

HJA Water Management Consulting

509 Foul Bay Road, Victoria, BC., V8S 4G9 | 250-885-3711 | Jack.Hull@telus.net

To: Ms. Helen Koning, CAO

From: Jack Hull MBA, P.Eng.

Date: May 10, 2016

Subject: **Phase 1 Geotechnical Investigation Proposal Evaluation**

The District of Oak Bay issued a request for proposals for Phase 1 Geotechnical Investigation for the Uplands Combined Sewer Separation Project on March 29, 2016. A proponents meeting held at 1:30 on April 6 and was attended by representatives of two consulting firms. Six proposals were submitted by the deadline of April 22, 2016.

The objectives of the geotechnical investigation are:

1. to undertake a geotechnical survey, to a maximum depth of five (5) metres, to determine the location of bedrock;
2. to assess the suitability of sub-surface soils as trench backfill; and
3. to record any other geotechnical information that would be of relevance to the installation of a sewer pipe, for example, the presence of groundwater, potential for trench sloughing etc.

Proposals were received from:

Golder Associates Ltd.
Integrated Sustainability Consultants Ltd.
Tetra Tech EBA Inc.
Thurber Engineering Limited
Ryzuk Geotechnical
WSP Canada Inc.

The submission from the proponents consisted of two envelopes, the first containing the technical proposal, the second, the fee proposal. The technical proposals were independently reviewed by Oak Bay staff (David Brozuk and Grace Espedido) and Jack Hull, Project Manager, using the criteria included in the proposal. The average of the individual scores was used to determine the technical score. For a proposal to be considered further it must score at least seventy percent of the available technical points. As a result, Integrated Sustainability was not considered further. The remaining firms are all capable of undertaking the work. Four of the six firms proposed a combination of boreholes, probes and some form of geophysical investigation.

The envelopes with the fee proposals were then opened and a combined technical and financial score calculated to determine the best value to Oak Bay. The firm with the highest combined technical and financial score was WSP Canada Inc.

WSP has proposed a geophysical survey of the entire sewer alignment using ground penetrating radar with the aim of profiling shallow bedrock. This will be followed by truck mounted augering to characterize and sample the soil as well as to assess ground water conditions. Finally, rock probing will be undertaken at specific locations to verify and confirm the bedrock profile detected during the geophysical survey. Standpipes will be installed at selected auger holes to allow for groundwater measurements following the drilling program.

WSP, previously named GENIVAR has been in business in Canada since 1959. In July 2015 it purchased Levelton Consultants. Levelton has extensive local geotechnical and materials testing experience with local municipalities and engineering firms. The geotechnical investigation would be undertaken by Levelton's geotechnical specialists. Local reference checks confirmed that the staff who would be responsible for this assignment have the necessary capability and experience.

The fee proposal represents an upset amount not to be exceeded without the approval of Oak Bay. Reimbursement will be based on actual time expended on the project.

Recommendation:

I recommend awarding the contract for the Uplands Combined Sewer Separation Project Phase 1 Geotechnical Investigation to WSP Canada Inc., in accordance with their proposal dated April 22, 2016 in the amount of \$34,620.00 plus GST for a total of \$36,351.00.