

NO: R092

COUNCIL DATE: May 30, 2011

REGULAR COUNCIL

TO: Mayor & Council **DATE: May 25, 2011**

FROM: General Manager, Engineering **FILE: 4810-001/41**

SUBJECT: Award of Contract - M.S. 4810-001-41
Dyke Improvement Works along the Nicomekl River between 168 Street and 184 Street

RECOMMENDATIONS

The Engineering Department recommends that Council:

1. Award Contract M.S. 4810-001-41 for dyke improvement works along the Nicomekl River between 168 Street and 184 Street to Delta Aggregates Ltd. in the amount of 1,131,806.42, including HST; and
2. Set the expenditure authorization limit for Contract M.S. 4810-001-41 at 1,182,333.49 including contingency and HST.

DISCUSSION

The construction package related to this contract consists of dyke improvements on statutory rights-of-way along the Nicomekl River. This contract primarily involves the moving, placement and compaction of soil to raise dykes along the river. The work areas are highlighted on the map attached as Appendix I to this report. Secondary activities associated with this contract include hydro-seeding, fencing, flood box work, access road construction and removal and soil stockpile operations.

Dyke construction preparatory work will take place in June 2011. The nature of the soils with which the dykes are constructed requires that the materials be placed on the dykes during periods of dry weather. On this basis, it is anticipated that dyke construction will begin in June and extend through October 2011.

With the completion of the subject contract, over 80% of the Nicomekl dyke upgrade program will be complete. The dyke upgrading work along each of the Serpentine and Nicomekl Rivers has been undertaken in phases over the course of the last decade. The overall project is known as the Serpentine and Nicomekl Flood Control Project. The subject contract will result in the upgrading of approximately 3 km of dyke along the Nicomekl River subject to the necessary rights-of-way being obtained by the City.

Tender Results

Submissions related to the tender for the subject contract were opened on May 20, 2011 with the following results:

<i>Contractor</i>	<i>Tendered Amount with HST</i>	<i>Corrected Amount</i>
1. Delta Aggregates Ltd.	\$ 1,131,806.42	No Change
2. B&B Contracting Ltd.	\$ 1,311,600.00	No Change
3. Double M Excavating Ltd.	\$ 1,353,866.86	No Change
4. GCL Contracting Inc.	\$ 1,398,969.60	No Change

The Engineer's pre-tender estimate for the work of this contract was \$808,796.80 including HST. Since this project involves "Tier 1" dyke works, only contractors prequalified for "Tier 1" type dyke works were invited to bid.

Although this contract's pricing is higher than expected, the Engineer's pre-tender estimate was based on favorable pricing that was achieved last year. This pricing properly reflects the current cost of dyke construction.

Evaluation

The City's consultant reviewed the tender submissions for accuracy and completeness. No errors were found. All submissions included the required 10% bid bond, and were signed and sealed on the Tender Form and Summary Sheet of the Schedule of Quantities and Prices.

The low bidder, Delta Aggregates Ltd. has provided a Consent of Surety for a Performance Bond and a Labour & Materials Bond and has agreed to complete the work within 94 working days as stipulated in the contract. Delta Aggregates Ltd.'s past performance on other City projects has been satisfactory. They have no outstanding legal claims against the City.

It is recommended that Delta Aggregates be awarded Contract M.S. 4810-001-41.

SUSTAINABILITY CONSIDERATIONS

The Serpentine and Nicomekl Flood Control Project (the "Project") is allowing for intensification of farming activities on flood plain lands. As the Project has progressed, previously semi-dormant hay fields are now being actively farmed with higher value crops such as vegetables and blueberries. The dyke upgrading work also includes habitat compensation and environmentally sensitive design and construction. The Project is assisting to achieve the goals and objectives of the Economic and Environmental Pillars of the City's Sustainability Charter; more particularly the following action items:

- EC12: Enhancing the productivity of agricultural lands within the Serpentine and Nicomekl River floodplains; and
- EN12: Enhancement and Protection of Natural Areas, Fish Habitat and Wildlife Habitat

FUNDING

Funding for the subject contract is available in the approved 2011 Capital budget.

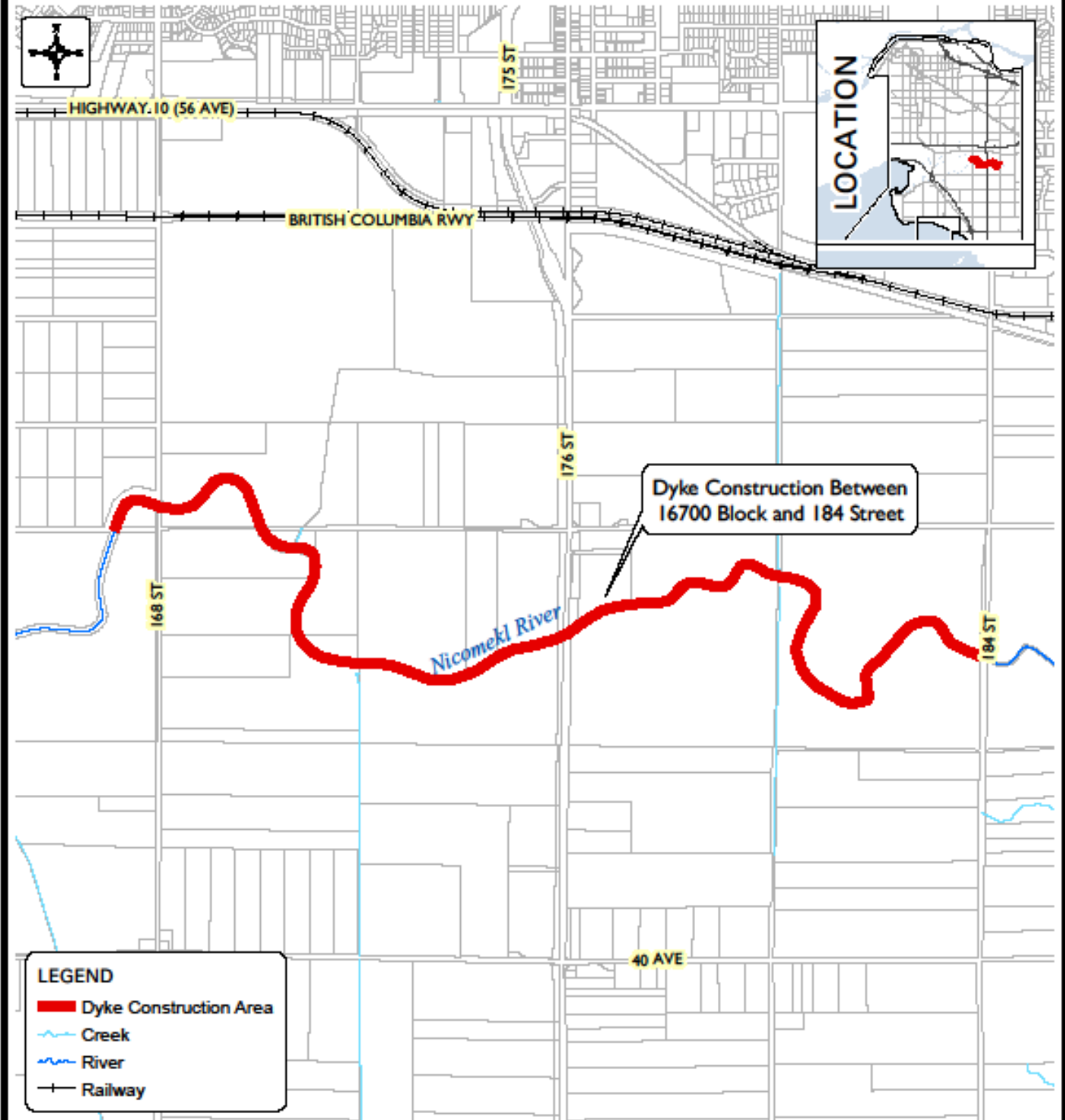
Vincent Lalonde, P.Eng.
General Manager, Engineering

KZ/MO/TH/brb

Appendix I – Map of 2011 Nicomekl Dyke Construction under Contract M.S. 4810-001-41

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APPENDIX I



Produced by GIS Section: May 12, 2011, AW



**CONTRACT AWARD MS 4810-001-41
2011 DYKE CONSTRUCTION**

**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.

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