

***City of Athens
Engineering & Public Works
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Athens, Ohio 45701
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March 7, 2017

Mr. Eric Hart – Drinking Water
OEPA SEDO
2195 Front Street
Logan, OH 43138

Dear Mr. Hart:

Attached are the mapping and tier 1 submission requirements set forth in HB 512 for the City of Athens Public Water System (OH0500212). The narrative required is included on the map in the lower right-hand corner.

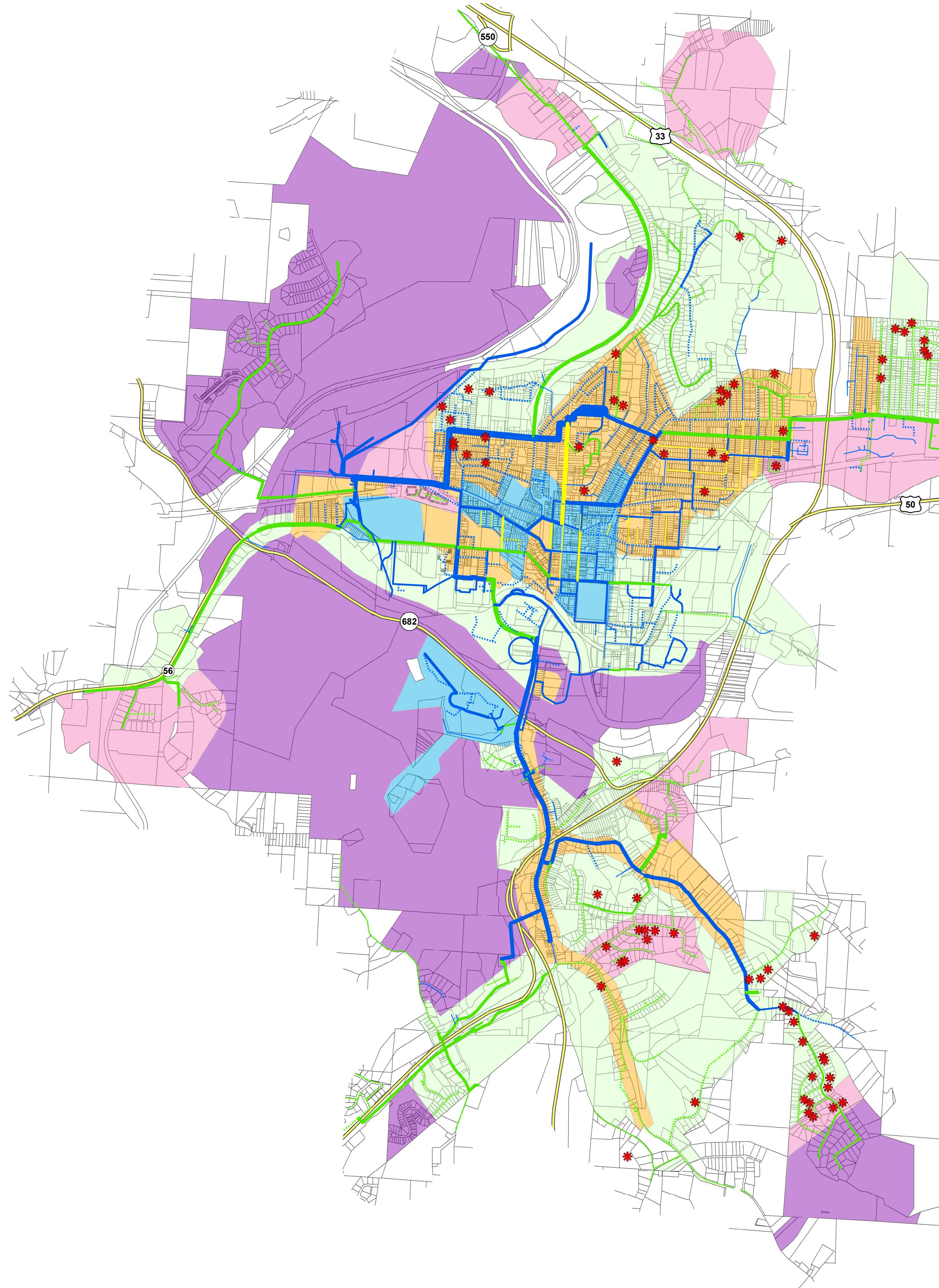
The point of contact for this letter is the undersigned at 740-593-7636 and
astone@ci.athens.oh.us.

Sincerely,

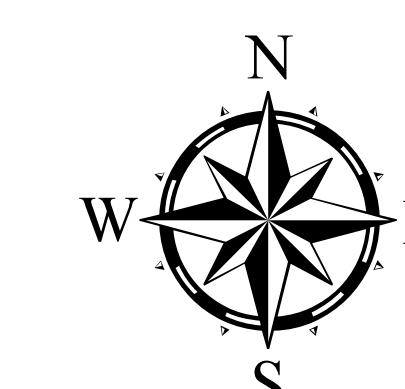
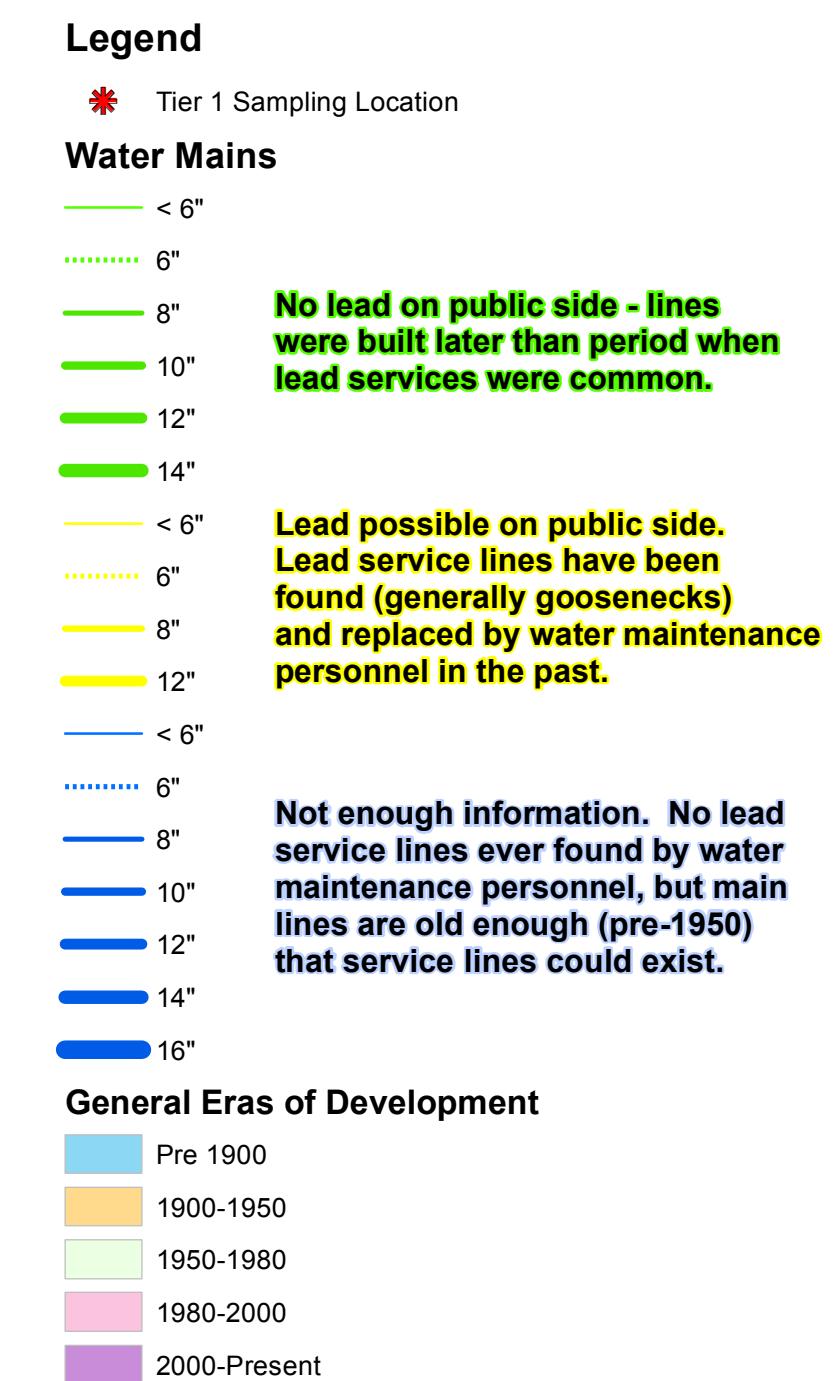
Andrew B. Stone, PE
City Engineer & Director of Public Works

Attachments:
Map
Tier 1 site list

cc:
Ohio Department of Health
Ohio Department of Job and Family Services



City of Athens, Ohio Lead Piping Exhibit



0 0.25 0.5 1 Miles



The City of Athens PWS follows the Safe Drinking Water Act, under which the U.S. Environmental Protection Agency (EPA) established the action level for lead in drinking water at 15 micrograms/liter (ug/L), or parts per billion (ppb). The rule requires Public Water Systems (PWS) ensure that water from taps used for human consumption do not exceed this level in at least 90 percent of the sites sampled around the system (90th percentile value). The "action level" is the concentration of a contaminant which, if exceeded, triggers additional treatment or other requirements which a PWS must follow. Because lead may pose serious health risks, the EPA established a Maximum Contaminant Level Goal (MCLG) of zero for lead. The MCLG is the level of a contaminant in drinking water below which there is no known or expected risk to health. MCLGs allow for a margin of safety.

The City of Athens PWS regularly tests both source water and finished water leaving the treatment plant for its corrosiveness and effects on plumbing. Athens Public Water System controls these levels very carefully to ensure water remains stable in order to limit its corrosive potential. The annual average for 2016 for pH was 7.8 for treated water. Additionally, since 1992 the City under U.S. EPA mandate has tested many homes around the community, and currently the city tests on a tri-annual basis (Tier 1 sites). These locations are shown on the map. In all cases the 90th percentile value of these tests has been 5 ppb or lower and has generally trended down over time. However, the city informs customers through its annual Consumer Confidence Report (CCR) to remember that water has a natural solvent capability, and water that sits in pipes unused for extended periods of time (months or more) still has the potential to leach lead from those pipes. Portions of household plumbing systems that go unused for a long time should be flushed before drinking water from that section of the building by running the water for a few minutes.

The policy of the City of Athens is to prohibit installation of lead pipe, fittings, or fixtures, and to remove any lead items found in the public water system during maintenance activities. Areas noted on the map with lead found on the public side of the water system do not definitively have lead, but lead service lines have been found on those streets in the past and removed. In nearly all cases the lead was a short gooseneck connection from the service line to the main. Lines noted on the map as "unknown" have never had lead found during maintenance work, but are old enough to have been installed when lead was still used. All lines marked as "no lead" have been installed after the ban on lead was imposed. All references are made to the "public" side of the system, that is, from the meter out to the main and back to the plant/reservoirs. There are no records for the customer side of service lines.

The map further breaks down the city into eras of development, to give indication of when buildings may have been constructed. These sections were determined by historic atlases and historic aerial photos. The City of Athens public water system does not keep records of when buildings were constructed.