

# **LEGEND**

**8" OR LARGER**

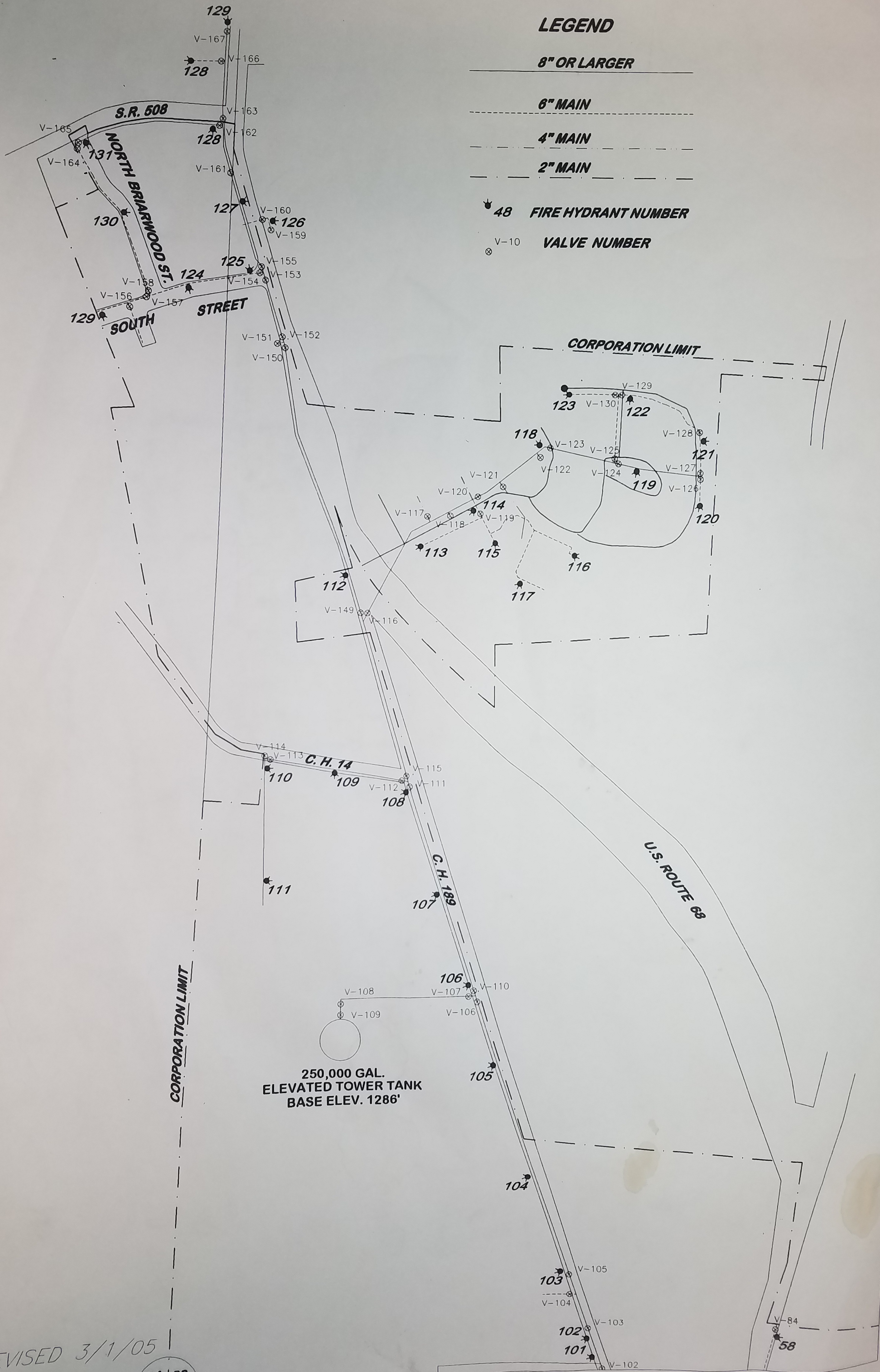
**6" MAIN**

**4" MAIN**

**2" MAIN**

**48 FIRE HYDRANT NUMBER**

**V-10 VALVE NUMBER**



REVISED 3/1/05

34 28  
33 27





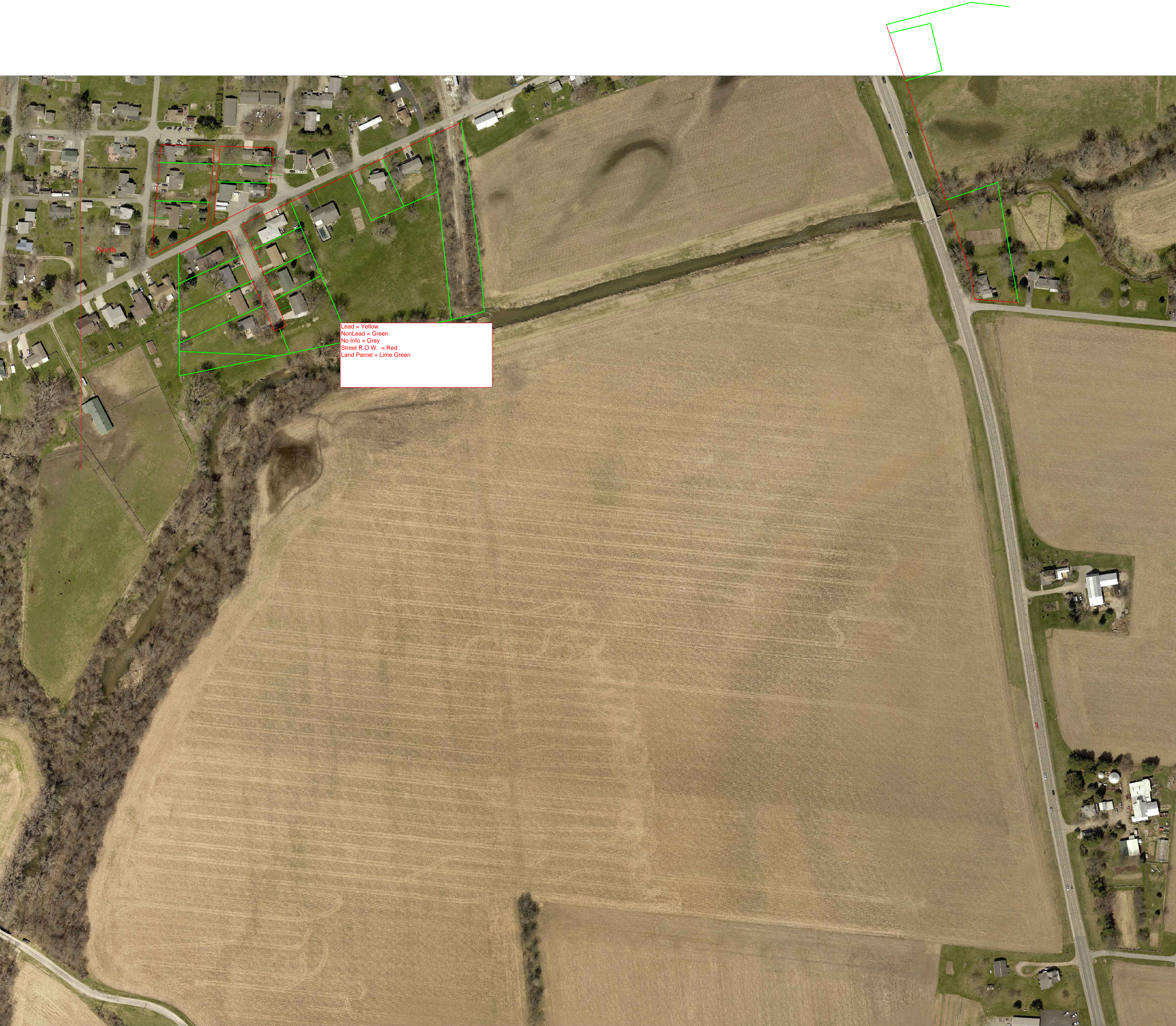




Because it is practically impossible to determine the lead content of an installed fixture, fitting or pipe, it should be assumed that the manufacture or installation date is the primary indicator of the lead content. Therefore, the characteristics of buildings and piping solder or fixtures would be buildings 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.

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No Info = Grey  
Street R.O.W. = Red  
Land Parcel = Lime Green





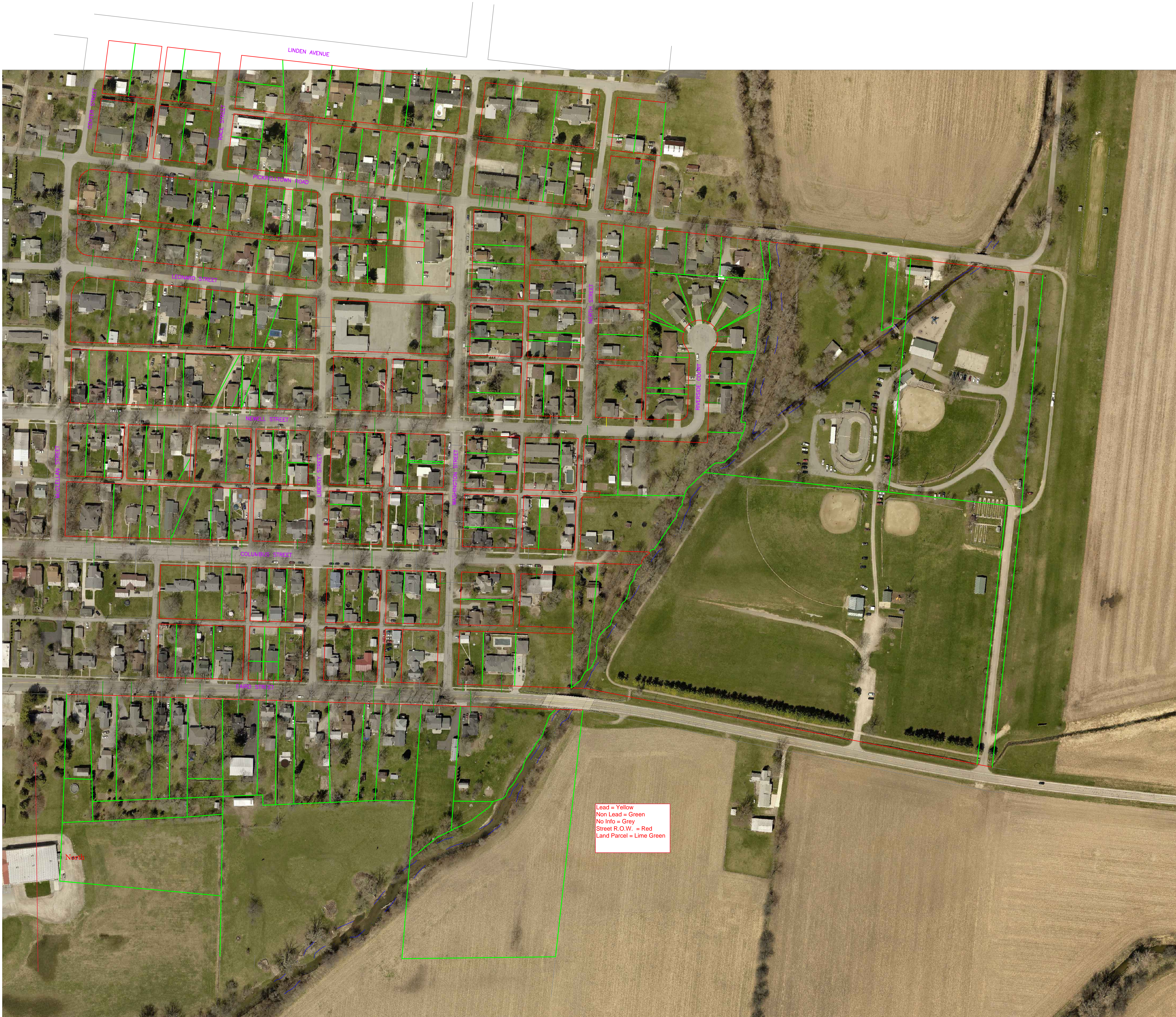
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To Ohio EPA Southwest District:

CC: Ohio Department of Health  
Attn: Lead Program, 6<sup>th</sup> Floor  
246 North High St.  
Columbus, OH 43215

Ohio Department of Job and Family Services  
Office of Family Assistance-Bureau of Child Care Licensing and Monitoring  
P.O. Box 183204  
Columbus, OH 43218-3204

Regarding Lead Mapping in Distribution System requirements Dated 1/6/17.

Attached:

- a. Please find 8 pdf files that represent the water service line map for the Village of West Liberty Ohio PWS OH4602412. Also included is an image of our distribution water main map. We have recently purchased survey equipment and our mapping will become much more accurate and usable as we complete this process.
- b. Most of the homes and commercial buildings in West Liberty were built prior to 1998 and therefore may have materials with greater than 8% lead and are a higher risk of contributing lead to the drinking water than materials manufactured after 1998. Therefore the whole map is has potential for this threat.

We initiated a public survey (see attached Public Survey and Water service line info) in December of 2016. Approximately half of our 800 connections responded. The survey was sent out again with March 2017 billing. We will revise map as the surveys come in and update with a final revised copy. For those surveys not answered we will inspect manually at the customers convenience.

I spoke with previous Water Dept. Personnel and was told that they knew of no lead service lines except 313 North St. (which is indicated on the map and is on our SMP ID list). I also spoke with local plumbers and they indicated that they do not recall ever seeing any lead service lines, public or private. Personally, I have not seen any lead service lines in my 5+ years working for the village. All I have seen from the main to the curb stop are flared copper fittings which is what our repair stock is composed of. Historically, copper was used for service lines from water main to curb stop and curb stop to water meter is being discovered through surveys and sight visits as necessary.

Our ordinances do not indicate which type of material to service the homes with. I also spoke with the Health Dept. in Logan County. They indicated that they keep current with Ohio Plumbing Code.



In addition, we have recently changed our water treatment from Lime-Soda Softening to Ion Exchange Softening with M.A.R.I.S. media for Iron and Manganese removal. I have contacted Bonded Chemical to do a coupon study to discover whether we should consider adding a phosphate for added stability. I will update Mariano Haensel as this study progresses.

- c. Please see attached SMP ID list.

Kind Regards,

Brad Hudson  
Water Superintendent  
Village of West Liberty Ohio  
PO Box 187  
West Liberty Ohio 43357  
(937)465-1506



To All Village of West Liberty Water Customers,

Thank you for the great response in returning the water line survey. We received almost 400 surveys last month. If you have not returned survey yet, please do so as soon as possible.

Also, our new water plant is up and running. The builder is completing a few punch list items and should be finished soon. We changed our water treatment from Lime Soda Softening to Ion Exchange Softening. Our water chemistry is similar to our previous treatment. The biggest changes are increased sodium due to using salt water brine to regenerate our softeners, and our pH has decreased from approximately 9.0 to 8.0. We ran tests on sodium levels and they are low to moderate. Our results were 115 mg/L (parts per million). A low sodium diet is considered 500 mg/L a day or less. Drinking a two Liter bottle of water would result in about half of this daily allowance (as an example). If sodium levels are a concern, please consult your physician. The addition of a Reverse Osmosis filter for drinking water would remove the small amount of Sodium from the water.

We will be having an open house on March 31, 2017 from 2:00PM to 5:00PM for those interested in a plant tour.

Sincerely,

Brad Hudson

Water/Wastewater Superintendent

Village of West Liberty



Due to recent events in Flint, Michigan, House Bill 512 was passed in June of 2016. The West Liberty Water Dept. has several requirements to comply with new Lead and Copper rules. One of the requirements is generating a map of the distribution system of areas known or are likely to have lead service lines, solder, fixtures or pipes containing lead. Below is a short survey that we need returned by March 3, 2017 To Village of West Liberty Water Dept. PO Box 187 West Liberty, OH 43357 or email to [wwater1@ctcn.net](mailto:wwater1@ctcn.net). If you are not sure about filling out survey please call Utility Billing at (937)465-2716 to set up an appointment for a site visit at your convenience. Surveys not completed will need to be visited by water Dept. personnel in coming weeks for a site visit. Following is an internet address to a video on how to tell which type of water service line you have. [www.youtube.com/watch?v=-4\\_cW7KxNnw](http://www.youtube.com/watch?v=-4_cW7KxNnw)

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### **2017 Water Service Line Survey**

#### **Resident Information**

Name \_\_\_\_\_ (Required)

Street Address \_\_\_\_\_ (Required)

Home Phone # \_\_\_\_\_ (one # required)

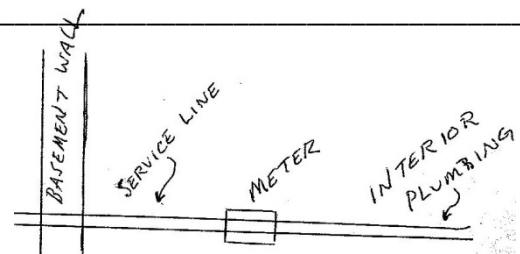
Cell Phone # \_\_\_\_\_ (one # required)

Email \_\_\_\_\_

1. Plumbing Age (Circle One): Installed after 12/31/1982 or Installed Before January 1, 1983
2. Type of Interior Plumbing from water meter to your fixtures. (Circle One or More if Various Material types): plastic, copper, lead, galvanized, PEX, Cast iron
3. Type of Structure (Circle One): Single Family Home, Multi Family Home, Commercial Building
4. Service Line Material (plumbing material type that feeds water meter): Plastic, Copper, Galvanized, Lead, Other \_\_\_\_\_

**Definition of Service Line – Pipe that feeds water meter.**

#### **Service Line Material Identification:**



**Lead Pipe identification- Tools needed: Flat head screw driver and magnet. Scrape pipe with screw driver. If dull surface removes easily and turns to shiny silver and is not magnetic, then it is lead pipe.**

**Copper Pipe identification- Scrape with flat head screwdriver. If copper color (like a penny) and not magnetic then it is copper pipe.**

**Galvanized Pipe identification- Scrape with screwdriver. If surface does not scratch easily and is magnetic, then it is galvanized pipe.**

**Plastic Pipe is generally blue or black.**

**Brad Hudson Water Superintendent Village of West Liberty (937)465-2179**





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