



**Village of Glendale Water System Narrative
for
Buildings Likely to Contain Lead Solder & Fixtures**

The information contained herein and the system map was developed from as-built drawings and the institutional knowledge of current and past Village of Glendale employees.

The map depicts two general categories of water mains. Category 1 is comprised of cast iron water mains and Category 2 water mains are those constructed of Ductile Iron Pipe and PVC C-900.

Category 1 water mains are depicted as:  on the map. The joints of these lines are packed with oakum and lead constructed as follows: "After setting the pipes together, workers pack oakum into the joints, then pour molten lead into the joint to create a permanent seal. The oakum swells and seals the joint, the "tar" in the oakum prevents rot, and the lead keeps the joint physically tight." Because of the potential of lead being present at or near service lines for properties tapping into cast iron mains, we have marked the public side of the system as likely to contain lead regardless of the service line material.

Service lines connected to Category 1 water mains consist of lead, copper and galvanized pipes. Since most of the buildings served by Category 1 mains were constructed before 2015, the private side of the connection has been marked as likely to contain lead regardless of the material used to manufacture the service line unless specific records on file indicate otherwise. We believe this approach complies with the Agency's requirement for "community water systems to be conservative in their estimates and assume that lead could have been used for service line materials unless the age of the area or specific information exists to rule out lead."

Category 2 water mains are shown as:  on the map. Water mains constructed from these materials use rubber/mechanical joints in construction; therefore, the public side does not contain leaded joints. Additionally, these properties have outside meter pits, which have been inspected and verified by Village of Glendale employees to not have lead service lines on the public side. All properties served by Category 2 mains have been marked as not likely to contain lead on the public side.

Like service lines connected to Category 1 water mains, services connected to Category 2 mains may consist of lead, copper and galvanized pipes. Most of the buildings served by Category 2 mains were constructed before 2015; therefore, the private side of the connection has been marked as likely to contain lead regardless of the material used to manufacture the service line unless specific records on file indicate otherwise.

In summary, construction records indicate only eleven (11) residences have been constructed since 2014. Therefore, with the exception of these eleven buildings, all other buildings have been marked as likely or potentially to contain lead on the private side.