

ITEM	20
MANAGER'S REPORT NO.	44
COUNCIL MEETING	1985 06 24

RE: CONTRACT NO. 8501  
SIXTH STREET - LAKEFIELD DRIVE SUBDIVISION

MUNICIPAL MANAGER'S RECOMMENDATION:

1. THAT the recommendation of the Director Finance be adopted.

\* \* \* \* \*

1985 June 18

TO: MUNICIPAL MANAGER  
FROM: DIRECTOR FINANCE  
RE: CONTRACT #8501  
SIXTH STREET, LAKEFIELD DRIVE SUBDIVISION

RECOMMENDATION:

1. THAT the lowest tender in the amount of \$988,014.67 submitted by Progressive Contracting (Langley) Ltd. be accepted with final payment based on actual quantities and unit prices tendered.

INTRODUCTION

The Municipality currently holds vacant land between 6th Street and Robert Burnaby Park for development under the present R2 zoning guidelines. Sixty-six lots will be created.

The attached sketch, which Council received with a report on 1984 February 20, showed 63 lots but this was subsequently increased to 66 lots with the use of the computer. This subdivision is an extension of the established R2 pattern to the northwest and is consistent with the subdivision guide plan and zoning for the area.

The purpose of this report is to obtain authorization from Council to award a contract for the services that are required for this subdivision. At an appropriate future time, a further report will be submitted to Council requesting authority to sell the lots by public tender.

This subdivision has been the subject of two previous reports to Council:

- a) Item 6, report No. 13 dated 1984 February 20, which dealt with servicing the subdivision; and
- b) Item 20, report No. 46 dated 1985 July 09, which dealt with a change to a boundary of Robert Burnaby Park.

REPORT

Tenders for this project were received up to 3:00 p.m. local time on Wednesday, 1985 June 12.

The work of this contract includes the supply and installation of materials for the construction of roadworks, storm and sanitary sewers, waterworks, street lighting and B.C. Hydro and B.C. Telephone civic works for a 66 lot subdivision.

The estimate for this project is \$950,000.

All work under this contract shall be completed within seventy (70) consecutive working days after commencement of construction.

Twelve (12) tenders were received and opened in the presence of municipal staff and representatives of the firms bidding.

A tabulation of the tenders received is attached. (Attachment A)

Financing for this project is available from the Tax Sale Fund and Corporate Land Reserve designated for Land Assembly and Development programs.

A copy of the schedule of approximate quantities and unit prices submitted by the lowest bidder, Progressive Contracting (Langley) Ltd. is also attached. (Attachment B)

The Director Engineering and our consultant, Vector Engineering Services Ltd., concur with the above recommendation.

  
for  
Howard Karras  
DIRECTOR FINANCE

cc. Director Engineering  
Municipal Solicitor

Highway

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LAKEFIELD DC.

Burnfield Cr.

Linfield

ROBERT BURNSEY PARK 200

**PHASE I**

PHASE I IS THE SUBJECT OF THIS REPORT

FUTURE DEVELOPMENT

B.C. Hydro Right-of-Way

Date

1985 JUNE

Scale

1" = 200'

Drawn By

C.M.M.



Burnaby Planning Department

SUBDIVISION REFERENCE #63/83

156

\* A TOTAL OF 66 LOTS ARE BEING CREATED IN PHASE I

THE CORPORATION OF THE DISTRICT OF BURBARY

TABLATION OF TENDERS

CONTRACT #8501 - 6th STREET/AKEEFIELD DRIVE SUBDIVISION

NO.	COMPANY NAME	TENDER TOTAL
1.	Humphrey Construction Ltd.	\$ 1,032,784.00
2.	Atlantic Contractors Ltd.	1,135,925.25
3.	Coquitlam Excavating Ltd.	1,063,934.50
4.	Riverside Excavating Ltd.	1,103,086.65
5.	P. Baratta Construction Ltd.	1,073,215.00
6.	Ocean Point Contractors Ltd.	1,181,367.20
7.	Imperial Paving Ltd.	1,311,821.50
8.	United Contractors Ltd.	1,176,202.00
9.	C. Victor Koran Ltd.	1,026,533.00
10.	Goodbrand Construction Ltd.	1,137,190.00
11.	H.B. Contracting Ltd.	1,162,500.00
12.	Progressive Contracting (Langley) Ltd.	988,014.67

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THE CORPORATION OF THE DISTRICT OF BURNABY

CONTRACT # 8501

SCHEDULE OF APPROXIMATE QUANTITIES AND UNIT PRICES

6TH STREET/LAKEVIEW DRIVE SUBDIVISION

Quantities in this schedule are approximate and for tender purposes only. Payment will be made on actual measured quantities of completed work units. Unit prices shall govern and extensions may be corrected if in error. Unit prices tenders shall be used for the purpose of comparison of tenders, for calculating progress payments or for authorized additional work or deductions and shall include the supply and delivery of all materials, labour, equipment and plant for complete installation or construction of items specified below. Refer to Special Provisions and General Specifications for definition and method of measurement.

ALL QUOTATIONS MUST BE TYPEWRITTEN

SECTION I - SITE PREPARATION

<u>Item</u>	<u>Description</u>	<u>Unit</u>	<u>Quantity</u>	<u>Rate</u>	<u>Total</u>
1.	<u>Clearing and grubbing.</u>	--	--	Lump Sum	\$ 70,812 <sup>38</sup>
2.	<u>Danger trees</u>	each	10	\$ 107 <sup>00</sup>	\$ 1,070 <sup>00</sup>
3.	<u>Common Excavation and disposed of excavated materials</u>	c.m.	15,000	\$ 6 <sup>91</sup>	\$ 103,350 <sup>00</sup>
4.	<u>Mass Excavation for all sections (i.e. complete project)</u>	--	--	Lump Sum	\$ 759 <sup>70</sup>
5.	<u>Rock excavation encountered in site preparation c.m.</u>		20	\$ 32 <sup>10</sup>	\$ 642 <sup>00</sup>
6.	<u>Rock Excavation encountered in underground utility trenches</u>	c.m.	20	\$ 85 <sup>60</sup>	\$ 1,712 <sup>00</sup>
7.	<u>Additional Clearing &amp; Grubbing as directed by the Engineer</u>	Ha.	0.5	\$ 13,818 <sup>93</sup>	\$ 6,909 <sup>47</sup>

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\$ 182,255<sup>55</sup>

TOTAL SECTION I

SECTION II - ROADWORKS

This section covers the supply and installation of all materials plus the labour and equipment required to construct all roadways in accordance with the drawings and specifications.

<u>Item</u>	<u>Description</u>	<u>Unit</u>	<u>Quantity</u>	<u>Rate</u>	<u>Amount</u>
1.	Supply and install pitrun gravel subgrade fill	c.m.	7,200	\$ 5 <sup>00</sup>	\$ 36,000 <sup>00</sup>
2.	Supply and install 75mm minus crushed gravel base course.	s.m.	12,000	\$ 2 <sup>50</sup>	\$ 30,000 <sup>00</sup>
3.	Supply and install 20 mm minus crushed gravel surface course. a) 75mm thickness b) 50mm thickness	s.m.	12,000	\$ 1 <sup>60</sup>	\$ 19,920 <sup>00</sup>
		s.m.	600	\$ 1 <sup>24</sup>	\$ 744 <sup>00</sup>
4.	Supply and install asphaltic concrete Type IV for roads and lanes. a) 75mm thickness b) 50mm thickness	s.m.	10,000	\$ 6 <sup>30</sup>	\$ 63,000 <sup>00</sup>
		s.m.	500	\$ 4 <sup>24</sup>	\$ 2,120 <sup>00</sup>
5.	Combined curb and gutter Type B or BX, curved or straight, including vertical adjustment of catchbasins.	1.m.	2,200	\$ 19 <sup>47</sup>	\$ 42,834 <sup>00</sup>
6.	Asphaltic concrete extruded curb (All types).	1.m.	140	\$ 7 <sup>93</sup>	\$ 1,110 <sup>20</sup>
7.	Concrete sidewalk including granular base.	s.m.	2,100	\$ 18 <sup>39</sup>	\$ 38,619 <sup>00</sup>
8.	Concrete driveway crossing including excavation and granular base.	s.m.	30	\$ 30 <sup>27</sup>	\$ 908 <sup>10</sup>
9.	Supply and install tile drain behind curb or sidewalk.	1.m.	1,500	\$ 16 <sup>20</sup>	\$ 24,300 <sup>00</sup>
10.	Adjust existing manholes	each	1	\$ 107 <sup>00</sup>	\$ 107 <sup>00</sup>
11.	Boulevard Grading	s.m.	12,000	\$ 0 <sup>18</sup>	\$ 2160 <sup>00</sup>
12.	Supply and install 75mm crushed stone as required by the Engineer	c.m.	400	\$ 22 <sup>40</sup>	\$ 8,960 <sup>00</sup>
13.	Supply and install gravel shoulders	s.m.	100	\$ 5 <sup>17</sup>	\$ 517 <sup>00</sup>
14.	100 mm dia P.V.C. B.C. Hydro Gas casings	1.m.	60	\$ 29 <sup>29</sup>	\$ 1,757 <sup>40</sup>
15.	Walkway pipe barriers	each	2	\$ 428 <sup>00</sup>	\$ 856 <sup>00</sup>

TOTAL SECTION II \$ 274,712<sup>70</sup> ✓



SECTION III: STORM SEWERS & SANITARY SEWERS

This section includes all sewer works required. Unit prices are to include excavation, bedding, pipe laying and backfilling with native or imported granular materials. Payment is in accordance with Form V and Form X of the General Specifications except as noted in the Special Provisions.

The unit prices tendered shall include the supply of all labour, materials and equipment.

<u>Item</u>	<u>Description</u>	<u>Unit</u>	<u>Quantity</u>	<u>Unit price</u>	<u>Amount</u>
1.	Supply & install Mainline Sewer.				
a)	200 mm dia. sewer. All depths. (Import backfill)	1.m.	650	\$ <u>69<sup>52</sup></u>	\$ <u>44935<sup>52</sup></u>
	200 mm dia. sewer. All depths. (Native backfill)	1.m.	850	\$ <u>39<sup>39</sup></u>	\$ <u>33133<sup>39</sup></u>
b)	250 mm dia. sewer. All depths. (Import backfill).	1.m.	335	\$ <u>71<sup>60</sup></u>	\$ <u>23905<sup>60</sup></u>
	250 mm dia. sewer. All depths. (Native backfill).	1.m.	115	\$ <u>47<sup>25</sup></u>	\$ <u>5431<sup>25</sup></u>
c)	300 mm dia. sewer. All depths. (Imported backfill).	1.m.	75	\$ <u>80<sup>21</sup></u>	\$ <u>6020<sup>21</sup></u>
	300 mm dia. sewer. All depths. (Native backfill.)	1.m.	Ø	\$ <u>75<sup>20</sup></u>	\$ <u>    </u>
d)	375 mm dia. sewer. All depths (Import backfill)	1.m.	45	\$ <u>95<sup>25</sup></u>	\$ <u>4286<sup>25</sup></u>
	375 mm dia. sewer. All depths (Native backfill).	1.m.	Ø	\$ <u>90<sup>22</sup></u>	\$ <u>    </u>
e)	450 mm dia. sewer. All depths (Import backfill).	1.m.	280	\$ <u>73<sup>53</sup></u>	\$ <u>20588<sup>53</sup></u>
	450 mm dia. sewer. All depths (Native backfill).	1.m.	380	\$ <u>49<sup>42</sup></u>	\$ <u>18772<sup>42</sup></u>
f)	600 mm dia. sewer. All depths (Import backfill).	1.m.	75	\$ <u>100<sup>16</sup></u>	\$ <u>7512<sup>16</sup></u>
g)	900 mm dia sewer. All depths (Native backfill)	1.m.	10	\$ <u>123<sup>16</sup></u>	\$ <u>1231<sup>16</sup></u>

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Item	Description	Unit	Quantity	Unit Price	Amount
2.	Supply and install manholes. a) 1050 mm Ø b) 1350 mm Ø	v.m. v.m.	110.0 4.0	\$ 376 <sup>99</sup> \$ 480 <sup>55</sup>	\$ 41469 <sup>90</sup> \$ 1936 <sup>25</sup>
3.	Supply and install clean-outs.	v.m.	4.5	\$ 489 <sup>22</sup>	\$ 2204 <sup>19</sup>
4.	Supply and install catch-basins. (Type V)	each	25	\$ 497 <sup>81</sup>	\$ 12445 <sup>23</sup>
5.	Supply and install catch-basin leads. All depths (Import backfill) a) 150 mm Ø b) 200 mm Ø	1.m. 1.m.	120 5	\$ 32 <sup>16</sup> \$ 33 <sup>72</sup>	\$ 3859 <sup>20</sup> \$ 194 <sup>72</sup>
6.	Construct outside drop structure at manhole.	v.m.	3.0	\$ 428 <sup>02</sup>	\$ 1284 <sup>02</sup>
7.	Supply and install 250 mm Ø R.C. Culvert c/w Import Backfill).	lin.m.	26	\$ 55 <sup>61</sup>	\$ 1445 <sup>06</sup>
8.	Supply and install service connections. a) 100 mm dia. sanitary service. All depths (Import Backfill). b) 100 mm dia. sanitary service. All depths. (Native backfill). a) 150 mm dia. Storm service. All depths (Import backfill) b) 150 mm dia. Storm service. All depths (Native backfill).	1.m. 1.m. 1.m. 1.m.	220 185 265 235	\$ 32 <sup>25</sup> \$ 23 <sup>14</sup> \$ 42 <sup>38</sup> \$ 33 <sup>28</sup>	\$ 7095 <sup>02</sup> \$ 4280 <sup>92</sup> \$ 11230 <sup>70</sup> \$ 7820 <sup>82</sup>
9.	Break In & Connect to Existing Manhole.	each	5	\$ 428 <sup>02</sup>	\$ 2140 <sup>02</sup>
10.	Supply and install Outfall Structure. (Std. Dwg L. 1489)			LUMP SUM	\$ 2148 <sup>00</sup>
11.	Supply and install Inlet Structure (Std. Dwg L. 1458) including eccentric reducer and wye.	1.m.		LUMP SUM	\$ 1603 <sup>90</sup>
12.	Construct Ditch	1.m.	400	\$ 406	\$ 1624 <sup>02</sup>
13.	Concrete jacketing in accordance with Form X.	c.m.	20	\$ 107 <sup>02</sup>	\$ 2140 <sup>02</sup>
14.	Overexcavate & place drain rock.	c.m.	50	\$ 10 <sup>48</sup>	\$ 524 <sup>02</sup>
15.	Additional price over and above import granular backfill to supply and install 20 mm x 10 mm crushed stone as directed by the Engineer.	c.m.	100	\$ 11 <sup>91</sup>	\$ 1191 <sup>02</sup>

TOTAL SECTION III

\$ 270639<sup>73</sup>



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SECTION IV - WATERWORKS

This section includes all waterworks and appurtenances as shown on the drawings. The lump sum price shall include all labour, materials, and equipment for the complete waterworks installation including granular imported backfill.

Item	Description	Unit	Quantity	Rate	Amount
	LUMP SUM				\$ <u>107281<sup>29</sup></u>
	TOTAL SECTION IV				\$ <u>107281<sup>29</sup></u>

SECTION V - STREET LIGHTING

All works and materials under this section shall be in accordance with the provisions of Form IV of the General Specifications and as shown on the drawings.

Item	Description	Unit	Quantity	Rate	Amount
	LUMP SUM				\$ <u>11000<sup>00</sup></u>
	TOTAL SECTION V				\$ <u>11000<sup>00</sup></u>

SECTION VI - UNDERGROUND HYDRO & TELEPHONE

Unit prices shall include all necessary excavation, bedding, supply of material unless otherwise specified, installation, backfilling with native material or imported granular material as required, and compaction for the items listed. All work and materials shall be in accordance with current specifications of B. C. Hydro & B. C. Tel.

Item	Description	Unit	Quantity	Rate	Total
1.	Pick up, deliver and install B.C. Hydro ducting, Supply and install B.C. Telephone ducting, including bends, caps, couplings, bells & string. Blow string through all lines. a) mainline trench b) service trench	metre metre	1090 400	\$ <u>21<sup>46</sup></u> \$ <u>13<sup>93</sup></u>	\$ <u>23391<sup>40</sup></u> \$ <u>7372<sup>00</sup></u>
2.	Pick up, deliver and install B.C. Hydro service boxes	each	30	\$ <u>53<sup>50</sup></u>	\$ <u>1605<sup>00</sup></u>
3.	Supply and install B.C. Hydro kiosk pads.	each	7	\$ <u>241<sup>75</sup></u>	\$ <u>1692<sup>25</sup></u>
4.	Supply and install B.C. Hydro pull box, (vault).	each	5	\$ <u>692<sup>15</sup></u>	\$ <u>3460<sup>75</sup></u>
5.	Pick up, deliver and install B.C. Telephone concrete service box.	each	29	\$ <u>53<sup>50</sup></u>	\$ <u>1551<sup>50</sup></u>
6.	Pick up, deliver and install B.C. Tel vault.	each	5	\$ <u>321<sup>00</sup></u>	\$ <u>1605<sup>00</sup></u>
7.	Concrete encasement.	metre	30	\$ <u>498<sup>15</sup></u>	\$ <u>1494<sup>50</sup></u>
	TOTAL SECTION VI				\$ <u>42122<sup>40</sup></u> ✓

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SECTION VII - MISCELLANEOUS AND CONTINGENCY WORK

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<u>Unit</u>	<u>Description</u>	<u>Unit</u>	<u>Quantity</u>	<u>Unit Price</u>	<u>Amount</u>
1.	Contingency work payment to be made per Section 40 General Conditions.	Provisional	--		\$70,000.0

TOTAL SECTION VII

\$70,000.0

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THE CORPORATION OF THE DISTRICT OF BURNABY

CONTRACT 8501

6TH STREET/LAKEFIELD SUBDIVISION

TENDER SUMMARY

Site Preparation	Section I	\$ 182,255 <sup>15</sup>	✓
Roadworks	Section II	\$ 274,712 <sup>25</sup>	✓
Sanitary & Storm Sewers	Section III	\$ 270,639 <sup>73</sup>	✓
Water Works	Section IV	\$ 107,289 <sup>29</sup>	✓
Street Lighting	Section V	\$ 41,000 <sup>00</sup>	✓
Underground Hydro and Telephone Civil Works	Section VI	\$ 42,122 <sup>90</sup>	✓
Miscellaneous and Contingency Work	Section VII	\$ 70,000.00	✓
	TOTAL TENDER	\$ 988,014 <sup>67</sup>	✓

TENDERER: PROGRESSIVE CONTRACTING (ANGLEY) LTD.

✓

