

**STAFF REPORT: RECREATION DEPARTMENT**



**REPORT TO:** Infrastructure & Recreation  
**MEETING DATE:** February 12, 2013  
**REPORT NO.:** DOR.13.07  
**SUBJECT:** Ravenna Hall Water Supply  
**PREPARED BY:** Shawn Everitt  
Director of Recreation

**A. Recommendations**

THAT Council receive Staff Report DOR 13.07. "Ravenna Hall Water Supply" for information purposes.

**B. Background**

During the 2012, the Ravenna Hall has been required to move a rented portable washroom to Ravenna Hall to ensure washroom facilities are available due to the lack of sustainable water supply to the Hall.

The Hall currently is supplied water from a dug well that supplies the Hall through a ultra-violet water conditioner to ensure that any water particles are removed to ensure a safe water supply. The system does provide safety measures for the water supply, with this safety measure the system does automatically shut down when the well is unable to supply adequate supply.

When the system gets to the point where there is not adequate supply, the system is required to be re-primed. This process is completed by the Town's Water Department Staff. During this process, water tests are completed and typically an adverse water sample is a result due to the low well water levels. Once an adverse water sample is identified the supply of water is shut down by The Water Department and additional samples are taken, three (3) non-adverse water samples are required to restart the system.

Staff with the input from the Towns Water Department, Owen Sound Public Health Unit Staff and Deputy Mayor Duncan McKinley identified remedies for this system and these remedies have been reviewed. The Ravenna Hall system is regulated as a Regulation 318/08 or 319/08 water system. Options listed would be permitted under a Regulation 318/08 or 319/08 system. Staff will consult with the Health Unit prior and during any project that may be approved by Council.

Remedies that have been identified have been the following:

- a) Connect the Ravenna Hall to the existing Public Works well that supplies water to the Public Works Building "Building A on Attachment 1. This well consistently supplies an adequate level of water and it is suggested that it is very capable of supplying the water needs of the Ravenna Hall. The new connection would be made before the existing ultra violet system existing in the Ravenna Hall.

The existing Ravenna Hall well would be disconnected from the Ravenna Hall. This option may require a booster pump to pump water to the Ravenna Hall. This option would also allow for a cistern to hold water in storage and the well topping up the cistern when required by way of float control.

- b) Installation of a cistern that would be capable of receiving delivered water as well as rainwater that would only provide toilets, and Kitchen taps and washroom taps would be supplied by existing well, however this well may still have capacity issues for larger events.
- c) Installation of a large cistern that would be capable of receiving delivered water that would supply the entire Hall, this system would be able to have the level monitored and water could be delivered when required.
- d) Utilization of portable water supply system that is currently available through a commercial enterprise. This system has been used for approximately 8 years to a large facility that does not require the equipment since receiving its own municipal water service.

Option a) is recommended by staff to proceed with for creating a new sustainable water supply to the Ravenna Hall. The Public Works Building B Building A well consistently supplies an adequate level of water and it is suggested that this well is very capable of supplying the water needs of the Ravenna Hall. The option of adding a cistern at the Ravenna Hall would provide additional sustainability to this project if, in the future water supply did become an issue of supplying "Building A" and Ravenna Hall. The cistern would allow the delivery of water to the hall to limit use to just "Building A".

### **C. The Blue Mountains' Strategic Plan**

- Preserving and enhancing natural and environmental features, and cultural heritage of the community
- Supporting and development of social and recreational programs to meet the broad range of needs in the community.

### **D. Environmental Impacts**

Ensuring a sustainable water supply for Ravenna Hall.

### **E. Financial Impact**

Funding for this project has not been identified within the 2013 budget. Remaining funds from the Ravenna Hall Parking Lot in the amount of \$8,000 in 2012 were not approved as carry over funds for this 2013 project. Total costs of this project are not expected to exceed \$8,000 with the use of in-house staffing for line installation and

cistern installation. There is currently a Small Hall Reserve that has approximately \$11,000 funding as of 2013 budget approval.

Staff suggests that the connection from well to hall be made through the installation of 150 Meters of 38mm plastic water line from Building "A" to Ravenna Hall.

Cost of 150 meters of 38 mm water line	\$500
Cost of valve and connections	\$100
Cost of 3000 Gallon Cistern	\$4,000 if required
Potential Booster Pump from Building "A" to Ravenna Hall	\$500 installed

#### **F. In Consultation With**

Andrew Barton, Public Health Unit  
John Caswell, Manager of Water & Wastewater  
Darcy Chapman, Capital Accountant

#### **G. Attached**

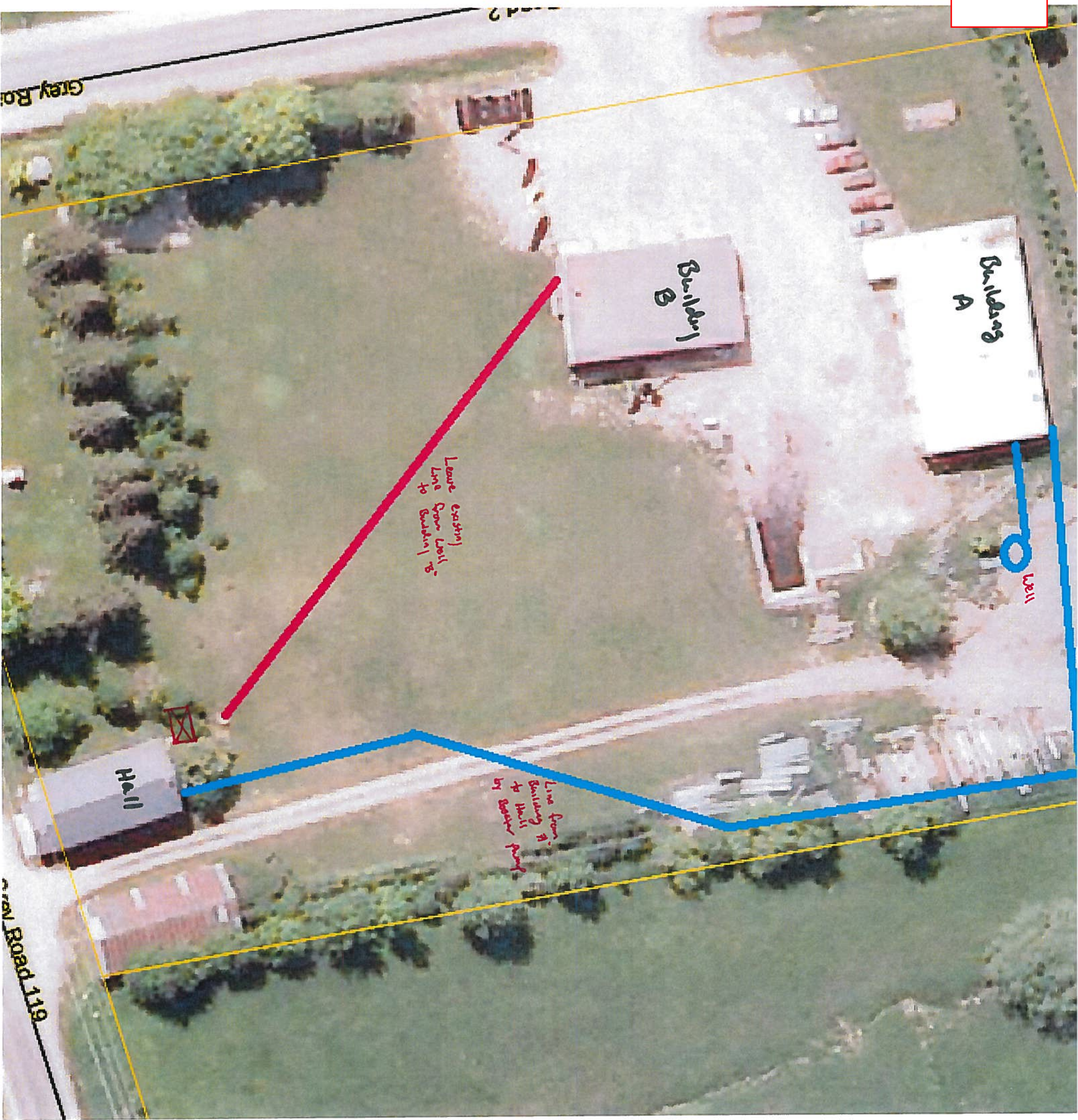
- 1) Site plan of proposed water system

Respectfully submitted,

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Shawn Everitt, Director of Recreation  
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☒ Potential option of having a cistern installed with new Line serving Cistern + Cistern feeding Hall through pressure tank + pump