



## Summer Village of Grandview

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### WASTEWATER UPDATE – DECEMBER 4, 2019

#### **Pump Station No. 3 Operational**

The engineering design for the Grandview wastewater system specifies the permanent flow path will be through Poplar Bay and then along Range Road 14 to the Regional Lift Station No. 3. As there were delays in the commissioning of this lift station, the decision was made to use the emergency bypass system through Crystal Springs. Since the startup of the Grandview wastewater system on October 21, 2019,, the system has been operating successfully with the flow path going through the Crystal Springs line and then to the Westrose Pump Station. This temporary flow path was designed into the municipal wastewater system for short term emergency use. It was used as an interim flow path during the time required for the completion of the construction of the Regional Pump Station No. 3 and while pumps were being commissioned in Poplar Bay. On December 3, 2019, the Crystal Springs isolation valve was closed and the Poplar Bay valve was opened, thereby establishing flows to the Regional Lift Station No. 3. It was interesting to notice a significant drop in the line operating pressure of about 15 psi after this switch was made This is attributed to the difference in elevations between the terminus of the different lines.

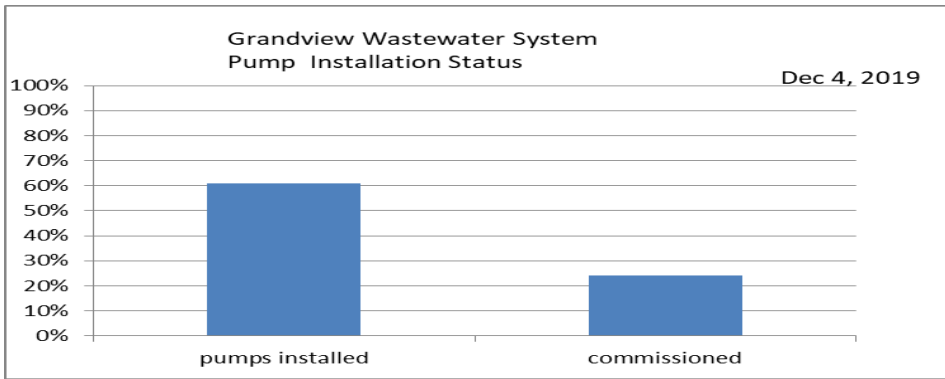
Flows will continue to go through Poplar Bay on a permanent basis, however the flows path may be periodically switched for operational reasons to increase flow velocities to assist in flushing the pipelines.

#### **Construction Activities Ending for the Winter**

The construction activities for the pipeline/service connections are essentially complete. Landscaping work has been finished and those service connections requiring attention have mostly been complete and remaining work is being addressed. Tanks will be evaluated in the spring at which time any further repair work will be completed.

Pump installations have been completed for those lots which had done the electrical preparatory work. There are many lots where the residents have decided to wait until spring before having this work done. For those lots with pumps installed, the pumps were commissioned after the fluid levels became sufficient to start up the pumps. The remaining pumps will be commissioned when sufficient level is reached in the holding tank. For the lots where the pump has not been commissioned, it is the responsibility of the resident to continue monitoring the fluid level.

## Project Status



As of December 4<sup>th</sup>, a total of 132 pumps have been installed of which 52 have been commissioned. This represents 61% and 24% respectively of the total pumps to be installed.

Residents are reminded that after their pump and control panel are installed, to call Superior Safety Codes for the final electrical inspection, pay the invoice for the pump installation, and to monitor the fluid level in the holding tanks. When the fluid level approaches the top of the Biotube, call THS (403-844-2559) to request pump commissioning.