

RE: CONTRACT #8402 - CAMROSE AND VENABLES STREET SUBDIVISIONS

MUNICIPAL MANAGER'S RECOMMENDATION:

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

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TO: MUNICIPAL MANAGER

1984 July 18

FROM: DIRECTOR FINANCE

RE: CONTRACT #8402 - CAMROSE AND PARKER/HOLDOM SUBDIVISIONS

RECOMMENDATION

1. THAT the lowest tender in the amount of \$699,880.84 submitted by Progressive Contracting (North Fraser) Ltd. be accepted with final payment based on actual quantities and unit prices tendered.

REPORT

Tenders for this project were received up to 3:00 p.m. local time on Tuesday, 1984 July 17.

The work of this contract consists of the supply and installation of materials, including all labour, equipment plant and tools related to the construction of roads, storm sewers, sanitary sewers, waterworks and street lighting in accordance with municipal specifications for the development of Camrose and Parker/Holdom subdivisions.

The estimate for this project is \$796,104.00.

All work included under this contract shall be completed within sixty (60) consecutive working days after commencement of construction.

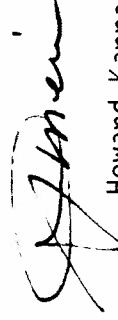
Nine (9) tenders were received and opened in the presence of municipal staff and representatives of the firms bidding.

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

Funds for this project are provided in the 1984 Capital Budget under Land Assembly and Development.

A combination of the schedule of quantities, coupled with the unit prices submitted by the lowest bidder, Progressive Contracting (North Fraser) Ltd., is also attached. (Attachments B-1 to B-7)

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


Howard Karras
for DIRECTOR FINANCE

Attach.

cc: Director Engineering
Municipal Clerk
Municipal Solicitor

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THE CORPORATION OF THE DISTRICT OF BURBARY
TABULATION OF TENDERS
CONTRACT #8402
CAMROSE AVENUE AND PARKER/HOLDEM SUBDIVISIONS
 PURCHASING DEPARTMENT
 1984 July 17

NO.	COMPANY NAME	TOTAL
1.	Gosal Bros. Contracting Ltd.	\$ 924,998.50
2.	Southwest Contracting Ltd.	906,415.40
3.	Atlantic Contractors Ltd.	803,874.43
4.	Riverside Excavating Ltd.	753,426.70
5.	Kany Construction & Engineering Ltd.	916,897.75
6.	Progressive Contracting (North Fraser) Ltd.	699,880.84
7.	C. Victor Koran Ltd.	835,809.00
8.	Cicuto & Sons Contractors Ltd.	825,601.50
9.	Vanderzalm Construction	725,247.00
TOTAL		

LOWEST BIDDER:

Progressive Contracting (North Fraser) Ltd.

#201 - 5631 No. 3 Road
 Richmond, B.C.
 V6X 2C7
 (273-6655)



ITEM
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THE CORPORATION OF THE DISTRICT OF BURNABY
SCHEDULE OF APPROXIMATE QUANTITIES AND UNIT PRICES

CONTRACT #8402

CAMROSE AND PARKER/HOLDOM SUBDIVISIONS

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 tendered 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 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

This section covers all excavation for surface works. Materials must be excavated, loaded, hauled and disposed of to qualify for payment under this section.

<u>Item</u>	<u>Description</u>	<u>Unit</u>	<u>Quantity</u>	<u>Unit Price</u>	<u>Amount</u>
1.	Clearing and Grubbing	hectare	2.6	\$ 9,025.00	\$ 23,465.00
2.	Common excavation & disposal of excavated materials.	cu. m	11,100	\$ 6.00	\$ 66,600.00
3.	Rock excavation & disposal. Provisional.	cu. m	20	\$ 55.00	\$ 1,100.00

TOTAL SECTION I

\$ 91,165.00

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>Unit Price</u>	<u>Amount</u>
1.	Subgrade preparation - grading, shaping & compacting for roadways.	m ²	8,500	\$ 0.64	\$ 5,440.00
2.	Supply and install pitrun gravel road fill.	tonne	6,800	\$ 5.85	\$ 39,780.00
3.	Supply and install 75 mm minus crushed gravel base course.	m ²	8,500	\$ 3.20	\$ 27,200.00

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Section II: ROADWORKS (continued)

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<u>Item</u>	<u>Description</u>	<u>Unit</u>	<u>Quantity</u>	<u>Unit Price</u>	<u>Amount</u>
4.	Supply and install 20 mm minus crushed gravel surface course.				
a)	75 mm thickness	m ²	5,350	\$ 2.20	\$ 11,770.00
b)	50 mm thickness	m ²	3,280	\$ 1.75	\$ 5,740.00
5.	Supply and install asphaltic concrete Type IV for roads and lanes.	tonnes	1,235	\$ 34.67	\$ 42,817.45
6.	Combined curb and gutter Type B or BX, curved or straight, including vertical adjustment of catchbasins.	lin. m	1,040	\$ 27.65	\$ 28,756.00
7.	Asphaltic concrete extruded curb.	lin. m	380	\$ 8.80	\$ 3,344.00
8.	Boulevard grading.	m ²	9,900	\$ 0.95	\$ 9,405.00
9.	Concrete sidewalk including excavation and granular base.	m ²	496	\$ 21.40	\$ 10,614.40
10.	Asphalt sidewalk including excavation and granular base.	m ²	5	\$ 18.25	\$ 91.25
11.	Concrete driveway crossing including excavation and granular base.	ea.	2	\$ 251.00	\$ 502.00
12.	Saw cut existing asphalt.	lin. m	50	\$ 9.10	\$ 455.00
13.	Remove and dispose of existing asphalt.	m ²	320	\$ 1.00	\$ 320.00
14.	Supply and install reflectorized concrete guard rails.	lin. m	15	\$ 130.00	\$ 1,950.00
15.	Supply and install walkway pipe barriers as per Std. Drawing L1063.	ea.	2	\$ 750.00	\$ 1,500.00
16.	Supply and install tile drain behind curb or sidewalk.	lin. m	590	\$ 21.35	\$ 12,596.50
17.	Remove and dispose of existing culverts.	lin. m	8	\$ 55.00	\$ 440.00
	TOTAL SECTION II				\$ 202,721.60

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Section III: STORM SEWERS

This section includes all storm drainage works required. Unit prices are to include excavation, bedding, pipe laying and backfilling with imported granular materials. Payment is in accordance with Form V 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.	200 mm dia. storm sewer. All depths. (Import backfill) <u>Alternate</u> 200 mm dia. storm sewer. All depths. (Native backfill)	lin. m	1,262	\$ 49.75	\$ 62,784.50
2.	250 mm dia. storm sewer. All depths. (Import backfill) <u>Alternate</u> 250 mm dia. storm sewer. All depths. (Native backfill)	lin. m	unit rate only	\$ 37.50	
3.	300 mm dia. storm sewer. All depths. (Imported backfill) <u>Alternate</u> 300 mm dia. storm sewer. All depths. (Native backfill)	lin. m	175	\$ 71.45	\$ 12,503.75
4.	Supply and install manholes. Depth measured from centre invert to underside of MH frame. a) 1050 mm \emptyset b) 1200 mm \emptyset	vert. m	41.5	\$ 582.00	\$ 24,153.00
5.	Supply and install clean-outs.	vert. m	2.1	\$ 527.00	\$ 1,106.70
6.	Catchbasins Supply and install. Type I or II Type III Type V	each	3	\$ 441.00	\$ 1,323.00
		each	1	\$ 795.00	\$ 795.00
		each	16	\$ 491.00	\$ 7,856.00
7.	Catchbasin leads, all depths. Supply and install. a) 150 mm \emptyset b) 200 mm \emptyset c) 300 mm \emptyset	lin. m	67	\$ 41.25	\$ 2,763.75
8.	Construct outside drop structure at manhole.	lin. m	6	\$ 55.25	\$ 331.50
9.	Culvert, 300 mm \emptyset .	lin. m	8	\$ 73.00	\$ 584.00
10.	Cut and plug existing lead.	vert. m	1.2	\$ 350.45	\$ 420.54
11.	Supply and install service connections.	lin. m	9	\$ 75.00	\$ 675.00
12.	Relocation of existing catchbasin.	each	1	\$ 180.00	\$ 180.00
13.	Adjustment of existing manholes.	each	66	\$ 155.00	\$ 10,230.00
		each	1	\$ 165.00	\$ 165.00
		each	1	\$ 95.00	\$ 95.00

TOTAL SECTION III

\$ 141,738.74

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Section IV - SANTARY SEWERS

This section includes all sanitary sewer works required. Unit prices are to include excavation, bedding, pipe laying and backfilling with imported granular materials. Payment is in accordance with 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.	200 mm dia. sanitary sewer, all depths. (Import backfill)	lin. m	1,360	\$ 48.95	\$ 66,572.00
	<u>Alternate</u> 200 mm dia. sanitary sewer, all depths. (Native backfill)	lin. m	unit rate only	\$ 38.00	
2.	Supply and install 1050 mm \emptyset manholes. Depth measured from centre invert to underside of M.H. frame.	vert. m	48.0	\$ 512.00	\$ 24,576.00
3.	Construct outside drop structure at manhole.	vert. m	1.2	\$ 221.00	\$ 265.00
4.	Supply and install clean-outs.	vert. m	3.0	\$ 443.00	\$ 1,329.00
5.	Supply and install service connections.	ea.	57	\$ 115.00	\$ 6,555.00
TOTAL SECTION IV					\$ 99,297.00

Section V: WATER WORKS

This section includes all water works required. Unit prices are to imported excavation, bedding, pipe laying and backfilling with suitable granular materials. Payment is in accordance with Form VI 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.	150 mm \emptyset water main, all depths. (Import backfill)	lin. m	702	\$ 48.60	\$ 34,117.20
	<u>Alternate</u> 150 mm \emptyset water main, all depths. (Native backfill)	lin. m	unit rate only	\$ 43.45	
2.	Supply and install service connections.	ea.	52	\$ 286.00	\$ 14,872.00
3.	Supply and install watermain fittings and valves.				
a)	Gate valves 150 mm \emptyset	ea.	7	\$ 325.00	\$ 2,275.00
b)	Tees, 150 mm \emptyset	ea.	5	\$ 280.00	\$ 1,400.00
c)	Bends, 150 mm \emptyset	ea.	4	\$ 135.00	\$ 540.00
d)	Air relief valve	ea.	1	\$ 365.00	\$ 365.00

Section V: WATER WORKS (continued)

<u>Item</u>	<u>Description</u>	<u>Unit</u>	<u>Quantity</u>	<u>Unit Price</u>	<u>Amount</u>
4.	Supply and install blow-off.	ea.	3	\$ 345.00	\$ 1,035.00
5.	Supply and install hydrant assembly.	ea.	3	\$ 1,350.00	\$ 4,050.00
6.	Remove and dispose of existing watermain.	lin. m	66	\$ 12.10	\$ 798.60
TOTAL SECTION V					\$ 59,452.80

Section VI: STREET LIGHTING

The price tendered shall include all equipment, labour, material and expense necessary for digging trenches or vibratory plowing for ducts, holes for concrete pole bases, laying P.V.C. ducts, installing junction boxes, wires, poles, lamps, luminaires and other electrical parts of the system including concrete bases for poles; delivery of all materials to the construction site, storing and distributing; backfilling, compacting, restoring curbs, sidewalks, paved and other surfaces; protection and all other work necessary and incidental to the ornamental street lighting system complete and ready for use.

<u>Item</u>	<u>Description</u>	<u>Unit</u>	<u>Quantity</u>	<u>Unit Price</u>	<u>Amount</u>
LUMP SUM					\$ 17,548.00
TOTAL SECTION VI					\$ 17,548.00

Section VII: UNDERGROUND HYDRO AND TELEPHONE

The tendered rate for the following items shall include the installation of all materials including the excavation and all bedding and backfilling materials as required by the current specifications of the British Columbia Hydro and Power Authority and B.C. Telephone.

<u>Item</u>	<u>Description</u>	<u>Unit</u>	<u>Quantity</u>	<u>Unit Price</u>	<u>Amount</u>
1.	Install main duct work.				
a)	1 to 4 ducts per m of trench	lin. m	600	\$ 14.55	\$ 8,730.00
b)	5 to 8 ducts per m of trench	lin. m	300	\$ 24.30	\$ 7,290.00
c)	Additional cost for concrete encasement of (a) and (b) above.	lin. m	50	\$ 37.45	\$ 1,872.50
2.	Install hydro service boxes, including stub service to lots and service ducts across roads or connection to main line.	ea.	25	\$ 185.00	\$ 4,625.00

Section VII: UNDERGROUND HYDRO AND TELEPHONE (continued)

<u>Item</u>	<u>Description</u>	<u>Unit</u>	<u>Quantity</u>	<u>Unit Price</u>	<u>Amount</u>
3.	Install telephone service boxes including stub service to lots and service ducts across roads or connection to main line.	ea.	25	\$ 185.00	\$ 4,625.00
4.	Supply all materials and construct concrete base (mini pad) for low profile transformer.	ea.	8	\$ 195.00	\$ 1,560.00
5.	Supply all materials and construct concrete base for junction or switching kiosk.	ea.	5	\$ 325.00	\$ 1,625.00
6.	Install B.C. Telephone man-hole complete with drains where applicable.				
	a) 1.3 m Ø	ea.	2	\$ 375.00	\$ 750.00
	b) 1.2 m x 1.2 m x 1.07 m	ea.	2	\$ 270.00	\$ 540.00
	c) 1.5 m x 1.5 m x 1.5 m	ea.	3	\$ 325.00	\$ 975.00
7.	Supply and install Hydro pull boxes.				
	a) Size 1 (2.4 x 0.9 x 1.07 m)	ea.	3	\$ 880.00	\$ 2,640.00
	b) Size 3 (3.2 x 0.9 x 1.07 m)	ea.	3	\$ 1100.00	\$ 3,300.00
8.	Supply and install pilaster.	ea.	2	\$ 270.00	\$ 540.00
9.	Supply only of B.C. Tel duct including all appurtenances.				
	a) 75 mm Ø	lin. m	600	\$ 3.85	\$ 2,310.00
	b) 50 mm Ø	lin. m	500	\$ 3.15	\$ 1,575.00
TOTAL SECTION VII					\$ 42,957.50

Section VIII: MISCELLANEOUS AND CONTINGENCY WORK

<u>Item</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	--		\$ 45,000.00
Sum					
TOTAL SECTION VIII					\$ 45,000.00

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THE CORPORATION OF THE DISTRICT OF BURNABY

CONTRACT # 8402

CAMROSE AND VENABLES STREET SUBDIVISIONS

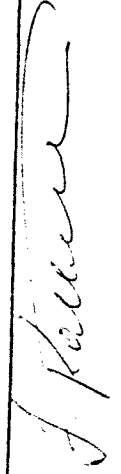
TENDER SUMMARY

Site Preparation	Section I	\$ 91,165.00
Roadworks	Section II	\$ 202,721.60
Storm Sewers	Section III	\$ 141,738.74
Sanitary Sewers	Section IV	\$ 99,297.20
Water Works	Section V	\$ 59,452.80
Street Lighting Appurtenances	Section VI	\$ 17,548.00
Underground Hydro and Telephone Civil Works	Section VII	\$ 42,957.50
Miscellaneous and Contingency Work	Section VIII	\$ 45,000.00
	TOTAL TENDER	\$ 699,880.84


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TENDERER: PROGRESSIVE CONTRACTING (NORTH FRASER) LTD.



MR. F. KALLERISER, MANAGER

