CLERMONT COUNTY OHIO

BOARD OF COUNTY COMMISSIONERS

EDWIN H. HUMPHREY • DAVID H. UIBLE • DAVID L. PAINTER

WATER RESOURCES DEPARTMENT

RECEIVED
OHIO EPA
FEB 27 2017
Southwest District

February 22, 2017

Gina Hayes
Ohio Environmental Protection Agency
Division of Drinking and Ground Waters
Southwest District Office
401 East Fifth Street
Dayton, Ohio 45402

Subject: Village of Batavia - Ohio House Bill 512; Lead Service Line and Fixture Mapping Project

Dear Ms. Hayes,

In accordance with Ohio HB 512 and Ohio EPA's letter dated January 17, 2017, the Clermont County Water Resources Department (CCWRD) has completed the Lead Service Line and Fixture Mapping Project for the Village of Batavia water service area. Enclosed are the following:

1. DVD with a Possible Lead Service Area Map in pdf format. Please note, the Village of Batavia water service area is mapped in sections. Properties are identified as either having no lead or no information for the public and private portion of the water service based on information provided by the Village of Batavia.
2. Copy of a letter from the Village of Batavia Administrator, which describes areas that are known to not have lead water services and areas that the water service material is unknown.
3. A narrative description of buildings served by the Village of Batavia water system that are likely to contain lead solder, plumbing or fixtures.
4. A list of sampling locations that are Tier I sites used to collect samples (SMP ID Sheet), as required by rules adopted under ORC Section 6109.121, including contact information for the owner and occupant of each sampling site.

A copy of the map has also been sent to the Ohio Department of Health (ODH), Attn: Lead Program, 6th Floor, 246 North High Street, Columbus, Ohio 43215 and to the Ohio Department of Job and Family Services (ODJFS) Office of Family Assistance-Bureau of Child Care Licensing and Monitoring, P.O. Box 183204, Columbus, Ohio 43218-3204.

If there are any questions or you need additional information, please let me know. I can be reached at 513-732-8860 or lbloom@clermontcountyohio.gov

Sincerely,

Lyle G. Bloom

Lyle G. Bloom, P.E.
Director of Utilities

Cc: Mark Day
Steve Knipp
Dennis Nichols, Village of Batavia

VILLAGE OF BATAVIA

389 EAST MAIN STREET, BATAVIA, OHIO 45103

JOHN THEBOUT, MAYOR
DENNIS NICHOLS, ADMINISTRATOR
JOHN WAITE, FISCAL OFFICER

PHONE: 513-732-2020
FAX: 513-732-5696

RECEIVED
OHIO EPA
FEB 27 2017
Southwest District

February 9, 2016

Lyle Bloom, Director
Clermont County Water Resources Department
4400 Haskell Road
Batavia, Ohio 45103

Theme: Lead service connections

Dear Sir:

The Village of Batavia has no known lead metal in water service connections in its system. The absence of lead is consistent with the village history.

- Batavia was not early enough or prosperous enough to have used lead pipes in distribution lines.
- The prevalence of modest housing built in early years of the water system militated against lead service lines: Iron was less expensive.
- From 1900 to 1994 the village treated surface water with professional competence, but in a system too small for advanced control systems. Since 1994 the village has bought all water from the Clermont County Water Resources Department, with consistent water chemistry that would not react with lead in service lines if the metal were present.

The Village of Batavia has reviewed maps and other records, performed limited physical inspections, and verified information with staff and others involved with the Batavia Village water system now and in recent decades. On review, we have high confidence that no lead service connections exist in most of the system. One small subdivision, Bauer Avenue and Douglas Drive, with 15 houses, all built after 1959, and a few scattered streets remain where we have not yet demonstrated conclusively that no lead is present; we know of no lead connections between the water main and the water meter in those connections.

The possibility always exists, of course, that a builder or plumber in the past installed household plumbing using lead water pipes, and that those pipes remain in service, but that probability is diminishingly small, and the public health implications of such installations are insignificant in comparison with the presence of lead solder joining copper lines and fixtures in most households, which significance itself is near zero.

Batavia took its first step to establish water service in Ordinance No. 41, adopted July 24, 1899, and effective Aug. 26, 1899, creating a Board of Trustees of the Electric Light and Water Works,

which in ensuing months built a power house and water treatment and distribution system. Of the village's existing housing stock, 55 houses date to before the system's genesis. Records document that the village employed copper pipe in the plant and distribution mains.

Lead pipe fell into disfavor in the late 19th century and was little used after the early 1920s nationally. "The year 1930 is often given as the date after which few lead water pipes were installed in the United States,"[1] according to a report in a leading journal. The Village of Batavia, Ohio, had the added insulation from use of lead in service lines in its modesty. Most of the 89 houses built between 1900 and 1930 are unpretentious and had galvanized iron plumbing, if any, and the more elegant houses had the option of copper plumbing. The village has examined connections on Wood Street and Broadway, where most of the more expensive houses are.

Since 1990 Batavia has replaced water mains on many residential streets and has exposed curb stops on others. Excavation found a lead service connection in the 500 block of North Street and replaced it, but that was the only such connection discovered.

Excavations disclosing service lines have been:

1.	East Main Street, Riverside to Fifth Street, new water main	2014
2.	West Main Street, storm water main	2005
3.	North Fourth Street, new water main	2014
4.	South Second Street, new water main	2014
5.	Broadway, new water main	2016
6.	Spring Street, new water main	2016
7.	South Fifth Street, new water main	2016
8.	North Fifth Street, storm water drainage	2009
9.	North Sixth Street, storm water drainage	1999
10.	Market Street, storm water drainage	2001
11.	Clark Street, new water main	2004
12.	Glen Avenue, new water main	2004
13.	Ely Street, new water main	2004
14.	Wood Street, storm water drainage	1999
15.	North Second Street, storm water drainage	2004
16.	North Street North Sixth Street, storm water drainage	1997
17.	Kilgore Street, storm water drainage	2009

The north part of the village, Old Boston, Shelley, Diana, Charles, Edith and Gregory, and the subdivision of Knauer, Woodside and Deanna, were built after lead was abandoned in practice, and service calls in the time since have disclosed no lead connections. The same situation exists on Bauer Avenue and Douglas Drive at the end of Ely Street, near the Batavia Middle School, and on Meadowbrook Drive off West Main Street. A single residential property on Depot Lane dates to the 19th century and is unknown, the only residential property in the village where doubt

[1] Rabin, Richard. American Journal of Public Health, "The Lead Industry and Lead Water Pipes, 'A Modest Campaign,' " 2008 September; 98(9): 1548-1592.

is reasonable. We will verify that service to ensure that it has no lead connection to the main, but have not yet done so.

Although we have no reason to suspect the presence of lead between the main and the meter, the village administration cannot certify the absence of lead on the following streets and will monitor those connections until proven:

1. Old Boston Road
2. Shelley Drive
3. Diana Avenue
4. Charles Street
5. Edith Avenue
6. Gregory Drive
7. Knauer Avenue
8. Woodside Drive
9. Deanna Drive
10. Bauer Avenue
11. Douglas Drive
12. Meadowbrook Drive
13. Depot Lane
14. Sixth Street (part)
15. Seventh Street
16. Eighth Street

Respectfully,

Dennis Nichols

RECEIVED
OHIO EPA
FEB 27 2017
Southwest District

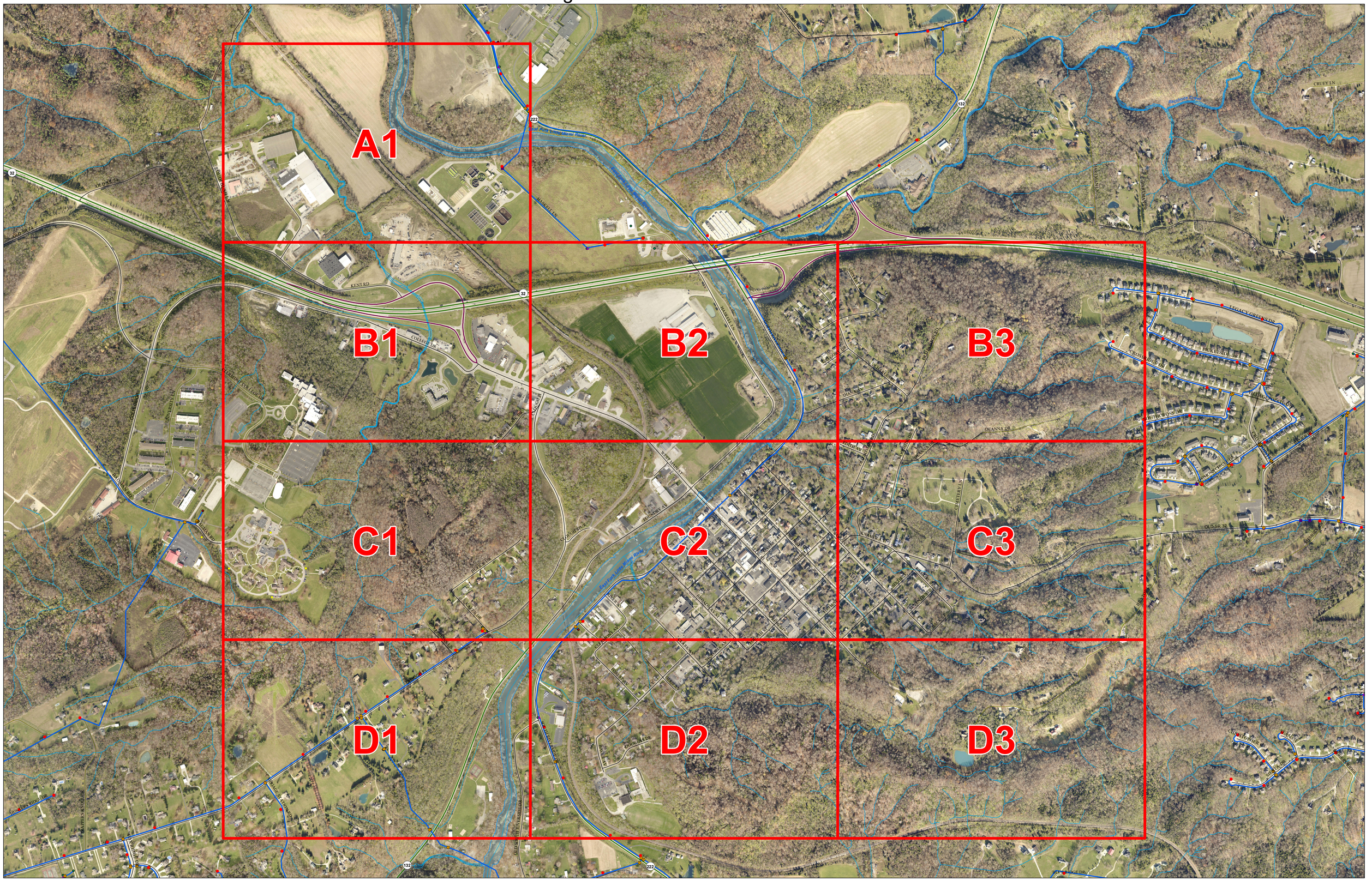
February 22, 2017

Village of Batavia, Clermont County, Ohio

Description of buildings likely to contain leaded solder, plumbing or fixtures:

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.

Village of Batavia Possible Lead Areas



February 16, 2017

N

1 inch = 432 feet

0 435 870 1,740 Feet

Village of Batavia Possible Lead Areas

A1



Public Side, Private Side No Lead, No Lead | No Lead, No Information | No Information, No Information

February 16, 2017

N

1 inch = 100 feet

0 100 200 400 Feet

Village of Batavia Possible Lead Areas



Public Side, Private Side No Lead, No Lead | No Lead, No Information | No Information, No Information

February 16, 2017

N

1 inch = 100 feet

0 100 200 400 Feet

Village of Batavia Possible Lead Areas

A1 B2



Public Side, Private Side No Lead, No Lead | No Lead, No Information | No Information, No Information

February 16, 2017

N

1 inch = 100 feet

0 100 200 400 Feet

Village of Batavia Possible Lead Areas

B3

B2

B3

C2

C3

Public Side, Private Side ■■ No Lead, No Lead ■□ No Lead, No Information □□ No Information, No Information

February 16, 2017

N

1 inch = 100 feet

0 100 200 400 Feet

Village of Batavia Possible Lead Areas



Public Side, Private Side No Lead, No Lead | No Lead, No Information | No Information, No Information

February 16, 2017

N

1 inch = 100 feet

0 100 200 400 Feet

Village of Batavia Possible Lead Areas

B1 B2 B3 C1 C2 C3 D1 D2 D3

Public Side, Private Side No Lead, No Lead | No Lead, No Information | No Information, No Information

February 16, 2017

N

1 inch = 100 feet

0 100 200 400 Feet

Village of Batavia Possible Lead Areas

C3

B2

B3

C2

C3

D2

D3

Public Side, Private Side No Lead, No Lead | No Lead, No Information | No Information, No Information

February 16, 2017

N

1 inch = 100 feet

0 100 200 400 Feet

Village of Batavia Possible Lead Areas



Public Side, Private Side No Lead, No Lead | No Lead, No Information | No Information, No Information

February 16, 2017

N

1 inch = 100 feet

0 100 200 400 Feet

Village of Batavia Possible Lead Areas



Public Side, Private Side No Lead, No Lead | No Lead, No Information | No Information, No Information

February 16, 2017

N

1 inch = 100 feet

0 100 200 400 Feet

Village of Batavia Possible Lead Areas

D3



Public Side, Private Side No Lead, No Lead No Lead, No Information No Information, No Information

February 16, 2017

N

1 inch = 100 feet

0 100 200 400 Feet