

REGULAR COUNCIL

TO: **Mayor & Council** DATE: **October 16, 2024**
 FROM: **General Manager, Engineering** FILE: **4824-031/01**
 SUBJECT: **Award of Consultant Agreement No. 4824-031**
Surrey Lowland Drainage Pump Station Improvements

RECOMMENDATIONS

The Engineering Department recommends that Council:

1. Award Consultant Agreement No. 4824-031 to AECOM Canada Ltd. in the amount of \$1,160,094.72 (including GST) for engineering services related to the Surrey Lowland Drainage Pump Stations Improvements at two locations;
2. Set the expenditure authorization limit for Consultant Agreement No. 4824-031 at \$1,300,000.00 (including contingencies and GST); and
3. Authorize the General Manager, Engineering to execute Contract No. 4824-031.

INTENT

The intent of this report is to seek Council’s approval to award Consultant Agreement No. 4824-031 for engineering services for improvements to the Lowland Drainage Pump Stations, the locations of which are illustrated on the map attached to this report as Appendix “I”, and as detailed below in the following table:

Map Reference Number	Project Description	Location
1	Coast Meridian Drainage Pump Station Improvements & Relocation	Near 72 Avenue and Serpentine River
2	New Drainage Pump Station	60 Avenue and 160 Street

BACKGROUND

Improvements to the Coast Meridian drainage pump station involves the replacement of the existing drainage pump station located on the south side of the Serpentine River between 168 Street and Highway 15. The pump station replacement will increase the drainage conveyance capacity for its service area, will be seismically resistant and will include fish friendly pumps allowing for the safe passage of fish through the pump station.

The project will also relocate the pump station location to outside of the 72 Avenue road corridor which is necessary to accommodate the 72 Avenue extension between 152 Street and Highway 15.

The new 60 Avenue drainage pump station is located at 160 Street and 60 Avenue. This catchment area is currently reliant on flood boxes for drainage which operate when water levels in the Serpentine River are low. The new drainage pump station will improve drainage service levels allowing for drainage during times when the Serpentine River water levels are high, will achieve agricultural drainage criteria to support farming, and will reduce flood vulnerability of the catchment area it services.

DISCUSSION

Scope of Work

Work within this consultant agreement involves engineering services for the detailed design of two lowland drainage pump stations, specifically the Coast Meridian Drainage Pump Station and a new 60 Avenue Drainage Pump Station. The consultant agreement includes the detailed design services along with construction administration and inspection services required during construction of drainage pump station improvements, subject to Council approval of a construction contract award in the future.

The total capital value of this project is estimated to be \$10 million.

Evaluation

The City invited three engineering consultants to respond to a Request for Proposals (“RFP”):

- Kerr Wood Leidal Associates Ltd.;
- AECOM Canada Ltd.; and
- WSP Canada Inc.

The proposals were evaluated using the following criteria:

- Understanding of assignment;
- Experience relative to assignment;
- Strength of project team
- Work plan and schedule; and
- Financial considerations.

The three submissions were carefully reviewed for accuracy and completeness by a panel of three staff members, following a structured and standard evaluation process.

AECOM Canada Ltd. proposal demonstrated a thorough understanding of the scope of work and a strong proposed work plan. Furthermore, AECOM Canada Ltd. have put forth a team with considerable experience related to similar work. Their total engineering fee is competitive, is considered reasonable for this type of engineering assignment and represents best value for the City. Staff therefore recommend Agreement No. 4824-031 be awarded to AECOM Canada Ltd.

Project Schedule

The design work is expected to start in November 2024 and be completed by Fall 2025. The Construction of this project is anticipated to begin in the fall 2025, subject to Council approval of the funding and securing necessary property acquisitions and regulatory approvals. Staff anticipate that the project could be completed by the end of 2026.

FUNDING

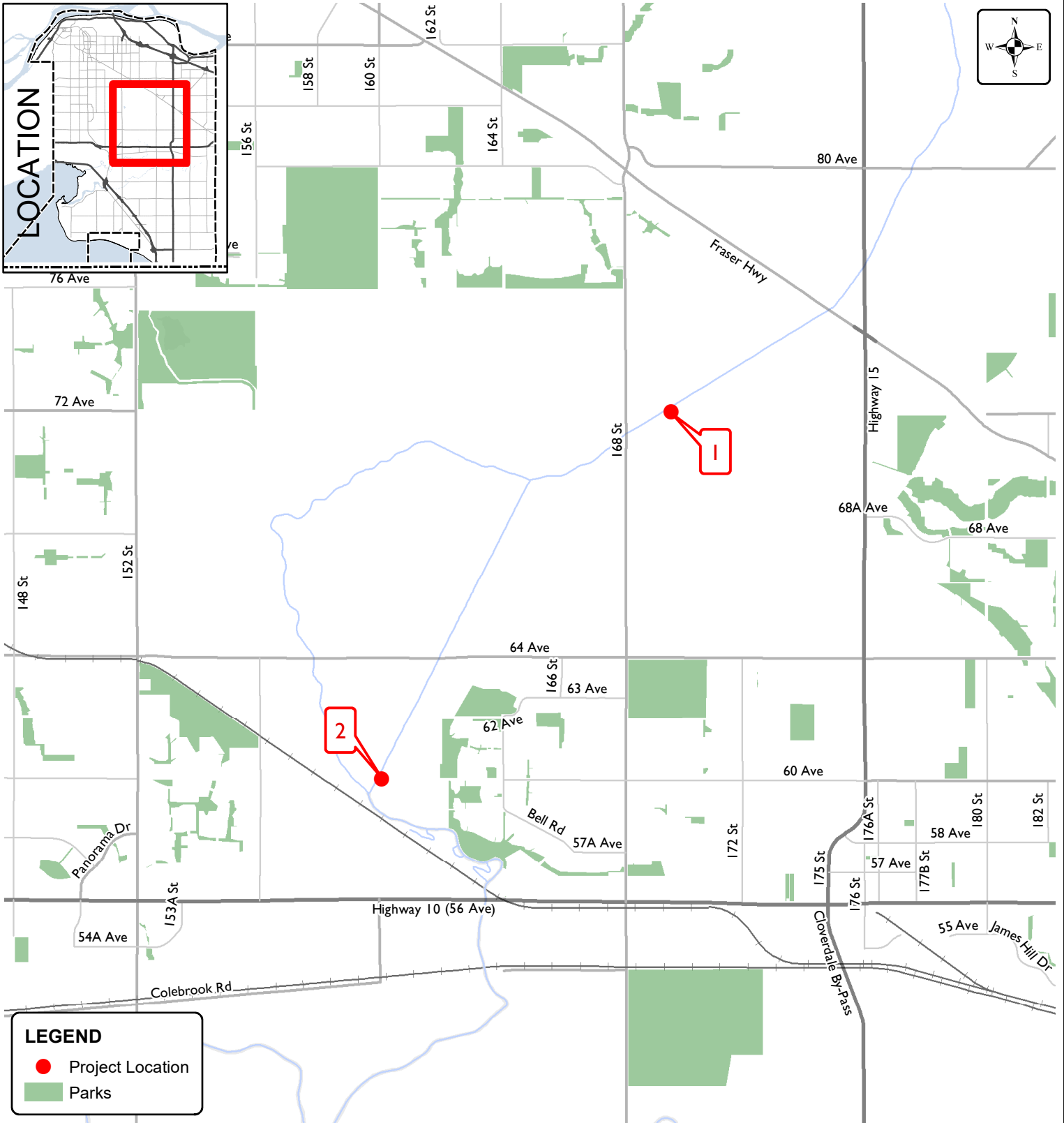
Funding for this contract is available in the approved 2024 Drainage Budget, with the 60th Ave Pump Station design portion of the contract funded by a UBCM Grant.

Scott Neuman, P.Eng.
General Manager, Engineering

VJ/SB/bn

Appendix "I" – Map of Locations – Contract No. 4824-031

[https://surreybc.sharepoint.com/sites/eng.administration/gm administration/corporate reports/2024/oct 21/award of contract no. 4824-031 lowland drainage pump station improvements/award of contract 4824-031 - lowland drainage pump station \(10162024\) final.docx](https://surreybc.sharepoint.com/sites/eng.administration/gm%20administration/corporate%20reports/2024/oct%2021/award%20of%20contract%20no.%204824-031%20lowland%20drainage%20pump%20station%20improvements/award%20of%20contract%204824-031%20-%20lowland%20drainage%20pump%20station%20(10162024)%20final.docx)



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Scale: 1:35,000 0 300 M



CONTRACT NO.4824-031 2024 Lowland Drainage Pump Stations

ENGINEERING DEPARTMENT

The data provided is compiled from various sources and IS NOT warranted as to its accuracy or sufficiency by the City of Surrey. This information is provided for information and convenience purposes only. Lot sizes, Legal descriptions and encumbrances must be confirmed at the Land Title Office.