

REGULAR COUNCIL

TO: **Mayor & Council**

DATE: **February 1, 2023**

FROM: **General Manager, Engineering**

FILE: **6020-007/21**

SUBJECT: **Award of Contract No. 6020-007-21
Nature Based Coastal Climate Adaptation Pilot Project (DMAF)**

RECOMMENDATIONS

The Engineering Department recommends that Council:

1. Award Contract No. 6020-007-21 to Tybo Contracting Ltd. in the amount of \$1,410,977.58 (including GST), for the Nature Based Coastal Climate Adaptation Pilot Project;
2. Set the expenditure authorization limit for Contract No. 6020-007-21 at \$1,550,000 (including contingencies and GST); and
3. Authorize the General Manager, Engineering to execute Contract No. 6020-007-21.

INTENT

The intent of this corporate report is to seek Council's approval to award an agreement for the Nature Based Coastal Climate Adaptation Pilot Project.

DISCUSSION

Scope of Work

Construction of the Nature Based Coastal Climate Adaptation Pilot Project is being completed as part of the Disaster Mitigation and Adaptation Fund ("DMAF") program involving the implementation of a comprehensive flood protection strategy that will seek to reduce Surrey's vulnerability to coastal flooding and sea level rise. The project location is illustrated on the map attached to this report as Appendix "I".

The construction of this project aims to demonstrate a shoreline dyke that is protected by naturalized tidal marshes, consisting of brushwood bundles, sand berms, oyster shell bags, and tidal vegetation providing a natural barrier that will limit flood elevations and dissipate wave energy. An example of naturalized tidal marshes protecting a shoreline dyke is illustrated in Appendix "II".

Invitation to Tender Results

Tender invitations were limited distributed to contractors who were pre-qualified under the City's 2021 to 2024 pre-qualification process for Tier-1 Dyking work. Tenders for the subject contract were opened on January 19, 2023, with the following results.

<i>Contractor</i>	<i>Tendered Amount (with GST)</i>	<i>Corrected Amount</i>
1 Tybo Contracting Ltd.	\$ 1,410,977.58	No Change
2 RTR Terra Contracting Ltd.	\$ 2,475,290.58	No Change
3 Richco Contracting Ltd.	\$ 2,550,240.00	No Change
4 Wilco Civil Inc.	\$ 3,105,398.10	No Change

The Engineer's (Kerr Wood Liedal) pre-tender estimate was \$2,326,800.00.

Evaluation

The submissions were reviewed for accuracy and completeness. No errors were found. All submissions included the required 10% bid bond and were signed on the Tender Form.

The low bidder, Tybo Contracting Ltd., has provided the necessary bonding and insurance to complete the work. Tybo Contracting Ltd.'s past performance on similar work has been satisfactory. They have no outstanding legal claims against the City.

Project Schedule

The contract work is expected to commence in February 2023 and be completed in July 2023, with the majority of the intertidal work to be completed before April to align with the least risk fisheries construction work window, which is generally between February and March for works located within intertidal areas.

The contract permits construction 24-hours a day, Monday through Friday as the work is located in the foreshore and certain activities are dependent on low tides which occur in fluctuating cycles.

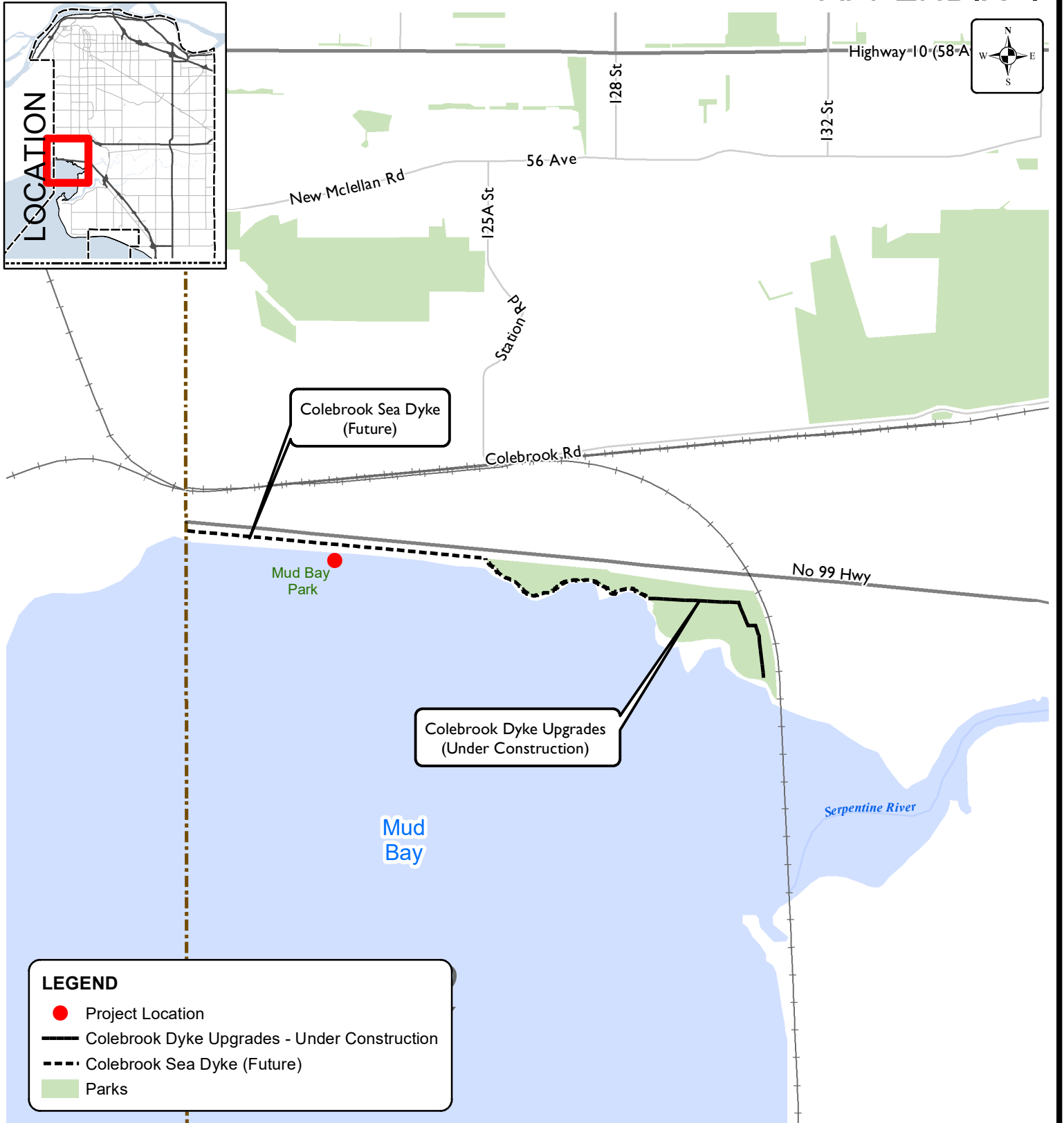
FUNDING

Funding for this contract is available in the proposed 2023 Drainage Budget.

Scott Neuman, P.Eng.
General Manager, Engineering

VJ/bn

Appendix "I" – Map of Locations – Contract No. 6020-007-21
Appendix "II" - Example of Naturalized Tidal Marshes Protecting Shoreline Dyke



Produced by GIS Section: 04-Jan-2023, P205803

Scale: 1:20,000 0 200 M



**Contract No. 6020-007-21
Nature Based Coastal Climate
Adaptation Pilot Project (DMAF)**

**ENGINEERING
DEPARTMENT**



Naturalized Tidal Marshes Protecting Shoreline Dyke