



THE CORPORATION OF THE CITY OF BRAMPTON

BY-LAW

84-78

Number _____


A By-law to authorize the execution
of Contract #78-107 with Graham Bros.
Construction Limited.
(STREET UPGRADING OF JOHN STREET, MILL
STREET, TRELEAVEN DRIVE AND MERCER DRIVE)

WHEREAS it is deemed expedient to enter into and execute
Contract #78-107 with Graham Bros. Construction Limited;

NOW THEREFORE the Council of The Corporation of the City
of Brampton ENACTS as follows:

1. That the City of Brampton enter into and execute
Contract #78-107 with Graham Bros. Construction
Limited, attached hereto as Schedule "A".
2. That the Mayor and the Clerk are hereby authorized
to affix their signatures to the said Contract
#78-107, attached hereto as Schedule "A", with
Graham Bros. Construction Limited.

READ A FIRST, SECOND AND THIRD TIME AND PASSED in Open
Council this 24th day of April, 1978.


James E. Archdekin, Mayor


Kenneth R. Richardson, Clerk

THE CORPORATION OF THE CITY OF BRAMPTON
FORM OF AGREEMENT

CONTRACT NO. 78-107

This agreement made in quadruplicate this 12th day of
April 1978.

BETWEEN: The Corporation of the City of Brampton
(Hereinafter called the "Corporation"
of the first part)

-AND- GRAHAM BROS. CONSTRUCTION LIMITED
(Hereinafter called the "Contractor"
of the second part)

WITNESSETH

That the Corporation and the Contractor in consideration of the fulfillment of their respective promises and obligations herein set forth covenant and agree with each other as follows:-

ARTICLE 1 :

a) A general description of the work is:-

Street upgrading of John Street, Mill Street, Treleven Drive and
Mercer Drive

b) The Contractor shall, except as otherwise specifically provided, at his own expense provide all and every kind of labour, machinery, plant, structures, roads, materials and appliances, articles and things necessary for the due execution and completion of all the work set out in this Contract and shall forthwith according to the instructions of the Engineer commence the works and diligently execute the respective portions thereof, and deliver the works complete in every particular to the Corporation within the time specified in the General Conditions of this Tender.

ARTICLE 2 :

In the event that the Tender provides for and contains a contingency allowance it is understood and agreed that such contingency allowance is merely for the convenience of accounting by the Corporation and the Contractor is not entitled to payment thereof except for extra work or additional work carried out by him in accordance with the Contract and only to the extent of such extra or additional work.

ARTICLE 3 :

In case of inconsistency or conflict between the provisions of this Agreement and the Plans, or Specifications, or General Conditions, or Tender or any other document or writing the Provisions of such documents shall take precedence and govern in the following order, namely:

1. This Agreement
2. Special and/or Supplemental Provisions
3. Information for Tenderers
4. General Conditions
5. Standard Specifications
6. Plans
7. Tender

The foregoing documents enumerated one to seven inclusive are all of the Contract Documents and constitute the full agreement between the parties.

ARTICLE 4

The Corporation covenants with the Contractor that the Contractor having in all respects complied with the Provisions of this Contract will be paid for the works included herein in accordance with the Unit Prices as set out in the Form of Tender, forming part of this Contract, and in accordance with the Provisions as set out in the Conditions and Specifications forming part of this Contract.

ARTICLE 5

Where any notice, direction or other communication is required to be or may be given or made by one of the parties hereto, to the other or to the Engineer, it shall be deemed sufficiently given or made if mailed by prepaid first class mail or delivered in writing to such party or to the Engineer at the following addresses:

CONTRACTOR: <u>Graham Bros. Construction Limited</u> <u>290 Clarence Street,</u> <u>Brampton, Ontario</u> L6W 1T4	ENGINEER: J. F. Curran, P.Eng. City Engineer 24 Queen Street East Brampton, Ontario L6V 1A4
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ARTICLE 6

A copy of each of the Contract Documents is hereto annexed and together with the Ministry of Transportation and Communications Specifications referred to in the Contract Documents and the Plans listed in the Specifications, are made part of this Contract as fully to all intents and purposes as though recited in full herein.

ARTICLE 7

No implied contract of any kind whatsoever by or on behalf of the Corporation shall arise or be implied from anything in this Contract contained, nor from any position or situation of the parties at anytime, it being clearly understood that the express covenants and agreements herein contained made by the Corporation shall be the only covenants and agreements upon which any rights against the Corporation may be founded.

ARTICLE 8

Time shall be deemed the essence of this Contract.

ARTICLE 9

The Contractor declares that in tendering for the works and in entering into this Contract he has either investigated for himself the character of the work and all local conditions above and below ground surface where applicable that might affect his Tender or his acceptance of the Work, or that not having so investigated is willing to assumed and does hereby assume all risk of conditions arising or developing in the course of the work which might or could make the work or any items thereof, more expensive in character, or more onerous to fulfill, than was contemplated or known when the Tender was made or the Contract signed. The Contractor also declares that he did not and does not rely upon information furnished by any methods whatsoever, by the Corporation or its' employees, being aware that any information from such sources was and is approximate, and speculative only, and was not in any manner warranted or guaranteed by the Corporation.

ARTICLE 10

This Contract shall apply to and be binding on the Parties hereto and their heirs, executors, administrators, successors and assigns and each of them.

IN WITNESS WHEREOF the parties hereto have hereunto set their hands and seals the day and year first above written or caused their corporate seals to be affixed, attested by the signature of their proper officers as the case may be.

B. Wash

WITNESS AS TO SIGNATURE OF CONTRACTOR

240 CLARENCE ST.
BRAMPTON ONT.

ADDRESS

OCCUPATION GEN. MGR.

Wm Graham

Graham Bros. Construction
Limited

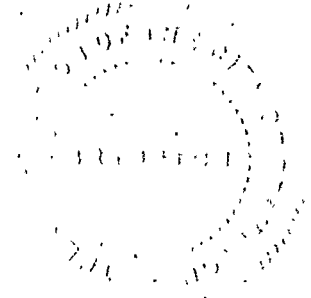
THE CORPORATION OF THE CITY OF BRAMPTON

MAYOR

James E. Archibald

CLERK

Kenneth R. Richardson



THE CORPORATION OF THE CITY OF BRAMPTON

FORM OF TENDER.

CONTRACT NO. 78-107

This Tender Submitted By: GRAHAM BROS.

CONSTRUCTION LIMITED

ADDRESS: 290 CLARENCE ST. BRAMPTON ONT

TELEPHONE NUMBER: 453-1200

TO THE MAYOR AND COUNCIL OF THE CORPORATION OF THE CITY OF BRAMPTON :

I/We the undersigned declare that no person, firm or corporation other than the one whose signature or the signatures of whose proper officers and the seal is or are attached below, has any interest in this tender or in the contract proposed to be taken.

I/We further declare that this tender is made without any connection, knowledge, comparison of figures or arrangement with any other company, firm or person making tender for the same work and is in all respects fair and without collusion or fraud.

I/We further declare that we have carefully examined the locality and site of the proposed works, as well as the plans, drawings, profiles, Specifications, Form of Tender, Information for Tenderers, General Conditions, Agreement by the City Engineer, by and on behalf of the Corporation of the City of Brampton, and hereby acknowledge the same to be part and parcel of any contract to be let for the work therein described or defined and do hereby tender and offer to enter into a contract to do all of the work and to provide all of the labour, and to provide, furnish, deliver, place and erect all materials mentioned and described or implied therein including in every case freight, duty, exchange, and sales tax in effect on the date of acceptance of the tender, and all other charges on the terms and conditions and under the provisions therein set forth and to accept in full payment therefore the sums calculated in accordance with the actual measured quantities and unit prices set forth in the Schedule of Quantities and Unit Prices attached hereto:-

I/We further declare that if the tender is accepted by the City, we will execute whatever additional work may be required at the Unit Prices shown herein in strict conformity and in all respects with the requirements of this tender, specifications, general conditions and form of agreement hereto annexed or to be annexed hereto.

I/We also agree that deductions from the said contract, if any, shall be made at the unit prices shown in the Schedule of Quantities and Unit Prices as herein contained.

I/We agree that this offer is to continue open to acceptance until the formal contract is executed by the successful tenderer for the said work or until 60 days after the tender closing date whichever event first occurs, and that the City may at any time within that period and without notice accept this tender whether any other tender had been previously accepted or not.

I/We agree that if we withdraw this tender after closing and before the Council of the said City shall have considered the tenders and awarded the Contract in respect thereof, during the time that this tender is open to acceptance as set out above in this tender form the amount of the deposit accompanying this tender shall be forfeited to the City.

I/We agree that the awarding of the contract based on this tender by the Council of the said City shall be an acceptance of this tender.

If this tender is accepted I/We agree to furnish the required contract bond in the form attached hereto, insurance certificate and Workmen's Compensation Board Letter, and properly sign the Contract documents in quadruplicate within 10 days after being notified so to do. In the event of default or failure on our part so to do, I/We agree that the Corporation of the City of Brampton shall be at liberty to retain the money deposited by Me/Us to the use of the City and to accept the next lowest or any tender, or to advertise for new tenders, or to carry out the works in any other way they deem best and I/We also agree to pay to the said City the difference between this tender and any greater sum which the City may expend or incur by reason of such default or failure, or by reason of such default or failure, or by reason of such acting, as aforesaid, on their part, including the cost of advertising for new tenders; and to indemnify and save harmless the said City and their officers from all loss, damage, cost, charges and expense which they may suffer or be put to by reason of any such default or failure on My/Our part.

I/We propose THE CONTINENTAL INSURANCE COMPANY

A company which is willing to become bound with me/us in the amount designated for the due performance and fulfillment of the contract for which this is the tender.

I/We agree that the date of completion as referred to in the General Conditions shall be 75 working days from the date of written order to commence work. The Contractor agrees to pay the Corporation \$100.00 as liquidated damages, per day for each and every day that any portion of the work remains incomplete, after the time of completion as specified above.

A certified cheque in the amount of \$ 10,000.00

TEN THOUSAND DOLLARS 04/100 is enclosed, Dated at

BRAMPTON ONT this 28TH day of MARCH 1978

[Signature]
SIGNATURE OF WITNESS

[Signature]
SIGNATURE AND SEAL OF TENDERER

SCHEDULE OF QUANTITIES
AND UNIT PRICES

FT5

CONTRACT NO. 78-107
STREET UPGRADING

The Tenderer shall prepare this Tender legibly in ink or typewriter. Any changes, erasures or overwriting of the prices shall be initialled.

In the event of a discrepancy between the extended total of an item and the product of the item quantity and the unit price for the same item, then the unit price quoted for that item will be accepted and the total of the tender adjusted accordingly.

Specification numbers and S.P. refer to the Ministry of Transportation and Communications Specifications. Special refers to the City of Brampton Special Provisions. City refers to the City of Brampton Standard Specifications.

ITEM NO.	SPEC. NO.	DESCRIPTION	EST. QTY.	UNIT	UNIT PRICE	AMOUNT
<u>PART "A" MERCER DRIVE</u>						
A1.	City Special	Supply and install concrete storm sewer pipe (with rubber gasket joints) Class "B" bedding and granular backfill to top of trench				
a.		15" dia. C14-SS	172	Lin.Ft.	\$ <u>27.50</u> per lin.ft.	\$ <u>4,730.00</u>
b.		18" dia. C14-SS	517	Lin.Ft.	\$ <u>31.80</u> per lin.ft.	\$ <u>16,440.60</u>
A2.	City Special	Construct manholes including excavation, granular backfill, frames and covers				
a.		as per Std. Dwg. No. 302	31.6	Vt.Ft.	\$ <u>122.00</u> per vt.ft.	\$ <u>3,855.20</u>
A3.	City Special	Break into, connect to and reinstate storm manhole on Queen St.		Lump Sum		\$ <u>570.00</u>
A4.	City	Construct catchbasins including excavation, frames, grates and granular backfill				
a.		24" square as per Std. #320&325	4	Each	\$ <u>427.50</u> per each	\$ <u>1,710.00</u>
b.		Double as per Std. #321 & 325	2	Each	\$ <u>710.00</u> per each	\$ <u>1,420.00</u>
c.		Dome type as per Std. #324	2	Each	\$ <u>403.75</u> per each	\$ <u>807.50</u>
A5.	City Special	Catchbasin leads including appropriate fitting, Class "B" bedding and granular backfill				
a.		8" dia. C14-SS	60	Lin.Ft.	\$ <u>23.80</u> per lin.ft.	\$ <u>1,428.00</u>
b.		10" dia. - C14-SS	42	Lin.Ft.	\$ <u>24.80</u> per lin.ft.	\$ <u>1,041.60</u>
c.		12" dia. - C14-SS	24	Lin.Ft.	\$ <u>25.50</u> per lin.ft.	\$ <u>612.00</u>

ITEM NO.	SPEC. NO.	DESCRIPTION	EST. QTY.	UNIT	UNIT PRICE	AMOUNT
A6.	Special	Remove existing catchbasins and plug existing pipe where shown on the Drawings(frames and grates to the City Yard)	2	Each	\$ <u>190.00</u> per each	\$ <u>380.00</u>
A7.	City, Special 200	Earth excavation to subgrade including culvert removal, removal of pipe drains and removal and grubbing of trees and shrubs as required.	1,650	Cu.Yd.	\$ <u>2.15</u> per cu.yd.	\$ <u>3,547.50</u>
A8.	City	Special subgrade excavation	25	Cu.Yd.	\$ <u>2.90</u> per cu.yd.	\$ <u>72.50</u>
A9.	City 314	Supply,place and compact granular base course				
a.		Granular "B"	1,450	Tons	\$ <u>3.35</u> per ton	\$ <u>4,857.50</u>
b.		Granular "A"	850	Tons	\$ <u>3.70</u> per ton	\$ <u>3,145.00</u>
c.		Sand Cushion	50	Tons	\$ <u>3.35</u> per ton	\$ <u>167.50</u>
A10.	City	Supply and apply water for compaction of base course (1 m.g. = 1,000-gallons)	20	M.Gal.	\$ <u>8.50</u> per m.gal.	\$ <u>170.00</u>
A11.	City	Supply and apply calcium chloride	5	Tons	\$ <u>120.00</u> per ton	\$ <u>600.00</u>
A12.	310 City	Supply, mix and place hot-mix, hot-laid asphalt (exclusive of asphalt cement cost)				
a.		H.L.6	225	Tons	\$ <u>11.00</u> per ton	\$ <u>2,475.00</u>
b.		H.L.3	225	Tons	\$ <u>11.50</u> per ton	\$ <u>2,587.50</u>
A13.	City,9 409 Special	Construct concrete curb and gutter as per Std. #220	1,500	Lin.Ft.	\$ <u>4.30</u> per lin.ft.	\$ <u>6,450.00</u>
A14.a.	Special	Remove existing concrete sidewalk where indicated on drawings(5 s.f.= 1 lin.ft.)	20	Lin.Ft.	\$ <u>1.60</u> per lin.ft.	\$ <u>32.00</u>
b.		Remove existing concrete curb	10	Lin.Ft.	\$ <u>1.60</u> per lin.ft.	\$ <u>16.00</u>
A15	City Special	Construct concrete sidewalks as per Std. #225 (5 sq.ft.- 1 lin.ft)	750	Lin.Ft.	\$ <u>5.50</u> per lin.ft.	\$ <u>4,125.00</u>
A16.	City,571 Special	Supply and place nursery sod including 3" topsoil	2,350	Sq.Yd.	\$ <u>1.35</u> per sq.yd.	\$ <u>3,172.50</u>
A17.	City	Supply and apply water for sod (1 m.g. = 1,000 gallons)	10	M.Gal.	\$ <u>19.00</u> per m.g.	\$ <u>190.00</u>
A18.	Special	Reinstate driveways from curb				
a.		6" gran. "A" + 2" H.L.3 (including Asphalt Cement)	400	Sq.Yd.	\$ <u>6.60</u> per sq.yd.	\$ <u>2,640.00</u>

SCHEDULE OF QUANTITIES
AND UNIT PRICES

FT7

CONTRACT #78-107
STREET UPGRADING

ITEM NO.	SPEC. NO.	DESCRIPTION	EST. QTY.	UNIT	UNIT PRICE	AMOUNT
b.		6"-3/4" crushed limestone	220	Sq.Yd.	\$ 3.20 per sq.yd.	\$ 704.00
c.		6" concrete	10	Sq.Yd.	\$ 13.80 per sq.yd.	\$ 138.00
A19.a.	Special	Burn in existing asphalt	65	Lin.Ft.	\$ 1.95 per lin.ft.	\$ 126.75
b.		Saw cut asphalt pavement	30	Lin.Ft.	\$ 1.95 per lin.ft.	\$ 58.50
A20.		Supply Asphalt Cement (See Information for Tenderers)	Provisional Sum			\$2,700.00
A21.	City	Adjust existing manholes and valve chambers to finished grade	3	Each	\$ 76.00 per each	\$ 228.00
A22.	City Special	Adjust existing gas and water valves to finished grade	2	Each	\$ 76.00 per each	\$ 152.00
A23.	Special	Lower existing water services	20	Lin.Ft.	\$ 8.55 per lin.ft.	\$ 171.00
A24.	Special	Replace existing cast iron watermain at catchbasin lead and sewer crossings with material supplied by Region of Peel	1	Each	\$ 570.00 per each	\$ 570.00
A25.	Special	Replace existing water service with 3/4" copper including plug at main, replacing curb stop and box, granular backfill and compaction; all in accordance with Region of Peel Std. Dwg. #5-6 (Watermain Material supplied by Region of Peel)				
a.		Short Service	1	Each	\$ 285.00 per each	\$ 285.00
b.		Long Service	1	Each	\$ 451.25 per each	\$ 451.25
A26.	Special	Relay existing sanitary connection which conflict with storm sewer	3	Each	\$ 427.50 per each	\$ 1282.50
A27.	Special	Supply and place 15 M Pa. concrete exclusive of form work	5	m ³	\$ 52.00 per m ³	\$ 260.00
A28.		Contingency Item (See Information for Tenderers)				\$ 7,000.00
TOTAL AMOUNT FOR PART "A" MERCER DRIVE (carried to summary)						\$ 81,369.90

.....FT/8

ITEM NO.	SPEC. NO.	DESCRIPTION	EST. QTY.	UNIT	UNIT PRICE	AMOUNT
PART "B" TRELEAVEN DRIVE						
B1.	City Special	Supply and install concrete storm sewer pipe (with rubber gasket joints) Class "B" bedding and granular backfill to top of trench				
a.		12" dia. C14-SS	300	Lin.Ft.	\$ <u>25.00</u> per lin.ft.	\$ <u>7,500.00</u>
B2.	City Special	Construct manholes including excavation, granular backfill, frames and covers.				
a.		as Per Std. #302	12.5	Vt.Ft.	\$ <u>128.50</u> per vt.ft.	\$ <u>1,606.25</u>
B3.	City Special	Locate and connect new storm sewer to existing 12" storm sewer stub on Treleaven Drive just north of Harold Street		Lump Sum		\$ <u>190.00</u>
B4.	City	Construct catchbasins including excavation, frames, grates and granular backfill				
a.		24" square as per Std. #320 & 325	1	Each	\$ <u>427.50</u> per each	\$ <u>427.50</u>
b.		Double as per Std. #321 & 325	2	Each	\$ <u>710.00</u> per each	\$ <u>1,420.00</u>
B5.	City Special	Supply and install catchbasin leads including appropriate fitting, Class "B" bedding and granular backfill				
a.		8" dia. C14-SS	5	Lin.Ft.	\$ <u>43.00</u> per lin.ft.	\$ <u>215.00</u>
b.		10" dia. C14-SS	35	Lin.Ft.	\$ <u>24.75</u> per lin.ft.	\$ <u>866.25</u>
B6.	Special	Remove existing catchbasins and plug existing pipe where shown on drawings (frames and grates to City)	4	Each	\$ <u>190.00</u> per each	\$ <u>760.00</u>
B7.	City Special 200	Earth excavation to subgrade including culvert removal, removal of pipe drains and removal and grubbing of trees and shrubs as required	800	Cu.Yd.	\$ <u>2.15</u> per cu.yd.	\$ <u>1,720.00</u>
B8.	City Special	Subgrade Excavation	25	Cu.Yd.	\$ <u>2.90</u> per cu.yd.	\$ <u>72.50</u>
B9.	City 314	Supply, place and compact granular base course				
a.		Granular "B"	850	Tons	\$ <u>3.35</u> per ton	\$ <u>2,847.50</u>
b.		Granular "A"	500	Tons	\$ <u>3.70</u> per ton	\$ <u>1,850.00</u>
c.		Sand Cushion	50	Tons	\$ <u>3.35</u> per ton	\$ <u>167.50</u>

SCHEDULE OF QUANTITIES
AND UNIT PRICES

FT9

CONTRACT #78-107
STREET UPGRADING

ITEM NO.	SPEC. NO.	DESCRIPTION	EST. QTY.	UNIT	UNIT PRICE	AMOUNT
B10.	City	Supply and apply water for compaction of base course (1 m.gal. = 1,000 gallons)	20	M.Gal.	\$ <u>8.50</u> \$ per m.gal.	<u>170.00</u>
B11.	City	Supply and apply calcium chloride	5	Tons	\$ <u>120.00</u> \$ per ton	<u>600.00</u>
B12.	310 City	Supply, mix and place hot-mix, hot-laid asphalt (exclusive of asphalt cement cost)				
a.	H.L.6		140	Tons	\$ <u>11.00</u> \$ per ton	<u>1,540.00</u>
b.	H.L.3		140	Tons	\$ <u>11.50</u> \$ per ton	<u>1,610.00</u>
B13.	City, 9 409 Special	Construct concrete curb and gutter as per Std. #220	850	Lin.Ft.	\$ <u>4.30</u> \$ per lin.ft.	<u>3,655.00</u>
B14.	Special 571 City	Supply and place nursery sod including 3" topsoil	1,200	Sq.Yd.	\$ <u>1.35</u> \$ per sq.yd.	<u>1,620.00</u>
B15.	City	Supply and apply water for sod (1 m.g. = 1,000 gallons)	10	M.Gal.	\$ <u>19.00</u> \$ per m.gal.	<u>190.00</u>
B16.	Special	Reinstate driveways from curb				
a.	6" Granular "A" + 2" H.L.3 (including asphalt cement)		140	Sq.Yd.	\$ <u>6.60</u> \$ per sq.yd.	<u>924.00</u>
b.	6"-3/4" crushed limestone		60	Sq.Yd.	\$ <u>3.20</u> \$ per sq.yd.	<u>192.00</u>
c.	6" concrete		10	Sq.Yd.	\$ <u>13.80</u> \$ per sq.yd.	<u>138.00</u>
B17.	Special	Burn in existing asphalt	60	Lin.Ft.	\$ <u>1.95</u> \$ per lin.ft.	<u>117.00</u>
B18.	Special	Saw cut asphalt pavement	30	Lin.Ft.	\$ <u>1.95</u> \$ per lin.ft.	<u>58.50</u>
B19.		Supply Asphalt Cement (See Information for Tenderers)	Provisional Sum			<u>\$1,700.00</u>
B20.	City	Adjust existing manhole and valve chambers to finished grade	1	Each	\$ <u>76.00</u> \$ per each	<u>76.00</u>
B21.	Special	Lower existing water services	20	Lin.Ft.	\$ <u>8.55</u> \$ per lin.ft.	<u>171.00</u>
B22.	Special	Replace existing water service with 3/4" copper including plug at main, replacing curb stop and box, granular backfill and excavation; all in accordance with Region of Peel Std. Dwg. S-6 (Watermain materials supplied by Region of Peel)				
a.	Short Service		1	Each	\$ <u>285.00</u> \$ per each	<u>285.00</u>

ITEM SPEC. NO. NO.	DESCRIPTION	EST. QTY.	UNIT	UNIT PRICE	AMOUNT
b.	Long Service	1	Each	\$ <u>451.25</u> per each	\$ <u>451.25</u>
B23.	Special Supply and place 15 M Pa concrete exclusive of form	5	m ³	\$ <u>52.00</u> per m ³	\$ <u>260.00</u>
B24.	Contingency Item (See Information for Tenderers)				\$ <u>4,000.00</u>

TOTAL AMOUNT FOR PART "B" TRELEAVEN DRIVE
(carried to summary)

\$ 37,400.25

SCHEDULE OF QUANTITIES
AND UNIT PRICES

FT11

CONTRACT #78-107
STREET UPGRADING

ITEM NO.	SPEC. NO.	DESCRIPTION	EST. QTY.	UNIT	UNIT PRICE	AMOUNT
<u>PART "C" JOHN STREET</u>						
C1.	City Special	Supply and install concrete storm sewer pipe (with rubber gasket joints) Class "B" bedding and granular backfill to top of trench				
a.		18" dia. C14-SS	400	Lin.Ft.	\$ <u>28.50</u> per lin.ft.	\$ <u>11,400.00</u>
C2.	City Special	Construct manholes including excavation, granular backfill, frames, and covers				
a.		As per Std. #302	20.5	Vt.Ft.	\$ <u>122.00</u> per vt.ft.	\$ <u>2,501.00</u>
C3.	City Special	Break into, connect and reinstate existing storm manhole at Trueman St.		Lump Sum		\$ <u>570.00</u>
C4.	City	Construct catchbasins including excavation, frames, grates and granular backfill				
a.		24" square as per Std. #320 & 325	1	Each	\$ <u>427.50</u> per each	\$ <u>427.50</u>
b.		Double as per Std. #321 & 325	2	Each	\$ <u>710.00</u> per each	\$ <u>1,420.00</u>
c.		Dome type as per Std. #324	2	Each	\$ <u>403.75</u> per each	\$ <u>807.50</u>
C5.	Special	Remove existing catchbasin and plug existing pipe where shown on drawings (frames and grates to City)	1	Each	\$ <u>190.00</u> per each	\$ <u>190.00</u>
C6.	City Special	Catchbasin leads including appropriate fitting, Class "B" bedding and granular backfill				
a.		8" dia. C14-SS	100	Lin.Ft.	\$ <u>24.00</u> per lin.ft.	\$ <u>2,400.00</u>
b.		10" dia. C14-SS	35	Lin.Ft.	\$ <u>25.00</u> per lin.ft.	\$ <u>875.00</u>
C7.	City Special 200	Earth excavation to subgrade including culvert removal, removal of pipe drains and removal and grubbing of trees and shrubs as required	2,400	Cu.Yd.	\$ <u>2.15</u> per cu.yd.	\$ <u>5,160.00</u>
C8.	City Special	subgrade excavation	25	Cu.Yd.	\$ <u>2.90</u> per cu.yd.	\$ <u>72.50</u>
C9.	City 314	Supply, place and compact granular base course				
a.		Granular "B"	1,450	Tons	\$ <u>3.35</u> per ton	\$ <u>4,857.50</u>

ITEM NO.	SPEC. NO.	DESCRIPTION	EST. QTY.	UNIT	UNIT PRICE	AMOUNT
b.		Granular "A"	850	Tons	\$ <u>3.70</u> per ton	\$ <u>3,145.00</u>
c.		Sand Cushion	50	Tons	\$ <u>3.35</u> per ton	\$ <u>167.50</u>
C10.	City	Supply and apply water for compaction of base course (1 m.g. = 1,000 gallons)	20	M.Gal.	\$ <u>8.50</u> per m.gal.	\$ <u>170.00</u>
C11.	City	Supply and apply Calcium Chloride	5	Tons	\$ <u>120.00</u> per ton	\$ <u>600.00</u>
C12.	310 City	Supply, mix and place hot-mix, hot-laid asphalt (exclusive of asphalt cement cost)				
a.		H.L.6	225	Tons	\$ <u>11.00</u> per ton	\$ <u>2,475.00</u>
b.		H.L.3	225	Tons	\$ <u>11.50</u> per ton	\$ <u>2,587.50</u>
C13.	City,9 409 Special	Construct concrete curb and gutter as per Std.#220	1,450	Lin.Ft.	\$ <u>4.30</u> per lin.ft.	\$ <u>6,235.00</u>
C14.	Special	Remove existing concrete curb	14	Lin.Ft.	\$ <u>1.50</u> per lin.ft.	\$ <u>21.00</u>
C15.	Special	Remove existing concrete sidewalk where necessary (5 s.f.=1 lin.ft.)	50	Lin.Ft.	\$ <u>1.50</u> per lin.ft.	\$ <u>75.00</u>
C16.	City Special	Construct concrete sidewalk as per Std.#225 (5 s.f.= 1 lin.ft.)	750	Lin.Ft.	\$ <u>5.50</u> per lin.ft.	\$ <u>4,125.00</u>
C17.	City Special	Supply and place nursery sod including 3" topsoil 571.	2,400	Sq.Yd.	\$ <u>1.35</u> per sq.yd.	\$ <u>3,240.00</u>
C18.	City	Supply and apply water for sod (1 m.gal. = 1,000 gallons)	10	M.Gal.	\$ <u>19.00</u> per m.gal.	\$ <u>190.00</u>
C19.	Special	Reinstate driveways from curb				
a.		6" granular "A" + 2" H.L.3 (including asphalt cement)	320	Sq.Yd.	\$ <u>6.60</u> per sq.yd.	\$ <u>2,112.00</u>
b.		6"-3/4" crushed limestone	220	Sq.Yd.	\$ <u>3.20</u> per sq.yd.	\$ <u>704.00</u>
c.		6" concrete	65	Sq.Yd.	\$ <u>13.80</u> per sq.yd.	\$ <u>897.00</u>
C20.a.	Special	Burn in existing asphalt	120	Lin.Ft.	\$ <u>1.95</u> per lin.ft.	\$ <u>234.00</u>
b.		Saw cut asphalt pavement	20	Lin.Ft.	\$ <u>1.95</u> per lin.ft.	\$ <u>39.00</u>
C21.		Supply Asphalt Cement (See Information for Tenderers)		Provisional Sum		\$ <u>2,700.00</u>
C22.	City	Adjust existing manhole and valve chambers to finished grade	4	Each	\$ <u>76.00</u> per each	\$ <u>304.00</u>

SCHEDULE OF QUANTITIES
AND UNIT PRICES

FT13

CONTRACT #78-107
STREET UPGRADING

ITEM NO.	SPEC. NO.	DESCRIPTION	EST. QTY.	UNIT	UNIT PRICE	AMOUNT
C23.	City Special	Adjust existing gas and water valves to finished grade	10	Each	\$ <u>76.00</u> per each	<u>760.00</u>
C24.	Special	Lower existing water services	20	Lin.Ft.	\$ <u>8.55</u> per lin.ft.	<u>171.00</u>
C25.	Special	Replace existing cast iron watermain at catchbasin lead and sewer crossings with material supplied by Region of Peel		Each	\$ <u>570.00</u> per each	<u>570.00</u>
C26.	Special	Replace existing water service with 3/4" copper including plug at main, replacing curb stop and box, granular backfill and compaction; all in accordance with Region of Peel Std. Dwg. #S-6 (Watermain material supplied by Region of Peel)				
	a.	Short Service	1	Each	\$ <u>285.00</u> per each	<u>285.00</u>
	b.	Long Service	1	Each	\$ <u>451.25</u> per each	<u>451.25</u>
C27.	Special	Supply and place 15 M Pa. concrete exclusive of formwork	5	m ³	\$ <u>52.00</u> per m ³	<u>260.00</u>
C28.	Special	Relay existing sanitary connections which conflict with storm sewer	2	Each	\$ <u>427.50</u> per each	<u>855.00</u>
C29.		Contingency Item (See Information for Tenderers)				<u>\$ 7,000.00</u>
TOTAL AMOUNT FOR PART "C" JOHN STREET (carried to summary)						<u>\$ 71,054.25</u>

SCHEDULE OF QUANTITIES
AND UNIT PRICES

FT-14

CONTRACT #78-107
STREET UPGRADING

ITEM NO.	SPEC. NO.	DESCRIPTION	EST. QTY.	UNIT	UNIT PRICE	AMOUNT
<u>PART "D" MILL STREET</u>						
D1.	City	Construct Catchbasins including excavation, frames, grates and granular backfill				
a.		24" square as per Std.Dwg.320 & 325	3	Each	\$ <u>427.50</u>	\$ <u>1,282.50</u>
b.		Double as per Std.Dwg. #321 and 325	6	Each	\$ <u>710.00</u>	\$ <u>4,260.00</u>
c.		Dome type as per Std.Dwg. #324	3	Each	\$ <u>403.75</u>	\$ <u>1,211.25</u>
D2.	City Special	Catchbasin leads including appropriate fitting, Class B bedding and granular backfill				
a.		8" dia. C14 SS	170	Lin.Ft.	\$ <u>23.80</u>	\$ <u>4,046.00</u>
b.		10" dia. C14-SS	35	Lin.Ft.	\$ <u>24.80</u>	\$ <u>868.00</u>
D3.	Special	Remove existing catchbasins and plug existing pipe where shown on the drawings(frames and grates to City Yard)	5	Each	\$ <u>190.00</u>	\$ <u>950.00</u>
D4.	City	Special subgrade excavation	25	Cu.Yd.	\$ <u>2.90</u>	\$ <u>72.50</u>
D5.	City	Supply and apply water for compaction (1 mg = 1,000 gallons)	20	M.Gal.	\$ <u>8.50</u>	\$ <u>170.00</u>
D6.	City	Supply and apply calcium chloride	5	Tons	\$ <u>120.00</u>	\$ <u>600.00</u>
D7.	City Special	Construct concrete sidewalk where indicated on drawings (5 sq.ft. = 1 lin.ft.)	10	Lin.Ft.	\$ <u>5.75</u>	\$ <u>57.50</u>
D8.	City Special	Supply and place nursery sod including 3" topsoil	2,100	Sq.Yd.	\$ <u>1.35</u>	\$ <u>2,835.00</u>
D9.	City	Supply and apply water for sod (1 m.gal. = 1,000 gallons)	10	M.Gal.	\$ <u>19.00</u>	\$ <u>190.00</u>
D10.	Special	Reinstate driveways from curb				
a.		6" Gran. A + 2" HL 3 (including Asphalt Cement)	320	Sq.Yd.	\$ <u>6.60</u>	\$ <u>2,112.00</u>
b.		6"-3/4" crushed limestone	100	Sq.Yd.	\$ <u>3.20</u>	\$ <u>320.00</u>
D11.	Special	Saw Cut Asphalt Pavement	90	Lin.Ft.	\$ <u>1.95</u>	\$ <u>175.50</u>

SCHEDULE OF QUANTITIES
AND UNIT PRICES

FT-15

CONTRACT NO. 78-107
STREET UPGRADING

ITEM NO.	SPEC. NO.	DESCRIPTION	EST. QTY.	UNIT	UNIT PRICE	AMOUNT
D12.	City	Adjust existing manholes and valve chambers to finished grade	6	Each	\$ <u>76.00</u> per each	\$ <u>456.00</u>
D13.	City	Adjust existing gas and water valves to finished grade	2	Each	\$ <u>76.00</u> per each	\$ <u>152.00</u>
D14.	Special	Replace existing cast iron watermain at catchbasin lead crossings with material supplied by Region of Peel	3	Each	\$ <u>570.00</u> per each	\$ <u>1,710.00</u>
D15.	Special	Supply and place 15 M Pa Concrete exclusive of formwork	5	M ³	\$ <u>52.00</u> per M ³	\$ <u>260.00</u>
TOTAL THIS SECTION						\$ <u>21,728.2</u>

ALTERNATIVE "A" ASPHALT PAVEMENT

D-A1.	City Special 200	Earth Excavation to subgrade including culvert removal, removal of pipe drains and removal and grubbing of trees and shrubs as required	2,700	Cu.Yd.	\$ <u>2.15</u> per cu.yd.	\$ <u>5805.00</u>
D-A2.	City 314	Supply, place and compact Granular Base Course				
a.		Granular "B"	1,620	Tons	\$ <u>3.35</u> per ton	\$ <u>5,427.00</u>
b.		Granular "A"	980	Tons	\$ <u>3.70</u> per ton	\$ <u>3,626.00</u>
c.		Sand Cushion	50	Tons	\$ <u>3.35</u> per ton	\$ <u>167.50</u>
D-A3.	310 City	Supply, mix and place hot-mix hot-laid asphalt (exclusive of asphalt cement)				
a.		H.L.6	270	Tons	\$ <u>11.00</u> per ton	\$ <u>2,970.00</u>
b.		H.L.3	270	Tons	\$ <u>11.50</u> per ton	\$ <u>3,105.00</u>
D-A4.	City, Special 409,9	Construction concrete curb and gutter as per Standard Drawings No.220	1,650	Lin.Ft.	\$ <u>4.30</u> per lin.ft.	\$ <u>7,095.00</u>
D-A5.	Special	Burn in existing asphalt	80	Lin.Ft.	\$ <u>1.95</u> per lin.ft.	\$ <u>156.00</u>
D-A6.		Supply Asphalt Cement (See Information for Tenderers)		PROVISIONAL SUM		\$ <u>3,300.00</u>
SUB-TOTAL ALTERNATIVE "A" (carried to summary)						\$ <u>31,651.50</u>

SCHEDULE OF QUANTITIES
AND UNIT PRICES

FT-16

CONTRACT NO. 78-107
STREET UPGRADING

ITEM NO.	SPEC. NO.	DESCRIPTION	EST. QTY.	UNIT	UNIT PRICE	AMOUNT
<u>ALTERNATIVE "B" CONCRETE PAVEMENT</u>						
D-B1.	City 200	Earth Excavation to subgrade including Special culvert removal, removal of pipe drains and removal and grubbing of trees as required	1,880	Cu.Yd.	\$ 2.50 per cu.yd.	\$ 4,700.00
D-B2.	City 314	Supply, place and compact 3" levelling course of Granular "A"	500	Tons	\$ 8.90 per ton	\$ 4,450.00
D-B3	City 409,9	Supply and place 6½" of non-reinforced 25 M Pa concrete pavement including barrier curb and contraction joints	2,820	Sq.Yd.	\$ 11.80 per sq.yd.	\$ 33,276.00
SUB-TOTAL ALTERNATIVE "B" (carried to summary)						<u>\$ 42,426.00</u>

SUMMARY OF PART "D" - MILL STREET

Total for Items D1 to D15	\$ 21,728.25	
Total of Alternative "A" - Asphalt Pavement	\$ 31,651.50	} Enter lesser of A or B
Total of Alternative "B" - Concrete Pavement	\$ —	
Miscellaneous and Contingencies (see Information for Tenderers)	\$ 6,500.00	
Total Amount for Part "D" Mill Street (carried to summary)	<u>\$ 59,879.75</u>	

SUMMARY OF CONTRACT NO. 78-107 STREET UPGRADING

Total for Part "A" Mercer Drive	\$ 81,369.90
Total for Part "B" Treleven Drive	\$ 37,400.25
Total for Part "C" John Street	\$ 71,054.25
Total for Part "D" Mill Street	\$ 59,879.25
TOTAL FOR CONTRACT NO. 78-107	<u>\$ 249,704.15</u> A.K.I.
	249703.65

PASSED April 24 19 78



BY-LAW

No. 84-78

A By-law to authorize the execution
of Contract #78-107 with Graham Bros.
Construction Limited.
(STREET UPGRADING OF JOHN STREET, MILL
STREET, TRELEAVEN DRIVE AND MERCER DRIVE)