

# City of Newton DPW-Utilities Division Lead Service Replacement Program (LSRP) Update



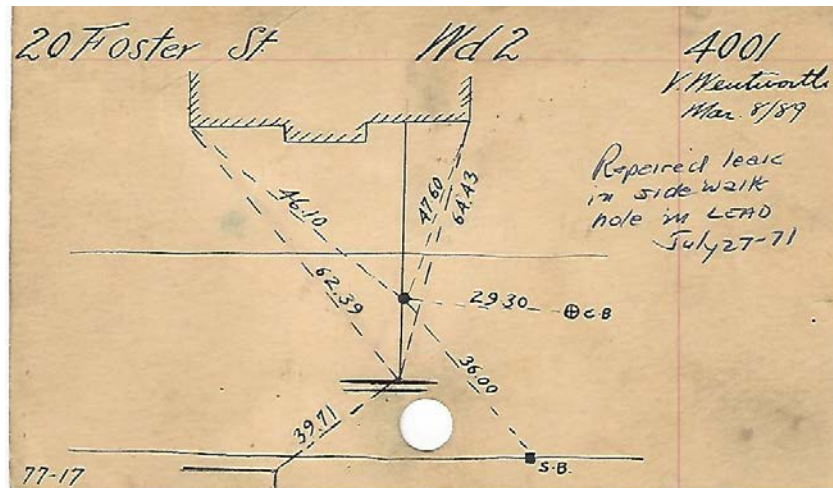
## Objective of the LSRP

To investigate all city's records to determine locations of suspected lead water services and develop plans and bid specifications to replace them.



# Types of Records Investigated

- Existing water service tie cards (+/-22,000)

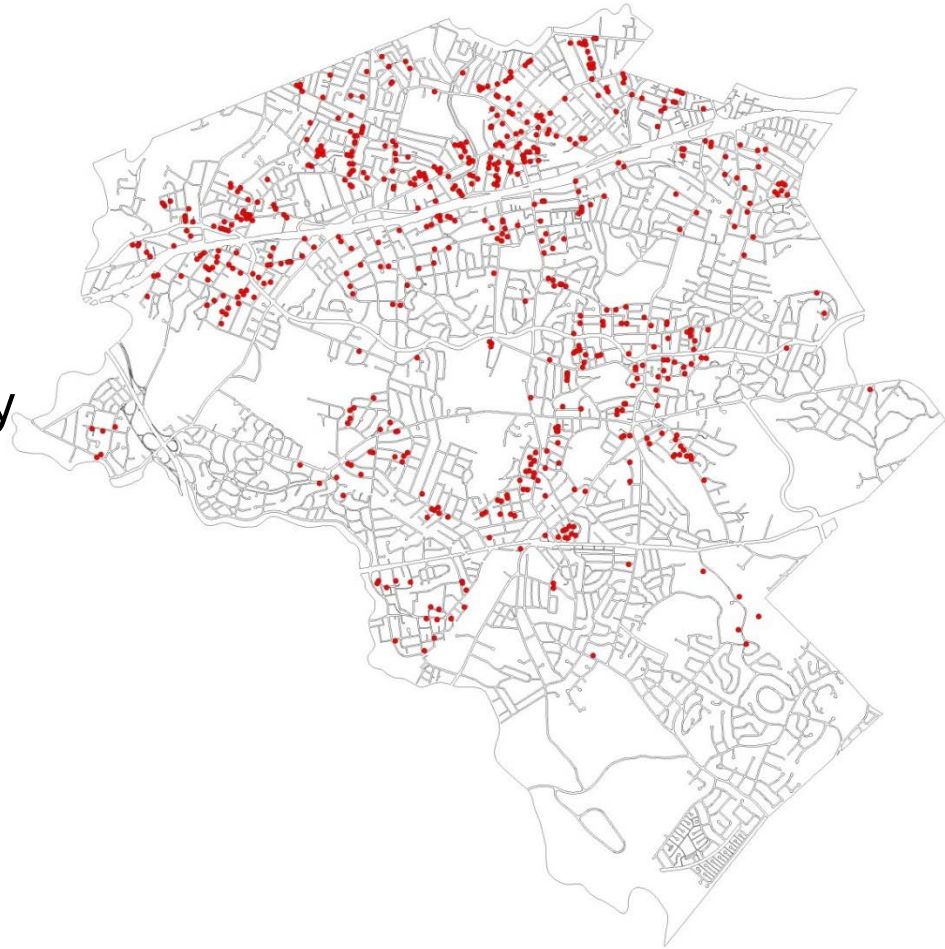


- Engineering Department Water Main Improvement Program
- HANSEN Asset Management Reports



# Location of Suspected Lead Water Services

- 266 services to be replaced-property only
- 4 services to be replaced-street only
- 318 services to be completely replaced
- 588 properties impacted by the LSRP



## Work Completed to Date

- Right of Entry forms sent (78% returned)
- Utilities personnel marked out water service lines
- T&H took photographs and estimated quantities and costs
- Developed plans and bid specifications
- Developed cost estimate based on field measurements
  - service pipe lengths,
  - Pavement
  - sidewalk and curb
  - length of front yard
  - jackhammering and coring into basement



## Work Completed to Date

- Bid Results
  - Five bids received
  - Bids ranged from \$3.4 million - \$5.4 million
  - Awarded to CJP & Sons Construction Co., Inc.



# Optional Payment Plan

- Property owners may pay for replacement in installments
- Ten year period at zero percent interest
- Payment is for replacement from property line to meter



## Project Specifics

- Trenchless methods required if conditions allow
- Homeowner responsible for restoration on private property
- Contractor responsible for loam and seed and/or driveway/pavement trench restoration only
- Contractor responsible for restoring disturbed areas beyond limit of work
- Finished basements to be repaired by the homeowner
- Contractor to minimize disturbance to the basement





## Response from Public

- Certified letters instructed to call T&H to confirm interest
- 588 certified letters sent
  - 292 residents responded yes
  - 21 residents responded no
  - 48% response
- Majority of homeowners are very excited about project



# Photographs



## Costs

- **Minimum Service Replacement Cost\***
  - \$1,000
- **Average Service Replacement Cost\***
  - \$2,855
- **Maximum Service Replacement Cost\***
  - \$9,800

\*All above listed replacement costs are estimated using bid prices



## Where do we go from here?

- Pre-construction meeting took place mid-June
- Begin construction after second week in July
- Schedule inspections with homeowners to determine final cost and complete a pre-construction inspection report
- Services to be replaced by Ward
- Construction will begin in Wards with most responses



# Construction Schedule

- July 2017 – Begin Construction
- October 2017 – Construction 50% Complete
- April 2018 – Construction 100% Complete
- July 2018 – Punch List Items and Final Payment



**Questions?**

