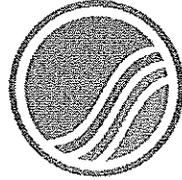


Why You Should Read This: The document below reviews the environmental impact likely from a project. This project is planned to be federally funded through your tax dollars; therefore, you are entitled to take part in its review. If you have concerns about the environmental impact of this project, raise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



IOWA STATE REVOLVING FUND
FINDING OF NO SIGNIFICANT IMPACT

December 11, 2015

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: City of Grimes

SRF No.: CS1920751 01
& FS-77-16-DWSRF-003

Project No.: S2012-0348
& W2013-0082

County: Polk

State: Iowa

The City of Grimes, Iowa is planning an upgrade to their water and wastewater infrastructure systems. The city 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 Grimes is located in Polk County approximately 17 miles northwest of Des Moines, Iowa and 31 miles south of Ames, Iowa. The population of Grimes according to the 2010 US Census was 8,246. While this project is not directly based on a specific population, the 2010 water facility plan projected a 2020 population of 16,594 and a 2030 population of 27,030 persons.

The water treatment facility and wastewater treatment facility for the City of Grimes are located adjacent to each other on the northern side of town. The quality of the raw water from the groundwater wells has changed significantly since the construction of the water plant. The change in

water quality has led to the need for additional storage for lime and lime sludge. The water treatment plant currently includes one lime sludge lagoon, which does not allow for efficient storage and disposal.

A large parallel sewer was recently constructed to convey peak wastewater flows to the wastewater treatment facility. Additional pumping capacity at the wastewater treatment facility is necessary to handle the peak flows from the new sewer. Screenings from preliminary treatment at the wastewater treatment facility are currently disposed of without further processing; this presents an increase in the likelihood that these unprocessed screenings would produce odors that would be objectionable to nearby residents. The electrical and control components at Gateway pump station are original to the station and about 20 years old. Updating of these components is recommended.

The purpose of this project is to make improvements to the City of Grimes' water and wastewater facilities to enhance safety and reliability of operations for at least the next 20 years. The proposed project includes the construction of two lime storage lagoons, a new pump station for conveying peak flows to the flow equalization basin, rehabilitation of the existing flow equalization basin to combine the two existing cells into one and add a new liner, the addition of a screening washing press, replacement of electrical and controls components at a remote wastewater pump station, and the addition of a new lime storage silo on the north side of the water treatment plant. The water treatment facility was constructed in 2001; the wastewater treatment facility was constructed in the 1970s. The pump station was constructed in the early 1990s.

Several alternatives were developed and evaluated for long term wastewater treatment, biosolids management, and collection system improvements, as well as short term improvements to the treatment facility. The No-Action alternative is not viable due to the increased demand for both water and wastewater treatment for the City of Grimes. The alternatives were evaluated using a cost comparison to determine the most cost effective option. A comparison of other non-economic factors was also evaluated to provide a recommendation of the most beneficial alternative to the City of Grimes. The new lime-storage lagoon site was selected for the availability of land, engineering criteria such as soil type, ease of use, proximity to the existing treatment facility and appropriate sizing as well as minimization of the impacts to the environment. Positive environmental effects will be continued adequate water and wastewater treatment, both in quality and quantity, for the quickly growing City of Grimes.

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

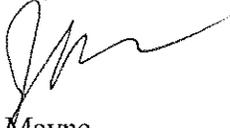
archaeological, historical, or architectural interest, or if important new archaeological, historical, or architectural data should be encountered in the project APE, the applicant should make reasonable efforts to avoid further impacts to the property until an assessment can be made by an individual 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 provided that an NPDES General Permit Number 2 (for storm water discharge associated with construction activities) is obtained and the terms of which are abided by.

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. Please direct your comments to me at jean.mayne@dnr.iowa.gov or 515-725-0487.

Sincerely,



Jean Mayne
Environmental Specialist
502 E. 9th Street
Des Moines, IA 50319-0034

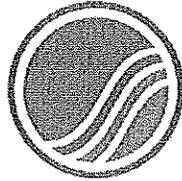
Enclosures: Environmental Assessment
Project Map

Distribution

List (email): Fox Engineering
Horst Greczmiel, Council on Environmental Quality
Jake Hansen, Iowa Department of Agriculture and Land Stewardship

Ken Sharp, Iowa Department of Public Health
Randy Lane, Iowa Department of Public Health
Leslie Leager, Iowa Economic Development Authority
Susan Heathcote, Iowa Environmental Council
Tracy Scebold, Iowa Finance Authority
Alyson Fleming, Iowa Finance Authority
Mickey Shields, Iowa League of Cities
Jane Clark, Sierra Club
Lindsay Dubin, Environmental Law and Policy Center
Daniel Hayes, USACE Rock Island District
Charlene Cole, USACE Rock Island District
Jim Carroll, USDA Rural Development
Nick Chevance, USDOJ, National Park Service, Midwest Region
Kraig McPeck, Fish and Wildlife Service, Rock Island Field Office
Christopher Simmons, USEPA Region VII
Kelly Beard-Tittone, USEPA Region VII
Northeast Dallas County Record

Why You Should Read This: The document below reviews the environmental impact likely from a project. This project is planned to be federally funded through your tax dollars; therefore, 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

ENVIRONMENTAL ASSESSMENT DOCUMENT

PROJECT IDENTIFICATION

Applicant: City of Grimes

SRF No.: CS1920751 01
& FS-77-16-DWSRF-003

Project No.: S2012-0348
& W2013-0082

County: Polk

State: Iowa

COMMUNITY DESCRIPTION

Location: The City of Grimes is located in Polk County approximately 17 miles northwest of Des Moines, Iowa and 31 miles south of Ames, Iowa.

Population: The population of Grimes according to the 2010 US Census was 8,246. While this project is not directly based on a specific population, the 2010 water facility plan projected a 2020 population of 16,594 and a 2030 population of 27,030 persons.

Background: The water treatment facility and wastewater treatment facility for the City of Grimes are located adjacent to each other on the northern side of town. The quality of the raw water from the groundwater wells has changed significantly since the construction of the water plant. The change in water quality has led to the need for additional storage for lime and lime sludge. The water treatment plant currently includes one lime sludge lagoon, which does not allow for efficient storage and disposal.

A large parallel sewer was recently constructed to convey peak wastewater flows to the wastewater treatment facility. Additional pumping capacity at the wastewater treatment facility is necessary to handle the peak flows from the new sewer. Screenings from

preliminary treatment at the wastewater treatment facility are currently disposed of without further processing; this presents an increase in the likelihood that these unprocessed screenings would produce odors that would be objectionable to nearby residents. The electrical and control components at Gateway pump station are original to the station and about 20 years old. Updating of these components is recommended.

PROJECT DESCRIPTION

Purpose: The purpose of this project is to make improvements to the City of Grimes' water and wastewater facilities to enhance safety and reliability of operations for at least the next 20 years.

Proposed Improvements: The proposed project includes the construction of two lime storage lagoons, a new pump station for conveying peak flows to the flow equalization basin, rehabilitation of the existing flow equalization basin to combine the two existing cells into one and add a new liner, the addition of a screening washing press, replacement of electrical and controls components at a remote wastewater pump station, and the addition of a new lime storage silo on the north side of the water treatment plant. The water treatment facility was constructed in 2001; the wastewater treatment facility was constructed in the 1970s. The pump station was constructed in the early 1990s.

ALTERNATIVES CONSIDERED

Alternatives Considered: Several alternatives were developed and evaluated for long term wastewater treatment, biosolids management, and collection system improvements, as well as short term improvements to the treatment facility.

Reasons for Selection of Proposed Alternative: The No-Action alternative is not viable due to the increased demand for both water and wastewater treatment for the City of Grimes. The alternatives were evaluated using a cost comparison to determine the most cost effective option. A comparison of other non-economic factors was also evaluated to provide a recommendation of the most beneficial alternative to the City of Grimes.

The new lime-storage lagoon site was selected for the availability of land, engineering criteria such as soil type, ease of use, proximity to the existing treatment facility and appropriate sizing as well as minimization of the impacts to the environment.

MEASURES TAKEN TO ASSESS IMPACT

Public Involvement: A public hearing was held on December 8, 2015 at 5:30PM at the City's regular council meeting. The public notice of this hearing was published in the Northeast Dallas County Record on October 29, 2015. 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 Water Resources Section
Citizen Band Potawatomi Indian Tribe
Delaware Tribe of Indians
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

No adverse comments were received from any agencies or general public. 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. The proposed project will disturb soils over an area greater than one acre; therefore, the applicant is required to obtain an NPDES General Permit Number 2 (for storm water discharge associated with construction activities) and abide by its terms. Provided that this permit is obtained and abided by, no significant impact to surface water quality, fish, shellfish, wildlife, or their natural habitats is expected.

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”).

Historical/Archaeological: The State Historical Preservation Office (SHPO) and various Native American tribes with an interest in the area were provided information regarding the project. The DNR has determined (R&C#150877003) that this undertaking will result in “no historic properties effected” based on the scope of the project, the prior use of the project area, and the findings of the Phase I Archeological Survey conducted on the project property. The State Historic Preservation Offices waived its opportunity to comment.

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: The project area was until very recently agricultural land, an existing water treatment plant, an existing wastewater treatment plant, an existing pump station, and an intermittent stream. According to the Iowa DNR Conservation and Recreation Division, the proposed project will not interfere with any State-owned parks, recreational areas or open spaces. The U.S. Army Corps of Engineers concurs that the project will not impact wetlands. 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, and Iowa DNR Conservation and Recreation Division

agree, that the project will not impact threatened or endangered 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. According to the Iowa DNR Water Resources Section, this project will not impact the 100-year floodplain. No adverse impacts are expected to result from this project, such as those to surface water quantity, or groundwater quality or quantity.

Land Use and Trends: The project will not displace population nor will it alter the character of existing residential areas. No significant farmlands will be impacted as per the results of a Farmland Conversion Rating form. 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.

POSITIVE ENVIRONMENTAL EFFECTS TO BE REALIZED FROM THE PROPOSED PROJECT

Positive environmental effects will be continued adequate water and wastewater treatment, both in quality and quantity, for the quickly growing City of Grimes.

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 provided that an NPDES General Permit Number 2 (for storm water discharge associated with construction activities) is obtained and the terms of which are abided by.

THEREFORE:

The above project conforms to the criteria in 567 Iowa Administrative Code 44.10(3) and 567 Iowa Administrative Code 92.8(1)“b” relating to compliance with the National Environmental Policy Act of 1969. No adverse effect or significant environmental impact is foreseen at this time.

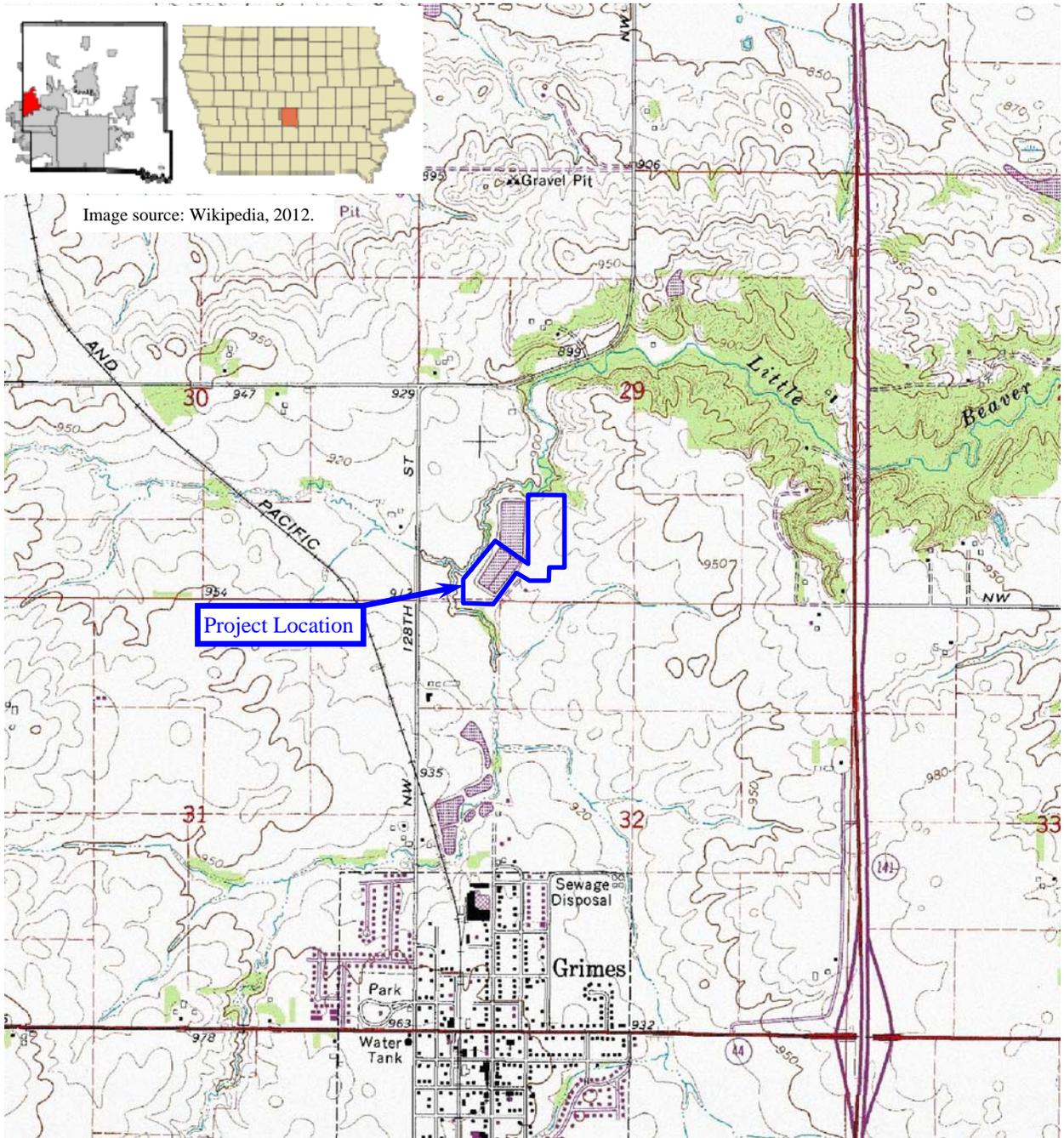


Jean Mayne
Environmental Review Services Coordinator
State Revolving Fund
Iowa Department of Natural Resources

USGS 7.5 Minute Quadrangle: Grimes
Section: 29, Township: 80 N, Range: 25 W
Date: 1976
Scale: 1 Inch = 2,000 Feet



North



USGS Topographic Map

Grimes Water/Wastewater Treatment Plant Upgrade
Grimes, IA



State Revolving Fund
502 East 9th Street
Des Moines, IA 50319-0034

2014

Location information provided by Fox Engineering



North



Aerial Photograph

Grimes Water/Wastewater Treatment Plant Upgrade
Grimes, IA

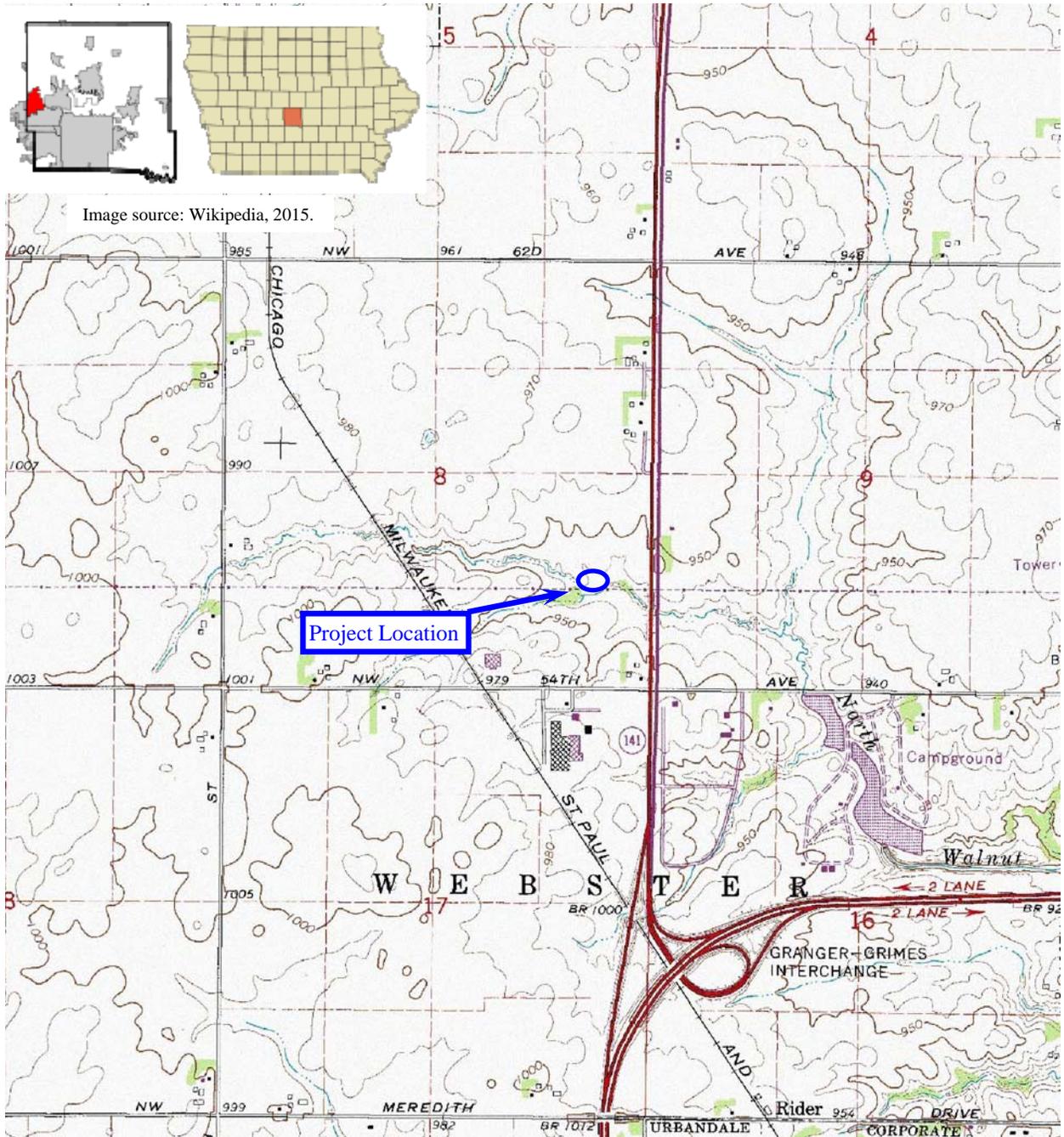


State Revolving Fund
502 East 9th Street
Des Moines, IA 50319-0034

USGS 7.5 Minute Quadrangle: Grimes
Section: 08, Township: 79 N, Range: 25 W
Date: 1976
Scale: 1 Inch = 2,000 Feet



North



USGS Topographic Map

Grimes Pump Station Upgrades
Grimes, IA



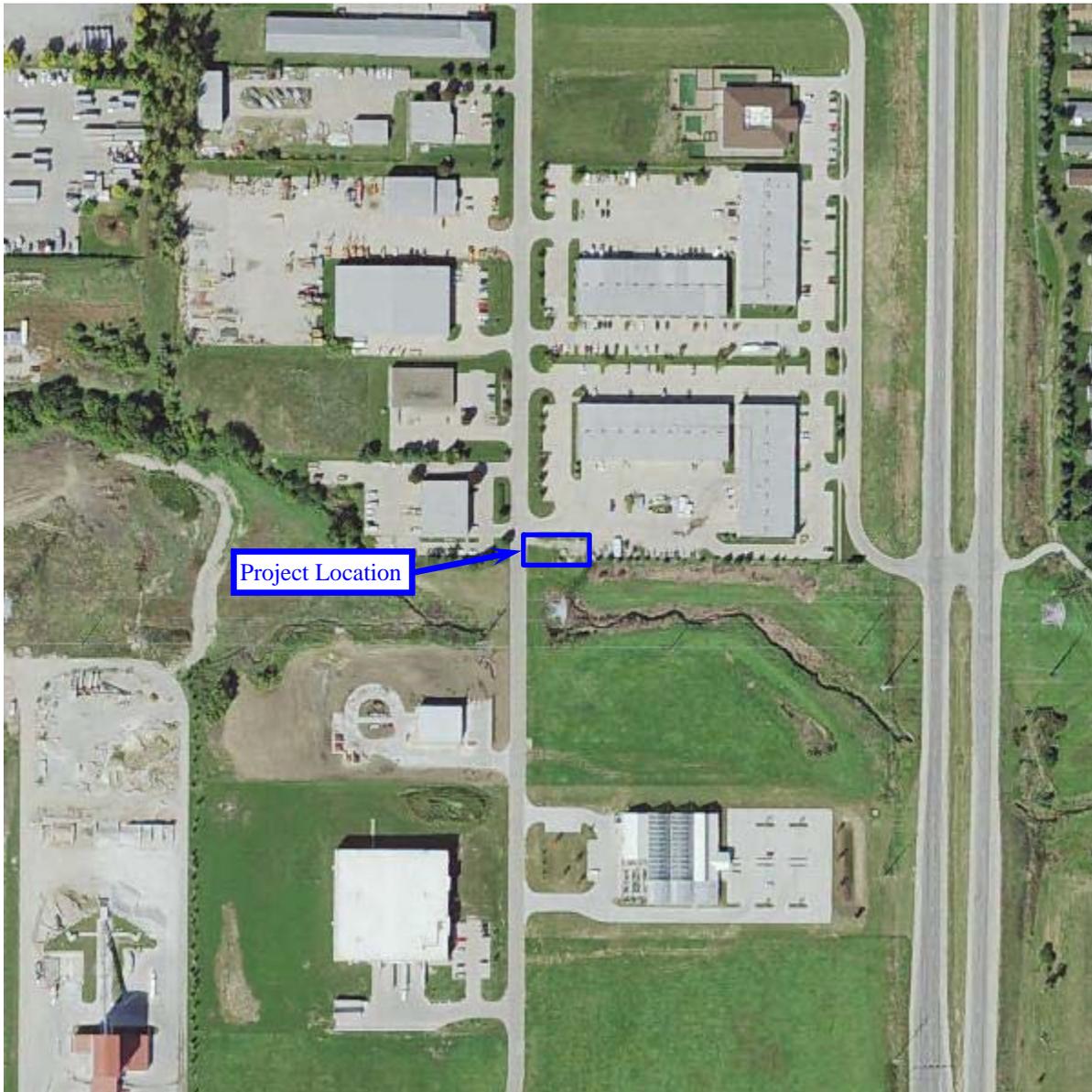
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North



Aerial Photograph

Grimes Pump Station Upgrades
Grimes, IA



State Revolving Fund
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