

City of Detroit Department of Public Works
Right of Way Management
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Date: May 24, 2023
GLWA Contract No. 2204605
Our Ref: 30047523
Subject: Freud Pump Station Improvements – Petition Letter of Intent

Dear Department of Public Works:

This correspondence serves as Great Lakes Water Authority's (GLWA) letter of intent to petition the City of Detroit for a vacation and dedication of the right-of-way (ROW) application. The changes are necessary to allow for construction of the proposed Freud Pump Station Improvements.

GLWA operates Freud Storm Pump Station located at 12300 Freud Street, Detroit, MI 48125 which was constructed in the 1950's. The pump station receives flow from the 16-ft diameter Ashland Relief Sewer and the 16-ft diameter Fox Creek Relief Sewer and both relief sewers are located within the Freud Street ROW. Dry weather flow is pumped to the East Jefferson Sewer through a 5-ft diameter sewer on Tennessee Street and wet weather flow is pumped to the Conner Creek CSO Basin and Treatment Facility. The Freud Storm Pump Station is a critical component in relaying wastewater and storm water generated in the eastern portion of Detroit to the Fairview Pump Station, and ultimately, to the Detroit Water Resources Recovery Facility (WRRF). The operation of this facility is critical to prevent flooding of stakeholder's premises and protect the water quality in the Detroit River and ultimately the drinking water supply for Detroit.

The purpose of the Freud Pump Station Improvements project is to make modifications and enhancements to the pump station to protect the health, safety and welfare of residents served by improving operability, reliability, integrity, and maintainability. Key design project components include:

1. Construction of a new Isolation Shaft over the existing 16-ft diameter Ashland Relief and 16-ft diameter Fox Creek Relief Sewers on Freud Street between Conner Street and Navahoe Street. The structure will be approximately 80-ft deep with an inside diameter of approximately 70-ft. Proposed shaft will include provisions that allow GLWA to block flow to the Freud Pump Station during dry weather so the wet well can be drained, inspected and maintained. The shaft will also include a wet well with four (4) submersible pumps that will pump dry weather flow (up to 30-mgd) through a new force main on Navahoe Street to the 9-ft diameter Detroit River Interceptor on East Jefferson Avenue.
2. Construction of new 30 mgd Freud Sanitary Pump Station. A new maintenance building will house the stop logs, electrical equipment, pump station controls, and bridge crane system to move the stop logs and submersible pumps. The proposed building is approximately 87-ft long, 50-ft wide and 35-ft tall. A courtyard will enclose the two (2) gate actuators, transformer, and emergency generator. The main floor elevation of the building will be above the 500-year flood elevation (EL. 101.00 Detroit Datum).

3. Since the Freud Sanitary Pump Station will be located in the existing Freud Street ROW, Freud Street needs to be relocated to the north. Existing utilities need to be re-routed along the new Freud Street alignment for construction of the Freud Sanitary Pump Station. GLWA has acquired 22 properties for the proposed improvements. Environmental Site Assessments have been completed for these parcels and are available upon request.

The following information has been uploaded as requested in the Petition application process:

1. Drawing C-02-101 Overall Site Plan
2. Drawing C-02-103 Utility Plan
3. Freud Pump Station Improvements Legal Descriptions 1 of 2
4. Freud Pump Station Improvements Legal Descriptions 2 of 2

This information was previously submitted to the Office of the Assessor and revised based on their input.

GLWA – Owner

- Mini Panicker, PE (mini.panicker@glwater.org) – Project Manager
- Todd King, PE (todd.king@glwater.org) – System Resiliency Officer
- Biren Saparia (biren.saparia@glwater.org) – Director, Systems Operations Control, Water and Field Services
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Engineering Consulting Team

- Jeff Swartz, PE (jeffry.swartz@arcadis.com) – Project Manager (Arcadis)
- Tom Armstrong, PE (thomas.armstrong@arcadis.com) – Water Resource Manager (Arcadis)
- Fred Simmons, PE (fred.simmons@arcadis.com) – Process Mechanical Design Lead (Arcadis)
- Jim O’Neill, PE (joneill@brwncald.com) – Site Civil Design Lead (Brown and Caldwell)

GLWA and Arcadis have coordinated this project with various departments within the City of Detroit over the last two (2) years. The project was first introduced to the City of Detroit (DPW City Engineering Division) on August 18, 2020. Based on that meeting and modifications to the design, we initiated the City’s Preliminary Plan Review process and conducted a meeting on July 13, 2021. After multiple meetings with Planning and Development Department and design iterations, the project received approval from Planning and Development in early 2023.

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GLWA and Arcadis look forward to working with the City of Detroit for this critical infrastructure project. We appreciate the City's timely review and processing of this request and are available to meet and provide additional information as needed.

Sincerely,
Arcadis of Michigan, LLC



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Project Manager

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Copy:

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