

Why You Should Read This: The document below reviews the environmental impact likely from a project. This project is planned to be federally funded. You are entitled to take part in its review. If you have concerns about the environmental impact of this project, raise them now. We encourage public input in this decision making process.



IOWA STATE REVOLVING FUND
FINDING OF NO SIGNIFICANT IMPACT

April 16, 2025

To: All Interested Citizens, Government Agencies, and Public Groups

An environmental review has been performed based on the procedures for implementing the National Environmental Policy Act (NEPA), for the proposed agency action below:

Applicant: Burlington Municipal Water Works (BMWW) **SRF Number:** FS-29-23-DWSRF-086
County: Des Moines **Iowa DNR Project Number:** W2023-0116
State: Iowa

The Burlington Municipal Water Works (BMWW) located in Burlington, Iowa is planning an upgrade to their drinking water infrastructure. BMWW has applied for financial assistance through the State Revolving Fund (SRF) loan program to build the project. The State Revolving Loan Program is a program authorized by the Environmental Protection Agency (EPA) and administered by the Iowa Department of Natural Resources (DNR) in partnership with the Iowa Finance Authority.

The City of Burlington is located in Des Moines County, Iowa approximately 70 miles southwest of Davenport, Iowa and 80 miles southeast of Ottumwa, Iowa. The population of Burlington according to the 2020 US Census was 23,982. The Iowa Department of Natural Resources program to replace lead service lines started in 2021. Its objective is to inventory and start process of replacing all lead service lines in the state. Lead piping is a concern due to corrosion. While typical systems manage their water chemistry to prevent corrosion, the lead material is still present and poses a potential hazard to the community. When lead pipe corrosion occurs, there may be spikes in premature birth, increased blood pressure, and anemia. This has resulted in a nationwide effort to inventory and replace lead service lines due to the health concerns. Replacing these lead pipes in such varied piping situations requires clear communication, and often coordination, with private landowners.

The purpose of this project is to make improvements to the water supply system to better prevent contamination due to lead pipes to safely and reliably operate the Burlington Municipal Water Works system for at least the next 20 years. The proposed project will remove lead service line segments owned by BMWW within the City of Burlington and downstream water service segments that are lead or galvanized (GRR) owned by private property owners. Lead service lines will be replaced by excavating existing service connection, disconnecting from main, retapping service, connecting new copper service line and appurtenances, and connecting to residential service. Anticipated depth of excavation ranges from 3 feet to 8 feet based on general service depths previously found in the system from historical excavations. Replacement includes any

necessary pavement removal, removal and plugging of old service connections, retapping of new lines, installation of new line, all fittings and other appurtenances, and surface restoration including pavement.

The project will not significantly affect the pattern and type of land use (industrial, commercial, agricultural, recreational, residential) or growth and distribution of population. The project will not conflict with local, regional or State land use plans or policies. The project will not impact wetlands. The project will not affect threatened and endangered species or their habitats. If any State- or Federally-listed threatened or endangered species or communities are found during the planning or construction phases, additional studies and/or mitigation may be required. The project will not displace population, alter the character of existing residential areas, or convert significant farmlands to non-agricultural purposes. The project will not affect the 100-year flood plain. The project will not have effect on parklands, preserves, other public lands, or areas of recognized scenic or recreational value.

No historic properties will be adversely affected by the proposed project. However, if project activities uncover any item(s) that might be of archaeological, historical, or architectural interest, or if important new archaeological, historical, or architectural data should be encountered in the project APE, the applicant should make reasonable efforts to avoid further impacts to the property until an assessment can be made by an individual meeting the Secretary of the Interior's professional qualifications standards (36 CFR Part 61).

The project will not have a significant adverse effect upon local ambient air quality provided the applicant takes reasonable precautions to prevent the discharge of visible emissions of fugitive dusts beyond the lot line of the property during the proposed project (567 IAC 23.3(2)“c”). The project will not have a significant adverse effect upon local ambient noise levels, surface water quantity, groundwater quality or quantity, or water supply. No significant impact to surface water quality, fish, shellfish, wildlife, or their natural habitats is expected from this project. All lead pipe shall be abandoned in place and physically disconnected from the active distribution system or physically removed in entirety according to state and federal regulations.

Minimum separation distances will be maintained. Noise during construction will be maintained at tolerable levels through controls on construction activities. Any construction debris will be removed from the site for proper disposal. Adverse environmental effects from construction activities will be minimized with proper construction practices, inspection, prompt clean up and other appropriate measures. Areas temporarily disturbed by the construction will be restored.

It has been determined that the proposed action will result in no significant impacts to the surrounding environment. This determination is based on a careful review of the engineering report, the environmental assessment and other supporting data which are on file at the Department of Natural Resources' office in Des Moines, Iowa. These are available for public review upon request. A copy of the environmental assessment is attached. This Department will not take any administrative action on the project for at least thirty (30) calendar days from the above date. Persons disagreeing with the above environmental decision may submit comments to the department during this period. Your comments can be sent to SRF-PC@dnr.iowa.gov or directly to me at karrie.darnell@dnr.iowa.gov or 515-901-6817.

Sincerely,

Karrie Darnell
Environmental Specialist Senior
6200 Park Ave, Suite 200
Des Moines, IA 50321

Enclosures: Environmental Assessment
Project Map
Address List

Distribution

List (email): Dave Schechinger, Veenstra & Kimm
Edward Boling, Council on Environmental Quality
Jake Hansen, Iowa Department of Agriculture and Land Stewardship
Ken Sharp, Iowa Department of Health & Human Services
Mindy Wells, Iowa Department of Health & Human Services
Chad Sands, Iowa Economic Development Authority
Alicia Vasto, Iowa Environmental Council
Michael Schmidt, Iowa Environmental Council
Tracy Scebold, Iowa Finance Authority
Tony Toigo, Iowa Finance Authority
Lee Wagner, Iowa Finance Authority
Mickey Shields, Iowa League of Cities
Jane Clark, Sierra Club
Josh Mandelbaum, Environmental Law and Policy Center
Kate Sand, USDA Rural Development
Tokey Boswell, USDOL, National Park Service, Midwest Region
Kraig McPeck, Fish and Wildlife Service, Rock Island Field Office
Ann D'Alfonso, USEPA Region VII
Kelly Beard-Tittone, USEPA Region VII
The Hawk Eye

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IOWA STATE REVOLVING FUND
ENVIRONMENTAL ASSESSMENT DOCUMENT

PROJECT IDENTIFICATION

Applicant: Burlington Municipal Water Works (BMWW)
County: Des Moines
State: Iowa

SRF Number: FS-29-23-DWSRF-086
Iowa DNR Project Number: W2023-0116

COMMUNITY DESCRIPTION

Location: The City of Burlington is located in Des Moines County, Iowa approximately 70 miles southwest of Davenport, Iowa and 80 miles southeast of Ottumwa, Iowa.

Population: The population of Burlington according to the 2020 US Census was 23,982.

Background: The Iowa Department of Natural Resources program to replace lead service lines started in 2021. Its objective is to inventory and start process of replacing all lead service lines in the state. Lead piping is a concern due to corrosion. While typical systems manage their water chemistry to prevent corrosion, the lead material is still present and poses a potential hazard to the community. When lead pipe corrosion occurs, there may be spikes in premature birth, increased blood pressure, and anemia. This has resulted in a nationwide effort to inventory and replace lead service lines due to the health concerns. Replacing these lead pipes in such varied piping situations requires clear communication, and often coordination, with private landowners.

PROJECT DESCRIPTION

Purpose: The purpose of this project is to make improvements to the water supply system to better prevent contamination due to lead pipes to safely and reliably operate the Burlington Municipal Water Works system for at least the next 20 years.

Proposed Improvements: The proposed project will remove lead service line segments owned by BMWW within the City of Burlington and downstream water service segments that are lead or galvanized (GRR) owned by private property owners. Lead service lines will be replaced by excavating existing service connection, disconnecting from main, retapping service, connecting new copper service line and appurtenances, and connecting to residential service. Anticipated depth of excavation ranges from 3 feet to 8 feet based on general service depths previously found in the system from historical excavations. Replacement includes any necessary pavement removal, removal and plugging of old service connections, retapping of new lines, installation of new line, all fittings and other appurtenances, and surface restoration including pavement.

ALTERNATIVES CONSIDERED

Alternatives Considered: After review of the existing distribution system, BMWW identified the lead service locations. A no action alternative is not viable due to the health concerns of lead service lines.

Reasons for Selection of Proposed Alternative: The No-Action alternative is not viable due to the continued threat of water contamination due to lead piping.

MEASURES TAKEN TO ASSESS IMPACT

Public Involvement: A public hearing was held on November 12, 2024 at BMWW regular board meeting. The public notice of this hearing was made available by publication in the Des Moines County News on October 10, 2024 and placed on the Burlington, Iowa website. The purpose of this hearing was to present the environmental and financial impacts of the proposed improvement project. No written or oral comments were received.

Coordination and Documentation with Other Agencies and Special Interest Groups: The following Federal, state and local agencies were asked to comment on the proposed project to better assess the potential impact to the environment:

- U.S. Army Corps of Engineers
- U.S. Fish and Wildlife Service
- State Historical Society of Iowa (State Historical Preservation Office)
- Iowa DNR Conservation and Recreation Division
- Iowa DNR Flood Plain Management Section
- Citizen Band Potawatomi Indian Tribe
- Flandreau Santee Sioux
- Ho-Chunk Nation
- Iowa Tribe of Kansas and Nebraska
- Iowa Tribe of Oklahoma
- Kickapoo Tribe in Kansas
- Kickapoo Tribe of Oklahoma
- Lower Sioux Indian Community Council
- Miami Tribe of Oklahoma
- Omaha Tribal Council
- Osage Tribal Council
- Otoe-Missouria Tribe
- Pawnee Nation of Oklahoma
- Peoria Tribe of Indians of Oklahoma
- Ponca Tribe of Indians of Oklahoma
- Ponca Tribe of Nebraska
- Prairie Band Potawatomi Nation
- Prairie Island Indian Community
- Sac & Fox Nation of Mississippi in Iowa
- Sac & Fox Nation of Missouri
- Sac & Fox Nation of Oklahoma
- Santee Sioux Nation
- Shakopee Mdewakanton Sioux Community
- Sisseton-Wahpeton Oyate
- Spirit Lake Tribal Council

Three Affiliated Tribes Mandan, Hidatsa & Arikara Nations
Upper Sioux Tribe
Winnebago Tribal Council
Yankton Sioux Tribal Business and Claims Committee
Burlington Historic Preservation Commission

No adverse comments were received from any agencies or general public to date. Conditions placed on the applicant by the above agencies in order to assure no significant impact are included in the Summary of Reasons for Concluding No Significant Impact section.

ENVIRONMENTAL IMPACT SUMMARY

Construction: Traffic patterns within the community may be disrupted and above normal noise levels in the vicinity of the construction equipment can be anticipated during construction and should be a temporary problem. Adverse environmental impacts on noise quality will be handled by limited hours of contractor work time during the day. Other adverse environmental effects from construction activities will be minimized by proper construction practices, inspection, prompt cleanup, and other appropriate measures. Areas temporarily disturbed by the construction will be restored. Solid wastes resulting from the construction project will be regularly cleared away with substantial efforts made to minimize inconvenience to area residents.

Care will be taken to maintain dirt to avoid erosion and runoff. Temporary air quality degradation may occur due to dust and fumes from construction equipment. The applicant shall take reasonable precautions to prevent the discharge of visible emissions of fugitive dusts beyond the lot line of the property during the proposed project (567 Iowa Administrative Code IAC 23.3(2)“c”).

Temporary air quality degradation may occur due to dust and fumes from construction equipment. The applicant shall take reasonable precautions to prevent the discharge of visible emissions of fugitive dusts beyond the lot line of the property during the proposed project (567 Iowa Administrative Code IAC 23.3(2)“c”). This lead service line replacement project does not include construction of equipment that has a potential to emit criteria pollutants or hazardous air pollutants as defined in the Clean Air Act.

If construction activities find an unknown area of contamination, it is the responsibility of the applicant to follow the procedure for notification of hazardous conditions (567 IAC 131.2). Excavated soil that contains a hazardous substance must be assessed and properly disposed of (567 IAC 100.4).

All lead pipe shall be abandoned in place and physically disconnected from the active distribution system or physically removed in entirety. The Iowa Department of Natural Resources recommends that any lead pipe materials removed from water services be managed through reclamation rather than disposal. A provision in federal rules (40 CFR 261) allows for management of what would otherwise be waste scrap metal to be managed as a solid waste provided the scrap metal is reclaimed. Municipalities are encouraged to carefully evaluate scrap dealers who might take this waste to ensure the lead pipe materials will be properly recycled. Recycled lead can be put back into use through lead-acid batteries, lead shielding and other valuable uses. If a municipality chooses to dispose of the lead materials, it will be necessary to characterize the waste to determine whether it exhibits a hazardous characteristic for lead. Lead pipe materials would likely fail TCLP for lead and would then need to be managed as a hazardous waste. No landfills in Iowa can accept hazardous wastes. Lead pipe materials determined to be non hazardous could be disposed of in a solid waste landfill.

Historical/Archaeological: The State Historical Preservation Office (SHPO), the Certified Local Government, and various Native American tribes with an interest in the area were provided information regarding the

project. The DNR has determined, and the SHPO has concurred (R&C# 230629325), that this undertaking will result in “no adverse effect” to historic properties based on the scope of the project, the prior use of the project area, and the findings of the Phase I Archeological Survey and construction methods. However, if project activities uncover any item(s) that might be of archaeological, historical, or architectural interest, or if important new archaeological, historical, or architectural data should be encountered in the project APE, the applicant should make reasonable efforts to avoid further impacts to the property until an assessment can be made by an individual meeting the Secretary of the Interior’s professional qualifications standards (36 CFR Part 61).

Environmental: This project will not affect wetlands according to the National Wetland Inventory. Based on maps accessible through Google Earth, the proposed project will not interfere with any State-owned parks, recreational areas or open spaces. This project will not impact the 100-year floodplain according to the FIRM maps. The project will not impact any wild and scenic rivers as none exist within the State of Iowa. The U.S. Fish & Wildlife Service Section 7 Technical Assistance website consultation determined that the project will not impact protected species or their habitats. However, if any State- or Federally-listed threatened or endangered species or communities are found during the planning or construction phases, additional studies and/or mitigation may be required. No adverse impacts are expected to result from this project, such as those to surface water quantity, or groundwater quality or quantity. No significant impact to surface water quality, fish, shellfish, wildlife, or their natural habitats is expected from this project.

Land Use and Trends: The project will not displace population nor will it alter the character of existing residential areas. The proposed project is within the present corporate limits of Burlington in areas zoned residential, commercial, or industrial. No significant farmlands will be impacted. This project should not impact population trends as the presence or absence of existing water/sewer infrastructure is unlikely to induce significant alterations in the population growth or distribution given the myriad of factors that influence development in this region. Similarly, this project is unlikely to induce significant alterations in the pattern and type of land use.

Irreversible and Irretrievable Commitment of Resources: Fuels, materials, and various forms of energy will be utilized during construction

Nondiscrimination: All programs, projects, and activities undertaken by DNR in the SRF programs are subject to federal anti-discrimination laws, including the Civil Rights Act of 1964, section 504 of the Rehabilitation Act of 1973, and section 13 of the Federal Water Pollution Control Amendments of 1972. These laws prohibit discrimination on the basis of race, color, national origin, sex, disability, or age.

POSITIVE ENVIRONMENTAL EFFECTS TO BE REALIZED FROM THE PROPOSED PROJECT

Positive environmental effects will be maintained or, potentially improved, water quality for the citizens of Burlington by removal of a potential source of contamination in the form of lead pipes.

SUMMARY OF REASONS FOR CONCLUDING NO SIGNIFICANT IMPACT

- The project will not significantly affect the pattern and type of land use (industrial, commercial, agricultural, recreational, residential) or growth and distribution of population.
- The project will not conflict with local, regional or State land use plans or policies.
- The project will not impact wetlands.
- The project will not affect threatened and endangered species or their habitats. If any State- or Federally-listed threatened or endangered species or communities are found during the planning or construction phases, additional studies and/or mitigation may be required.

- The project will not displace population, alter the character of existing residential areas, or convert significant farmlands to non-agricultural purposes.
- The project will not affect the 100-year flood plain.
- The project will not have effect on parklands, preserves, other public lands, or areas of recognized scenic or recreational value.
- No historic properties will be adversely affected by the proposed project. However, if project activities uncover any item(s) that might be of archaeological, historical, or architectural interest, or if important new archaeological, historical, or architectural data should be encountered in the project APE, the applicant should make reasonable efforts to avoid further impacts to the property until an assessment can be made by an individual meeting the Secretary of the Interior's professional qualifications standards (36 CFR Part 61).
- The project will not have a significant adverse effect upon local ambient air quality provided the applicant takes reasonable precautions to prevent the discharge of visible emissions of fugitive dusts beyond the lot line of the property during the proposed project (567 IAC 23.3(2)"c").
- The project will not have a significant adverse effect upon local ambient noise levels, surface water quantity, groundwater quality or quantity, or water supply.
- No significant impact to surface water quality, fish, shellfish, wildlife, or their natural habitats is expected from this project.
- All lead pipe shall be abandoned in place and physically disconnected from the active distribution system or physically removed in entirety according to state and federal regulations.

THEREFORE:

The above project conforms to the criteria in 567 Iowa Administrative Code 44.10(3) for drinking relating to compliance with the National Environmental Policy Act of 1969. No adverse effect or significant environmental impact is foreseen at this time.

Karrie Darnell

Environmental Review Specialist

State Revolving Fund

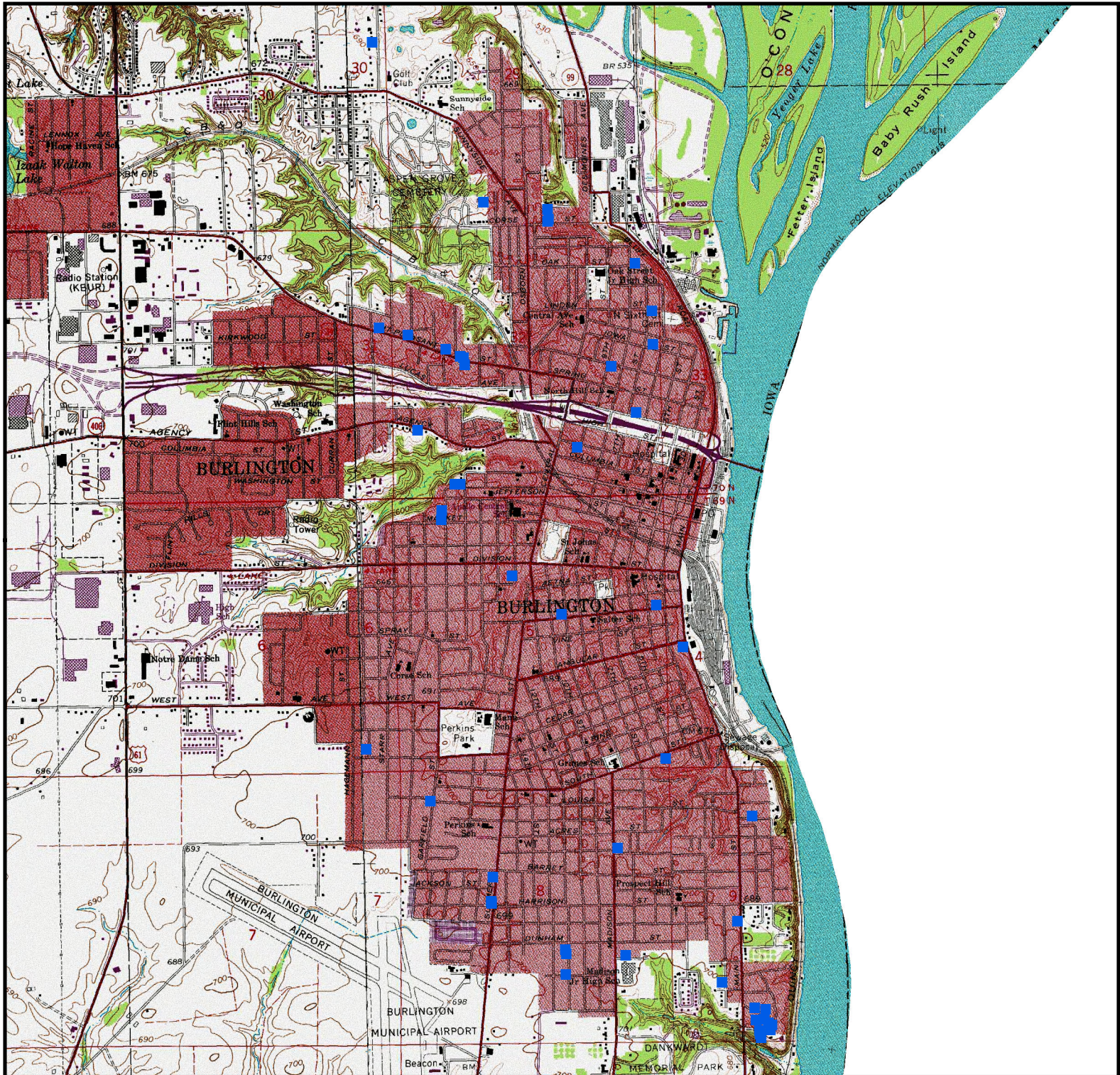
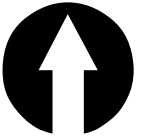
Iowa Department of Natural Resources



State Revolving Fund

6200 Park Ave, Suite 200
Des Moines, IA 50321

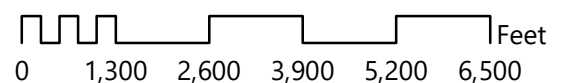
USGS 7.5 Minute Quadrangle: Burlington
Sections: 4,5,6,8,9,16,29,30,31,32,33
Township: 69, 70 N, Range: 02 W



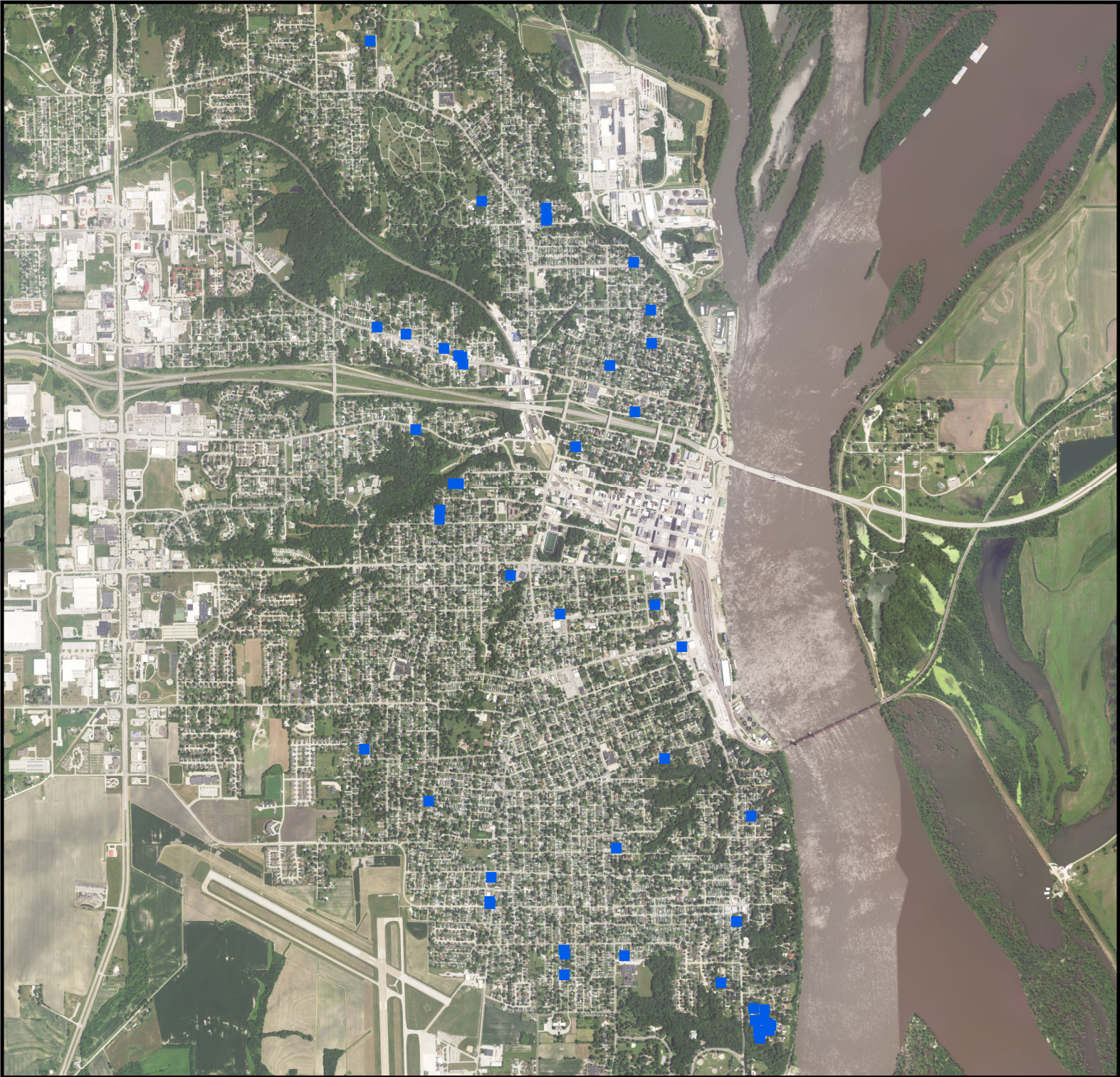
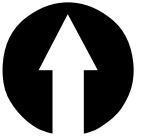
Legend

- Lead Service Line Replacement Locations

Burlington Municipal Water Works LSL Replacement Project
Burlington, IA (Des Moines County, Iowa)



Aerial



Legend

- Lead Service Line Replacement Locations

Burlington Municipal Water Works LSL Replacement Project
Burlington, IA (Des Moines County, Iowa)



Burlington Municipal Water Works Lead Service Line Replacement Project Address List				
Service Line Address	City	State	ZIP	Notes
2601 Bittersweet Place	Burlington	IA	52601	
1704 Garibaldi St	Burlington	IA	52601	
1824 Highland Ave	Burlington	IA	52601	
1808 Highland Ave	Burlington	IA	52601	
1800 Highland Ave	Burlington	IA	52601	
1502 N 8th St	Burlington	IA	52601	
1230 N 7th St	Burlington	IA	52601	
1718 Mt Pleasant St	Burlington	IA	52601	
1608 Mt Pleasant St	Burlington	IA	52601	
614 Iowa St	Burlington	IA	52601	
1508 Mt Pleasant St	Burlington	IA	52601	
1406 Mt Pleasant St	Burlington	IA	52601	
1410 Mt Pleasant St	Burlington	IA	52601	
1403 Mt Pleasant St	Burlington	IA	52601	
821 Franklin St	Burlington	IA	52601	
618 Arch St	Burlington	IA	52601	
1421 Agency St	Burlington	IA	52601	
1003 Court St	Burlington	IA	52601	
1502 Jefferson St	Burlington	IA	52601	
1504 Jefferson St	Burlington	IA	52601	
1506 Jefferson St	Burlington	IA	52601	
117 N Garfield Ave	Burlington	IA	52601	
103 N Garfield Ave	Burlington	IA	52601	
313 Marietta St	Burlington	IA	52601	
320 Maple St	Burlington	IA	52601	
906 Maple St	Burlington	IA	52601	
607 S Main St	Burlington	IA	52601	
1035 S Plane St	Burlington	IA	52601	
513 South St	Burlington	IA	52601	
1301 S Garfield Ave	Burlington	IA	52601	
124 Glenn Ave	Burlington	IA	52601	
1518 Madison Ave	Burlington	IA	52601	
1705 Summer St	Burlington	IA	52601	
1821 Summer St	Burlington	IA	52601	
1702 Harrison Ave	Burlington	IA	52601	
2117 S Main St	Burlington	IA	52601	
2107 S 12th St	Burlington	IA	52601	
2109 S 12th St	Burlington	IA	52601	
808 Whitewood St	Burlington	IA	52601	
2149 S 12th St	Burlington	IA	52601	
2437 S 3rd St	Burlington	IA	52601	
2 Cascade Terrace	Burlington	IA	52601	
19 Cascade Terrace	Burlington	IA	52601	service stub removal only
29 Cascade Terrace	Burlington	IA	52601	service stub removal only
5 Cascade Terrace	Burlington	IA	52601	
18 Cascade Terrace	Burlington	IA	52601	
26 Cascade Terrace	Burlington	IA	52601	
34 Cascade Terrace	Burlington	IA	52601	
28 Cascade Terrace	Burlington	IA	52601	
32 Cascade Terrace	Burlington	IA	52601	
30 Cascade Terrace	Burlington	IA	52601	
22 Cascade Terrace	Burlington	IA	52601	service stub removal; two lines at this address
22 Cascade Terrace	Burlington	IA	52601	service stub removal; two lines at this address