

## Council Report

STAFF: Brett Pollock, Chief Building Official

DATE: June 15, 2022

SUBJECT: Century Heights Water Expansion EA Update

### Recommendation

For the information of Council.

### Background

The Township is currently undertaking a Municipal Class Environmental Assessment (MCEA) to investigate options for expanding the Century Heights Water System.

### Comment

To date the following has been completed as part of the MCEA for the Century Heights Water System expansion:

- A review of the current system has been completed to determine the current capacity of the system as well as the potential supply capacity. The review confirmed that even if storage were added the existing system, it is not considered practical or feasible to service the future growth or the existing unconnected properties in the Saltford Area.
- Due to the results of the assessment of the existing system, three potential well sites were identified. See map provided with the report for locations. As part of the MCEA process all three sites were evaluated and a preferred site has been selected. Potential Well Site 1, the former well site, was identified as the site with the highest potential. Each site was analyzed for the consideration of technical factors and Source Water Protection Policies. The advantages of Potential Well Site 1 include:
  - o Being a former well site there is greater knowledge and confidence in the potential capacity and yields.
  - o Less impact on future development
  - o Near connection point to the existing system
  - o The site is already owned by the Township.

There were a few disadvantages identified which included:

- o Any properties within 100m of the well with septic systems will require inspection under the Source Water policy.
- o Potential for GUDI conditions
- o May require upgrades to existing watermain to supply development areas

The knowledge of the existing conditions along with financial investment required in proceeding with the drilling and investigating a Potential Well Site made Potential Well Site 1 the most logical choice.

- Council has made the determination that fire protection will not be included as part of the EA process.
- The extent of the necessary proposed work has also been looked at with the following determinations made:
  - o The existing unconnected properties will not be included as part of the proposed work. This means that, at this time, the Township will not plan for new watermains or mandatory connections to service these unconnected properties.

- However, the new well and/or storage will be sized to accommodate these properties should it be decided they are to be added at some point in the future.
- The well work will include only the minimum amount of watermain required to service the proposed developments.

The next step in the process is to complete a request for quotations (RFQ) for the drilling of the test well. It is expected that the RFQ will be completed and sent out to qualified well drillers very soon with the hopes of have the well drilled and testing under way sometime in August. The estimated cost of the well is expected to be approximately \$60,000 - \$70,000.

In light of this, the Township will be discussing cost sharing / recovery with the developer. It is anticipated that a deposit will be required of the developer before proceeding with the drilling of the well and will ultimately lead to a more formal cost sharing agreement.

### Others Consulted

Mark Becker, CAO

Thomas McCarthy, Public Works Superintendent

BM Ross, Township Engineer

Respectfully submitted,

Approved by:

  
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Brett Pollock  
Chief Building Official  
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Mark Becker  
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