

NO: **R149**

COUNCIL DATE: **July 9, 2012**

**REGULAR COUNCIL**

TO: **Mayor & Council**

DATE: **July 4, 2012**

FROM: **General Manager, Engineering**

FILE: **4812-002/11**

SUBJECT: **Award of Contract - M.S. 4812-002-11  
Lowland Flood Control Miscellaneous Works**

**RECOMMENDATIONS**

The Engineering Department recommends that Council:

1. Award Contract M.S. 4812-002-11 to Delta Aggregates in the amount of \$1,686,201.66, including HST, for dyke improvement works along the Serpentine River; and
2. Set the expenditure authorization limit for Contract M.S. 4812-002-11 at \$1,850,000.00 including contingency and HST.

**SCOPE OF WORK**

The construction works associated with this contract consist of dyke improvement works on statutory rights-of-way along the Serpentine River as well as drainage conveyance improvements on statutory rights-of-way in the Inter-River and Gray Creek Drainage Areas. The dyke upgrades are necessary to address settlement of the dykes that has occurred over time and will reinstate the level of flood protection that is specified in the City's Strategic Plan for Lowland Flood Control. The conveyance improvements will improve drainage connectivity to existing lowland pump stations. The work areas are described in the following table and are highlighted on the map, which is attached as Appendix I to this report.

<b>Map Reference Number</b>	<b>Project Description</b>	<b>Location</b>
1	Upper Serpentine Dyke Upgrades	Serpentine River: 88 Avenue to 92 Avenue
2	Bear Creek Dyke Upgrades	73 Avenue: 152 Street to 156 Street; and 156 Street: 73 Avenue to 68 Avenue
3	Central Serpentine Dyke Upgrades	Serpentine River: Hwy. 10 to 168 Street
4	Gray Creek Interim Conveyance Work	5193 - 160 Street
5	Inter-River Conveyance Work	148 Street: South of 40 Avenue and 3817 - 152 Street

Due to the nature of the soils with which the dykes are constructed, dyke work is limited to periods of dry weather. In this regard the work associated with this contract is expected to begin in July 2012 and extend through October 2012.

## TENDER RESULTS

Tenders for the subject contract were opened on June 29, 2012, with the following results:

<i>Contractor</i>	<i>Tendered Amount with HST</i>	<i>Corrected Amount</i>
1. Delta Aggregates Ltd.	\$1,686,201.66	No Change
2. Double M Excavating Ltd.	\$2,699,720.00	\$2,700,104.66

The Engineer's pre-tender estimate was \$1,714,681 including HST.

## EVALUATION

The City's consultant reviewed the tender submissions for accuracy and completeness. There was one arithmetic error that had no bearing on the outcome of the tender process. 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 agreed to complete the work within 53 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 Ltd. be awarded Contract M.S. 4812-002-11.

## SUSTAINABILITY CHARTER/CONSIDERATIONS

The Serpentine and Nicomekl Flood Control Project (the "Project"), which is being constructed in phases, is resulting in the intensification of farming activities in the floodplain areas of Surrey. As the Project has progressed, previously semi-dormant hay fields are now being actively farmed with higher value crops such as vegetables and blueberries. This, along with habitat compensation and environmentally-sensitive design and construction, assists in achieving the objectives of the Economic and Environmental Pillars of the City's Sustainability Charter; more particularly, the following scope action items are being realized:

- 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 2012 Budget.

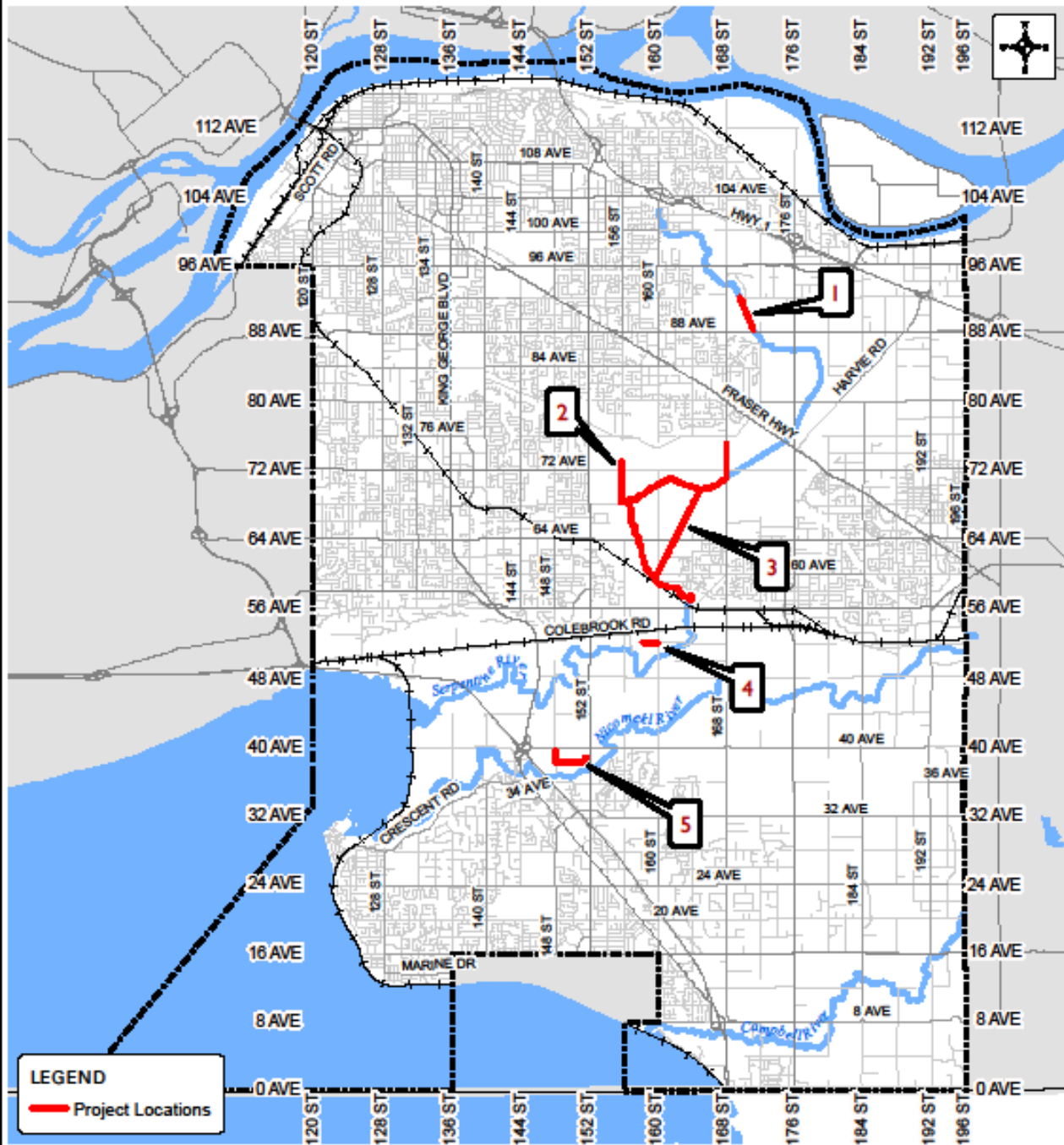
Vincent Lalonde, P.Eng.  
General Manager, Engineering

VL/KZ/MO/brb

Appendix I – Map of 2012 Lowland Miscellaneous Works under Contract M.S. 4812-002-11

g:\wp-docs\2012\admin\cr\06220750mo (md)2.docx  
BRB 7/5/12 11:01 AM

# APPENDIX I



MS 4812-002-11

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.

G:\MAPPING\GISMAPS\  
 Corporate Reports\Eng-Transp\  
 AW-MS-4812-002-11-A.mxd