

Staff Report

Origin

In 2008 Council approved \$1 Million funding to complete assessment and upgrading of the City's Van Horne Sanitary Pump Station in the Bridgeport Study Area. This report recommends that excess project funds be re-directed to the next priority sewer pump station upgrade projects.

Analysis

In late 2003, the City concluded a capacity and condition assessment of several pump stations including the Van Horne Sanitary Pump Station. It was recommended that the Van Horne sanitary pump station be replaced given the poor condition of this station and the considerable increase in expected flows resulting from the adjacent developments currently planned and under construction.

During 2008, staff found that a complete replacement of the Van Horne sanitary pump station was not necessary. It became possible to inspect the pump station exterior through coordination of an emergency pipe replacement that took place in 2008 immediately adjacent to the Van Horne Sanitary Pump Station. The pump station exterior was found to be in significantly better condition than previously thought.

Staff therefore proceeded with replacing the interior Van Horne pump station plumbing only, as opposed to replacing the entire pump station. This included installation of new energy efficient pumps.

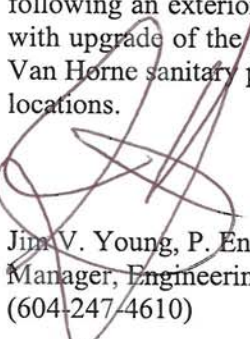
Staff have identified several other sanitary pump stations in the City Centre area, specifically Brighthouse, Jones and Richmond Centre (Attachment 1), that are in need of upgrades that do not involve complete pump station replacement and are the next priority pump station to be upgraded. It is recommended that the capital funding approved by Council in 2008 for the Van Horne sanitary pump station upgrade be used to complete upgrades to these sanitary pump stations.

Financial Impact

The estimated costs to complete upgrades of the Brighthouse (\$275,000), Jones (\$250,000) and Richmond Centre (\$225,000) sanitary pump stations is \$750,000. Funding to complete this work is available from the remaining funds in the approved Capital Account 40654 for Van Horne sanitary pump station replacement.

Conclusion

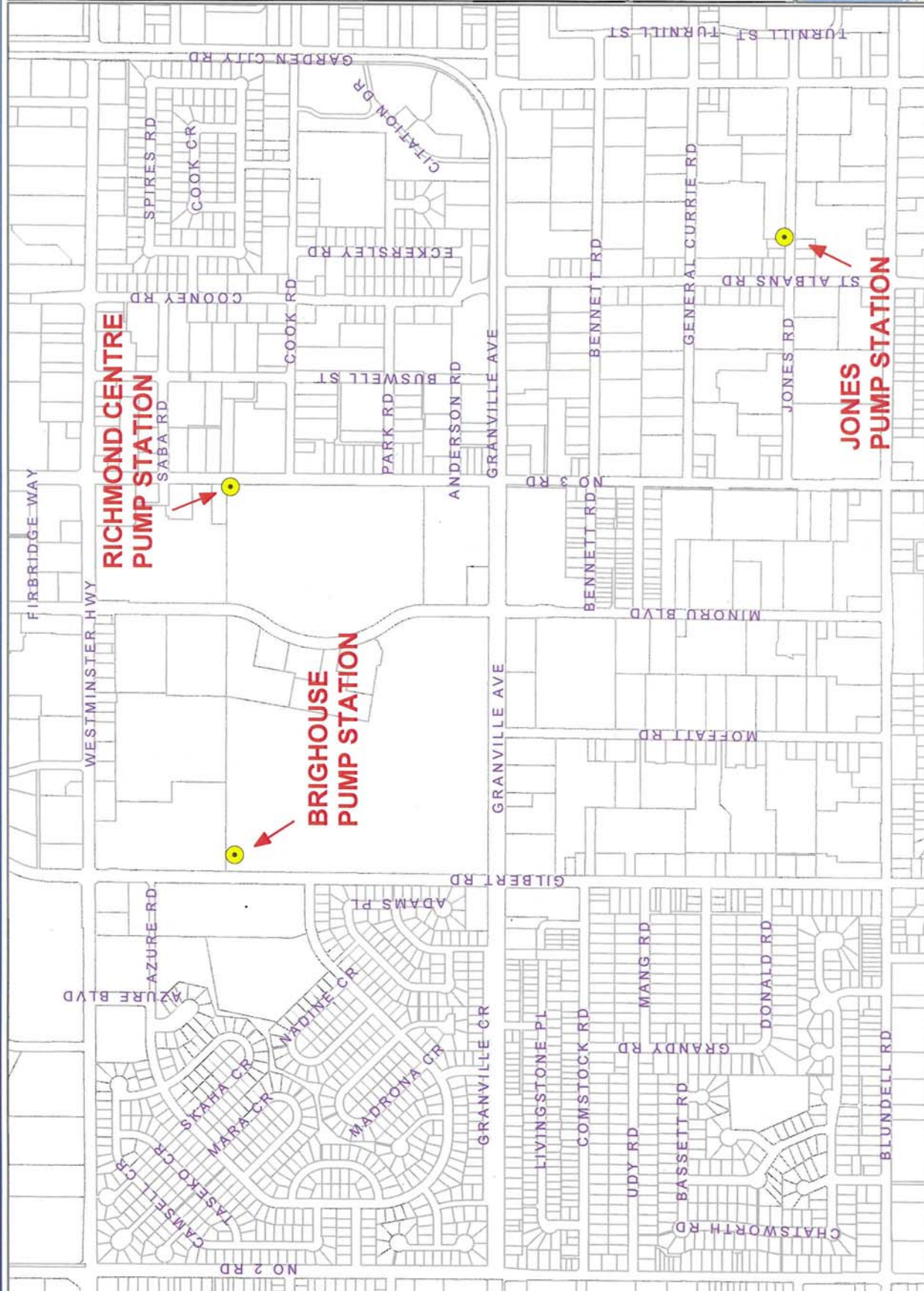
Staff found that a complete replacement of the Van Horne sanitary pump station was unnecessary following an exterior inspection/condition assessment of the pump station shell. Staff instead proceeded with upgrade of the pump station plumbing and electrical system. The funding approved by Council for Van Horne sanitary pump station replacement in 2008 is therefore available to complete upgrades at other locations.



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ATTACHMENT 1



Legend
 PUMP STATION

Not to Scale
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