#### FORM A: BID (See B8)

1.	Project Title	2005 WATERMAIN RENEWA	ALS – CONTRACT NO. 3	
2.	Bidder			
		Name of Bidder		
		Street		
		City	Province	Postal Code
		Facsimile Number		
	(Mailing address if different)	Street or P.O. Box		
		City	Province	Postal Code
		The Bidder is:		
	(Choose one)	a sole proprietor		
		a partnership		
		a corporation		
		carrying on business under th	ne above name.	
3.	Contact Person	The Bidder hereby authorize the Bidder for purposes of the		on to represent
		Contact Person	Title	
		Telephone Number	Facsimile Number	
4.	Offer	The Bidder hereby offers to Contract for the Total Bid Pr Prices, appended hereto.		

Template Ver	rsion: C020050301	
5.	Bid Security	In accordance with B11.1, the Bidder encloses bid security in the form of:
	(Choose one)	a bid bond (Form G1: Bid Bond and Agreement to Bond)
		an irrevocable standby letter of credit (Form G2: Irrevocable Standby Letter of Credit and Undertaking)
		a certified cheque or draft
		and agrees that it shall be held by the City in accordance with the Contract.
6.	Execution of Contract	The Bidder agrees to execute and return the Contract no later than seven (7) Calendar Days after receipt of the Contract, in the manner specified in GC:4.
7.	Commencement of the Work	The Bidder agrees that no Work shall commence until he is in receipt of a letter of intent from the Award Authority authorizing the commencement of the Work.
8.	Contract	The Bidder agrees that the Bid Opportunity in its entirety shall be deemed to be incorporated in and to form a part of this offer notwithstanding that not all parts thereof are necessarily attached to or accompany this Bid Submission.
9.	Addenda	The Bidder certifies that the following addenda have been received and agrees that they shall be deemed to form a part of the Contract:
		No Dated
10.	Time	This offer shall be open for acceptance, binding and irrevocable for a period of thirty (30) Calendar Days following the Submission Deadline.

11.	Signatures	In witness whereof the Bidder or the Bidder's authorized official or officials have signed this
		day of , 20
	(If no corporate seal) Signed and sealed in the presence of:	Signature of Bidder or Bidder's Authorized Official or Officials
	(Witness)	(Print here name and official capacity of individual whose signature appears above)
	(Witness)	(Print here name and official capacity of individual whose signature appears above)

SEAL

### (See B9)

### 2005 WATERMAIN RENEWALS - CONTRACT NO. 3

ITEM NO.	DESCRIPTION	SPEC. REF.	UNIT	APPROX. QUANTITY	UNIT PRICE	AMOUNT
<u>A</u>	Balmoral - Mostlyn Place to 140 m	etres north	of Mostly	n Place		
A.1	Watermain Renewal	CW 2110				
a) i) ii)	200mm trenchless installation, Class B sand bedding, Class 3 backfill trenchless installation, Class B		m	10.0		
,	sand bedding, Class 5 backfill		m	120.0		
A.2	Hydrant Assembly	CW 2110				
a)	SD-006		each	1		
A.3	Watermain Valve	CW 2110				
a)	200mm		each	1		
A.4	Fittings	CW 2110				
a)	Bends (SD-004)					
i)	200mm - 45°		each	2		
A.5	Water Services	CW 2110				
a) i)	19mm trenchless installation, Class B sand bedding, Class 3 backfill		m	105.0		
A.6	Corporation Stops	CW 2110				
a)	19mm		each	9		
A.7	Curb Stops - Replace Existing	CW 2110				
a)	19mm		each	5		
A.8	Curb Stop Boxes - Replace Existing	CW 2110				
a)	19mm		each	5		
A.9	Connecting to Existing Watermains and Large Diameter Water Services	CW 2110				
a)	In-line connection - no plug existing					
i)	200mm		each	2		

(See B9)

### 2005 WATERMAIN RENEWALS - CONTRACT NO. 3

ITEM NO.	DESCRIPTION	SPEC. REF.	UNIT	APPROX. QUANTITY	UNIT PRICE	AMOUNT
A.10	Connecting Existing Copper Water Services to New Watermains	CW 2110				
a)	19mm		each	4		
A.11	10.9 Kilogram Sacrificial Zinc Anodes	CW 2110				
a)	On Water Services		each	10		
A.12	Continuity Bonding	CW 2110	each	3		
A.13	Full Depth Partial Slab Patches	CW 2110				
a) i)	Removal 150mm reinforced concrete pavement		m²	10.0		
b) i)	Installation 150mm reinforced concrete pavement		m²	10.0		
A.14	Miscellaneous Concrete Slab Renewal	CW 3235				
a)	Sidewalk		m²	27.0		
A.15	Concrete Curb Renewal	CW 3240				
a)	Barrier curb		m	4.0		
A.16	Construction of Asphaltic Concrete Overlays Type 1A	CW 3410	tonne	3.0		
	1			Part A Subto	otal	
<u>B</u>	Banning Street - Wellington Avenu	e to 110 me	tres sout	th of Welling	ton	
B.1	Watermain Renewal	CW 2110				
a) i)	150mm trenchless installation, Class B sand bedding, Class 3 backfill		m	7.0		
a) i)	200mm trenchless installation, Class B sand bedding, Class 3 backfill		m	111.0		

# (See B9)

### 2005 WATERMAIN RENEWALS - CONTRACT NO. 3

ITEM NO.	DESCRIPTION	SPEC. REF.	UNIT	APPROX. QUANTITY	UNIT PRICE	AMOUNT
B.2	Watermain Valve	CW 2110				
a)	150mm		each	1		
b)	200mm		each	1		
B.3	Fittings	CW 2110				
a)	Tees					
i)	150mm X 150mm X 150mm		each	1		
b)	Bends (SD-004)					
i)	150mm - 45°		each	2		
c)	Reducers					
i)	200mm - 150mm		each	1		
B.4	Water Services	CW 2110				
a) i)	19mm trenchless installation, Class B sand bedding, Class 3 backfill		m	135.0		
B.5	Corporation Stops	CW 2110				
a)	19mm		each	11		
B.6	Curb Stops - Replace Existing	CW 2110				
a)	19mm		each	9		
B.7	Curb Stop Boxes - Replace Existing	CW 2110				
a)	19mm		each	9		
B.8	Connecting to Existing Watermains and Large Diameter Water Services	CW 2110				
a)	In-line connection - no plug existing					
i)	150mm		each	2		
ii)	200mm		each	1		
B.9	Connecting Existing Copper Water Services to New Watermains	CW 2110				
a)	19mm		each	2		

(See B9)

### 2005 WATERMAIN RENEWALS - CONTRACT NO. 3

ITEM NO.	DESCRIPTION	SPEC. REF.	UNIT	APPROX. QUANTITY	UNIT PRICE	AMOUNT
B.10	10.9 Kilogram Sacrificial Zinc Anodes	CW 2110				
a)	On Metallic Watermains		each	1.0		
b)	On Water Services		each	18.0		
B.11	Continuity Bonding	CW 2110	each	2		
B.12	Full Depth Partial Slab Patches	CW 2110				
a) i)	Removal 150mm reinforced concrete pavement		m²	10.0		
b) i)	Installation 150mm reinforced concrete pavement Miscellaneous Concrete Slab		m²	10.0		
B.13	Renewal	CW 3235				
a)	Sidewalk		m²	70.0		
B.14	Concrete Curb Renewal	CW 3240				
a)	Barrier curb		m	10.0		
b)	Ramp curb		m	10.0		
B.15	Construction of Asphaltic Concrete Overlays Type 1A	CW 3410	tonne	3.0		
				Part B Subto	otal	
<u>c</u>	Ellen Street - William Avenue to El	gin Avenue	I	l	l	
C.1	Watermain Renewal	CW 2110				
a) i)	200mm trenchless installation, Class B sand bedding, Class 3 backfill		m	1.0		
b) i)	250mm trenchless installation, Class B sand bedding, Class 3 backfill		m	102.0		
C.2	Watermain Valve	CW 2110				
a)	250mm		each	2		

## (See B9)

### 2005 WATERMAIN RENEWALS - CONTRACT NO. 3

ITEM NO.	DESCRIPTION	SPEC. REF.	UNIT	APPROX. QUANTITY	UNIT PRICE	AMOUNT
C.3	Fittings	CW 2110			-	
a)	Tees	0112110				
i)	200mm X 200mm X 200mm		each	1		
b)	Reducers		Cuon	•		
i)	250mm - 200mm		each	1		
		000000000	Cuon	•		
C.4	Water Services	CW 2110				
a) i)	19mm trenchless installation, Class B sand bedding, Class 3 backfill		m	4.0		
C.5	Corporation Stops	CW 2110				
a)	19mm		each	4		
C.6	Curb Stops - Replace Existing	CW 2110				
a)	19mm		each	1		
C.7	Curb Stop Boxes - Replace Existing	CW 2110				
a)	19mm		each	1		
C.8	Connecting to Existing Watermains and Large Diameter Water Services	CW 2110				
a)	In-line connection - no plug existing					
i)	250mm		each	1		
b)	Perpendicular connection					
i)	200mm		each	1		
C.9	Connecting Existing Copper Water Services to New Watermains	CW 2110				
a)	19mm		each	3		
C.10	10.9 Kilogram Sacrificial Zinc Anodes	CW 2110				
a)	On Water Services		each	3.0		
C.11	Continuity Bonding	CW 2110	each	2		

(See B9)

### 2005 WATERMAIN RENEWALS - CONTRACT NO. 3

	PRICES	0050				
ITEM NO.	DESCRIPTION	SPEC. REF.	UNIT	APPROX. QUANTITY	UNIT PRICE	AMOUNT
C.12	Full Depth Partial Slab Patches	CW 2110				
a)	Removal					
i)	150mm reinforced concrete pavement		m²	10.0		
ii)	200mm reinforced concrete					
	pavement		m²	20.0		
b) i)	Installation 150mm reinforced concrete					
,	pavement		m²	10.0		
ii)	200mm reinforced concrete pavement for early opening (24					
	hours)		m²	20.0		
C.13	Miscellaneous Concrete Slab					
	Renewal	CW 3235				
a)	Sidewalk		m²	20.0		
C.14	Concrete Curb Renewal	CW 3240				
a)	Barrier curb		m	10.0		
b)	Ramp curb		m	10.0		
C.15	Construction of Asphaltic Concrete Overlays Type 1A	CW 3410	tonne	6.0		
				Part C Subto	otal	
<u>D</u>	Evanson Street - Preston Avenue t	o 125 metre	s south	of Preston A	venue	
D.1	Watermain Renewal	CW 2110				
a)	200mm					
i)	trenchless installation, Class B sand bedding, Class 3 backfill		m	63.0		
				00.0		
D.2	Hydrant Assembly	CW 2110				
a)	SD-006		each	1		
D.3	Watermain Valve	CW 2110				
a)	200mm		each	1		

(See B9)

### 2005 WATERMAIN RENEWALS - CONTRACT NO. 3

ITEM NO.	DESCRIPTION	SPEC. REF.	UNIT	APPROX. QUANTITY	UNIT PRICE	AMOUNT
D.4	Fittings	CW 2110				
a)	Plugs					
i)	200mm		each	1		
D.5	Water Services	CW 2110				
a) i)	19mm trenchless installation, Class B sand bedding, Class 3 backfill 50mm		m	26.0		
b) i)	trenchless installation, Class B sand bedding, Class 3 backfill		m	14.0		
D.6	Corporation Stops	CW 2110				
a)	19mm		each	4		
b)	50mm		each	1		
D.7	Curb Stops - Replace Existing	CW 2110				
a)	19mm		each	2		
b)	50mm		each	1		
D.8	Curb Stop Boxes - Replace Existing	CW 2110				
a)	19mm		each	2		
b)	50mm		each	1		
D.9	Connecting to Existing Watermains and Large Diameter Water Services	CW 2110				
a)	In-line connection - no plug existing					
i)	200mm		each	1		
D.10	Connecting Existing Copper Water Services to New Watermains	CW 2110				
a)	19mm		each	2		
D.11	10.9 Kilogram Sacrificial Zinc Anodes	CW 2110				
a)	On Water Services		each	8		

(See B9)

### 2005 WATERMAIN RENEWALS - CONTRACT NO. 3

ITEM NO.	DESCRIPTION	SPEC. REF.	UNIT	APPROX. QUANTITY	UNIT PRICE	AMOUNT
D.12	Full Depth Partial Slab Patches	CW 2110				
a) i)	Removal 150mm reinforced concrete pavement		m²	10.0		
b) i)	Installation 150mm reinforced concrete pavement		m²	10.0		
D.13	Miscellaneous Concrete Slab Renewal	CW 3235				
a)	Sidewalk		m²	15.0		
D.14	Concrete Curb Renewal	CW 3240				
a)	Barrier curb		m	5.0		
D.15	Construction of Asphaltic Concrete Overlays Type 1A	CW 3410	tonne	3.0		
				Part D Subto	otal	
E	Fountain Street - Alexander Avenu	e to Henry /	Avenue	I	I	
E.1	Watermain Renewal	CW 2110				
a) i)	150mm trenchless installation, Class B sand bedding, Class 3 backfill		m	7.0		
b) i)	200mm trenchless installation, Class B sand bedding, Class 3 backfill		m	180.0		
ii)	trenchless installation, Class B sand bedding, Class 5 backfill		m	60.0		
c) i)	350mm trenchless installation, Class B sand bedding, Class 3 backfill		m	2.0		
E.2	Hydrant Assembly	CW 2110				
a)	SD-006		each	2		
E.3	Watermain Valve	CW 2110				
a)	200mm		each	3		

(See B9)

### 2005 WATERMAIN RENEWALS - CONTRACT NO. 3

ITEM NO.	DESCRIPTION	SPEC. REF.	UNIT	APPROX. QUANTITY	UNIT PRICE	AMOUNT
E.4	Fittings	CW 2110				
a)	Tees					
i)	150mm X 150mm X 150mm		each	1		
b)	Bends (SD-004)					
i)	200mm – 22.5°		each	2		
c) i)	Crosses 350mm X 350mm X 250mm X 250mm		each	1		
d)	Reducers					
i)	200mm - 150mm		each	2		
E.5	Water Services	CW 2110				
a) i)	19mm trenchless installation, Class B sand bedding, Class 3 backfill		m	60.0		
E.6	Corporation Stops	CW 2110				
a)	19mm		each	7		
b)	25mm		each	1		
E.7	Curb Stops - Replace Existing	CW 2110				
a)	19mm		each	4		
E.8	Curb Stop Boxes - Replace Existing	CW 2110				
a)	19mm		each	4		
E.9	Connecting to Existing Watermains and Large Diameter Water Services	CW 2110				
a)	In-line connection - no plug existing					
i)	150mm		each	1		
b)	Perpendicular connection					
i)	150mm		each	1		
ii)	350mm		each	1		

(See B9)

### 2005 WATERMAIN RENEWALS - CONTRACT NO. 3

ITEM NO.	DESCRIPTION	SPEC. REF.	UNIT	APPROX. QUANTITY	UNIT PRICE	AMOUNT	
E.10	Connecting Existing Copper Water Services to New Watermains	CW 2110					
a)	19mm		each	3			
b)	25mm		each	1			
E.11	10.9 Kilogram Sacrificial Zinc Anodes	CW 2110					
a)	On Water Services		each	12.0			
E.12	Continuity Bonding	CW 2110	each	2			
E.13	Full Depth Partial Slab Patches	CW 2110					
a) i) ii)	Removal 150mm reinforced concrete pavement 200mm reinforced concrete pavement		m² m²	65.0 40.0			
b) i) ii)	Installation 150mm reinforced concrete pavement 200mm reinforced concrete pavement for early opening (24 hours)		m² m²	65.0 40.0			
E.14	Miscellaneous Concrete Slab Renewal	CW 3235					
a)	Sidewalk		m²	50.0			
E.15	Concrete Curb Renewal	CW 3240					
a)	Barrier curb		m	20.0			
b)	Ramp curb		m	10.0			
E.16	Construction of Asphaltic Concrete Overlays Type 1A	CW 3410	tonne	30.0			
	Part E Subtotal						

(See B9)

### 2005 WATERMAIN RENEWALS - CONTRACT NO. 3

ITEM NO.	DESCRIPTION	SPEC. REF.	UNIT	APPROX. QUANTITY	UNIT PRICE	AMOUNT
<u>F</u>	Hargrave Street - Intersection of Ye	•	1	1	1	
F.1	Watermain Renewal	CW 2110				
a) i)	150mm trenchless installation, Class B sand bedding, Class 3 backfill		m	28.0		
b) i)	200mm trenchless installation, Class B sand bedding, Class 3 backfill		m	14.0		
F.2	Hydrant Assembly	CW 2110				
a)	SD-006		each	1		
F.3	Watermain Valve	CW 2110				
a)	150mm		each	1		
b)	200mm		each	2		
F.4	Fittings	CW 2110				
a) i)	Crosses 200mm X 200mm X 150mm X 150mm		each	1		
b)	Bends (SD-004)					
i)	150mm - 45°		each	2		
ii)	200mm - 45°		each	2		
c)	Reducers					
i)	200mm - 150mm		each	1		
F.5	Connecting to Existing Watermains and Large Diameter Water Services	CW 2110				
a)	In-line connection - no plug existing					
i)	150mm		each	1		
ii)	200mm		each	1		
b)	Perpendicular connection					
i)	200mm		each	1		
			each	1		

(See B9)

### 2005 WATERMAIN RENEWALS - CONTRACT NO. 3

	PRICES	0050					
ITEM NO.	DESCRIPTION	SPEC. REF.	UNIT	APPROX. QUANTITY	UNIT PRICE	AMOUNT	
F.6	Full Depth Partial Slab Patches	CW 2110					
a) i)	Removal 200mm reinforced concrete pavement		m²	50.0			
b) i)	Installation 200mm reinforced concrete pavement for early opening (24 hours)		m²	50.0			
F.7	Construction of Asphaltic Concrete Overlays Type 1A	CW 3410	tonne	15.0			
				Part F Subto	otal		
G Lane South of Preston Avenue - Evanson Street to Arlington Street							
G.1	Watermain Renewal	CW 2110					
a) i)	200mm trenchless installation, Class B sand bedding, Class 3 backfill		m	74.0			
G.2	Watermain Valve	CW 2110					
a)	200mm		each	1			
G.3	Connecting to Existing Watermains and Large Diameter Water Services	CW 2110					
a)	Perpendicular connection						
i)	200mm		each	2			
G.4	Full Depth Partial Slab Patches	CW 2110					
a) i)	Removal 150mm reinforced concrete pavement		m²	30.0			
b) i)	Installation 150mm reinforced concrete pavement		m²	30.0			
G.5	Concrete Curb Renewal	CW 3240					
a)	Barrier curb		m	5.0			

## (See B9)

### 2005 WATERMAIN RENEWALS - CONTRACT NO. 3

ITEM NO.	DESCRIPTION	SPEC. REF.	UNIT	APPROX. QUANTITY	UNIT PRICE	AMOUNT
G.6	Construction of Asphaltic Concrete Overlays Type 1A	CW 3410	tonne	7.0		
				Part G Subt	otal	
н	Langside - Cornish to 20 metres no	orth of West	minster	1	I	
H.1	Watermain Renewal	CW 2110				
a) i)	150mm trenchless installation, Class B sand bedding, Class 3 backfill		m	10.0		
b) i)	200mm trenchless installation, Class B sand bedding, Class 3 backfill		m	305.0		
H.2	Hydrant Assembly	CW 2110				
a)	SD-006		each	3		
H.3	Watermain Valve	CW 2110				
a)	150mm		each	3		
b)	200mm		each	4		
H.4	Fittings	CW 2110				
a)	Tees					
i)	200mm X 200mm X 150mm		each	3		
b)	Bends (SD-004)					
i)	200mm - 45°		each	2		
c)	Crosses 200mm x 200mm X 200mm X					
i)	200mm		each	1		
d)	Reducers					
i)	200mm - 150mm		each	1		
H.5	Water Services	CW 2110				
a) i)	19mm trenchless installation, Class B sand bedding, Class 3 backfill		m	10.0		

(See B9)

### 2005 WATERMAIN RENEWALS - CONTRACT NO. 3

ITEM NO.	DESCRIPTION	SPEC. REF.	UNIT	APPROX. QUANTITY	UNIT PRICE	AMOUNT
b) i)	25mm trenchless installation, Class B sand bedding, Class 3 backfill		m	30.0		
c) i)	38mm trenchless installation, Class B sand bedding, Class 3 backfill		m	10.0		
H.6	Corporation Stops	CW 2110				
a)	19mm		each	12		
b)	25mm		each	4		
c)	38mm		each	2		
d)	50mm		each	1		
H.7	Curb Stops - Replace Existing	CW 2110				
a)	19mm		each	1		
b)	25mm		each	3		
c)	38mm		each	1		
H.8	Curb Stop Boxes - Replace Existing	CW 2110				
a)	19mm		each	1		
b)	25mm		each	3		
c)	38mm		each	1		
H.9	Connecting to Existing Watermains and Large Diameter Water Services	CW 2110				
a)	In-line connection - no plug existing					
i)	150mm		each	4		
i)	200mm		each	1		
H.10	Connecting Existing Copper Water Services to New Watermains	CW 2110				
a)	19mm		each	11		
b)	25mm		each	1		
c)	38mm		each	1		

## (See B9)

### 2005 WATERMAIN RENEWALS - CONTRACT NO. 3

50mm 10.9 Kilogram Sacrificial Zinc Anodes On Metallic Watermains	CW 2110	each	QUANTITY 1	PRICE	
Anodes	CW 2110				1
On Metallic Watermains					
		each	2.0		
On Water Services		each	13.0		
Continuity Bonding	CW 2110	each	11		
Full Depth Partial Slab Patches	CW 2110				
Removal 150mm reinforced concrete pavement		m²	160.0		
Installation 150mm reinforced concrete pavement		m²	160.0		
Miscellaneous Concrete Slab Renewal	CW 3235				
Sidewalk		m²	100.0		
Concrete Curb Renewal	CW 3240				
Barrier curb		m	20.0		
Ramp curb		m	10.0		
Planing of Pavement	CW 3450				
0 –50mm depth (asphalt)		m²	250.0		
Construction of Asphaltic Concrete Overlays Type 1A	CW 3410	tonne	65.0		
			Part H Subto	otal	
Preston Avenue - Evanson Street to	o Arlington	Street	I	l	
Watermain Renewal	CW 2110				
150mm trenchless installation, Class B sand bedding, Class 3 backfill		m	2.0		
	Full Depth Partial Slab Patches Removal 150mm reinforced concrete pavement Installation 150mm reinforced concrete pavement Miscellaneous Concrete Slab Renewal Sidewalk Concrete Curb Renewal Barrier curb Ramp curb Planing of Pavement 0 –50mm depth (asphalt) Construction of Asphaltic Concrete Overlays Type 1A Preston Avenue - Evanson Street t Watermain Renewal 150mm trenchless installation, Class B	Full Depth Partial Slab PatchesCW 2110Removal 150mm reinforced concrete pavementInstallationInstallation 150mm reinforced concrete pavementCW 3235Miscellaneous Concrete Slab RenewalCW 3235SidewalkCW 3240Barrier curb Ramp curbCW 3240Planing of PavementCW 34500 –50mm depth (asphalt)CW 3450Construction of Asphaltic Concrete Overlays Type 1ACW 3410Preston Avenue - Evanson Street to ArlingtonWatermain Renewal 150mm trenchless installation, Class BCW 2110	Full Depth Partial Slab PatchesCW 2110Removal 150mm reinforced concrete pavementm²Installation 150mm reinforced concrete pavementm²Miscellaneous Concrete Slab RenewalCW 3235Sidewalkm²Concrete Curb RenewalCW 3240Barrier curbmRamp curbmPlaning of PavementCW 34500 -50mm depth (asphaltic Concrete Overlays Type 1Am²Cw 3410tonnePreston Avenue - Evanson Street to Arlington StreetWatermain RenewalCW 2110150mm trenchless installation, Class BCW 2110	Full Depth Partial Slab PatchesCW 2110Removal 150mm reinforced concrete pavementm²160.0Installation 150mm reinforced concrete pavementm²160.0Miscellaneous Concrete Slab RenewalCW 3235m²100.0SidewalkCW 3240m²100.0Concrete Curb RenewalCW 3240m20.0Barrier curbCW 3450m10.0Planing of PavementCW 3450m²250.0O -50mm depth (asphaltic Concrete Overlays Type 1ACW 3410tonne65.0Part H SubtorPart H SubtorV 2110150mm trenchless installation, Class BCW 2110	Full Depth Partial Slab PatchesCW 2110Image: Construction of Asphaltic Concrete Overlays Type 1ARemoval 150mm reinforced concrete pavementm²160.0Installation 150mm reinforced concrete pavementm²160.0Installation 150mm reinforced concrete pavementm²160.0Miscellaneous Concrete Slab RenewalCW 3235m²Sidewalkm²100.0Concrete Curb RenewalCW 3240mBarrier curbm20.0Ramp curbm10.0Planing of PavementCW 3450m0 -50mm depth (asphalt)m²250.0Construction of Asphaltic Concrete Overlays Type 1ACW 3410tonneEreston Avenue - Evanson Street to Arlington StreetWatermain RenewalCW 2110Image: CW 2110150mm trenchless installation, Class BImage: CW 2110Image: CW 2110

(See B9)

### 2005 WATERMAIN RENEWALS - CONTRACT NO. 3

ITEM NO.	DESCRIPTION	SPEC. REF.	UNIT	APPROX. QUANTITY	UNIT PRICE	AMOUNT
b)	200mm					
i)	trenchless installation, Class B sand bedding, Class 3 backfill		m	15.0		
ii)	trenchless installation, Class B sand bedding, Class 5 backfill		m	60.0		
1.2	Watermain Valve	CW 2110		00.0		
1.2	200mm	CW 2110	each	2		
a)			each	2		
1.3	Fittings	CW 2110				
a)	Tees					
i)	200mm X 200mm X 200mm		each	1		
b)	Bends (SD-004)					
i)	150mm - 90°		each	1		
c)	Reducers					
i)	200mm - 150mm		each	1		
1.4	Water Services	CW 2110				
a) i)	19mm trenchless installation, Class B sand bedding, Class 3 backfill		m	12.0		
I.5	Corporation Stops	CW 2110				
a)	19mm		each	4		
I.6	Curb Stops - Replace Existing	CW 2110				
a)	19mm		each	4		
1.7	Curb Stop Boxes - Replace Existing	CW 2110				
a)	19mm		each	4		
1.8	Connecting to Existing Watermains and Large Diameter Water Services	CW 2110				
a)	In-line connection - no plug existing					
i)	150mm		each	1		

# (See B9)

### 2005 WATERMAIN RENEWALS - CONTRACT NO. 3

ITEM	DESCRIPTION	SPEC.	UNIT	APPROX.	UNIT	AMOUNT
NO.		REF.	••••	QUANTITY	PRICE	
b)	Perpendicular connection					
i)	200mm		each	1		
1.9	10.9 Kilogram Sacrificial Zinc Anodes	CW 2110				
a)	On Water Services		each	8.0		
I.10	Full Depth Partial Slab Patches	CW 2110				
a) i)	Removal 150mm reinforced concrete pavement		m²	20.0		
b) i)	Installation 150mm reinforced concrete pavement		m²	20.0		
I.11	Miscellaneous Concrete Slab Renewal	CW 3235				
a)	Sidewalk		m²	35.0		
I.12	Concrete Curb Renewal	CW 3240				
a)	Barrier curb		m	15.0		
b)	Ramp curb		m	10.0		
I.13	Construction of Asphaltic Concrete Overlays Type 1A	CW 3410	tonne	5.0		
I.14	Abandonment of 300 CI Watermain on Arlington Street	E9	each	1		
		·	·	Part I Subtor	tal	
J	Rorie Street - Lombard Avenue to	Bannatyne A	Avenue			
J.1	Watermain Renewal	CW 2110				
a) i)	150mm trenchless installation, Class B sand bedding, Class 3 backfill		m	2.0		
b) i)	200mm trenchless installation, Class B sand bedding, Class 3 backfill		m	32.0		

(See B9)

### 2005 WATERMAIN RENEWALS - CONTRACT NO. 3

ITEM NO.	DESCRIPTION	SPEC. REF.	UNIT	APPROX. QUANTITY	UNIT PRICE	AMOUNT
c) i)	300mm trenchless installation, Class B sand bedding, Class 3 backfill		m	214.0	TROL	
J.2	Hydrant Assembly	CW 2110				
a)	SD-006		each	2		
J.3	Watermain Valve	CW 2110				
a)	300mm		each	6		
J.4	Fittings	CW 2110				
a)	Tees					
i)	200mm X 200mm X 150mm		each	1		
ii)	200mm X 200mm X 200mm		each	3		
iii)	250mm x 250mm x 250 mm		each	1		
iv)	300mm x 300mm x 150 mm		each	2		
v)	300mm x 300mm x 300 mm		each	4		
b)	Bends (SD-004)					
i)	200mm - 90°		each	6		
ii)	250mm - 90°		each	2		
iii)	300mm - 90°		each	1		
c)	Reducers					
i)	150mm - 100mm		each	2		
ii)	200mm - 150mm		each	3		
iii)	250mm - 200mm		each	4		
iv)	300mm - 200mm		each	4		
v)	300mm - 250mm		each	1		
J.5	Corporation Stops	CW 2110				
a)	50mm		each	2		

(See B9)

### 2005 WATERMAIN RENEWALS - CONTRACT NO. 3

ITEM NO.	DESCRIPTION	SPEC. REF.	UNIT	APPROX. QUANTITY	UNIT PRICE	AMOUNT
J.6	Connecting to Existing Watermains and Large Diameter Water Services	CW 2110				
a)	In-line connection - no plug existing					
i)	100mm		each	2		
ii)	150mm		each	3		
iii)	200mm		each	1		
iv)	250mm		each	5		
b	Perpendicular Connection					
i)	200mm		each	1		
J.7	Connecting Existing Copper Water Services to New Watermains	CW 2110				
a)	50mm		each	2		
J.8	10.9 Kilogram Sacrificial Zinc Anodes	CW 2110				
a)	On Metallic Watermains		each	10.0		
b)	On Water Services		each	2.0		
J.9	Full Depth Partial Slab Patches	CW 2110				
a) i)	Removal 200mm reinforced concrete pavement		m²	200.0		
b) i)	Installation 200mm reinforced concrete pavement for early opening (24 hours)		m²	200.0		
J.10	Concrete Curb Renewal	CW 3240				
a)	Barrier curb		m	20.0		
b)	Ramp curb		m	10.0		
J.11	Regrading Existing Interlocking Paving Stone Installations	CW 3330	m²	70.0		

(See B9)

### 2005 WATERMAIN RENEWALS - CONTRACT NO. 3

ITEM NO.	DESCRIPTION	SPEC. REF.	UNIT	APPROX. QUANTITY	UNIT PRICE	AMOUNT			
J.12	Remove and Replace Catchbasins	CW 2130							
a)	SD-024		each	1					
J.13	Planing of Pavement	CW 3450							
a)	0 –50mm depth (asphalt)		m²	500.0					
J.14	Construction of Asphaltic Concrete Overlays Type 1A	CW 3410	tonne	97.0					
	Part J Subtotal								
<u>K</u>	Westminster Avenue - Furby Stree	t to 41 metro	es east o	f Langside S	treet				
K.1	Watermain Renewal	CW 2110							
a) i)	150mm trenchless installation, Class B sand bedding, Class 3 backfill		m	1.0					
b) i)	200mm trenchless installation, Class B sand bedding, Class 3 backfill		m	136.0					
K.2	Watermain Valve	CW 2110							
a)	200mm		each	2					
K.3	Fittings	CW 2110							
a)	Reducers								
i)	200mm - 150mm		each	1					
K.4	Water Services	CW 2110							
a) i)	19mm trenchless installation, Class B sand bedding, Class 3 backfill		m	40.0					
K.5	Corporation Stops	CW 2110							
a)	19mm		each	3					
b)	25mm		each	3					

(See B9)

### 2005 WATERMAIN RENEWALS - CONTRACT NO. 3

ITEM NO.	DESCRIPTION	SPEC. REF.	UNIT	APPROX. QUANTITY	UNIT PRICE	AMOUNT
K.6	Curb Stops - Replace Existing	CW 2110				
a)	19mm		each	1		
b)	25mm		each	2		
K.7	Curb Stop Boxes - Replace Existing	CW 2110				
a)	19mm		each	1		
b)	25mm		each	2		
K.8	Connecting to Existing Watermains and Large Diameter Water Services	CW 2110				
a)	In-line connection - no plug existing					
i)	150mm		each	1		
ii)	200mm		each	1		
K.9	Connecting Existing Copper Water Services to New Watermains	CW 2110				
a)	19mm		each	2		
b)	25mm		each	1		
K.10	10.9 Kilogram Sacrificial Zinc Anodes	CW 2110				
a)	On Water Services		each	7.0		
K.11	Continuity Bonding	CW 2110	each	2		
K.12	Full Depth Partial Slab Patches	CW 2110				
a) i)	Removal 200mm reinforced concrete pavement		m²	10.0		
b) i)	Installation 200mm reinforced concrete pavement		m²	10.0		
K.13	Miscellaneous Concrete Slab Renewal	CW 3235				
a)	Sidewalk		m²	30.0		

(See B9)

### 2005 WATERMAIN RENEWALS - CONTRACT NO. 3

	PRICES	0050				
ITEM NO.	DESCRIPTION	SPEC. REF.	UNIT	APPROX. QUANTITY	UNIT PRICE	AMOUNT
K.14	Concrete Curb Renewal	CW 3240				
a)	Barrier curb		m	15.0		
b)	Ramp curb		m	10.0		
K.15	Construction of Asphaltic Concrete Overlays Type 1A	CW 3410	tonne	3.0		
	Part K Subtotal					
Ŀ	Xante Street - 50 metres south of R	Ross Avenue	e to Paci	fic Avenue	I	
L.1	Watermain Renewal	CW 2110				
a) i)	150mm trenchless installation, Class B sand bedding, Class 3 backfill		m	30.0		
ii)	trenchless installation, Class B sand bedding, Class 5 backfill		m	135.0		
L.2	Hydrant Assembly	CW 2110				
a)	SD-006		each	1		
L.3	Watermain Valve	CW 2110				
a)	150mm		each	2		
L.4	Fittings	CW 2110				
a)	Tees					
i)	150mm X 150mm X 150mm		each	1		
b)	Bends (SD-004)					
i)	150mm - 45°		each	4		
L.5	Corporation Stops	CW 2110				
a)	19mm		each	2		
L.6	Connecting to Existing Watermains and Large Diameter Water Services	CW 2110				
a)	In-line connection - no plug existing					
i)	150mm		each	3		

(See B9)

### 2005 WATERMAIN RENEWALS - CONTRACT NO. 3

ITEM	DESCRIPTION	SPEC.	UNIT	APPROX.	UNIT	AMOUNT
NO.		REF.		QUANTITY	PRICE	
L.7	Connecting Existing Copper Water Services to New Watermains	CW 2110				
a)	19mm		each	2		
L.8	10.9 Kilogram Sacrificial Zinc Anodes	CW 2110				
a)	On Metallic Watermains		each	1.0		
b)	On Water Services		each	2.0		
L.9	Construction of Asphaltic Concrete Patches Type 1A	CW 3410	m²	10.0		
L.10	Surfacing Material	CW 3150				
a)	Limestone		tonne	15.0		
				Part L Subto	otal	ł
M	Provisional Items	I	I	I	I	
M.1	Granular Backfill Material	CW 2030	m³	50.0		
M.2	Cement Stabilized Backfill Material	CW 2030	m³	50.0		
M.3	Regrading Existing Sewer Service – Up to 1.5 Metres Long	CW 2110				
a)	150mm		each	15		
b)	250mm		each	2		
M.4	Regrading of Existing Sewer Service - Longer Than 1.5 metres	CW 2110				
a)	150mm		m	20.0		
b)	250mm		m	10.0		
M.5	Sodding	CW 3510	m²	150.0		
M.6	Connecting New Sewer Service to Existing Sewer Service	CW 2130				
a)	250mm to 250mm		each	2		

(See B9)

### 2005 WATERMAIN RENEWALS - CONTRACT NO. 3

UNIT PRICES

ITEM NO.	DESCRIPTION	SPEC. REF.	UNIT	APPROX. QUANTITY	UNIT PRICE	AMOUNT
M.7	Fittings	CW 2110				
a)	Bends (SD-005)					
i)	150mm - 22 1/2°		each	2		
ii)	150mm - 45°		each	2		
iii)	200mm - 22 1/2°		each	1		
M.8	Catchbasin Lead Pipe	CW 2130				
a) <u>i)</u>	250mm trenchless installation, Class B sand bedding, Class 3 backfill		m	10.0		
M.9	Maintaining Curb Stop Excavations	CW 2110	day	5		
M.10	Street Light Cable Trenching	E7				
a)	trenching		m	100.0		
b)	coring		m	25.0		
M.11	Remove and Replace Chain Link Fence	E8 and CW 3550				
a)	1.83 metres		m	25.0		
				Part M Subt	otal	
TOTAL BID PRICE (GST extra) (in figures) \$						
(in words)						

Name of Bidder

#### FORM G1: BID BOND AND AGREEMENT TO BOND

(Page 1 of 2) (See B11)

#### **BID BOND**

KNOW ALL MEN BY THESE PRESENTS THAT

(hereinafter called the "Principal") and

(hereinafter called the "Surety"), are held and firmly bound unto **THE CITY OF WINNIPEG** (hereinafter called the "Obligee") in the sum of ten percent (10%) of the Total Bid Price set out in the Bid Submission hereinafter described, for the payment of which sum the Principal and Surety bind themselves, their heirs, executors, administrators, successors and assigns, jointly and severally, firmly by these presents.

WHEREAS the Principal has submitted a Bid to the Obligee dated the

\_\_\_\_\_ day of \_\_\_\_\_ , 20\_\_\_\_\_ , 20\_\_\_\_\_ for

BID OPPORTUNITY NO. 244-2005

2005 WATERMAIN RENEWALS - CONTRACT NO. 3

as more fully set out in the Bid Opportunity.

NOW THEREFORE the condition of this obligation is such that if the Bid of the Principal is not accepted, or if said Bid is accepted and the Principal, in accordance with the terms of the Bid, enters into a Contract with the said Obligee and furnishes the required performance security for guaranteeing the faithful performance of the Contract, this obligation shall be void, but otherwise shall remain in full force and effect.

IN WITNESS WHEREOF the Principal and Surety have signed and sealed this bond the

\_\_\_\_\_ day of \_\_\_\_\_\_ , 20\_\_\_\_\_ .

1

SIGNED AND SEALED in the presence of:

(Witness)

(Name of Principal)	
Per:	(Sea
Per:	
(Name of Surety)	
(Name of Surety) By:	(Sea

\_\_\_\_\_ of

#### FORM G1: BID BOND AND AGREEMENT TO BOND

(Page 2 of 2) (See B11)

#### AGREEMENT TO BOND

(to be attached to and to form part of Bid Bond)

The Surety on the attached Bid Bond hereby undertakes and agrees with THE CITY OF WINNIPEG to become bound as Surety for the Principal,

(Name of Bidder)

(Place)

the Bidder to you on \_\_\_\_\_\_, 20\_\_\_\_\_, for

**BID OPPORTUNITY NO. 244-2005** 

2005 WATERMAIN RENEWALS - CONTRACT NO. 3

in an amount equal to fifty percent (50%) of the Contract Price for the due and proper performance of the Work shown and described in the Bid Opportunity, if our Principal's Bid is accepted by you, such Performance Bond to be maintained and continue in full force and effect until the expiration of the warranty period. The Performance Bond shall be in the form specified in the Bid Opportunity.

It is a condition that this Agreement to Bond shall become null and void if the Performance Bond mentioned above is not required from our Principal within thirty (30) Calendar Days following the Submission Deadline.

AND IT IS HEREBY DECLARED AND AGREED that the Surety shall be liable as Principal, and that nothing of any kind or matter whatsoever that will not discharge the Principal shall operate as a discharge or release of liability of the Surety, any law or usage relating to the liability of Sureties to the contrary notwithstanding.

SIGNED AND SEALED this \_\_\_\_\_ day of \_\_\_\_\_, 20\_\_\_\_.

(Name of Surety)

\_\_\_\_\_ By: (Attorney-in-Fact) (Seal)

#### FORM G2: IRREVOCABLE STANDBY LETTER OF CREDIT AND UNDERTAKING (BID SECURITY) (Page 1 of 2) (See B11)

(Date)

The City of Winnipeg Corporate Finance Department Materials Management Branch 185 King Street, Main Floor Winnipeg MB R3B 1J1

#### RE: BID SECURITY - BID OPPORTUNITY NO. 244-2005

2005 WATERMAIN RENEWALS – CONTRACT NO. 3

Pursuant to the request of and for the account of our customer,

(Name of Bidder)

(Address of Bidder)

WE HEREBY ESTABLISH in your favour our irrevocable Standby Letter of Credit for a sum not exceeding in the aggregate

Canadian dollars.

This Standby Letter of Credit may be drawn on by you at any time and from time to time upon written demand for payment made upon us by you. It is understood that we are obligated under this Standby Letter of Credit for the payment of monies only and we hereby agree that we shall honour your demand for payment without inquiring whether you have a right as between yourself and our customer to make such demand and without recognizing any claim of our customer or objection by the customer to payment by us.

The amount of this Standby Letter of Credit may be reduced from time to time only by amounts drawn upon it by you or by formal notice in writing given to us by you if you desire such reduction or are willing that it be made.

Partial drawings are permitted.

We engage with you that all demands for payment made within the terms and currency of this Standby Letter of Credit will be duly honoured if presented to us at:

(Address)

and we confirm and hereby undertake to ensure that all demands for payment will be duly honoured by us.

#### FORM G2: IRREVOCABLE STANDBY LETTER OF CREDIT AND UNDERTAKING (BID SECURITY) (Page 2 of 2) (See B11)

All demands for payment shall specifically state that they are drawn under this Standby Letter of Credit.

This Standby Letter of Credit will expire on July 23, 2005.

if our customer's Bid is not accepted, and if accepted, when our customer has entered into a Contract with you and has furnished the required performance security for guaranteeing the faithful performance of the Contract.

This Standby Letter of Credit may not be revoked or amended without your prior written approval.

WE HEREBY UNDERTAKE and agree to provide in your favour an irrevocable Standby Letter of Credit in an amount equal to fifty percent (50%) of the Contract Price for the due and proper performance of the Work shown and described in the Bid Opportunity, if our customer's Bid is accepted by you. Such Standby Letter of Credit shall be maintained and continue in full force and effect until the expiration of the warranty period. The Standby Letter of Credit shall be in the form specified in the Bid Opportunity.

This credit is subject to the Uniform Customs and Practice for Documentary Credit (1993 Revision), International Chamber of Commerce Publication Number 500.

(Name of bank or financial institution)	

Per:

(Authorized Signing Officer)

Per:

(Authorized Signing Officer)