



Lead Service Lines in Minnesota

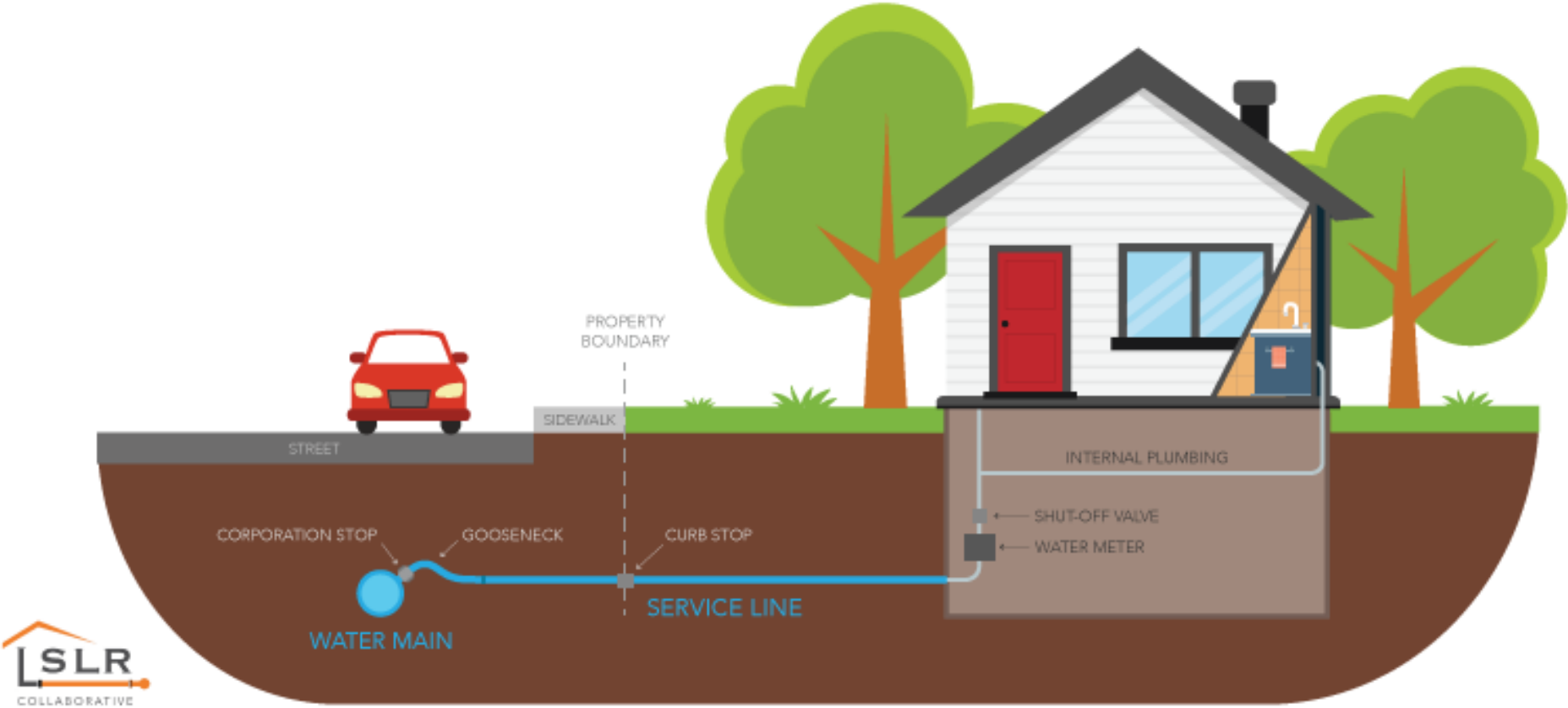
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Sources of Lead in Drinking Water

- Main source of lead in drinking water is from lead service lines
- Lead can also leach into water from lead solder & lead fixtures
- Many systems feed a corrosion control inhibitor to reduce lead leaching
- But there is no safe level of lead



Lead Service Lines



Lead Service Line Challenges

Approximately 1.4 Million Service Lines in Minnesota

- > 100,000 service lines are lead
- Ownership of the service line varies
 - Approximately 70 percent of water systems have split ownership
 - Majority of the remaining services are completely owned by the property owner
 - Water systems may have good records on the portion of the service line that they own but not on the property owner side
- Large number of small and very small water systems in Minnesota
 - Nearly 800 water systems serving fewer than 3,300 people
 - Nearly 500 water systems serving fewer than 500 people
- New Regulations

Lead & Copper Rule Revisions

- Requires water systems to complete an inventory of all their service lines by **October 16, 2024**
- Four categories of services
 - Lead
 - Galvanized Requiring Replacement (GRR)
 - Non-lead
 - Unknown
- Initial inventory can list service lines as unknown
- Property owners with Lead, GRR, and Unknown service lines must be notified
- If there is a drinking water lead exceedance, it triggers service line replacement requirements

Needed Assistance for Service Line Inventories

- Training for Water System Staff
 - Contract with Minnesota Rural Water Association (MRWA)
 - In-person & virtual trainings
- Direct Technical Assistance Completing the Inventory
 - RFP with consulting engineers familiar with funding programs
 - Three categories (Records Review, Visual Inspection, Replacement Plans)
 - Currently planned to be funded with IJA funds - \$4.3 Million/year
- State-wide Map of Service Line
 - Contract with U of M
 - Allows residents to find out information about their individual service line
 - Customized Communication

Thank You!

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