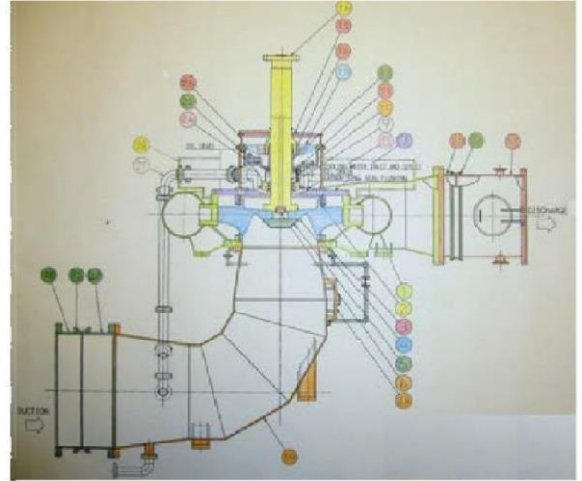


## Mainstream TARP Pumps Rehabilitation, Stickney WRP

<b>Project Number</b>	18-144-3M
<b>Service Area</b>	Stickney
<b>Location</b>	Mainstream Pumping Station
<b>Engineering Consultant</b>	In-house design
<b>Engineering Contractor</b>	To be determined
<b>Estimated Construction Cost</b>	\$20,509,000
<b>Contract Award Date</b>	December 2019
<b>Substantial Completion Date</b>	March 2023



<b>Project Description</b>	The purpose of this project is to completely overhaul TARP Pumps 1 and 3 in the South Pump House and Pump 5 in the North Pump House of the Mainstream Pumping Station, including the associated motors and discharge cone valves and actuators, in order to restore capacity and reliability. The complete overhaul of the pump and motor involves the furnishing and installing of new parts, refurbishing existing salvageable parts, replacing motor exciter panels, and upgrading pump control components.
<b>Project Justification</b>	The overhaul will reduce the maintenance labor required, allow for better pump and motor monitoring, and improve reliability. Once the overhaul is complete, there will be a reduction in the electricity usage to power pumps, as the pump will operate more efficiently by being able to pump more fluid in less time. The overhaul will also extend the useful life of the pumps and motors, which have been in service since May 1985.
<b>Project Status</b>	Design