



Lead Service Line Replacement Plan

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0234803.04

**City of Hillsboro,
Illinois**

April 2026

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1. INTRODUCTION

The City of Hillsboro, IL (City), located in Montgomery County, is submitting its second draft of the Lead Service Line Replacement (LSLR) Plan outlining the City's approach to replacing all lead and galvanized service lines within the City's service area. Replacement of lead and galvanized service lines is necessary to improve the health and safety of the City's residents and is required by the Illinois Lead Service Line Replacement and Notification Act (the Act), codified as 415 ILCS 5/17.12. This act requires the submission of a draft LSLR Plan yearly on April 15 from 2024 through 2027 to the Illinois Environmental Protection Agency (IEPA). The final draft of the LSLR Plan is due April 15, 2027. Following the final submission, the City will continue to submit an updated plan annually until all lead service lines (LSLs) are replaced. Illinois also regulates lead service line replacements and inventorying through the IL Administrative Code, Title 35 Part 611 (the Code). The Code references the newly published Lead and Copper Rule Improvements (LCRI) issued by the Federal Environmental Protection Agency, codified as 40 CFR Parts 141 and 142.

1.1 Background

The City of Hillsboro owns and operates a public, community water system that provides water to approximately 5,901 people. It operates under the Water System Name and Number: Hillsboro, IL1350300. The system includes: the Water Treatment Plant, distribution system piping, two (2) surface water reservoirs, one (1) elevated storage tank, one (1) standpipe storage tank, one (1) ground storage tank, and one (1) booster pumping station.

1.1.1 Makeup of Customer Base

The current customer base consists of 2,107 active meters which includes industrial, commercial, and residential users. Of these users, the City has identified 22 high-risk facilities that are detailed further in Section 2.2.1. Since 2020, records show that the City has replaced at least 109 lead services lines.

2. LEAD SERVICE LINE REPLACEMENT PLAN

2.1 Existing Service Line Inventory

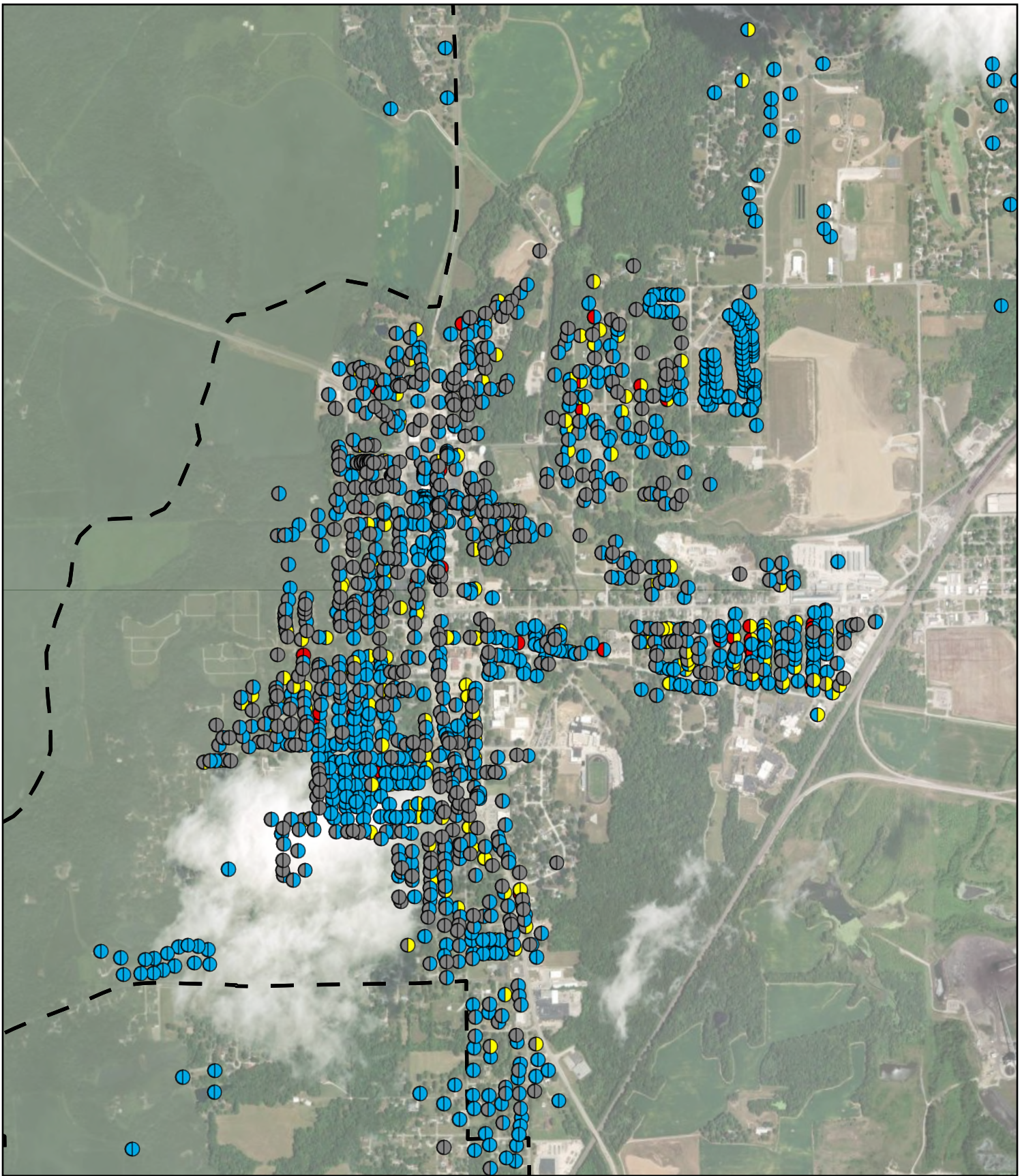
The City has compiled a Lead Service Line Inventory (LSLI), to the best extent possible utilizing local construction records, historical knowledge, public outreach, and/or visual inspections. The material classification for both the private and public side of the service connection is quantified in Table 2-1 below. A high number of unknown service line materials remain. These will be investigated via potholing or other approved methods as the City continues the replacement of service lines. These numbers will continue to be updated as more information becomes available. Of the 2,107 active service connections, the City will be required to investigate, verify, and accordingly replace 967 total connections. This includes public-side only, private-side only, and full replacements, dependent on material. **Figure 2-1** provides a map showing the current LSLI.

TABLE 2-1: SERVICE LINE MATERIAL CLASSIFICATION

Service Line Material	Private Side Quantity	Public Side Quantity
Copper	571	391
Plastic	484	441
Unknown, Not Lead	588	376
Cast / Ductile Iron or Transite	4	7
Total Not Requiring Replacement	1,647	1,215
Lead	11	44
Galvanized	198	18
Unknown	251	830
Total Requiring Replacement	460	892

FIGURE 2-1: CURRENT LEAD SERVICE LINE INVENTORY MAP

Figure Exposed: 3/24/2026 By: John Boschek Using: \woodardcurran.net\shared\Projects\IL_Hillsboro\0234803_04_LSL_Replacement\FY26\wip\GIS\Hillsboro_IL_LSI_R.aprx Layout: Hillsboro_LSI_Inventory



Lead Service Line Inventory

Hillsboro, IL

Legend

- Lead | Lead
- Lead | Galvanized Requiring Replacement
- Lead | Non-Lead
- Galvanized Requiring Replacement | Galvanized Requiring Replacement
- Galvanized Requiring Replacement | Non-Lead
- Non-Lead | Lead
- Non-Lead | Galvanized Requiring Replacement
- Non-Lead | Non-Lead
- Non-Lead | Unknown
- Unknown | Lead
- Unknown | Galvanized Requiring Replacement
- Unknown | Non-Lead
- Unknown | Unknown
- Census Tracts

0 0.07 0.15 0.3 Miles



Woodard & Curran

Project #: 0234803.04
Map Created: January 2026

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2.2 Long-term Plans and Goals

Based on the current stage of the LSLI, the City has identified a long-term plan to replace all lead and galvanized service lines within the service area. The total number of service lines requiring investigation and/or replacement is 967. This number is expected to decrease as current “unknown” lines are investigated and classified appropriately. Based on regulations in the LCRI, the City must replace all lines by 2037. The City hopes to maximize the number of replacements in Fiscal Year (FY) 2026 and plans to replace approximately 238 service lines while funding is still available via the Public Water Supply Loan Program through the IEPA. Assuming this happens, the yearly replacement rate after FY 2026 will be approximately 68 service lines per year.

2.2.1 Prioritization of High-Risk Facilities

High-risk facilities are facilities that have the greatest risk associated with its occupants drinking lead-contaminated water due to known health risks; the greatest risk being to young children and pregnant women. High-risk facilities, according to the Act, include the following: preschools, day care centers, day care homes, group day care homes, parks, playgrounds, hospitals, and clinics, as well as high-risk areas identified by the City. These facilities will be prioritized when service line inventory investigation and replacements begin. As part of the public outreach, the City will ask any and all high risk facilities, namely day care homes, to identify themselves and provide their address so that they can be added to the priority list.

The City has identified the following 22 addresses as high-risk facilities. There are three (3) that will require service line investigations and potential replacements; these facilities are planned to be investigated and replaced as needed in 2026 and are **bolded** in the list below.

- Beckemeyer Elementary (1035 Seymour Avenue)
- Hillsboro Area Hospital Temporary Clinic (1106 E Tremont)
- Hillsboro Area Hospital Campus (1108 E Tremont)
- Hillsboro Area Hospital (1200 E Tremont St)
- Hillsboro Area Hospital Campus (1201 E Tremont St)
- **Hillsboro Area Hospital Campus (1203 E Tremont St)**
- Hillsboro Specialty Clinic (1204 E Tremont St)
- Hillsboro Health Fitness and Aquatics (1210 E Tremont St)
- Hillsboro Community Child Development Center (1220 E Tremont St)
- Melody Schniepp Family Practice (1250 E Tremont St)
- Heartland Home Care (1260 E Tremont St)
- Springfield Clinic Hillsboro West (1280 E Tremont St)
- Tutera Senior Living (1300 E Tremont St)
- Montgomery County Jail (140 N Main St)
- Hillsboro Free Methodist Church (1400 Seymour Ave)
- **Home Day Care (1445 Vandalia Rd)**
- **Home Day Care (1805 Adams St)**
- Hillsboro High School (522 East Tremont)
- Home Day Care (630 Parkside St)
- Tremont Ridge Assisted Living (801 E Tremont St)

- Hillsboro Junior High School (909 Rountree St)
- Graham Correctional Facility (12078 State Route 185)

2.2.2 Year One Replacement Summary

Year one of the lead service line replacement efforts began in 2024. During this phase, the City prioritized all lines outside its main census tract and targeted suspected LSLs within the census tract. The City has replaced 74 service lines during phase one. Several service lines were investigated and identified as materials not requiring replacement. This allowed the City to conduct additional investigations and replacements to surpass the phase’s original goal. A total of 277 addresses were investigated; details are provided below in **Table 2-2**.

TABLE 2-2: PHASE 1 INVESTIGATION & REPLACEMENT RESULTS

Service Line Material	Quantity
Inspected – replacement not required	145
Inspected – replacement required	132
Total Inspected	277

2.2.3 Year Two Replacement Summary

Year two of the lead service line replacement efforts began in August 2025 and continue into 2026. During this phase, the City prioritized addresses in the City center in order to complete underground utility work prior to road construction in the area. A total of 155 addresses were investigated and replaced as needed; details are provided below in **Table 2-3**.

TABLE 2-3: PHASE 2 INVESTIGATION & REPLACEMENT RESULTS

Service Line Material	Quantity
Inspected – replacement not required	92
Inspected – required private-side only or public-side only replacement	29
Inspected – required full replacement of private-side and public-side	34

2.2.4 Year Three Replacement Plan and Schedule

Phase three plans to replace approximately 238 service lines, funding dependent, to reduce the number of required service line replacements for the following years. Any remaining high-risk facilities as well as addresses along state roads will be prioritized during phase three of investigation and replacement. Once high-risk facilities, state-road addresses, and known lead and galvanized lines (excluding lead and copper sampling sites) are addressed, investigation and subsequent replacement of unknown service lines within the main census tract will take place. A map showing phase three can be found in Appendix A.

2.2.5 Year Four – Seven Replacement Plan and Schedule

Phases four through seven will continue to focus on the investigation and/or replacement of 68 service lines (per phase) with unknown material classifications throughout the eastern half of the City. A map showing the planned replacements for phases four through thirteen can be found in Appendix B. As the City investigates service lines of unknown material, replacement regions will be prioritized based on suspected regions with lead or galvanized service lines. This will be influenced by the findings throughout the prior phases.

2.2.6 Year Eight – Thirteen Replacement Plan and Schedule

Phases eight through thirteen will continue with material investigations and the replacement of a minimum of 68 service lines of currently unknown materials in the remaining western regions of the City. These are shown in Appendix B. The replacement regions will be prioritized based on locations with a higher number of anticipated lead or galvanized service lines.

2.2.7 Year Fourteen Replacement Plan and Schedule

Phase 14 will replace the final remaining addresses with unknown materials and all of the known-lead service lines that are a part of the City's Lead and Copper (L&C) sample sites. Phase 14 is shown in Appendix C. As unknown service connections are investigated, it is likely that many will be a material not requiring replacement, thus reducing the total number of assumed lead lines. This could shorten the period of time needed to complete service line replacements within the City's service area, potentially eliminating the need for at least Phase 14.

2.2.8 Anticipated Lead Service Line Locations

As discussed in the above sections, several service lines of unknown material remain on the City's inventory. Investigations will be completed in unison with the replacement efforts. Service line replacements will first prioritize known lead or galvanized requiring replacement, followed by the unknown material service lines. These unknown lines will be sequenced for replacement based on the anticipated number of lead or galvanized lines in the area. This is determined by reviewing surrounding known service line materials, and the dates of construction, if known. Phases four through seven identified on the map in Appendix B are the regions with a higher number of anticipated lead and galvanized service lines.

2.3 Inventory Procedure

Lead status unknown lines will be investigated via visual inspection at the water meter or curb stop, and / or inside the home. Potholing will be used to inspect the material at the main, meter, or curb stop. In most cases, this inspection process will happen concurrently with the lead service line replacement construction process. Unknown lines that are identified as non-lead during investigation will be updated accordingly in the inventory and will not be replaced. If an unknown line is identified as lead or galvanized, it will be replaced during that phase of construction. The City plans to primarily hire contractors to complete this work.

In the event that any lead gooseneck, pigtail, or connector is encountered during investigations or other water system infrastructure work, the City will replace all portions of lead or galvanized on that service line.

2.4 Lead Service Line Replacement Procedure

Lead service lines will be replaced in full. No partial service line replacements will occur. This will be executed by following the procedure detailed below and summarized in Figure 2-2. The City plans to hire contractors to complete lead service line replacements.

Customers will be notified at least 45 days in advance of replacement and provided with a Consent Form to be completed by the Customer to allow the replacement of the service line. Customers will then be notified again 15 days in advance of the replacement detailing the work and its potential effects. The City (or its Contractor) will confirm the appointment date with the Customer.

On the day of replacement, the City or its Contractor will confirm the pipe material at two locations including: inside the home at the foundation wall, and the water meter or curb stop (extending two feet towards the main along the service) to verify existing service line materials. If lead or galvanized materials are found, the City or Contractor will continue with the service line replacement.

For all public service replacements, a new corporation stop will be installed. At the discretion of the City, service replacements with an existing curb stop will include the installation of a meter pit rather than a replacement curb stop. The existing service will be replaced with new polyethylene piping in the same location as the existing service. The existing service is to be removed and disposed of.

The City or Contractor will connect the new water service to the existing service or interior plumbing equipment 18 inches beyond the interior building foundation wall or to the first shut-off valve (whichever is shorter) and will install a new angle ball meter valve between the foundation wall and the connection to existing plumbing.

Following the replacement of a service line, the Customer will be provided with a flushing protocol, pitcher filter and replacement cartridges, and a notification that the City will offer sampling at 3 to 6 months post-replacement.

At 3-months post replacement, the City will send notice to customers offering access to post-replacement sampling kits to analyze for the presence of lead. The City will provide sampling results to the Customer once received.

The 15-day notification letter, flushing protocol, pitcher filter notification, and sampling notification are included in Appendix D.

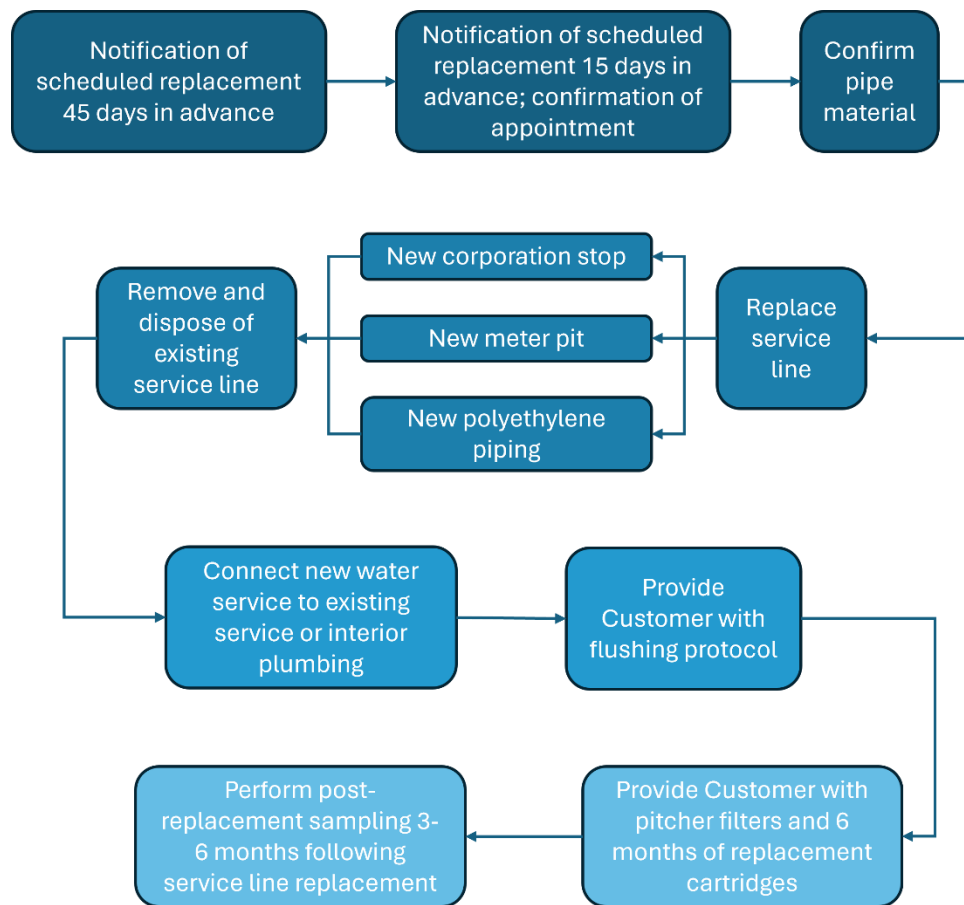


FIGURE 2-2: SERVICE LINE REPLACEMENT PROCEDURE

2.5 Public Outreach

The City will publish this updated LSLR Plan along with the updated LSLI on the City’s website on April 15, 2026. The announcement will include information on a public comment period including how to comment, the deadline for comments, and the date of a city council meeting where the comments will be addressed (date to be determined by the City at a later time). A similar informational advertisement will be published in the local newspaper to notify citizens where to find the LSLR and LSLI online. Additionally, in the Fall / Winter of 2023, public outreach letters were mailed to all residents with service lines of unknown material requesting that they either self-classify their service line material (using the guide provided) or request for a member of the water department to investigate the line.

Following the submission of this report and the updated LSLI, the City will send out notices to each address that has a known lead, galvanized, or unknown line, per the requirements in the Code, Part 611.355.e.2.

2.6 Good Faith Effort

In order to encourage diversity in hiring, the City will make a good faith effort to hire contractors and vendors owned by minority persons, women, and persons with a disability for no less than 20% of the total contracts following Section 2 of the Business Enterprise for Minorities, Women, and Persons with Disabilities Act. This 20% of contracts is split among the groups as follows: 11% awarded to minority-owned businesses, 7% awarded to women-owned businesses, and 2% awarded to businesses owned by persons with a disability. Following subsection (n) of the Act, the City will take the following steps to make a good faith effort.

1. When economically feasible, the City will divide projects into contracts of smaller size to allow small business contractors and vendors to have the ability to qualify in the applicable bidding process.
2. The City will solicit through reasonable and available means the interest of businesses that have the capability to perform the work of the contract with sufficient time to allow certified businesses to respond.
3. The City will provide interested certified businesses with adequate information about the plans, specifications, and requirements of the contract, including addenda, in a timely manner to assist them in responding to the solicitation.
4. The City will meet in good faith with interested certified businesses that have submitted bids.
5. The City will effectively use the services of the State, minority or women community organizations, minority or women contractor groups, local, State, and federal minority or women business assistance offices, and other organizations to provide assistance in the recruitment and placement of the certified businesses.
6. The City will make efforts to use the appropriate forums for purposes of advertising subcontracting opportunities suitable for certified businesses.

3. COSTS & FINANCING

3.1 Cost Estimates

Table 3-1 shows a detailed construction cost estimate for lead service line replacement within the City. For FY 2027, the total construction costs are anticipated to be **\$918,000** since the City plans to replace 68 lines, funding dependent.

TABLE 3-1: FY 2027 CONSTRUCTION COST ESTIMATE

CITY OF HILLSBORO, IL - LSLR					
ENGINEER'S COST ESTIMATE					
Bid Item	Description	Quantity	Unit Price	Unit	Total Price
1	Test Pits	5	\$1,150	EA	\$5,750
2	Inspection Pits in Unpaved Areas	68	\$1,150	EA	\$78,200
3	Inspection Pits in Paved Areas	68	\$2,470	EA	\$167,960
4	Water Service Replacement - Property Line to Building Interior (Private Side)	68	\$3,350	EA	\$227,800
5	Long Water Service Replacement - Water Main to Property Line (Public Side)	34	\$4,900	EA	\$166,600
6	Short Water Service Replacement - Water Main to Property Line (Public Side)	34	\$4,000	EA	\$136,000
7	Water Service Piping Beyond 100ft	1	\$55	LF	\$55
8	3/4-inch Curb Stop and Box	65	\$730	EA	\$47,450
9	1-inch Curb Stop and Box	1	\$860	EA	\$860
10	1-1/2-inch Curb Stop and Box	1	\$1,675	EA	\$1,675
11	2-inch Curb Stop and Box	1	\$2,195	EA	\$2,195
	Subtotal				\$834,545
	Contingency		10%		\$83,455
TOTAL BASE BID CONSTRUCTION COST ESTIMATE					\$918,000

Table 3-2 provides the anticipated FY 2027 total project cost, including design and construction engineering and other professional services.

TABLE 3-2: TOTAL 2027 PROJECT COST ESTIMATE

FY 27 Total Project Cost Estimate Table (68 Service Line Replacements)		
1	Design Engineering (including planning and form preparation):	\$73,440
2	Construction Engineering (including bidding):	\$64,261
3	Other Professional Services (separate legal, loan admin, etc.):	\$0
4	Construction:	\$834,545
5	Contingency (at 10% of estimated construction costs):	\$83,455
6	Total Estimated Project Costs:	\$1,055,700

A cost escalation table for the next four years is provided in **Table 3-3**. This shows the total project cost from **Table 3-2** escalated by 4% each year.

TABLE 3-3: FOUR-YEAR COST ESCALATION

Cost Escalation (Assumed 4% per Year)	
Year	Cost
Total Estimated Project Costs (FY 2028)	\$1,098,000
Total Estimated Project Costs (FY 2029)	\$1,142,000
Total Estimated Project Costs (FY 2030)	\$1,188,000
Total Estimated Project Costs (FY 2031)	\$1,235,000

3.2 Customer Affordability

TABLE 3-4: CURRENT WATER RATES

<i>Residential Within City Limits</i>		<i>Residential Outside City Limits</i>	
Water Charges	Rate	Water Charges	Rate
Minimum Allow (first 1,000 gal)	\$ 27.65	Minimum Allow (first 2,000 gallons)	\$ 58.85
Meter Fee	\$ 3.00	Meter Fee	\$ 3.00
1,001-10,000 gallons	\$ 9.22	2,001-6,000 gallons	\$ 10.84
10,001-999,999 gallons	\$ 6.43	Over 6,001 gallons	\$ 8.91
Bulk Water rate	\$ 5.64		

The average water use per customer is approximately 3,107 gallons per month (including both inside and outside City customers). The average water bill per customer inside the city is approximately \$50.08. The average water bill per customer outside the city is approximately \$73.85. The weighted average water bill per customer is approximately \$50.86, considering approximately 97% of the customers are inside the city and 3% fall outside the city.

Wastewater service users pay a \$40 per month base rate that includes 1,000 gallons of usage, then \$4.91 per each additional 1,000 gallons of water used. Average use per customer is 3,107 gallons. Therefore, the average wastewater bill is \$50.32.

Median Household Income (MHI) in Hillsboro is \$50,158. Hillsboro ratepayers currently pay an average combined water and sewer bill of \$101.16/month, or \$1,213.92 a year. The average water and sewer charge is currently 2.42% of MHI.

3.3 Payment Structure Options

The cost of replacing service lines in Hillsboro is estimated at \$1,055,700/year in FY2027 and will escalate each year based on inflation (estimated at 4%). Replacements are expected to take place over the next eleven (11) years. Three options were considered:

Option 1 – Financing all costs using state LSLR loan

The state of Illinois offers a 30-year loan @ 0% interest for lead service line replacements. If Hillsboro can take advantage of this program, they would borrow \$14.2 million over the next 11 years. By 2037, annual debt service payments would be \$474,585/year. These payments would continue through 2054, and then steadily decrease (as debt is amortized and retired) until they end in 2066.

There are currently around 2,100 service connections to the water system. Based on recent census data, the population in Hillsboro is decreasing by 0.49% per year. If this trend continues, the number of connections will decrease to 1,815 by 2053. Therefore, in 2053 the debt service cost will be \$261.48/connection (\$474,585/1,815 users). Total water and sewer costs per ratepayer would equal \$1,475.40 (\$1,213.92 current costs + \$261.48 in new debt service costs). This projected bill is 2.94% of MHI.

Option 2 – Paying cash for all LSLR

The cash option would have utility users pay cash for all LSLR in the year the work is done, without any borrowing. The cost of all the work is projected to be \$14.2 million from FY2027 to FY2037. The costs per water connection run from \$502.71/user (FY2027) up to \$781.61/user (FY2037). When these LSLR costs are added to the existing water & sewer bills, the average bill will increase to \$1,995.53/year by 2037. This is 3.98% of current MHI. This option has a larger impact on user bills for the next 11 years, but there is no long-term debt service. All work would be fully paid for when it is completed in 2037.

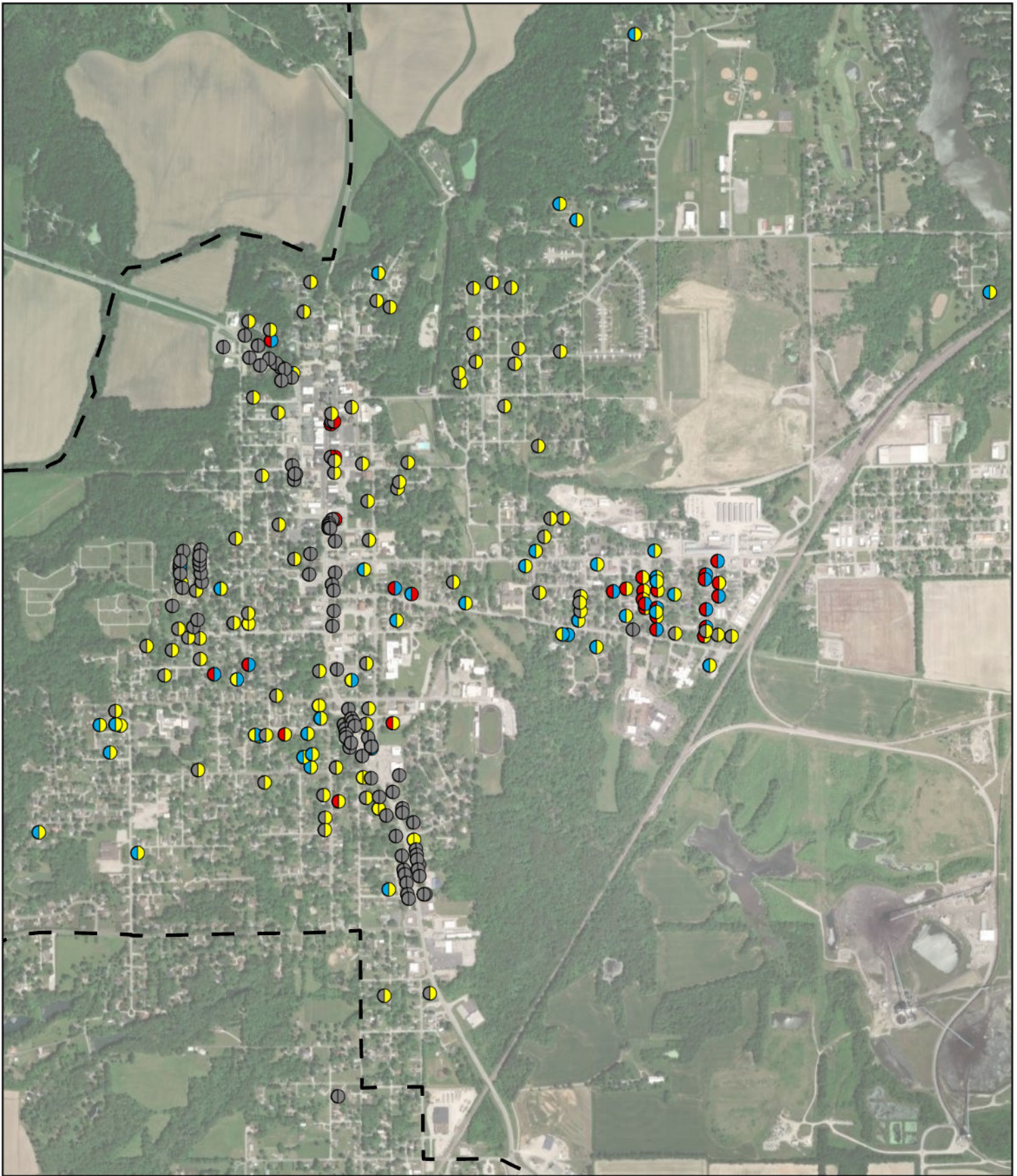
Option 3 – Financing all costs using state LSLR loan, with 49% principal forgiveness

The state of Illinois offers a 30-year loan @ 0% interest for Lead service line replacements. Principal forgiveness is also available to disadvantaged communities. If Hillsboro can qualify for this program with 49% principal forgiveness, they would borrow \$7.3 million over the next 11 years. By 2037, annual debt service payments would be \$242,038/year. These payments would continue through 2054, and then steadily decrease until they end in 2066.

There are currently around 2,100 service connections to the water system. This number is projected to decrease to 1,815 by 2053. Therefore, in 2053 the debt service cost will be \$133.35/connection (\$242,038/1,815 users). Total water and sewer costs would equal \$1,347.27 (\$1,213.92 current costs + \$133.5 in new debt service costs). This projected bill is 2.69% of MHI.

**APPENDIX A: LEAD SERVICE LINE REPLACEMENT MAP – PHASE 3
REPLACEMENTS**

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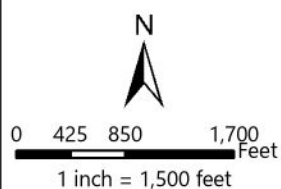
Lead Service Line Inventory

Phase 3 (FY26)

Hillsboro, IL

Legend

- Lead | Lead
- Lead | Galvanized Requiring Replacement
- Lead | Non-Lead
- Galvanized Requiring Replacement | Galvanized Requiring Replacement
- Galvanized Requiring Replacement | Non-Lead
- Non-Lead | Lead
- Non-Lead | Galvanized Requiring Replacement
- Unknown | Lead
- Unknown | Galvanized Requiring Replacement
- Unknown | Non-Lead
- Unknown | Unknown
- Census Tracts



Project #: 0234803.04
Map Created: April 2026

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**APPENDIX B: LEAD SERVICE LINE INVENTORY MAPS – PHASES 4 - 13
REPLACEMENTS**

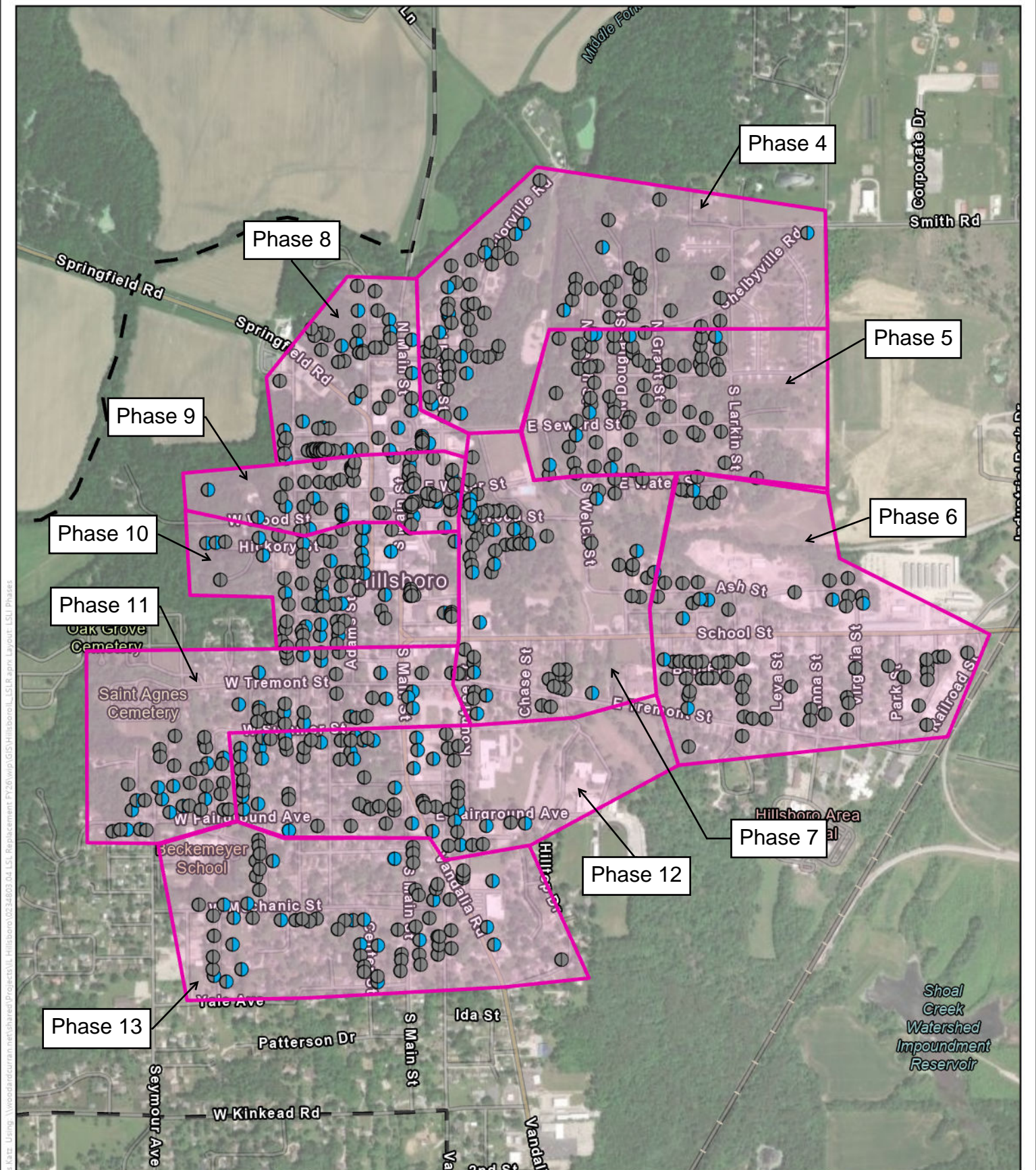
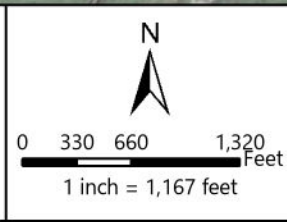


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Lead Service Line Inventory

Phases 4 - 13
Hillsboro, IL

Legend	
●	Utility Status, Customer Status
●	Unknown, Unknown
●	Unknown, Non-Lead
▭	Census Tracts

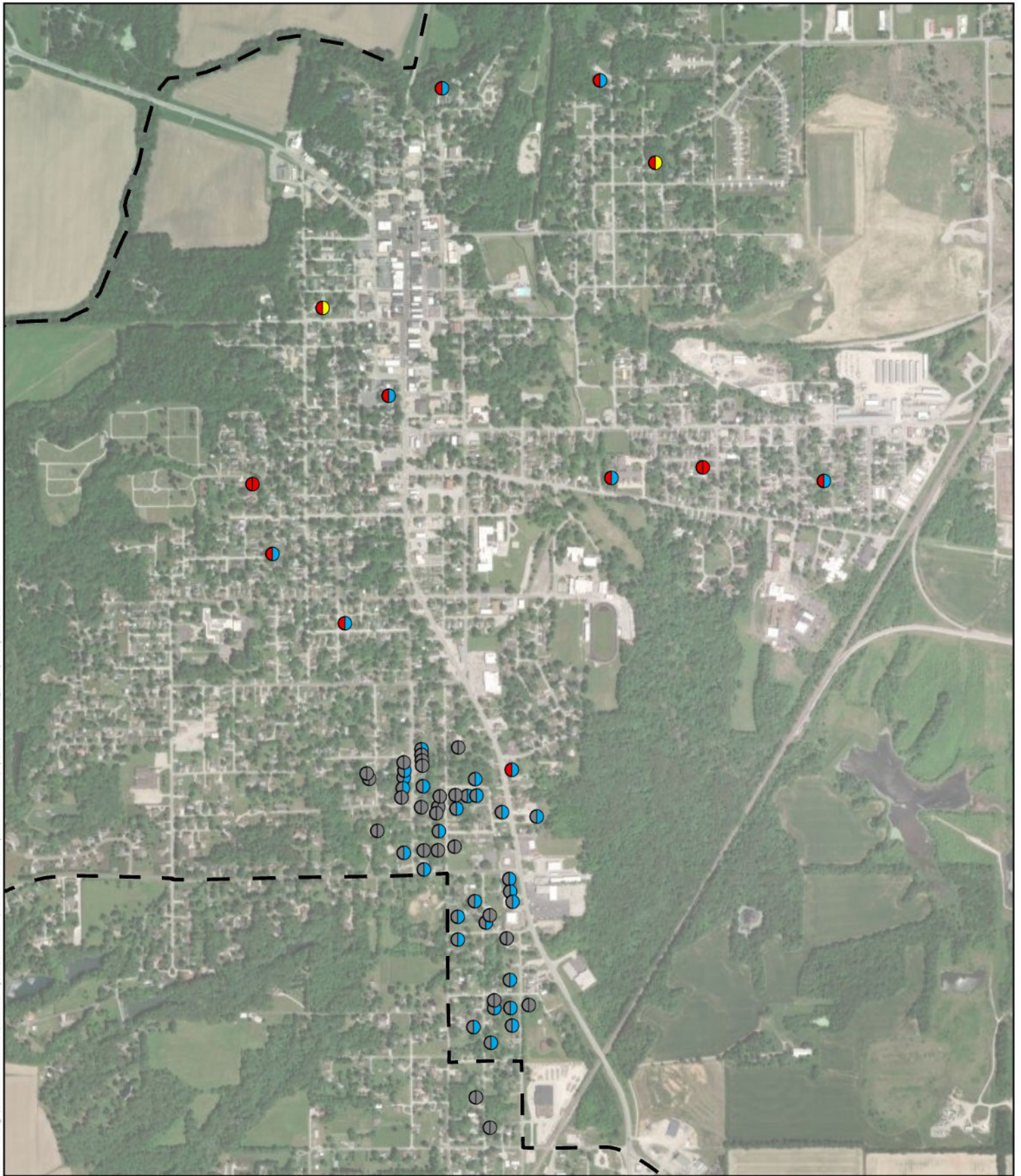


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**APPENDIX C: LEAD SERVICE LINE INVENTORY MAP – PHASE 14
REPLACEMENTS**

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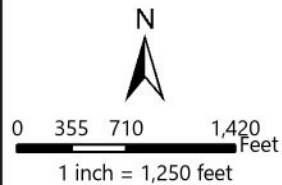
Lead Service Line Inventory

Phase 14

Hillsboro, IL

Legend

-  Lead | Lead
-  Lead | Galvanized Requiring Replacement
-  Lead | Non-Lead
-  Unknown | Non-Lead
-  Unknown | Unknown
-  Census Tracts



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**APPENDIX D: LEAD SERVICE LINE REPLACEMENT PROCEDURE
SUPPORTING DOCUMENTS**

Drinking Water Lead Service Replacement NOTICE



This notice contains important information about your drinking water. Have someone translate it for you or speak with someone who understands it.

Este aviso contiene información importante sobre su agua potable. Pídele a alguien que te lo traduzca o habla con alguien que lo entienda.



Dear Water Customer,

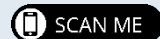
As part of the Lead and Copper Rule Improvements (40CFR Parts 141 and 142, October 2024) water systems are required to document all water service materials in their system and identify any lead or lead containing materials that may be in the system.

The City of Hillsboro (City) is continuing the lead service line replacement program. As part of this program, we are investigating all services and notifying customers if and when a lead service line is encountered. Ownership of the service line varies by water system, but in Hillsboro, the service line from the water main to the meter / curb stop is the responsibility of the City and from the meter / curb stop into the building is the responsibility of the property owner. In accordance with the Lead and Copper Rule Revisions, the entire service line – all materials containing lead – must be replaced.

Our most recent service line inventory indicates that some or all of the water service materials between the water main and your property may contain lead. The City will be conducting a series of construction contracts focused on replacing lead service lines (if present) at various locations throughout the City both within the roadway and on private property.

The City has committed to a lead service line removal and replacement program that has no cost to individual residents for the City's contractor to replace a lead service line as required by the Illinois Environmental Protection Agency (IEPA). Funding sources for this work could vary by phase of the replacement program but will generally be sources from the IEPA Public Water Supply Loan Program State Revolving Fund.

This work will require your consent, as well as access to the water service connection in your basement. Prior to your service line replacement, the City's contractor will provide a property access consent form for your signature and schedule a time for the replacement. Additional information pertaining to lead service lines including procedures for checking whether your home has a lead water service can be found at the resources provided.



Hillsboro Lead Service Line Replacement Program

<https://hillsboroillinois.net/water-department/>



USEPA Protect Your Tap Tool

<https://www.epa.gov/ground-water-and-drinking-water/protect-your-tap-quick-check-lead>

Drinking Water Lead Service Replacement

CONSENT FORM



Yes, I will allow the Water Department Staff and its Contractors to investigate, document and replace my water service, and I understand the following:

- Work will entail excavation on my property along with access to my water service line where it enters the dwelling near the water meter.
- Restoration on my property will be limited to topsoil, seed, and pavement.
- With this replacement, the City does not assume ownership of this water service line.
- This City's Contractor will contact me with the proposed replacement date.
- Work could involve the removal and reattachment of the ground / bonding jumper that may be present on the existing water service.

No, I will not allow the Water Department Staff and its Contractors to investigate, document, and replace my water service.

Print Name: _____

Cell Phone: _____

Email Address: _____

Property Physical Address:

Owner Address (if different):

Water Service Account Number (if known): _____

Signature: _____

Date: _____

Lead Service Line Replacement Program

REPLACEMENT GUIDE



Replacement Contractor: _____ Scheduled Replacement Date: _____



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Dear Water Customer,

You are receiving this notice because the lead water service line to your home, property, or business is in the process of being fully replaced. The City of Hillsboro (City) has committed to a lead service line removal and replacement program that has no cost to individual residents for the City's contractor to replace a lead service line as required by the Illinois Environmental Protection Agency (IEPA). Please follow the procedures as described below to ensure proper replacement.

Pre-Replacement (Approx. 1 day prior to replacement)

- Locate where your water service line enters your home (typically located in the basement at the foundation wall facing the road) and remove all personal items within a 10-foot radius.
- Remove obstructions from your front yard. Examples include trash cans, yard waste, garden decorations, etc.
- Prepare to be without water the following day for at least 4 hours.

During Replacement

- Plan to have at least one representative home during the replacement. This is needed because the contractor performing the replacement will need access to your basement throughout the installation.

Immediately After Replacement

- Your new service will be flushed by the replacement contractor at an outside spigot, but you will also need to flush your interior plumbing. Please use the following steps to ensure proper flushing of interior plumbing.
 - 1) Turn off or bypass any water softener or filtration system.
 - 2) Remove all aerators or screens, including shower heads from all faucets and clean debris with vinegar solution if necessary.
 - 3) Do not use any hot water.
 - 4) Turn on cold-water faucets in the basement (or lowest floor), including laundry tubs, hose-bibs, bathtubs, and showers. Leave all faucets running at the highest rate that the drain will allow, using only cold water.
 - 5) After all faucets are open on the lowest floor, open the faucets on the next highest floor of the house. Continue until faucets are open on all floors.

Continued on reverse →

- 6) Record the order in which the faucets were turned on.
- 7) Leave water running for at least 30 minutes.
- 8) Turn off the faucets in the same order they were turned on and reattach aerators / screens.

After Day of Replacement

- Residential Customers: Utilize the provided lead removal pitcher and filter including 6-month supply of filter replacement cartridges.

Health Effects of Lead

Exposure to lead in drinking water can cause serious health effects in all age groups. Infants and children can have decreases in IQ and attention span. Lead exposure can lead to new learning and behavior problems or exacerbate existing learning and behavior problems. The children of women who are exposed to lead before or during pregnancy can have increased risk of these adverse health effects. Adults can have increased risks of heart disease, high blood pressure, kidney or nervous system problems.

Lead Service Line Replacement Program FILTER NOTICE



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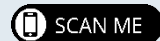
Dear Water Customer,

You are receiving this notice because the lead water service line to your property is in the process of being replaced. The City of Hillsboro (City) has committed to a lead service line removal and replacement program that has no cost to individual residents for the City's contractor to replace a lead service line as required by the Illinois Environmental Protection Agency (IEPA). The City is supplying you with a National Sanitation Foundation certified lead removal pitcher and filter, including a supply of filter replacement cartridges estimated to last for 6 months.

You should begin using your pitcher and filter for all water consumption immediately **after** your lead service line is replaced. This precautionary measure is intended to mitigate any potential, temporary lead concentration in your drinking water following your lead service line replacement. Please follow the instructions below as well as the manufacturer's instructions for proper flushing and filter cartridge removal and replacement, to ensure proper use and removal of lead.

LEAD REMOVAL PITCHER AND FILTER INSTRUCTIONS:

- 1) Use this pitcher filter for all water that you consume for drinking, cooking, and making baby formula for 6 months following your lead service line replacement.
- 2) Each time you fill the pitcher, fill it with cold fresh tap water after allowing the water to run for at least 5 minutes.
- 3) Follow the manufacturer's instructions for filters.
- 4) Clean faucet aerators / screens every 3 to 4 weeks.



Hillsboro Lead Service Line Replacement Program

<https://hillsboroillinois.net/water-department/>



USEPA Protect Your Tap Tool

<https://www.epa.gov/ground-water-and-drinking-water/protect-your-tap-quick-check-lead>

CUSTOMER FLUSHING AFTER LEAD SERVICE LINE REPLACEMENT

The replacement of lead service lines may temporarily increase lead concentrations in drinking water due to the release of metal from scale on pipes in the home that have not been replaced. The lead concentration should decrease after time. The contractor has flushed the new service line to your home. It is strongly recommended that the interior plumbing also be flushed now that the new service line is installed. See the flushing procedure below that is recommended by the American Water Works Association.

INSTRUCTIONS FOR CUSTOMER FLUSHING OF INTERIOR PLUMBING

1. Find all the faucets that will drain, including the basement and all floors in your house.
2. Remove aerators and screens whenever possible, including the shower heads, from all faucets you plan to flush.
3. Include the laundry tubs, hose-bibs, bathtubs, and showers as flushing points.
4. After all the aerators are off, open the faucets in the basement or lowest floor in the house. Leave all faucets running at highest rate possible, using cold water.
5. After the faucets are all open in lowest floor, open the faucets on next highest floor of the house. Continue until faucets are open on all floors.
6. After all faucets are opened, leave the water running for at least 30 minutes.
7. After 30 minutes, turn off the first faucet you opened and continue to turn off other faucets in the same order you turned them on.
8. Clean aerators/screens at each faucet. You may need to replace screens/aerators if too old or worn.

WATER TESTING FOLLOWING REPLACEMENT

Approximately one month after service line replacement, collection of a sample for lead testing is recommended. The sample should be a first-draw sample after water has not been used for at least 6 hours. The sample must be collected from a tap used frequently inside the home, preferably from the kitchen. Collect the sample with the aerator on, at maximum flow, and in a wide-mouth sample bottle.

As a precaution, until the sample is collected and analyzed, the customer should do a mini-flush of premise plumbing by running tap water each morning or when the water sits in the pipe for at least 6 hours. Flush for 5 minutes to displace water that has been sitting in the pipes inside the house and in the service line. This could include taking a shower, running the dishwasher, flushing a toilet, collecting water for plants/garden, or running the faucet. The customer should do this before using any water for drinking, cooking, infant formula, and so on. Daily mini-flushes should continue for six months or until lead sample results show the lead level is below the regulatory guideline. The customer should clean debris from aerators and screens once a month for six months. After six months, clean debris twice a year.



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