

RE: Village of Marblehead
Report
Drinking Water Program
Ottawa County
PWS ID: OH6202411

Village of Marblehead (PWS 6202411) Public Water System Lead (Pb) Components Prepared February 2017

To comply with Section 6109.21 of the Ohio Revised Code, enacted in September 2016, the Village of Marblehead in Ottawa County, Ohio has created the following report and attached maps to identify known and potential components of its public water system that contain lead (Pb).

Service Lines and Ownership

The Village of Marblehead Water Department distributes water to approximately 756 parcels. The Village owns and maintains service lines from the water distribution mains up to the curb stops (or curb-located meter vault) for each water customer. The remainder of each service line from the curb stop to the building is the responsibility of the property owner.

Since the original construction of the water system in 1959, it has been standard procedure for the water system operators to use 3/4" (or larger) type K copper pipe from the tapping saddle on the main up to the curb stop. The Village of Marblehead policy book also provides a regulation that mandates the use of type K copper (New Services section, item D) for private water service lines. This has been in place since 1998. In recent years it has also been acceptable to install CTS plastic (rated for 200 psi) for private water service lines, on a case by case basis at the discretion of the water department. The publicly owned portions of the service lines are only constructed using copper line.

While the water distribution system existed before lead mandates were put in place, there are not believed to be any lead service lines within the Village of Marblehead water distribution system. Notations can be seen on the original construction plans for the system that depict the use copper service line. Additional notes have been added in nearly every decade since, showing the same materials installed on new services (Refer to *Section B Waterlines*, 1958). While copper and plastic pipe have been used for private lines, lead pipe has never been installed in this water distribution system. Furthermore, the regulation referred to above also specifies that copper service lines should be one continuous segment, without any fitted joints, meaning there would be no solder used on the service line.

Distribution System

The Village of Marblehead produces treated Lake Erie surface water and distributes potable water through approximately 11.2 miles of water main lines. The water distribution system was constructed between 1958 and 2011. Several areas major sections of the original system have been replaced. The remaining original sections from 1958 may contain lead-sealed joints, though this has never been confirmed or

documented. Older portions of the system were constructed using cast iron, and newer additions are built using ductile iron (ranging from 4" to 12" diameter), with the exception of a few small sections containing 1½" and 2" copper. A single section of privately owned waterline was constructed using 8" c900 plastic pipe.

None of the customer water meters are believed to contain lead. About half of the meters are complete plastic construction. The other half have a brass housing with plastic and magnetic components.

Customer Self-Reporting

The information on this map regarding privately owned service lines is based on the limited information from the water system staff and Ottawa County building and parcel data. Property owners are encouraged to inspect their own service lines entering the building if these are in anyway exposed, and notify the Village of Marblehead Water Department if they have determined whether or not a lead service line exists. Please contact the Water Billing Clerk by emailing marwater@cros.net or visiting the main office at 513 West Main Street, Marblehead, Ohio, 43440. A representative from the water department will contact you to confirm and update this information for the next map release.

Contacts and Resources

If you have questions about known and potential lead components within the Village of Marblehead Public Water System, please contact:

Marblehead Water Department

513 West Main Street, Marblehead, Ohio, 43440

Email – marwater@cros.net

For more information about lead service lines and their removal, we recommend the following resources:

- **The Lead Service Line Replacement Collaborative**
<http://www.lslr-collaborative.org/resources-for-concerned-consumers.html>
- **Ohio EPA 'Learn About Lead' page**
<http://epa.ohio.gov/pic/lead.aspx>
- **US EPA Lead in Drinking Water Information Page**
<https://www.epa.gov/ground-water-and-drinking-water/basic-information-about-lead-drinking-water>

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Village of Marblehead Public Water Distribution System Lead Components and Lead Service Lines Map

The following map(s) does not verify the presence of lead in any of the lines or structures shown. This map only shows the probable or possible locations based on the year that the structure was built, historical maintenance and operation records, and customer or utility staff verification.

This map is not intended for design engineering, surveying, or construction purposes. Information and data contained or accessed within this map emanates from various public and private sources and may contain errors and omissions

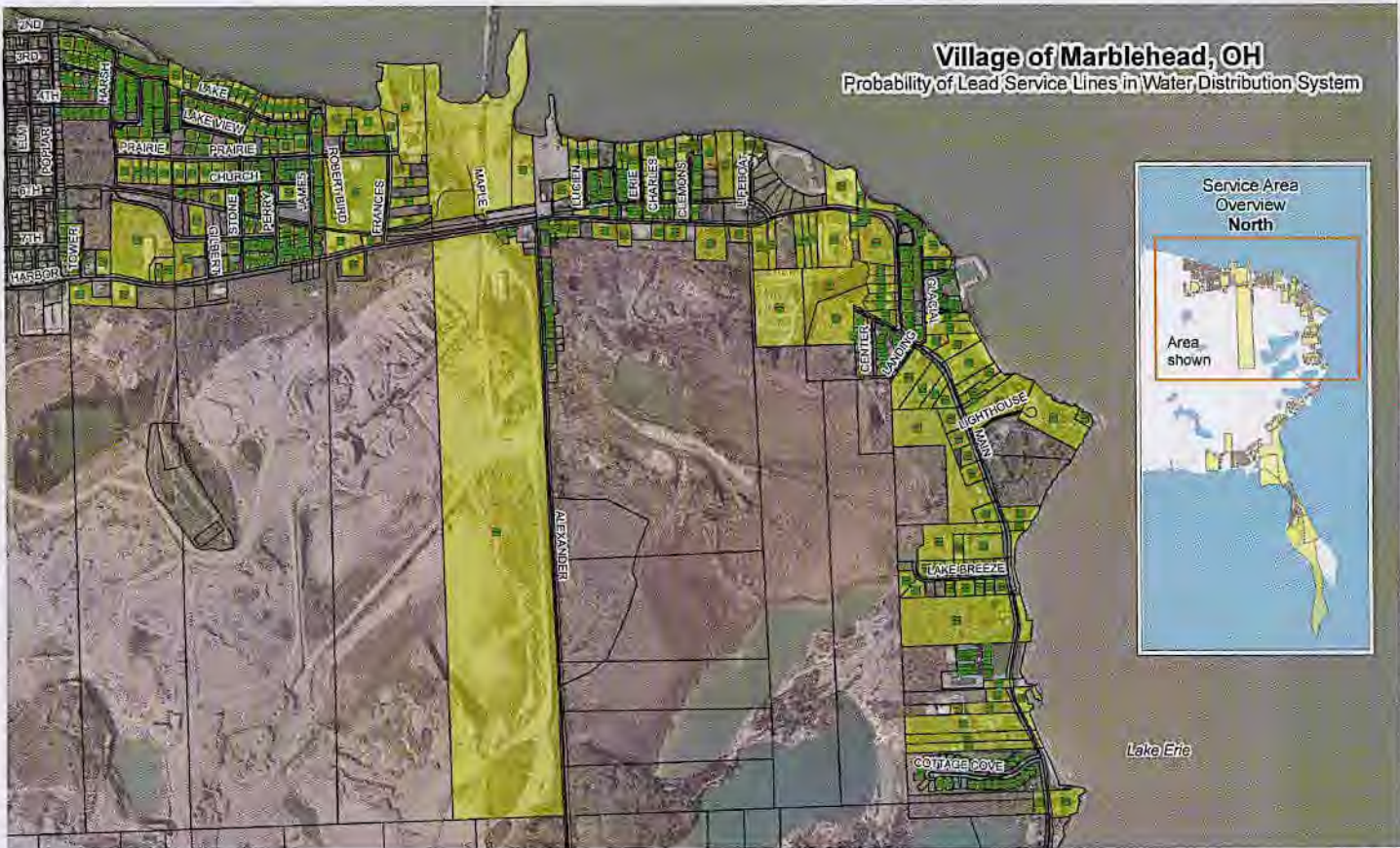
All data, information and documentation within this map are provided "as is" without warranty of any kind, either expressed or implied. The suitability of the data and information contained in this map is not guaranteed, and the user assumes all risk for such uses. WSOS Community Action and its employees, affiliates, agents and licensors cannot and do not warrant the accuracy, completeness, non-infringement, merchantability or fitness of any information contained within this map.

GIS Data Sources: OGRIP, OSIP, Ottawa County Auditor, RCAP GIS. Datum/Projection: NAD 1983 Ohio State Plane North (ft) Date: 2/23/2016

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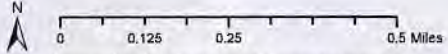
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Village of Marblehead, OH
 Probability of Lead Service Lines in Water Distribution System



- ☐ Symbol representing single service line
- Public Ownership of Line
- Private Ownership of Line
- Material of Service Line**
- Lead
- Non-Lead
- No Information
- Marblehead Service Area



Buildings in Ohio built prior to 1988 or that use plumbing material or solder manufactured before 1988 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 1988.

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.

Created for use by The Village of Marblehead
 By RCAP GIS Team
 February 28, 2017

Coordinate System:
 NAD 1983 StatePlane Ohio North FIPS 3401 Feet
 Data Sources:
 Village of Marblehead,
 Ottawa County, RCAP GIS Team,
 ESRI, OGRIP, OSIP, TIGER Lines



Village of Marblehead, OH

Probability of Lead Service Lines in Water Distribution System



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0 0.175 0.35 0.7 Miles

☐ Symbol representing single service line

☐ Ownership of Line
 Public
 Private

Material of Service Line

☐ Lead
 ☐ Non-Lead
 ☐ No Information

☐ Marblehead Service Area

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Data Sources: Village of Marblehead, Ottawa County, RCAP GIS Team, ESRI, OGRIP, OSIP, TIGER Lines



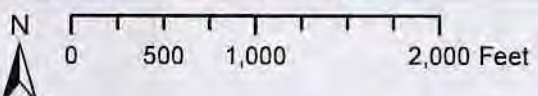
No structures further south on Bay Point peninsula



Marblehead, OH

Lead and Copper Sampling Sites



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 Lake Erie
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-  Lead & Copper Sampling Site
-  Mount Eaton PWS Service Area



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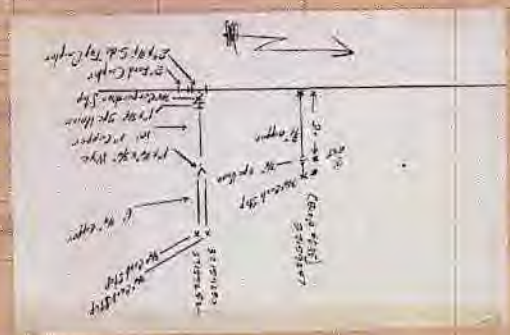
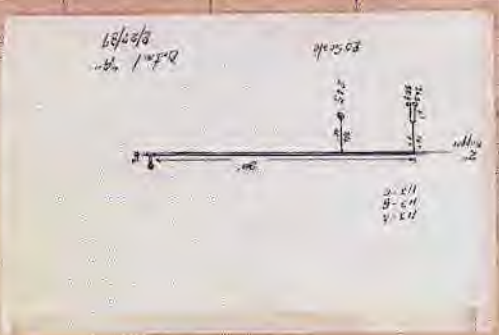
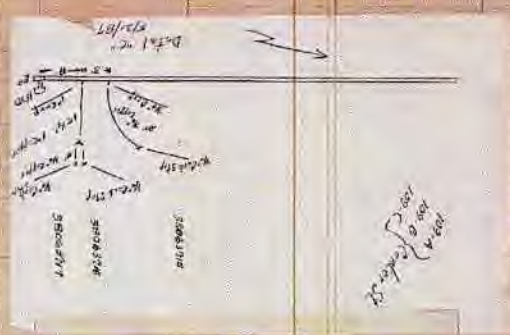
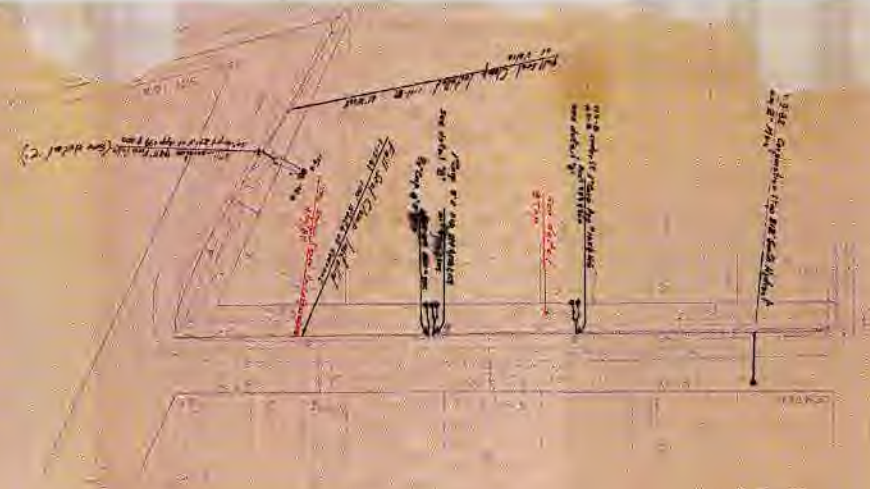
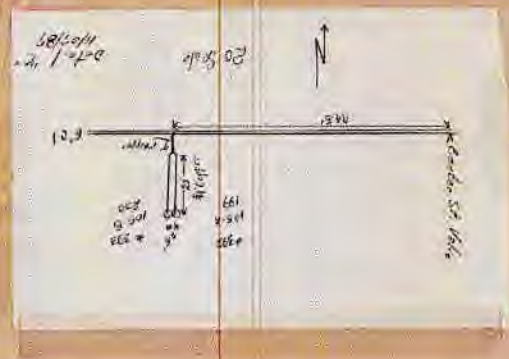
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WATER MAIN
DATE: 11/18/85
SCALE: 1" = 100'



- J. Rates and accompanying charges for materials and services will be found else-where in the POLICY BOOK.
- K. The initial TURN-ON FEE is waived provided service is continuous after the original installation is made. If service is interrupted for a prolonged period of time, a TURNOFF FEE is to be charged and a water rental invoice submitted for accumulated water usage.
- L. For new construction or any extensive remodeling for premises not having prior water service, service will be rendered for the period of such construction or remodeling, constituting one billing period. Under no circumstances shall a construction period exceed one (1) full year or 365 days.
- M. Any inhabited premises and/or dwelling during the construction period will not be granted the consideration provided for under the preceding paragraph (L). Regular billing will be applicable

By order of The Marblehead Board of Public Affairs:

Passed: 09.15.98

Effective: 09.15.98

Attest: Deanne S. Kopp
Clerk

Robert S. Boynton
Thomas J. Bird

NEW SERVICES-MARBLEHEAD

- A. In contracting for water service to any premises within the corporation limits of Marblehead that does not have an existing curb connection, the property owner must execute the necessary Tap-in Application(s) and deposit the nonrefundable PERMIT FEE in the amount listed for the appropriate size on the tap application for each proposed service. Absolutely no work shall be performed until this paragraph has been complied with.
- B. All meter settings (curb connections) shall be located from one to three (1-3) feet inside the property line abutting the water-line and aligned with the building as per the request of the owner, and the owner shall guarantee future access thereto to the Water Department at all times.
- C. One exception to paragraph (B) as to the location of any meter setting(s), is that no meter shall be in an area subject to vehicular traffic so as to minimize severe frost penetration.
- D. Individual services shall be no smaller than 3/4" and shall be of type "K" soft temper copper. A continuous one-piece (without any joined fittings) section shall be employed between the mainline and the curb stop of the same type "K" copper. Wherein practical, type "K" copper shall be used between the curb stop and the actual meter setting and from the meter to a point away from the meter tile, so future damage to the meter setting and service line is minimized.
- E. Where a customer determines that a 3/4" service will not furnish a sufficient supply of water, a larger size may be installed at additional cost, and the same conditions will apply.
- F. It is required, that for any service of 2" or larger, a compound meter must be used in lieu of the conventional disc or turbine type meter.
- G. All units, on any parcel of land, capable of being independent of another unit, must have a separate and distinct water service.
 - (a) Private Sub-Divisions or Condominium Complexes may be served by one master meter, with Board of Public Affairs approval.
 - (b) The Developer, Owner, or Private Association of such a development shall be responsible for repair and or replacement of all water lines and fire hydrants after the master meter for said development.
 - (c) The Village of Marblehead Water Department personnel will flush and maintain fire hydrants in accordance with established procedures in effect for the rest of the Village to assure proper operation in case of an emergency.
 - (d) Each unit (family dwelling, swimming pool, recreation building or any other water service) shall be considered a tap and must pay a tap fee according to its service line size.
- H. Water Department personnel shall not perform any work that is normally done by competent plumbers and/or excavators beyond the meter setting. This is intended to restrict installations to the service line only for the expressed purpose of testing the service line for tightness.
- I. The Water Department personnel ONLY shall make any connection to the CUSTOMER'S side of the meter, or any appurtenance thereto.