

HJA Water Management Consulting

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To: Mayor and Council

From: Jack Hull, Project Manager

Date: February 19, 2016

At the Committee of the Whole on February 15, 2016, the Committee received an update on the Uplands Combined Sewer Separation project and provided direction to staff to move forward with a number of project elements outlined below:

Meeting with MLA Andrew Weaver

Representatives from the Uplands Residents' Association requested that the District meet with MLA Andrew Weaver to discuss their concerns. A meeting is set for February 23 with the MLA, the Mayor, members of Council, Oak Bay staff and Uplands residents representatives.

Easements

The Committee directed staff to prepare to survey property owners with easements to determine if they would agree to having the easements enlarged and activated for the purposes of installing a second pipe. Prior to meeting with property owners, the rights of the District under the existing registered easements will be confirmed, and agreement criteria will be developed. The proposed information package and survey will be brought to a future meeting for review and approval.

Geotechnical Investigation

The Committee recommended proceeding with the development of a request for proposal for a geotechnical investigation, which staff will pursue pending endorsement at Council on February 22. The geotechnical investigation will establish the subsurface profile (the location of rock) along the proposed pipe alignment. The work will be undertaken following a determination on the use of the existing easements so that all necessary geotechnical information is obtained at the same time.

Directional Drilling

Council's direction required: Given the interest in directional drilling, it is suggested that a representative of the North American Society of Trenchless Technology (NASTT) be invited to make a presentation on directional drilling and its applicability to the Uplands Combined Sewer Separation project. Mr. David O'Sullivan, President of PW Trenchless Construction Inc. and member of NASTT, has offered to make a presentation. With direction from Council, Mr. O'Sullivan will be invited to make a presentation at a future meeting.

Decision Making Criteria

Council's direction required: Six options have been developed for separation of the combined sewers in the Uplands. As all of the options are technically feasible, in order to bring forward a recommended option to Council, staff require direction from Council on the relative importance of a number of project considerations. Staff have developed the following list of decision criteria for Council to prioritize:

- Most environmentally appropriate use of the existing pipe, that is, should the existing pipe carry sanitary sewage or stormwater;
- Progressively reduce the frequency and duration of overflows;
- Timeframe to completion of the project;
- Preserve the mature tree canopy;
- Minimize disruption on private property;
- Gravity service;
- Minimize the number of pumps;
- Costs to Uplands property owners;
- Costs to the District;
- Maintenance and lifecycle costs to Uplands property owners;
- Maintenance and lifecycle costs to the District; and
- Other criteria as suggested by Council.

Staff will use the prioritized criteria for a recommendation to Council on the option(s) that best meet these criteria at a future date.