852-3622 or bvolkert@hmua.com

We thank you in advance for your cooperation in this important work.

This notice is being sent to you by the HMUA. State Water System ID#: NJ2108001.



RIGHT OF ENTRY AND RELEASE FOR LEAD SERVICE LINE REPLACEMENT

REASON FOR THE HMUA’S REQUEST FOR A RIGHT OF ENTRY:

Hackettstown Municipal Utilities Authority (HMUA) records reflect that the water service line from the curb stop/valve to your home, may be made of materials containing lead such as galvanized iron/steel. Although the lead service line is owned by you (as the property owner), the HMUA believes that providing clean, lead-free drinking water to its residents is a public purpose beneficial to all. For this reason, on May 12, 2022, the Town of Hackettstown enacted Ordinance No. 2022-05 to implement the mandatory replacement of lead service lines within the Town of Hackettstown.

The HMUA has implemented a **Lead Service Line Replacement Program** where you can choose to have the HMUA fully replace your obsolete lead service line with a non-lead one *at no direct cost to you*. You also have the option to replace the obsolete lead service line at your own cost and expense. Whichever option you choose, under the Ordinance, the lead service line must be replaced.

If you desire to participate in the LEAD SERVICE LINE REPLACEMENT PROGRAM, then you must complete this form per the instructions provided below.

The HMUA’s Contractor and other Representatives will need access to your Property to perform the work associated with the Lead Service Line Replacement (“Replacement Work”). This Replacement Work includes access to the water meter inside your home, and involves: shutting off your water service for approximately eight (8) hours; removing your existing lead service line; replacing the lead service line with a new lead-free service line (from the curb box to your home, and through your basement wall to the existing water meter); connecting the new service line to the HMUA owned line at the curb box; and flushing the new service line. Before beginning work, the HMUA’s Contractor will notify you when they will be on your property to perform the work. It is your responsibility to provide reasonable access and a working area for the Contractor at the service line and water meter location as requested by the Contractor. The Contractor and HMUA Representatives may continue to enter onto your property until construction is completed, and both you and the HMUA accept the work. The HMUA’s Contractor and Representatives will suitably identify themselves prior to entering the property.

RIGHT-OF-ENTRY

I _____ affirm that I am the lawful owner (“Owner”) of the Property, which has the street address of _____ (“Property”), and hereby grant the HMUA contractors, agents, and employees the right to enter and access my Property, so that the HMUA can perform and complete lead service line replacement work on the Property. I authorize the HMUA, its contractors, agents, and employees to: take photographs and videos of the interior and exterior of the Property in the area of the water service line before and after installation; bring workers, material, equipment, and supplies onto the Property, and; utilize the Property for the purpose of performing the work necessary to replace the lead service line.

If you are a tenant, then please provide a copy of this Right of Entry to your landlord to authorize and sign. If your Property is rental property, then please notify your tenant(s) of your participation in the Lead Service Line Replacement Program and the scheduled work.

Pursuant to Town of Hackettstown Ordinance No. 2022-05, the Owner of any dwelling, building or structure shall replace their lead service line by any of the following methods. By indicating your choice below, signing and returning this Right of Entry form you, as the Owner of the Property:

- grant the HMUA, its Representatives and Contractor the right to enter your Property between the hours of 7:00 a.m. and 6:00 p.m. (weekdays) to replace your lead or galvanized iron/steel service line.

OR

- agree to replace your lead service line on your own and at your own expense within 90 days and submit proof of the completed work to the HMUA.

IMPORTANT: You agree and understand that the Lead Service Line Replacement Work cannot begin until the HMUA has received this signed Right of Entry.

It is the HMUA's policy and standard contract provision to require the Contractor to restore your Property to its preconstruction condition or better.

IN CONSIDERATION OF AND AS A CONDITION TO THE PERFORMANCE OF THE LEAD SERVICE LINE REPLACEMENT, YOU, THE UNDERSIGNED, HEREBY RELEASE AND FOREVER DISCHARGE THE HMUA, ITS EMPLOYEES, AND LEGAL REPRESENTATIVE (COLLECTIVELY THE "HMUA") FROM ALL LIABILITY FOR INJURY, DEATH, DAMAGE, OR LOSS TO PERSONS, REAL PROPERTY, OR PERSONAL PROPERTY IN CONNECTION WITH THE PERFORMANCE OF THE LEAD SERVICE LINE REPLACEMENT. YOU AGREE TO HOLD ONLY THE HMUA'S CONTRACTOR, ACTUALLY PERFORMING THE WORK, RESPONSIBLE TO PAY ANY CLAIM IN CONNECTION TO THIS RIGHT OF ENTRY FOR DAMAGE TO YOUR PROPERTY OR ASSETS ON YOUR PROPERTY.

SIGN BELOW:

Name (Property Owner/Authorized Tenant):

Property Address (Street Number & Street Name):

Signature

Date

Mailing Address (if different from above)

Printed name

Phone Number

Email Address

REQUESTS & CLAIMS:

A. YOUR PRESENCE DURING WORK: Someone must be present while the Replacement Work is being performed, to provide the Contractor with access in the area where your water service line enters your home up to your meter. A signature will also be required accepting the work.

B. CLAIM PROCEDURES: In order to make a claim against the HMUA's Contractor for damage to your Property in connection to the Lead Service Line Replacement Program and this Right of Entry, please call (908)852-3622 and have a copy of this Right-of-Entry form available.

May 15, 2017

Jane Smith
123 Main St
Alpha, NJ 08865

Subject: Water Service Line Replacement

Dear Ms. Smith,

Since 2009, the Borough of Alpha has been working on a multi-year program to improve the reliability and efficiency of our water system. As we now progress into the final phases of this program, we have identified that the water service pipe that brings water from the main to your home must be replaced because it is galvanized. Installation of galvanized water services was phased out some time in the late 1950's or early 1960's, meaning that your water service is at least 55 years old. Galvanized water services eventually corrode, causing reduced supply pressure, discolored water, and taste and odor problems. When they fail, leaking galvanized service pipes can cause sinkholes and related property damage on your property as well as on adjacent properties.

As explained in Boro Ordinance 403-5, below, maintenance of water service pipes from the curb stop (shutoff valve) to the building is the sole responsibility of the property owner. Property owners can choose to replace their water service in one of the following ways:

- Hire a licensed plumber to perform the work, at the property owner's expense.
- Perform the work themselves.
- Have the service replaced by a contractor hired by the Boro and repay the Boro over (3) three years, at 0% interest. Under the terms of the awarded contract, the Boro *estimates* your cost at approximately \$XXXX.XX, which can be repaid in quarterly installments over (3) three years.

What you must do:

- 1) Decide how you will replace your water service. Property owners are encouraged to contact a licensed plumber and obtain an estimate to assist in the decision making process.
- 2) Complete the attached form and return it to the Boro by Friday, May 26th. You may drop it off at the Municipal Building, mail it, or scan and email to: taxcollector@alphaboronj.org. **If you fail to notify us, we will assume you want our contractor to replace your water service, and we will proceed accordingly.**

Please note: if you notify us that you plan to arrange for your water service replacement yourself, and you fail to complete the work within (90) ninety days, the Boro will replace your service and bill you over (3) three years as explained above. However, we cannot guarantee the cost estimate mentioned above, as this price is for an awarded contract with a “volume discount.” Once the contract is completed and closed, replacement will be done on a “one off” basis, which generally will cost more than \$XXXX-YYYY.

Please also note: If you fail to replace your galvanized water service, and you attempt to sell your home, your non-compliant water service will be noted in a home inspection report by the Boro’s Construction Official, possibly impeding your ability to sell your property.

If you have any questions concerning this program, you are encouraged to attend an informational meeting to be held Tuesday, May 23 at 5:30 PM in Council Chambers. The regularly scheduled Council Meeting will follow promptly at 7 PM.

The Boro recognizes the cost and inconvenience this situation presents and appreciates your cooperation in helping us make your water system more reliable and efficient.

Yours truly,

Borough of Alpha Water & Sewer Utility

Chapter 403. Water and Sewers

Part I. Water Regulations

Article I. Rules; Rates

§ 403-5. Maintenance of pipes and fixtures; notice to repair or replace.

[Amended 11-8-2012 by Ord. No. 12-13]

- A. All persons using water shall keep their pipes and fixtures within their premises, together with the service pipe to the curb stop, in good repair and protect the same from frost at their own expense. If the owner of any premises shall neglect or refuse to repair a leak within three days, exclusive of Sundays and legal holidays, after receipt of written notice from the Director directing such repairs, the water supply for such premises shall be shut off at the main or at the curb, and service shall not be resumed for such premises until after all repairs ordered have been made and the fee, as set forth in § 403-21B, has been paid.
- B. Additionally, the Borough shall have the right to replace a consumer's service line from the curb stop to the water meter, or any portion thereof, and bill him/her according to the fee schedule set forth in § 403-21B, under any of the following circumstances:
 - (1) The service pipe is constructed of a material not listed in § 403-23.
 - (2) The service pipe is declared unreliable by the Director due to prior adverse experience.
 - (3) The curb stop is deemed unserviceable due to its location.
 - (4) The service pipe, due to its age and material of construction, fails during system maintenance.
- C. In all cases, except in Subsection B(4) above, the consumer will be provided with at least seven calendar days' advanced notice to choose a qualified professional and replace his/her service line himself or herself. It shall be incumbent upon the consumer to notify the Borough within the seven-calendar-day period of his/her selection of a qualified professional to replace his/her service line himself or herself. If notice is not timely made, the Borough may proceed as referenced above.

Agreement
Water Service Replacement

Address: 306 1st Avenue Alpha, NJ 08865
Owner(s) of Record: Christopher Rickenbrode

I/We, the undersigned, voluntarily agree – as indicated by checking the appropriate line and initialing next to the line – to the following:

_____ I/We agree to allow the Borough of Alpha to replace my/our water service from the water curb stop to the water meter on my/our property, including all associated appurtenances for the contract price of \$1000, plus restoration costs estimated at \$200 per Borough Code, including § 403-5(B). I understand that the Borough's contractor(s) will take photos or video and make every attempt to restore the property to its pre-construction condition, but same cannot be guaranteed. Restoration may include concrete work, macadam work, sidewalks, plantings, flowerbeds, decorative vegetation, etc. All interior plumbing work will be performed by a licensed plumber in accordance with all applicable plumbing codes. All permitting fees will be waived.

I/We further understand that I/we shall have up to three years from the time of completion to repay the Borough in full by having same accomplished in 12 equal quarterly installments through my/our utility account and billing, without interest accruing. I/We understand and take full financial responsibility for this work, and further I/we understand that should there be a change in the law or policy we would be responsible for the entire outstanding amount, nonetheless, at the point of change. Likewise, should I/we transfer the property or any interest therein or have ownership interest altered, the entire outstanding balance is payable at the time of change in interest.

OR

_____ I/We waive my/our rights under § 403-5(B), and I/we will have my/our water service replaced from curb stop to water meter at my/our own expense and hold the Borough harmless from any and all claims. I/We further understand that I/we must complete said water service work in 90 days of the date hereof. I/We agree to provide the Borough with the following:

Contractor Name: _____

Address: _____

Phone Number: _____ Contact Person: _____

I/We also understand that I/we must pay the plumbing permit fee, presently, \$65.00, plus additional state permitting fees. If the water service replacement work is not completed within 90 days as stated herein, the Borough has the right to perform said work and bill over three (3) years in equal quarterly installments, but the Borough cannot guarantee the price as indicated above under the first option.

Dated: _____

Signature

Printed

Agreement
Water Service Replacement

Address: 123 Main St Alpha, NJ 08865 AKA Block XX, Lot YY
Property Owner(s) of Record: Jane Smith

I, the undersigned, voluntarily agree – as indicated by checking the appropriate line and initialing next to the line – to the following:

_____ I agree to allow the Borough of Alpha to replace my water service from the water curb stop to the water meter on my property, including all associated appurtenances for the contract price of \$2800 per Borough Code § 403-5(B). I understand that the Borough's contractor(s) will take photos or video and make every attempt to restore the property to its pre-construction condition, but same cannot be guaranteed. Restoration specifically includes concrete work, macadam work, and sidewalks; plantings, flowerbeds, and decorative vegetation will be restored as completely as is practical. All interior plumbing work will be performed by a licensed plumber in accordance with all applicable plumbing codes. All permitting fees will be waived.

I/We further understand that I/we shall have up to three years from the time of completion to repay the Borough in full by having same accomplished in 12 equal quarterly installments through my/our utility account and billing, without interest accruing. I/We understand and take full financial responsibility for this work, and further I/we understand that should there be a change in the law or policy we would be responsible for the entire outstanding amount, nonetheless, at the point of change. Likewise, should I/we transfer the property or any interest therein or have ownership interest altered, the entire outstanding balance is payable at the time of change in interest.

OR

_____ I/We waive my/our rights under § 403-5(B), and I/we will have my/our water service replaced from curb stop to water meter at my/our own expense and hold the Borough harmless from any and all claims. I/We further understand that I/we must complete said water service work in 90 days of the date hereof. I/We agree to provide the Borough with the following:

Contractor Name: _____

Address: _____

Phone Number: _____ Contact Person: _____

I/We also understand that I/we must pay the plumbing permit fee, presently, \$65.00, plus additional state permitting fees. If the water service replacement work is not completed within 90 days as stated herein, the Borough has the right to perform said work and bill over three (3) years in equal quarterly installments, but the Borough cannot guarantee the price as indicated above under the first option.

Date

Signature

Phone

Printed