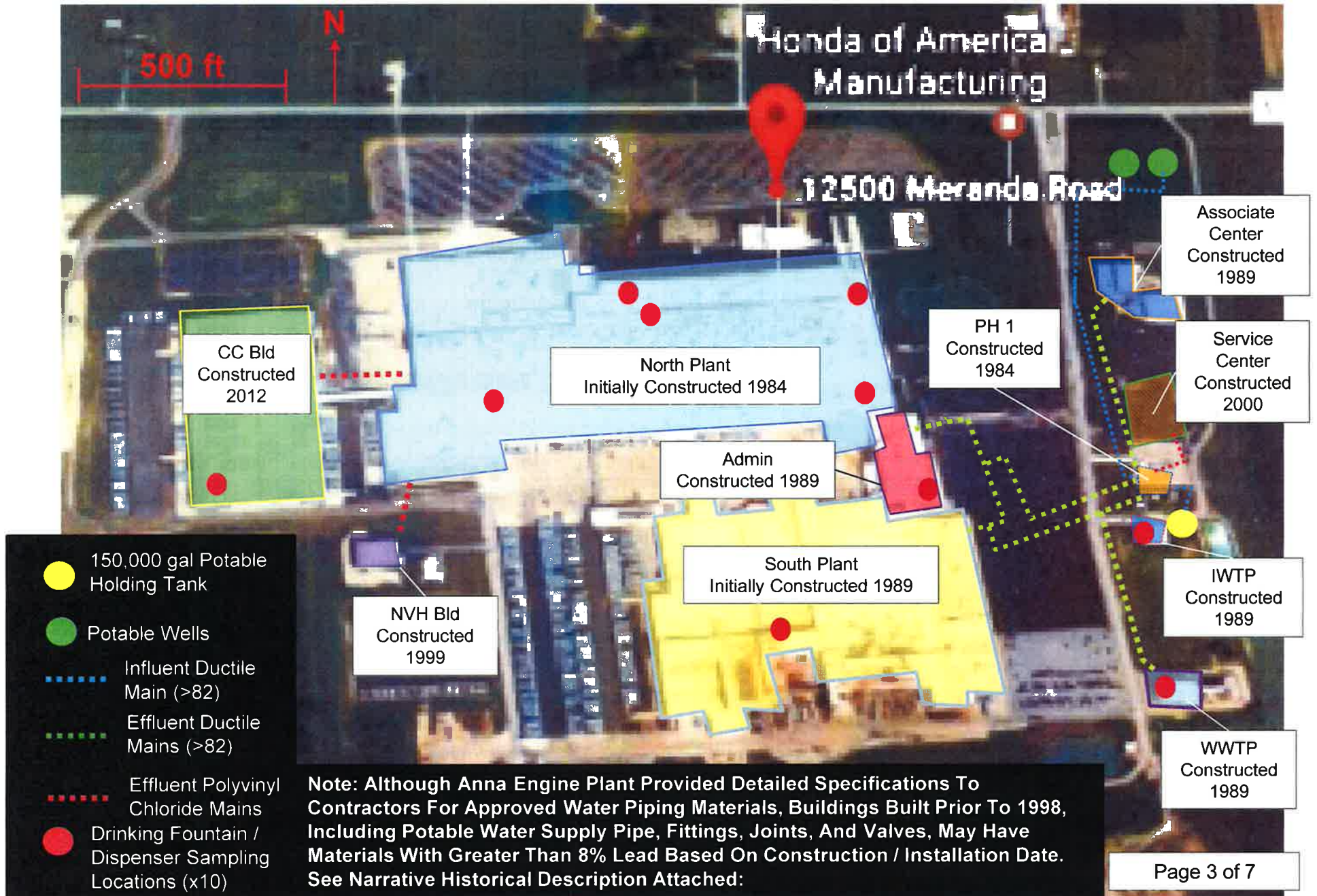


Lead Service Line And Fixture Map For Honda - Anna Engine Plant

Date: 2-9-2017
Revision Date: 3-2-2017 (Include Interior Fixtures)
Revision Date: 3-6-2017 (Include Possible Lead Content Statements)
File Name: PbCu Map
Generated By: AEP Environmental Dept.

Note: Ohio House Bill 512 Map
PWS ID: OH7537812
PWS Name: Honda – Anna Engine Plant
Address: 12500 Meranda Road
Anna, OH 45302
Phone: (937) 498-5773

Lead Service Line And Fixture Map (PWS ID OH7537812)



Lead Service Line And Fixture Map (PWS ID OH7537812)

Narrative Historical Description:

Anna Engine Plant began construction in 1984. The original potable water supply lines and associated equipment were installed in 1985 according to the original equipment specifications for underground and aboveground water supply materials listed below. The original plant structure consisted of the eastern portion of the North Plant illustrated on page six. Since that time, five major expansions have occurred to the original plant including several detached structures. See map on page three for structure construction dates. *Note, Buildings built prior to 1998 or that use plumbing material or solder manufactured before 1998 may have materials with greater than 8% lead or that use plumbing material or solder manufactured before 1998 may have materials with greater than 8% lead and are at higher risk of contributing lead to 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. However, although prohibited, some use of leaded solder or leaded components may have occurred after the prohibitions became effective.*

Summary of Original Master Water Piping Specifications (Used Between 1985 and 1998):

Underground Water Mains: Installed Per ANSI C-600-77 "Installation of Gray and Ductile Cast Iron Water Mains and Appurtenances"

Approved Underground Materials (Used Between 1985 and 1998):

- Pipe:
- A. Ductile Iron: 3 Inch and Larger, Thickness Class 52 Cement Lined With 1/32" Coal Tar Enamel Per ANSI 2
 - B. Type K Soft Copper: 2 Inch and Smaller, Per ANSI H23.1-1973.
- Joints:
- A. Ductile Iron: Mechanical Joint With Lead Tipped Gaskets Per ANSI A21.11 And ANSI A21.51.
 - B. Ductile Iron: Push-On Joint With 2 Bronze Wedges Per Joint; Per ANSI 21.11 And ANSI 21.51.
 - C. Copper: Wrought Copper Pressure Couplings Silver Brazed Per ANSI B16.22-1973 And ANSI B31.1-1973.
 - D. Copper: Flared Couplings Per ANSI B16.26 – 1975.
- Fittings:
- A. Ductile Iron: Mechanical Joint With Lead Tipped Gaskets, Class 250, Cement Lined With 1/32" Coal Tar Enamel Coating; Per ANSI A21.10 and ANSI 21.11.
 - B. Copper: Wrought Copper Pressure Fittings Silver Brazed Per ANSI B16.22-1973.
 - C. Copper: Flared Fittings Per ANSI B16.26-1975.
- Valves:
- A. Cast Iron Bronze Mounted, Zinc Coating Not Allowed, Per AWWA C500, FS WW-V-58B.

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Approved Aboveground Materials: (Used Between 1985 and 1998):

- Pipe:
- A. Galvanized Steel: 3 Inch and Larger Schedule 40, Per ASTM A120-68A.
 - B. Copper Tube: 2-1/2 Inch And Smaller Type "L" Per ANSI H23.1-73, ASTM B88-75.
- Fittings:
- A. Galvanized: 125 Pound Screwed, Per ASTM A120-68A, ANSI B2.1-68.
 - B. Galvanized: 125 Pound For Grooved Mechanical Couplings, Per ASTM D735-61, ASTM A183-61.
 - C. Copper Wrought Copper Solder Joint, ANSI B16.22-73.
- Joints:
- A. Galvanized: Screwed Per ANSI B2.1-68.
 - B. Galvanized: Grooved Mechanical Joints With Rubber Gasket, Per ANSI D735-61, ASTM A183-61.
 - C. Copper Solder 95% Tin and 5% Antimony, Per ASTM B32-70.**
 - D. Copper Flux Used With Solder Shall Be Reinforced With Copper Particles Similar To "NIBCO Copperized Flux".
- Unions:
- A. Galvanized Pipe: 3 Inch And Larger, 125 Pound Cast Iron Screwed Flanges, Per ASTM B16.1.
 - B. Copper Tubing: 2-1/2 Inch and Smaller, Solder Joint Ground Seat.
 - C. Dielectric: Use In All Connections Between Copper Tube And Galvanized Pipe, Steel Or Cast Iron Equipment Or Items Of Dissimilar Metals.
- Valves:
- A. Ball Valves: 2 Inch And Smaller, All Bronze Similar To NIBCO No. T-595Y or S-595Y.
 - B. Gate Valves & Globe Valves: 2-1/2 Inch And Smaller, All Bronze Construction Per ASTM B-62
 - C. Check Valves: 2-1/2 Inch And Smaller: Bronze Construction Per ASTM B-26
 - D. Gate Valve 3 Inch And Larger: Iron Body Bronze Trim Per ASTM A-126 Class B,
 - E. Check Valve 3 Inch And Larger: Iron Body Bronze and Brass Trim Per ASTM A-126 Class B.

Lead Service Line And Fixture Map (PWS ID OH7537812)

Interior Fixtures:

Fixtures: Prior to 1989, Honda – Anna Engine Plant did not have a specification for interior plumbing fixture material. The map below identifies the approximate interior section of the original plant in which no specification existed for interior plumbing fixtures prior to 1989. However, a major renovation in 2012 included the removal of the original cafeteria and renovation of original locker and wash room. See page 7 for specified materials approved for use starting in 1989 for interior fixtures according to Honda – Anna Engine Plants Plumbing Specification.



Note: The Interior Fixtures, Fittings, and Solder Indicated In Red And Yellow Are At The Greatest Risk For Containing Materials With Greater Than 8% Lead Based On Construction / Installation Date.

Lead Service Line And Fixture Map (PWS ID OH7537812)

Approved Fixtures Materials: (Used Between 1989 and 1998):

- Lavatory:
- A. Bowl: American Standard No. 0355.012.
 - B. Trim: American Standard No. 2379.071. Chrome Plated Brass.
 - C. Supply: 3/8" Supply Risers, Chrome Plated.
 - D. Trap: 17 Gauge Tubular Brass, Chrome Plated.
- Sink:
- A. Bowl: Elkay No. WNSF-8124, Nickel Stainless Steel.
 - B. Trim: Chicago Faucet No. LK-66A.
 - C. Drain: Elkay No. LK-3 Chrome Plated Stamped Brass.
 - D. Trap: 17 Gauge Tubular Brass, Chrome Plated.
- Shower:
- A: Trim: Powers No. L-425-C-L-2-0-0-0.
- Water Cooler:
- A. Elkay Series EFA-14.
 - B. Handicapped Elkay Series EHFS-8.
 - C. Supply: Plain Brass Valve With Copper Risers.
- Safety Shower
- A. Haws Model 8300, Eyewash With Chrome-Plated Brass.
 - B. Shower Head Of Brass.
- Water Closet:
- A. American Standard No. 2477.016.
 - B. Flush Valve: Sloan Royal No. 116 YK YK.
- Urinal:
- A. American Standard No. 6561.017.
 - B. Flush Valves: Sloan Royal No. 186YB.