



Agenda No: 6.1

Meeting Date: Apr. 7/11

Environmental Services

1450 K.L.O. Road
Kelowna, B.C. V1W 3Z4

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ENVIRONMENTAL SERVICES DEPARTMENT REPORT

For the Board April 7, 2011

TO: Chair & Members of the Regional Board

FROM: Delphine Maja, Sr. Engineering Technologist

DATE: March 30, 2011

SUBJECT: 12 km of Watermains *PLUS* Two Pressure Reducing Stations
Upper Fintry / Shalal Road / Valley of the Sun Water System

RECOMMENDATION:

THAT the Regional Board authorize the award of the contract for the supply and installation of 12 km of Watermains *PLUS* Two Pressure Reducing Stations - Upper Fintry / Shalal Road / Valley of the Sun Water System to **PETERS BROS CONSTRUCTION LTD.** for the amount of **\$2,830,062.91** excluding Contingencies and HST.

BACKGROUND:

Purpose:

This contract includes materials and labor for the construction of 12 km of Watermains *PLUS* Two Pressure Reducing Stations, in the subdivisions of Upper Fintry / Shalal Road / Valley of the Sun in the Central Okanagan West Electoral Area.

Invitation to Tender:

Thirteen (13) bids were received for the Project ranging from \$2,830,062.91 to \$3,914,072.00, the three lowest bids from:

1. Peter Bros \$2,830,062.91
2. Matcon Construction \$3,110,000.00
3. Ansell Construction \$3,187,509.00

Schedule

This assignment will be started immediately and is proposed to be completed in the fall of 2011.

The Water Project:

The new community water system will provide domestic service with fire flows to the subdivisions of:

- Valley of the Sun (147 parcels),
- Shalal Road (14 parcels),
- Upper Fintry (180 parcels),

Plus the fire service's garage on Westside Road at Shorts Creek and the BC Parks Services caretakers cottage on Fintry Delta Road.

The water system will be comprised of approximately 12 km of distribution piping, fed by two groundwater wells located in the delta, a mid-level booster pump station at the switch-back on Fintry-Delta Road, and one multi-cell reservoir in Valley of the Sun. The Morden Control Station will be built by Maddocks Construction Ltd sharing the site of the supply wells. The station will host the system controls and eventually the hypo-chlorite generation equipment. The water system will be owned, operated and maintained by the Regional District of Central Okanagan.

Budget

Total Cost Summary, To Date:

Upper Fintry / Shalal Road / Valley of the Sun Proposed Water System					
Description		Budget	Expenses to Date	Approved PO's	Remaining Budget
EXPENSES					
Wells/Well Site Development/Land		\$850,000.00	\$306,817.47	\$470,342.92	\$72,839.61
Distribution					
Domestic Distribution System - Upper Fintry / Shalal Rd		\$772,350.00			
Domestic Distribution System - Valley of the Sun		\$675,275.00			
Transmission Mains		\$752,400.00			
SUBTOTAL Distribution		\$2,200,025.00	\$17,009.22	\$7,500.00	\$2,175,515.78
Booster Sta		\$445,000.00			\$445,000.00
Reservoir		\$546,000.00	\$9,690.69		\$536,309.31
SUBTOTAL , CONSTRUCTION COST ESTIMATE		\$4,041,025.00			
Engineering	10%	\$404,102.50	\$237,510.44	\$165,040.38	\$1,551.68
Contingency	20%	\$808,205.00			\$808,205.00
SUBTOTAL CAPITAL COST		\$5,253,332.50			
Interim Project Financing	10%	\$525,333.25			\$525,333.25
RDCO Administrative Fee	3%	\$157,599.98			\$157,599.98
TOTAL PROJECT COST		\$5,936,265.73			\$4,722,354.61
REVENUES					
Towns for Tomorrow (2009)		\$400,000.00			
Per Parcel Contribution (341 parcels x \$17,500)		\$5,967,500.00			
TOTAL REVENUES		\$6,367,500.00			
SURPLUS/(DEFICIT)		\$431,234.28			

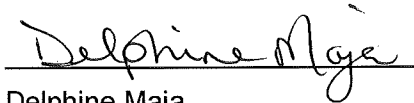
See table above, identifying "Expenses to Date", "Approved PO's", and "Remaining Budget". The total budget for this phase of the water project, also known as the "Distribution", is \$2,200,025.00.

Although the Distribution budget is insufficient, the contingency allowance of \$808,000, the (estimated high) interim financing allowance of \$525,000, and the surplus of \$431,000 may each be re-directed in part to cover the shortfall, and allow the project to proceed.

ENVIRONMENTAL SERVICES DEPARTMENT COMMENTS:

The Environmental Services Department recommends that the Regional Board authorize the award of the contract for the supply and installation of 12 km of Watermains *PLUS* Two Pressure Reducing Stations - Upper Fintry / Shalal Road / Valley of the Sun Water System to **PETERS BROS CONSTRUCTION LTD.** for the amount of **\$2,830,062.91** excluding Contingencies and HST.

Respectfully submitted,



Delphine Maja
Senior Engineering Technologist

Attached:

- * CTQ Tender Recommendation Letter
- * Service Area Map



Project No.: 09138-20
File No.: 6-L-004

March 30, 2011

Regional District of Central Okanagan (RDCO)
Environmental Services Department
1450 KLO Road
Kelowna, BC V1W 3Z4

Attention: Delphine Maja, Sr. Engineering Technologist

Dear Delphine:

Re: Upper Fintry / Shalal Road / Valley of the Sun - Watermains and Pressure Reducing Stations - Tender Recommendation Letter

CTQ Consultants has received and reviewed thirteen tender submissions for construction of the Upper Fintry/Shalal Road/Valley of the Sun watermains and pressure reducing stations. Based on our review, we recommend award to Peter's Bros. Construction Ltd. for their submitted price of Two Million Eight Hundred Thirty Thousand Sixty Two Dollars and Ninety One Cents (\$2,830,062.91) excluding Contingency and HST. Their proposal was complete, and the submitted information indicated the capacity and experience to complete the project.

Please feel free to contact our office if you have any questions or concerns.

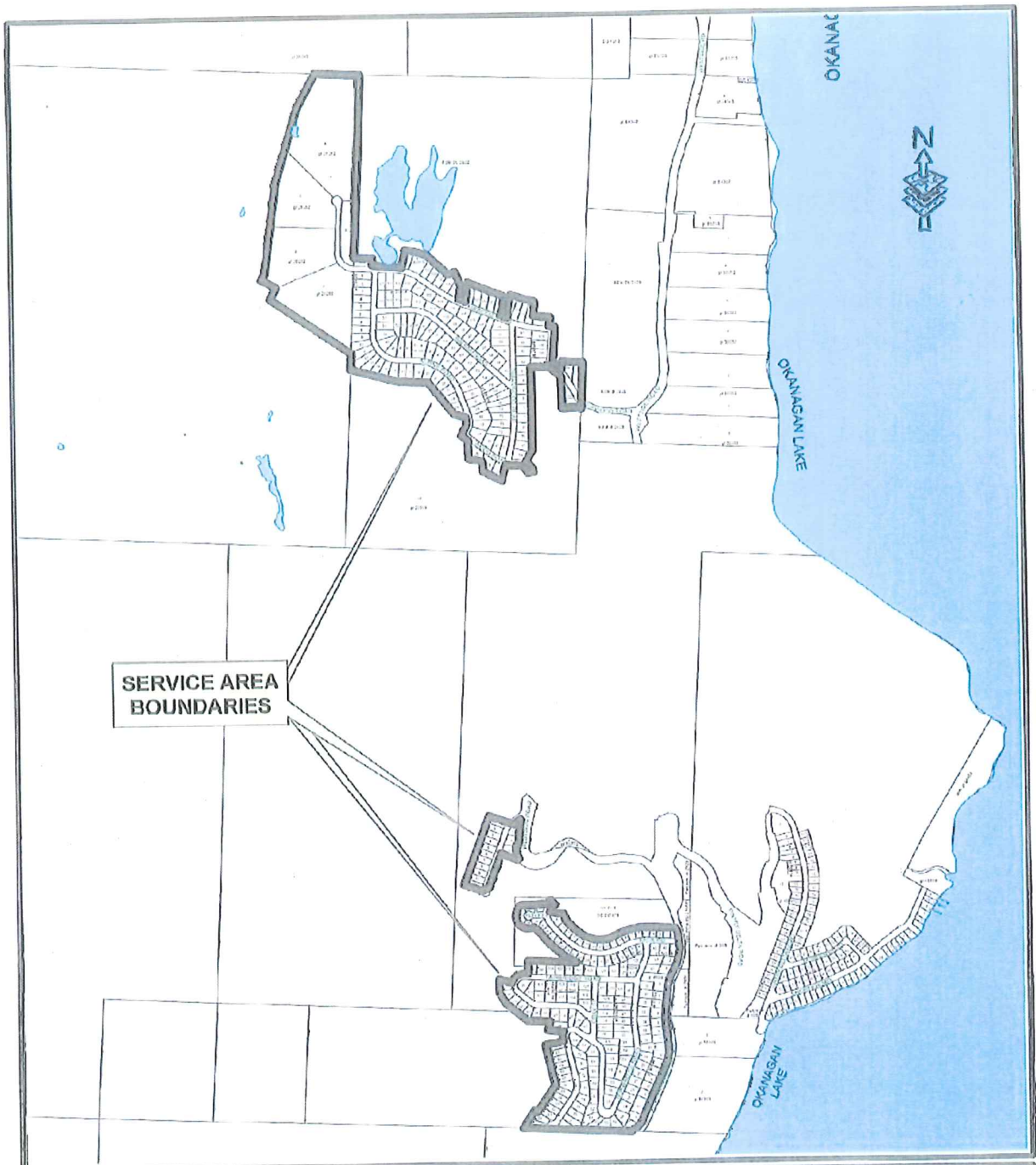
Sincerely,


CTQ CONSULTANTS LTD.

Per:

A handwritten signature in blue ink, appearing to be 'JR', written over a light blue horizontal line.

For: J.R. (Jim) Roe, CTech,
Contract Administrator



 <p>REGIONAL DISTRICT OF CENTRAL OKANAGAN</p>	<p>Regional District of Central Okanagan Upper Fintry, Skalak Road, Valley of the Sun Water Service Area Establishment Bylaw No. 1254, 2009 Schedule "A"</p>		<p>REVISIONS</p>					
	<p>May 14, 2009</p> <p>Date of Adoption</p>	<p>Scale: 1:17,000</p>	<p>Filename: UF_VCS-Water BLW.mxd</p>	<table border="1"> <thead> <tr> <th>DATE</th> <th>BYLAW</th> </tr> </thead> <tbody> <tr> <td> </td> <td> </td> </tr> </tbody> </table>	DATE	BYLAW		
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