



# Proposed Lead Service Line Replacement Project

Town of Lexington, MA



# Project Objective

- Remove all the lead pipe from the Lexington Water System.

# Project Need

- The main driver is the revision to the existing Lead & Copper Rule.
- Lexington is taking a proactive approach to the new regulations
  - EPA's Lead and Copper Rule Revisions require a complete Water System Inventory by October 2024
- Lexington is pursuing an interest-free loan through the Massachusetts Water Resource Authority (MWRA)'s Lead Loan Program (LLP).



# Public Understanding

- THERE IS NO CURRENT HEALTH RISK OF LEAD IN THE TOWN'S WATER.
- The Town's longstanding corrosion control measures prevent lead dissolution from the pipes into the drinking water.
- No changes are proposed to the Town's existing corrosion control measures.
- The project will replace the lead pipe from the water main to the building.

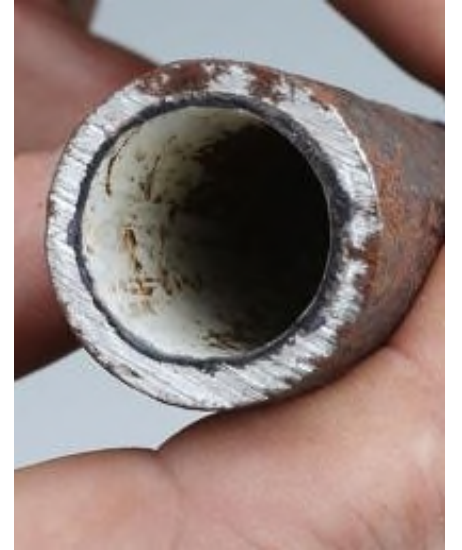
# Sources of Lead in Water Systems



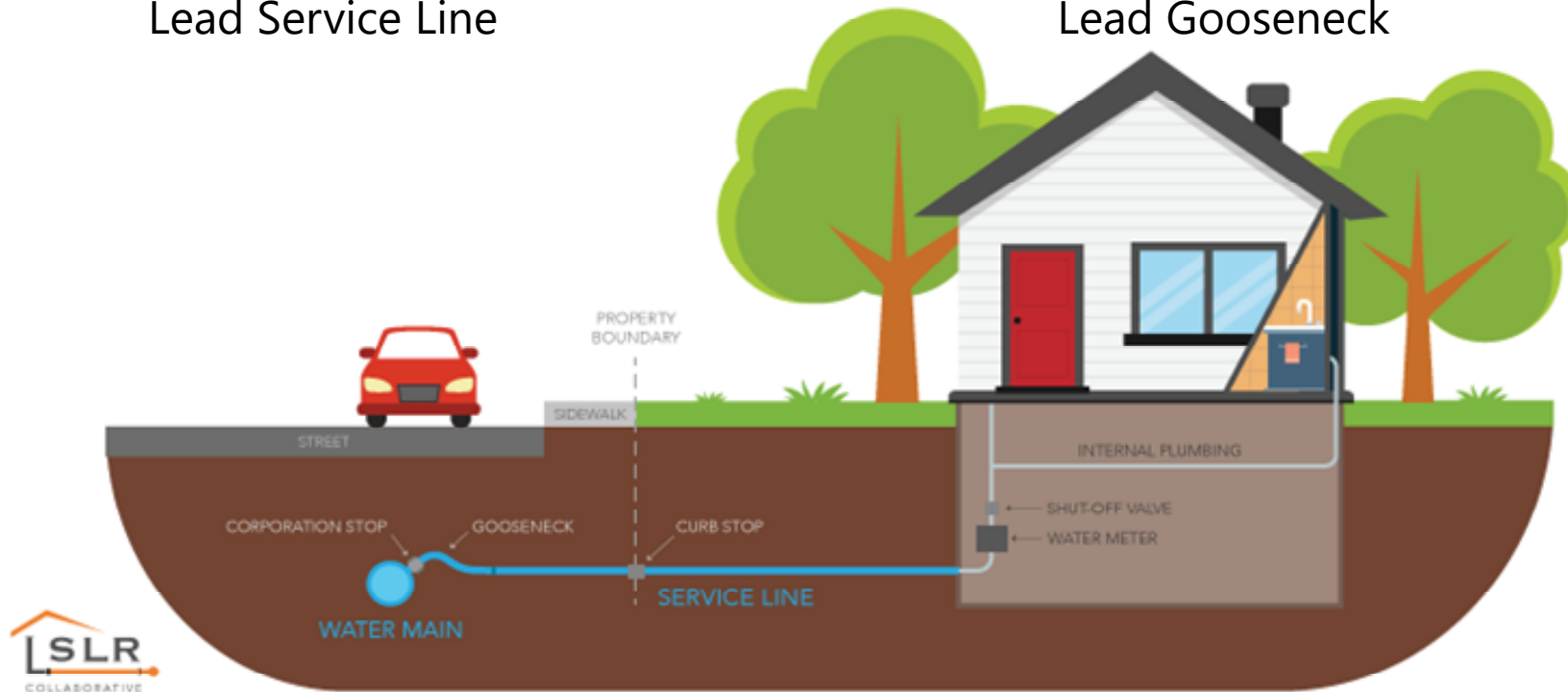
Lead Service Line



Lead Gooseneck



Lead-Lined Iron Service Line



# Project Phases

- Phase 0 – MWRA Loan Application
  - Current Phase
- Phase 1 – Inventory
  - Review Tie Cards, GIS Database, Record Drawings
- Phase 2 – Public Outreach
  - Reach out to residents, ensure effective communication throughout the project.
- Phase 3 – Prepare Contract Documents
  - Prepare documents for public bidding (MA Chapter 30)
- Phase 4 – Permitting
  - MassDOT, MassDCR, MWRA, Lexington Conservation Commission
- Phase 5 – Bidding
  - Public Bidding Process under Massachusetts General Laws (Chapter 30)
- Phase 6 – Construction
  - Contractor completes the service replacements



# Schedule

Schedule	2022			2023												2024							
	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug
MWRA LLP Loan Application															Winter Shutdown								
LSL Inventory																							
Public Outreach																							
Prepare Contract Documents																							
Permitting																							
Bidding																							
Construction																							



# Proposal & Deliverables

- The Department of Public Works requests Select Board approval of an interest-free loan through the MWRA Lead Loan Program (LLP) for the complete design and construction cost of \$4,209,580.00.
  - Cost includes Engineering, Construction, and 15% construction contingency.
  - Replacement of 300 known lead, or lead-lined, services throughout Town.
  - Complete inventory of all water services throughout Town.
  - Ensures continued compliance with the US EPA Lead & Copper Rule.



Q&A

# THANK YOU

