



Staff Report

July 15, 2024 Council Workshop Meeting

Main Street Pump Station Improvements 2024

Presenter: Rob Charles, Utilities Manager

Time Estimate: 5 minutes

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BACKGROUND: Main Street Sewer Pump Station is the largest pump station in the city and collects sewage from over 80% of the city. It is over 20 years old and is need of new electrical equipment, control panels, variable frequency drives for the pumps, and safer hatch access to the pumps in the lower level. There is also no way for the city to measure flow from the lift station out of pump station, so a flow meter will be incorporated into the upgrades. The generator's Automatic Transfer Switch (ATS) for the generator is older and in need of replacement. Lastly, there are upgrades to HVAC equipment to allow staff to be safely in the building and limit any hydrogen sulfide exposure.

SUMMARY: Wallis Engineering, who is part of on-call for sewer services thru a Request for Qualifications process, will be designing plans and putting specifications together to upgrade or replace all the aforementioned components.



Figure 1: Control Panel



Fig 2: Variable Frequency Drive Panel



Fig 3: Electrical Panel

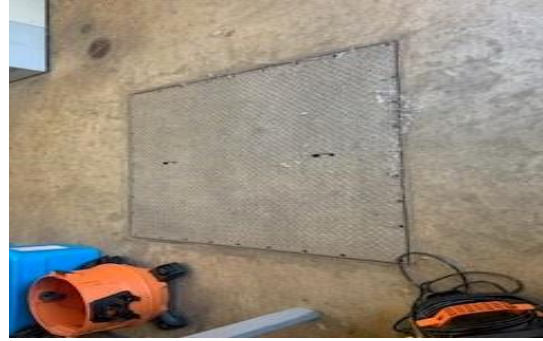


Fig 4: Substandard Hatch for Pump Access



Fig.5: Front of Pump Station



Fig 6: Site Location

BENEFITS TO THE COMMUNITY: The wet well (storage area for sewage) is not very large at this location due to property limitations and has overflowed to Georgia Pacific property in the past due to generator or other equipment failures.

BUDGET IMPACT: The proposed design work is \$125,892.73 and there is sufficient funds in sewer to cover these costs.

RECOMMENDATION: Staff recommends that this item be placed on the August 5th, 2024 Council Regular Meeting Consent Agenda for Council's consideration.