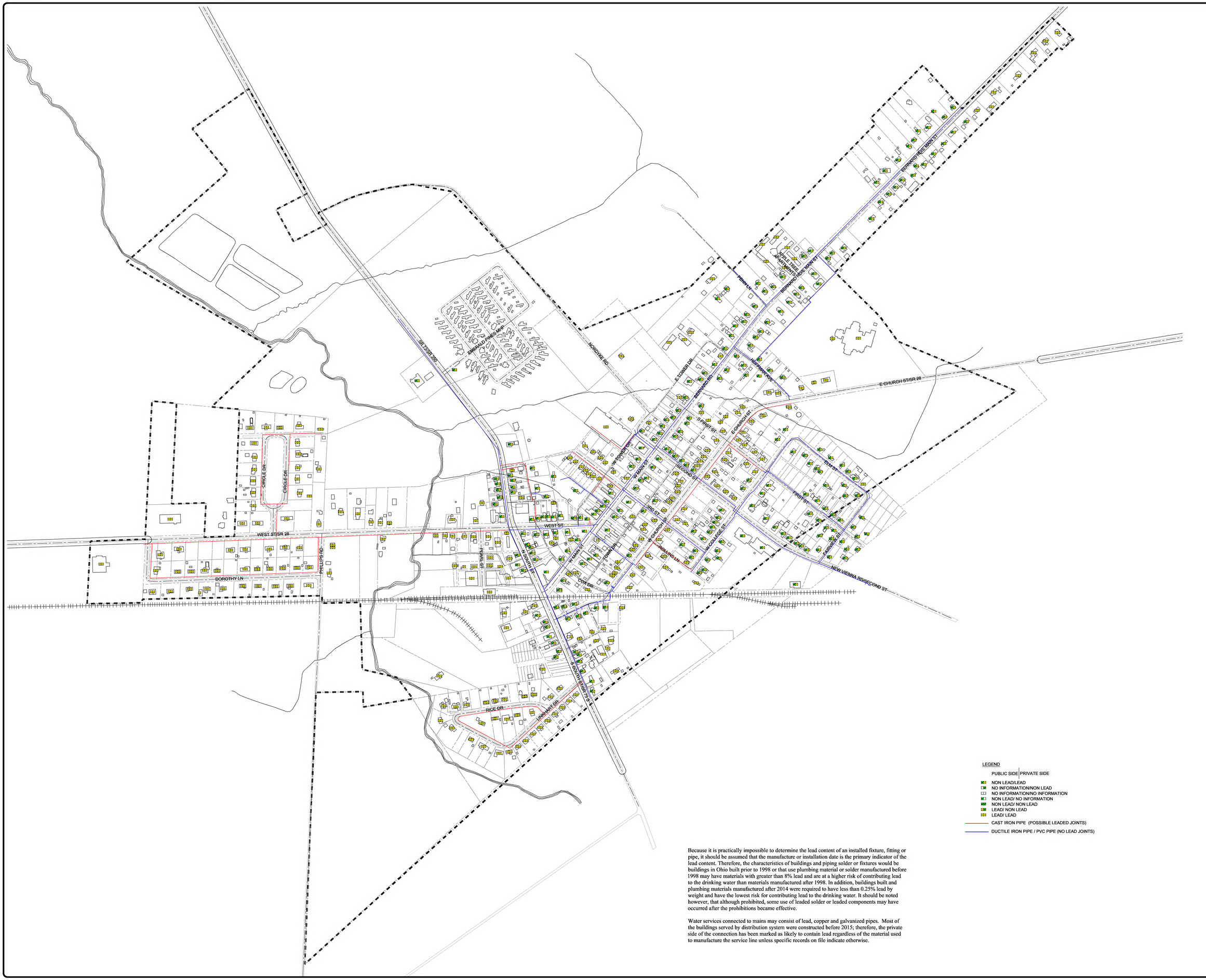

LEGEND

PUBLIC SIDE	PRIVATE SIDE
NON LEAD/LEAD	
NO INFORMATION/NON LEAD	
NO INFORMATION/NO INFORMATION	
NON LEAD/ NO INFORMATION	
NON LEAD/ NON LEAD	
LEAD/ NON LEAD	
LEAD/ LEAD	

CAST IRON PIPE (POSSIBLE LEADED JOINTS)

DUCTILE IRON PIPE / PVC PIPE (NO LEAD JOINTS)

Because it is practically impossible to determine the lead content of an installed fixture, fitting or pipe, it should be assumed that the manufacture or installation date is the primary indicator of the lead content. Therefore, the characteristics of buildings and piping solder or fixtures would be buildings in Ohio built prior to 1998 or that use plumbing material or solder manufactured before 1998 may have materials with greater than 8% lead and are at a higher risk of contributing lead to the drinking water than materials manufactured after 1998. In addition, buildings built and plumbing materials manufactured after 2014 were required to have less than 0.25% lead by weight and have the lowest risk for contributing lead to the drinking water. It should be noted however, that although prohibited, some use of leaded solder or leaded components may have occurred after the prohibitions became effective.

Water services connected to mains may consist of lead, copper and galvanized pipes. Most of the buildings served by distribution system 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.

N W E S

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Revisions

Date	Description	By

Drawn by: DT
Date: 2/21/17
Checked by:
Date:
Approved by:
Date:
GIS File Name: LEAD MAPPING

DITRIBUTION SYSTEM LEAD MAPPING

VILLAGE OF NEW VIENNA
CLINTON COUNTY, OHIO

Scale
1"=300'

Village of New Vienna 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 New Vienna administrators and employees.

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

Category 1 water mains are depicted as: ——— on the map. The joints of the cast iron mains 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. 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. With this said, we are not aware of any lead service lines on the public or private side connected to Category 2 mains. 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.