



GRETCHEN WHITMER
GOVERNOR

STATE OF MICHIGAN
DEPARTMENT OF
ENVIRONMENT, GREAT LAKES, AND ENERGY
LANSING



PHILLIP D. ROOS
DIRECTOR

January 30, 2024

TO: All Interested Citizens, Organizations, and Government Agencies

SUBJECT: FINDING OF NO SIGNIFICANT IMPACT
**Great Lakes Water Authority, Wayne County
Freud Storm Pump Station Improvements
Clean Water State Revolving Fund (CWSRF) Project Number 5708-01**

The purpose of this memorandum is to seek public comment on a preliminary decision by the Department of Environment, Great Lakes, and Energy (EGLE) that an Environmental Impact Statement is not required to implement recommendations presented in a wastewater project plan submitted by the above-referenced applicant.

The decision by EGLE is based on its review of the proposed project using an array of federal and state criteria regarding the environment and public health, including Part 53, Clean Water Assistance, of the Natural Resources and Environmental Protection Act, 1994 PA 451, as amended, being Sections 324.5301 to 324.5316 of the Michigan Compiled Laws Annotated. EGLE has determined that potential impacts to the natural and human environments either have been eliminated by changes in the project plan or will be mitigated with adherence to permit requirements. Minor construction impacts will be localized to the construction zones and will be temporary.

The attached Finding of No Significant Impact (FNSI) is EGLE's preliminary decision on its review of the proposed project. For additional information, you may request a copy of the Environmental Assessment, the detailed summary document upon which the FNSI is based.

Comments supporting or disagreeing with this preliminary decision should be submitted to me at EGLE, Finance Division, Water Infrastructure Funding and Financing Section, Constitution Hall, P.O. Box 30457, Lansing, Michigan 48909-7957. We will not take any action on this project plan for 30 calendar days from the date of this notice in order to receive and consider any comments.

In the absence of substantive comments during this period, our preliminary decision will become final. The applicant will then be eligible to receive loan assistance to construct the proposed project.

CWSRF Project Number 5708-01

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If you have any questions, please contact Jonathan M. Berman, State Revolving Fund Compliance Specialist, at 517-897-3634, by email at BermanJ@Michigan.gov, or you may contact me. Your interest in this process and the environment is appreciated.

Sincerely,

Dan Beauchamp

Dan Beauchamp, Section Manager
Water Infrastructure Funding and Financing Section
Finance Division
517-388-3380

Attachment

DEPARTMENT OF ENVIRONMENT, GREAT LAKES, AND ENERGY
Clean Water State Revolving Fund
Finding of No Significant Impact
Freud Storm Pump Station Improvements
Great Lakes Water Authority, Wayne County
January 2024

PROJECT HIGHLIGHTS

Applicant:	Great Lakes Water Authority
Address:	735 Randolph Detroit, Michigan 48226
Authorized Representative:	Suzanne Coffey, CEO and Nicolette Bateson, CFO
Project Number:	5708-01
Project Location:	Well-developed urban area in the eastern portion of Detroit
Construction Period:	Summer 2024 – Fall 2027
Pre-Design Loan Estimate:	\$135,000,000 (Clean Water State Revolving Fund allocation is \$86,800,000; remainder to be covered by the Great Lakes Water Authority)

DESCRIPTION

The Great Lakes Water Authority (GLWA) is applying for a low interest loan from the state of Michigan's Clean Water State Revolving Fund (CWSRF) to finance capital improvements for the Freud Storm Pump Station (see Figures 1-2). The work will allow for safe isolation of the storm station to carry out inspections and repairs to ensure proper functionality as well as reduce the risk of collection system surcharging and combined sewage backups into basements. The project will improve the Freud Storm Pump Station's integrity, reliability, operation, and maintenance over the life of the facility and enhance protection of public health, safety, and welfare of the residents served by this storm station over the next 50 years.

Built 70 years ago, the Freud Storm Pump Station is providing daily sanitary wastewater service outside its intended operation and thus the required annual inspections and necessary repairs are unable to take place. During a June 2021 extreme rainfall event, electrical issues with the storm station contributed to both the flooding of properties and thousands of reported water-in-basement complaints from residents of the city of Detroit's east side.

The project consists of storm station rehabilitation, dewatering pumps, wet well isolation and access, and a **new** sanitary pump station with **force main to the Detroit River Interceptor (DRI)**. Rehabilitation includes storm pumps, rotating assembly, line shafts, steady bearings, couplings, concrete pump supports, electrical, instrumentation, controls, plumbing, heating, ventilation, and air conditioning. The sanitary station will have a 30 million gallons per day rated capacity with a 71-foot total dynamic head, four submersible pumps, backup generator power, and be located south of Freud Street between Conner Street and Navahoe Street. **The force main will be an estimated 2,500 linear feet of 3-foot diameter pipe from the new sanitary station running mostly north off Navahoe Street and connecting to the 9-foot diameter DRI sewer along East Jefferson Avenue.**

COSTS

It is expected that the typical residential customer across the entire GLWA service area will see an increase of their rates by \$7.14 per year to service the CWSRF loan debt for the project.

IMPACTS AND MITIGATION

The Freud Storm Pump Station improvements project will have no significant adverse direct, indirect, or cumulative impacts upon any socioeconomic, cultural, or environmental factors. There is no anticipated service interruption to GLWA customers.

Construction work will take place where infrastructure already exists. Minimal demolition and clearing of five GLWA owned abandoned structures and vacant parcels will be necessary to develop the sanitary pump station site. Freud Street will also require site demolition for a rerouting and realignment of the existing road to install the new wet well, isolation gate risers, and structural framing. New easements and public road rights-of-way will be established for the road realignment and the long-term impact will be mitigated through design elements to address traffic flow and aesthetic issues. The planting of street trees and use of bioswale at the site will improve control of stormwater runoff and protect the Detroit River from sediment and nutrient loading. The force main routing will mainly be within the existing public road rights-of-way.

The project areas contain no critical habitat for threatened or endangered species. **The construction will result in removing an estimated 33 mature trees and the planting of an estimated 87 new trees.** All necessary tree removal, trimming, and cutting will be restricted to outside June 1 to July 31 which is the non-volant ("pup") season for federal threatened and endangered bat species. The project areas consist of hard surfaces or grass that is frequently mowed and not suitable habitat for the federally threatened Eastern Massasauga rattlesnake or Eastern Prairie Fringed Orchid.

Anticipated temporary potential adverse impacts include traffic issues outside road realignment, noise, dust, and soil erosion. Contract specifications will include measures, such as limited work hours as well as detailed sedimentation controls to minimize the extent of direct construction impacts. The construction includes no actual in-stream work or land clearing activities which would result in streambed disturbance, erosion, and sedimentation into the Detroit River.

AVAILABILITY OF ENVIRONMENTAL ASSESSMENT

EGLE prepared a separate document, an Environmental Assessment, which contains additional information about the Freud Storm Pump Station improvements CWSRF project and its impacts, to support this Finding of No Significant Impact (FNSI). This detailed document is available upon request by contacting the Water Infrastructure Funding and Financing Section at 517-284-5433.

Questions regarding the FNSI should be directed to:

Jonathan M. Berman, State Revolving Fund Compliance Specialist
Water Infrastructure Funding and Financing Section
Finance Division
Michigan Department of Environment, Great Lakes, and Energy
P.O. Box 30457
Lansing, Michigan 48909-4957
Telephone: 517-897-3634
E-Mail: Bermanj@Michigan.gov

Figure 1 – Location Map of GLWA Freud Storm Pump Station Improvements Project
CWSRF Project Number 5708-01, City of Detroit

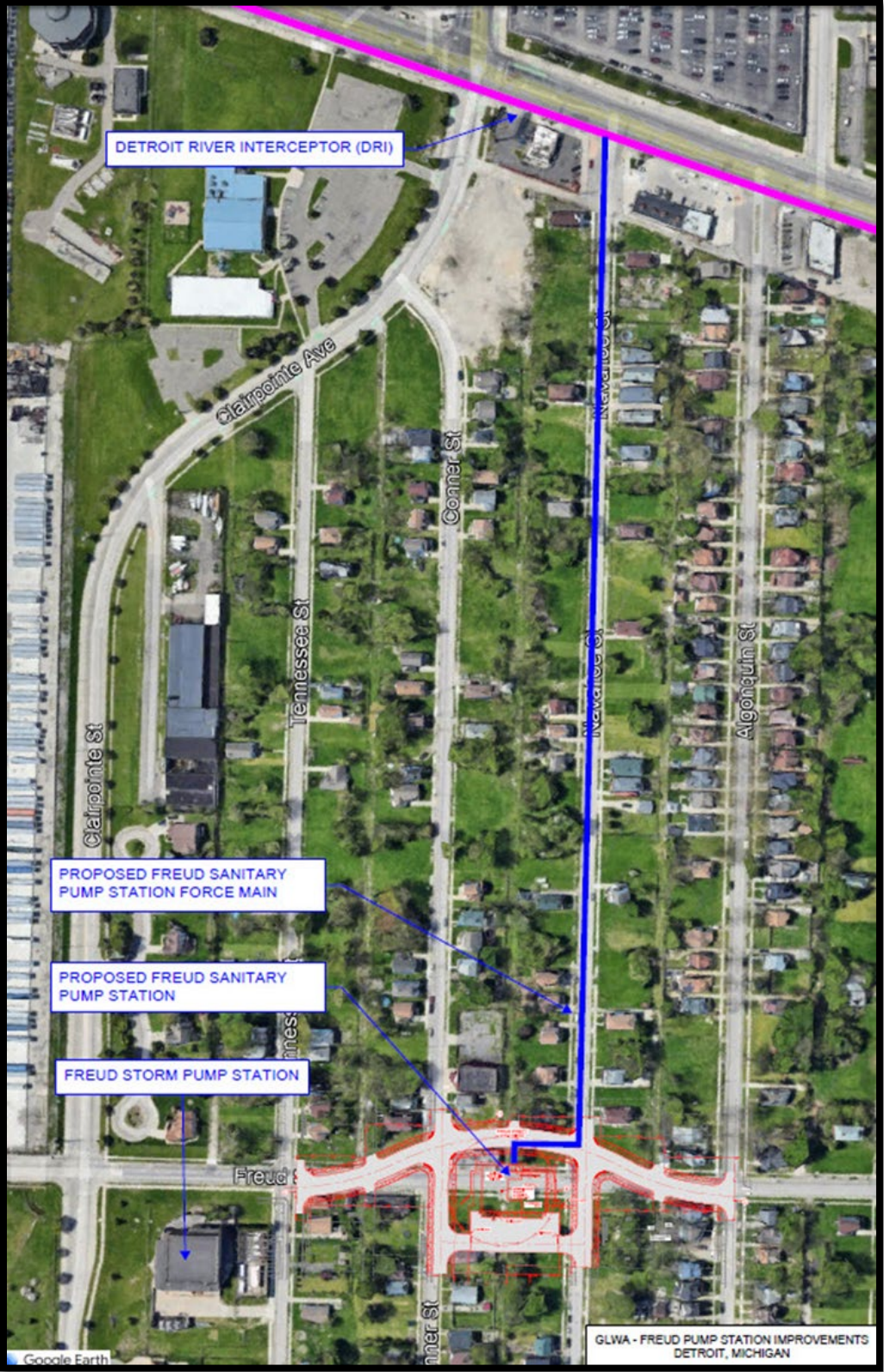


Figure 2 – Site Plan Maps of New GLWA Freud Sanitary Pump Station and Force Main

