



ILLINOIS ENVIRONMENTAL PROTECTION AGENCY

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JB PRITZKER, GOVERNOR

JOHN J. KIM, DIRECTOR

MAR 05 2021

Project Summary and Preliminary Environmental Impacts Determination

Loan Applicant: City of St. Charles

IEPA Loan Project Number: L175899

To all interested persons:

Section 365.330 of the Illinois Procedures for Issuing Loans from the Water Pollution Control Loan Program requires that the Illinois Environmental Protection Agency (IEPA) conduct an assessment of the environmental impacts of proposed wastewater projects to be funded with loans. This review is carried out in conjunction with the Agency's review of the applicant's project plan.

Prior to final approval of the project plan, the public's comments are sought regarding environmental impacts of the proposed project. Unless new information obtained through the public comment process causes reconsideration, the Agency will approve the project plan at the close of the public comment period.

The applicant will make the attached Project Summary and Preliminary Environmental Impacts Determination (PEID) available for public inspection. Within 60 days of receiving this letter, the applicant must conduct a public hearing regarding both the PEID and project planning. Advertisement of the hearing must be made at least 10 days in advance. The advertisement must include the purpose of the project along with the date, time, and location of the hearing. A comment period of at least 10 days shall be provided after the hearing in which written comments may be submitted to the loan applicant or to the IEPA contact person identified in the attached document.

For information purposes only, a copy of this document is being provided to your local newspaper of record.

Your interest and participation in this process are appreciated.

Sincerely,

Heidi Allen
Pre-Construction Unit Manager
Infrastructure Financial Assistance Section
Bureau of Water

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Attachment

2125 S. First Street, Champaign, IL 61820 (217) 278-5800
1101 Eastport Plaza Dr., Suite 100, Collinsville, IL 62234 (618) 346-5120
9511 Harrison Street, Des Plaines, IL 60016 (847) 294-4000
595 S. State Street, Elgin, IL 60123 (847) 608-3131

2309 W. Main Street, Suite 116, Marion, IL 62959 (618) 993-7200
412 SW Washington Street, Suite D, Peoria, IL 61602 (309) 671-3022
4302 N. Main Street, Rockford, IL 61103 (815) 987-7760

Project Summary and Preliminary Environmental Impacts Determination

The following project summary and environmental assessment has been prepared by the IEPA to assist the loan applicant in complying with the public notice requirements. This report is based on information submitted to the IEPA by the City of St. Charles. Sources of information include the project plan titled Riverside Lift Station Replacement Project Planning Report, which was prepared by Trotter and Associates, Inc., dated October 2020. Additional documentation was obtained from loan application documents and compiled by the Illinois Environmental Protection Agency (IEPA).

Part I – Applicant and Project Information

Loan Applicant: City of St. Charles (City)

Project Loan Number: L175899

Project Name: Riverside Lift Station Replacement

County: Kane/DuPage

Current Population: 33,032

Future Population (30 years): 38,549

Project Description: This report has been prepared to meet the project planning and, public information requirements of the IEPA Water Pollution Control Loan Program (WPCLP). The proposed project will include removal of the existing Riverside Lift Station, which is located at the intersection of Riverside Avenue (Illinois Route 25) and Devereaux Way. A new lift station will be constructed adjacent to the current structure. The lift station will include a new dual wet well concrete structure, with a capacity of 35 million gallons per day (MGD). The existing sanitary sewer will be extended to the new lift station location and will be screened prior to entering the wet wells. Vehicle access to the station, as well as public areas around the lift station, will be improved. The lift station will be integrated into the existing Supervisory Control and Data Acquisition (SCADA) system. A new emergency, back-up generator, as well as a new odor control system will also be installed.

Project Location: See the attached map.

Project Justification: The City owns and operates a sanitary sewer collection system and two waste water treatment facilities; the Main WWTF and the West Side WWTF. The 2015 Facility Plan Update recommended replacement of the Riverside Lift Station due to condition and age. The Riverside Lift Station is located at the site of what was the City of St. Charles' first wastewater treatment facility, and part of the original structure is still utilized. This lift station was constructed in the early 1930s.

Estimated Construction Start: Spring 2022

Estimated Completion Date: Spring 2023

Part II – Project Affordability for Residents and Utility Customers

The City intends to finance the project with a loan from the WPCLP. Annual repayments on a WPCLP loan in the amount of \$10,073,913.00, with an estimated interest rate of 1.35% for a twenty (20) year period, would have an annual repayment of approximately \$578,122.75. A rate increase will be necessary to repay the loan. All loans are subject to the interest rate in effect at the time a loan agreement is issued.

The criteria used to determine incentive qualifications are found in Sections 365.210 and 365.250 of the Procedures for Issuing Loans from the WPCLP, which is available on the Agency’s website. The final decision for incentive qualification will be determined at the time a loan agreement is issued. The Agency adjusts qualifying criteria annually on July 1st.

Source of Loan Repayment: Revenues of the system

Average Monthly Residential Water Use: 6,000 gallons

Current Average Monthly Residential Cost of Service: \$64.29

Projected Average Monthly Residential Cost of Service: \$84.03

How is the monthly residential rate/cost of service calculated? The current City of St. Charles sewer use rate structure is set forth in Title 13, Chapter 12, Section 830 of the City Code. The rate structure has been reviewed and changed accordingly on an annual basis since a rate study was performed in 2011. Users are charged \$6.77 per 1,000 gallons of water used, plus a Monthly Demand Charge of \$21.38 per month, and an EPA Mandate Charge of \$2.27 per month. The total is \$64.27 per month, or \$771.24 annually.

Annual Residential Rates

Year	Sewer Use Rate (per 1,000 gallons)	Monthly Demand Charge	EPA Mandate Charge	Average Monthly Residential Bill (1)	% Increase
2021 (2)	\$6.77	\$21.38	\$2.27	\$64.27	5.50%
2022 (2)	\$7.15	\$22.56	\$2.39	\$67.83	5.50%
2023 (2)	\$7.54	\$23.80	\$2.52	\$71.56	5.50%
2024 (2)	\$7.95	\$25.11	\$2.66	\$75.49	5.50%
2025 (2)	\$8.39	\$26.49	\$2.81	\$79.65	5.50%
2026 (2)	\$8.85	\$27.95	\$2.96	\$84.03	5.50%

(1) Assumes average of 6,000 gallons of metered water consumption.

(2) Projected sewer user rate based on 5.5% annual increase

Median Household Income (MHI): \$96,197

Financial Evaluation of the proposed project: To evaluate the costs of the proposed project for the community, a percentage comparison of MHI to the average, annual cost for water service is utilized. The projected average annual water cost per customer of \$771.24 is 0.80% of the MHI for the City. The percentage is for comparison only and has no impact on whether a project qualifies for funding from the IEPA. The percentage comparison and MHI are two of several criteria used to determine whether a loan project qualifies for interest rate reductions or principal forgiveness.

Part III – Environmental Issues Associated with the Project

Project construction impacts: Temporary adverse environmental impacts such as construction-associated noise, blowing dust, air emissions, soil erosion, and minor traffic disruptions will likely occur during construction. These temporary impacts will be minimized through provisions defined in the plans (i.e. implementation of soil erosion controls, proper traffic control, set construction hours).

Illinois Department of Natural Resources- State Historic Preservation Office (IDNR-SHPO): The loan applicant submitted project information to the IDNR-SHPO for consultation under Section 106 of the National Historic Preservation Act of 1966. The Department has concluded that adverse effects are unlikely.

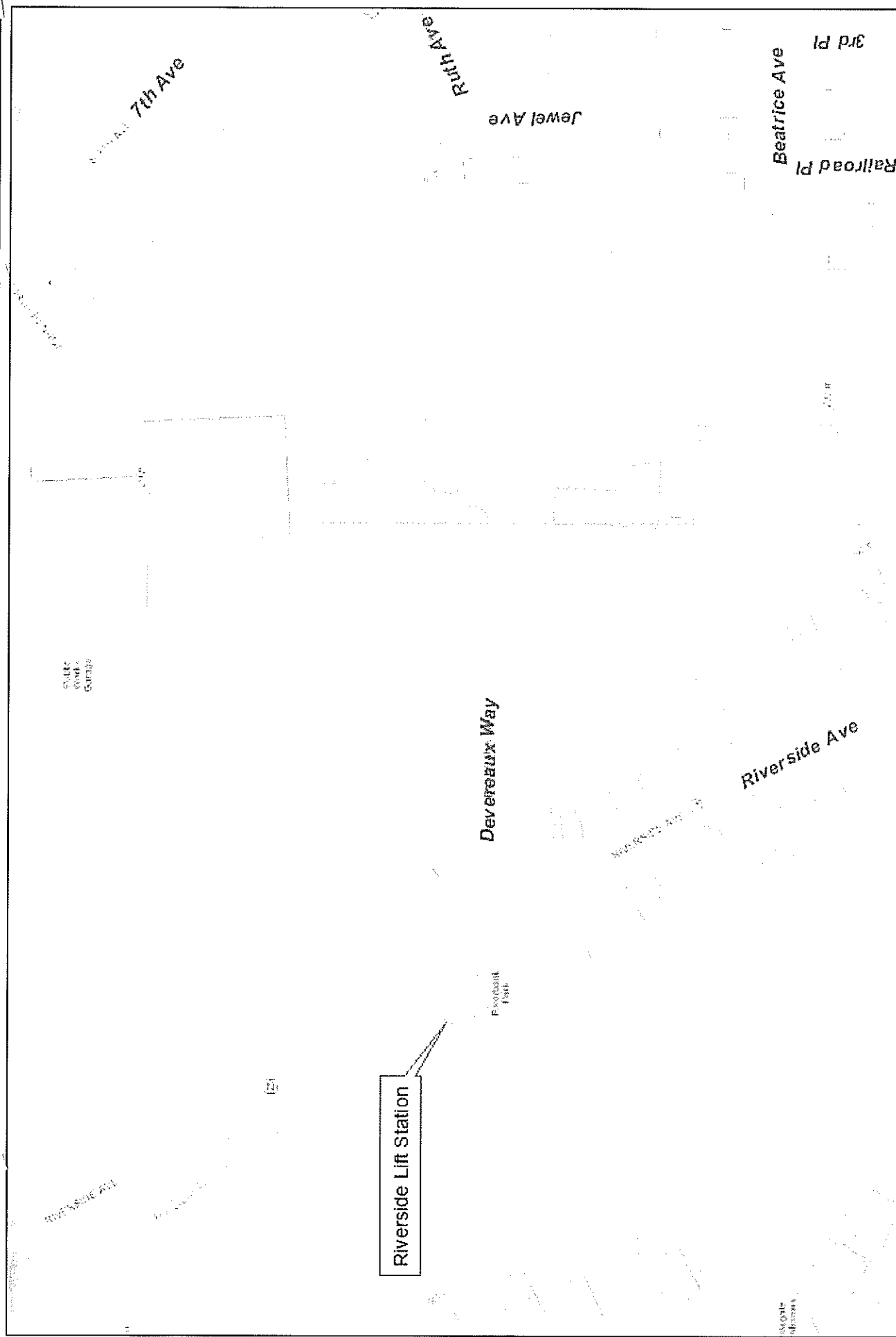
Illinois Department of Natural Resources (IDNR): The loan applicant submitted project information to the IDNR EcoCAT to determine compliance with the Illinois Endangered Species Act, Illinois Natural Areas Preservation Act, (Title 17 Illinois Administrative Code Part 1075) and the Illinois Interagency Wetlands Policy Act of 1989 (Illinois Administrative Code Part 1090). The Department has concluded that adverse effects are unlikely.

Illinois Department of Natural Resources-Office of Water Resources (IDNR-OWR): The loan applicant submitted project information to the IDNR-OWR to determine compliance with the Illinois Rivers, Lakes and Streams Act. In a February 25, 2021 letter, IDNR-OWR determined Regional Permit Number Three (RP3) authorizes construction of minor projects in Northeastern Illinois Regulatory floodways. The construction area is within this area, and the activities are consistent with the permit language. The City shall incorporate all required environmental protective and mitigative measures contained within RP3 into the design and bidding specifications for construction of the project. This determination does not exempt the boat dock from meeting the requirements of any other local, state or federal agency.

U.S. Army Corps of Engineers (USACE): In a January 15, 2021 letter, Trotter & Associates, Inc. submitted project information and a Joint Application Form for Illinois to the USACE on behalf of the City to determine USACE jurisdiction. USACE review is required for all projects located within any wetland, river, stream, flood plain, floodway, waterway, any body of water, or construction located within 250 feet of a wetland. The IEPA will not issue a loan until proof of coverage is submitted and reviewed. The City shall incorporate all, if any, required environmental protective and mitigative measures into the design and bidding specifications for construction of the project.

Public comments are invited on the proposed project. For further information, contact:

George Lambert, Project Manager
Infrastructure Financial Assistance Section
Illinois Environmental Protection Agency
Bureau of Water
1021 North Grand Avenue East
P.O. Box 19276
Springfield, Illinois 62794-9276
(217)782-2027



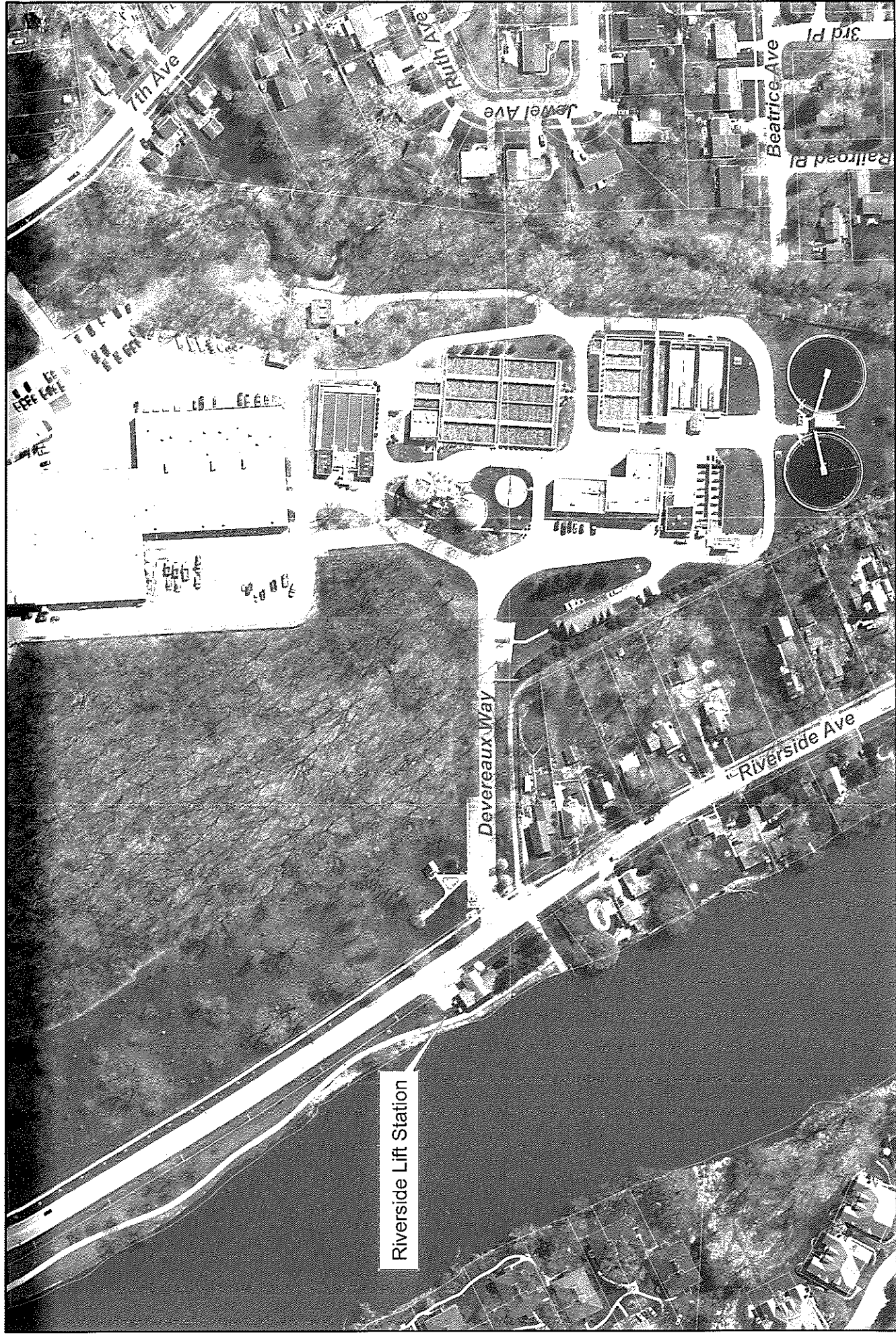
Project No.:
 Base File:
 Sheet File:
 Issue Date: April 20, 2019
 Scale: 1" = 200'

Riverside Lift Station
 Site Map
 City of St. Charles

TROTTER
 ASSOCIATES, INC.
 ENGINEERS AND SURVEYORS
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Riverside Lift Station

Project No.:	Sheet Number
Base File:	2
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Riverside Lift Station

Site Map

City of St. Charles



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