



**THE CORPORATION OF THE CITY OF WINDSOR
OFFICE OF THE CITY SOLICITOR**

ALEX VUCINIC
Manager of Purchasing

Elaine Castellan
Purchasing Supervisor

(519) 255-6272
TELEPHONE NUMBER

**ADDENDUM NO. 1
TENDER NO. 07-19
PILLETTE ROAD REHABILITATION**

May 10, 2019

This addendum amends and forms part of the Tender Documents. The bidder shall insert the addendum behind the cover page of the Tender Documents.

REVISIONS TO SPECIFICATIONS – UNIT PRICING SCHEDULE

Replace Part D with the revised Part D of the Unit Pricing Schedule. Provisional Items 16 and 17 for cold weather protection have been added. All other quantities and units for Part D are unchanged.

Replace Part E with the revised Part E of the Unit Pricing Schedule. Description for Item 2a has been expanded and the estimated quantity for Item 4 have been revised. All other quantities and units for Part E are unchanged.

The Unit Pricing Schedule remain 23 pages.

Except for the contents of this addendum, all other terms and conditions of this tender remain the same.

END OF ADDENDUM NO. 1

Yours truly,

THE CORPORATION OF THE CITY OF WINDSOR

Elaine Castellan

Elaine Castellan
Purchasing Supervisor

EC/jm

**ADDENDUM NO. 1
TENDER NO. 07-19
PILLETTE ROAD REHABILITATION**

May 10, 2019

I hereby acknowledge receipt of Addendum No. 1 to the Tender No. 07-19 (14 pages).

The information contained therein is hereby noted and account of same will be taken in our tender cost.

This information was received on the _____ day of _____, 20_____.

Signature

Name (Printed)

Company Name

***NOTE: You are required to acknowledge this addendum with your TENDER submission.**

**PLEASE FAX BACK TO (519) 255-9891 OR E-MAIL @ purchasing@citywindsor.ca SIGNED
ACKNOWLEDGEMENT SHEET ASAP**

Attn: Purchasing Department

CITY OF WINDSOR
PUBLIC WORKS - ENGINEERING DEPARTMENT
TENDER 07-19 - PILLETTE ROAD
SEWER, WATERMAIN, PAVEMENT, AND STREETLIGHTING REHABILITATION
Pillette Road from Seminole Street to South National Street
South National Street from Norman Road to Pillette Road

UNIT PRICING SCHEDULE

PART D: ROAD RECONSTRUCTION

ITEM NO.	SPEC PROV	SUPP SPEC	DESCRIPTION	ESTIMATED QUANTITY	UNITS	UNIT PRICE	AMOUNT
1	14	1	Supply, erect, and maintain all project and detour signs as detailed on the contract drawings, including all delineators, barricades, lights and advanced warnings, AND FLAG PERSONS necessary for traffic control.	1.0	L.S.	\$	\$
2			Remove, salvage, and deliver all traffic signage to the Traffic Engineering Yard (1269 Mercer Street, Windsor). Note: Where stop signs are disturbed, they MUST be reinstated IMMEDIATELY .	1.0	L.S.	\$	\$
3			Remove, salvage, and deliver all existing metal castings (manhole, catchbasin frame & covers) to 1531 Crawford Avenue.	1.0	L.S.	\$	\$
4	1,23	1, 4	Sawcut, break, remove, and dispose of existing asphalt/ concrete pavement, including curb and gutter, as directed by the City Engineer.	5,300.0	S.M.	\$	\$
5	1,23	1, 4	Sawcut, break and remove existing asphalt / concrete driveways and lead walks, including alley approaches, as directed by the City Engineer.	900.0	S.M.	\$	\$
6	2	1	Excavate, remove, and dispose of existing catchbasins, including existing catchbasin leads, backfilling the excavated areas with 0-50mm granular material compacted to 100% maximum Standard Proctor Dry Density at the locations shown on drawings. NOTE: (i) Catchbasin leads are to be removed up to mainline storm sewer.	6.0	Each	\$	\$
7	21,22	1, 3	Excavate, grade and dispose of all excess materials to subgrade, including gravel driveways.	3,700.0	C.M.	\$	\$
8		1	Excavate for, supply, and install standard precast concrete curb inlet catchbasin, compacted granular backfill, including non-shrinkable concrete fill, frame and cover, and precast adjustment rings as required. (As per AS-546.)				
			a) Curb Inlet Catchbasin	2.0	Each	\$	\$
			b) Twin Curb Inlet Catchbasin	4.0	Each	\$	\$
9	22	1	Excavate for, supply and place 150mm diameter Big "O" perforated pipe (roadside subdrain), including surrounding granular bedding and connections to catchbasins.	750.0	L.M.	\$	\$

CITY OF WINDSOR
PUBLIC WORKS - ENGINEERING DEPARTMENT
TENDER 07-19 - PILLETTE ROAD
SEWER, WATERMAIN, PAVEMENT, AND STREETLIGHTING REHABILITATION
Pillette Road from Seminole Street to South National Street
South National Street from Norman Road to Pillette Road

UNIT PRICING SCHEDULE

PART D: ROAD RECONSTRUCTION

ITEM NO.	SPEC PROV	SUPP SPEC	DESCRIPTION	ESTIMATED QUANTITY	UNITS	UNIT PRICE	AMOUNT
10	4,11	1, 2, 3, 4	Sawcut, break, and remove existing residential sidewalk.	1,100.0	S.M.	\$	\$
11	2	1, 19	Excavate for, supply and install catchbasin connections <i>including</i> support, compacted granular backfill, coring exist storm sewer, and connections to new catchbasin, by open cut or approved auguring method. PVC catchbasin leads on the east side of road shall be re-used if deemed acceptable by Engineer. All leads to be connected to 2125mm storm sewer.				
			(a) 250mm diameter	40.0	L.M.	\$	\$
			(b) 200mm diameter	20.0	L.M.	\$	\$
12	21	5, 6, 7	Supply, place and compact Granular "A" material for road base, including gravel driveways and intersections.	7,000.0	Tonnes	\$	\$
13	4,11		Construct concrete curb and gutter barrier type as per AS-208	750.0	L.M.	\$	\$
14	4,11	7	Construct 1.5 metre wide concrete sidewalks and wheelchair ramps per AS-401, AS-402, and AS-549. NOTE: Granular "A" to be included in Unit Price Bid. Unit Price should also include any additional excavation regarding the preparation of the proposed sidewalk.	1,300.0	S.M.	\$	\$
15	4,11	7	Construct residential concrete driveway approach as per Standard Drawing AS-222 and lead walk as per Standard Drawing AS-401. NOTE: Granular "A" to be included in Unit Price Bid.	550.0	S.M.	\$	\$
*16	4		Supply and apply Crystal-Lock: (Provisional)				
			(a) Curb and gutter.	750.0	L.M.	\$	\$
			(b) Concrete pavement, leadwalk, driveway and sidewalk	1,900.0	S.M.	\$	\$
*17	4		Additional cost to provide additives, heat, plastic, blankets, etc., required to protect concrete in cold weather as directed by the Engineer (Provisional)				
			(a) Curb and gutter.	750.0	L.M.	\$	\$
			(b) Concrete pavement, leadwalk, driveway and sidewalk	1,900.0	S.M.	\$	\$

CITY OF WINDSOR
PUBLIC WORKS - ENGINEERING DEPARTMENT
TENDER 07-19 - PILLETTE ROAD
SEWER, WATERMAIN, PAVEMENT, AND STREETLIGHTING REHABILITATION
Pillette Road from Seminole Street to South National Street
South National Street from Norman Road to Pillette Road

UNIT PRICING SCHEDULE

PART D: ROAD RECONSTRUCTION

ITEM NO.	SPEC PROV	SUPP SPEC	DESCRIPTION	ESTIMATED QUANTITY	UNITS	UNIT PRICE	AMOUNT
18	11		Supply, place and compact asphalt: (a) Roadways - 100 mm HL-4 Hot Mix Base Course placed in two 50mm lifts..	1,255.0	Tonnes	\$	\$
			(b) Driveways (hand laid) as per Standard Drawing AS-221. Note: Granular "A" to be included in Unit Price Bid.	20.0	Tonnes	\$	\$
			(c) Sacrificial asphalt (HL-4) as required.	50.0	Tonnes	\$	\$
19			Remove and replace brick paver driveways	8.0	S.M.	\$	\$
20	4		Construct concrete alley approach per AS-204 (Adjacent to 1480 Pillette) Note: Granular "A" to be included in Unit Price Bid.	16.0	S.M.	\$	\$
21			Supply and place imported topsoil. (100mm thick)	150.0	C.M.	\$	\$
22	8		(a) Supply and place sod.	1,500.0	S.M.	\$	\$
			(b) Supply and apply water for sod.	240.0	C.M.	\$	\$
23			Supply and apply water for dust control.	600.0	C.M.	\$	\$
24			Supply and apply calcium chloride for dust control.	2.0	Tonnes	\$	\$
25			Supply and install 2' x 5' truncated dome tactile surface indicators on ramps where shown on tender drawings as per AS-549.	10.0	S.M.	\$	\$
26	7	21	Tree trimming for entire project limits.	1.0	L.S.	\$	\$
27	17		Provide a Vacuum Excavation truck to perform additional daylighting for any utilities as directed by the Engineer. (Provisional).	6.0	Hours	\$	\$
28			Supply all labour and equipment to install "U" channel posts (stanchions) at locations as directed by the City of Windsor Traffic Department.	1.0	L.S.	\$	\$
29			Adjust existing manholes to proposed grade.	4.0	Each	\$	\$
30	22		Contractor shall coordinate with VIA Rail for flagging operations in vicinity of track during construction	48.0	Hours	\$	\$
31	21		Work and coordination required to protect shallow storm sewer during all phases of construction.	1.0	L.S.	\$	\$
30			CONTINGENCY ALLOWANCE				\$ 50,000.00
TOTAL TENDER PRICE PART "D"						\$	
(INCLUDING CONTINGENCY, EXCLUDING HST)							

CITY OF WINDSOR
PUBLIC WORKS - ENGINEERING DEPARTMENT
TENDER 07-19 - PILLETTE ROAD
SEWER, WATERMAIN, PAVEMENT, AND STREETLIGHTING REHABILITATION
Pillette Road from Seminole Street to South National Street
South National Street from Norman Road to Pillette Road

UNIT PRICING SCHEDULE

PART E: WATERMAIN

ITEM NO.	WUC SPEC	SUB.	DESCRIPTION	ESTIMATED QUANTITY	UNITS	UNIT PRICE	AMOUNT
1	30.08 30.13 30.14 30.18 .09	A)	Supply and install new PVC watermain in the locations as shown on the Drawings.				
			<u>Full granular backfill</u>				
			i) 150mm diameter pipe	18.0	L.M.	\$	\$
			ii) 200mm diameter pipe	24.0	L.M.	\$	\$
			iii) 300mm diameter pipe	354.0	L.M.	\$	\$
			<u>In Directional Bored Holes</u>				
			i) 150mm diameter pipe (Provisional)	6.0	L.M.	\$	\$
			ii) 200mm diameter pipe	180.0	L.M.	\$	\$
			iii) 300mm diameter pipe (Provisional)	6.0	L.M.	\$	\$
2*	30.08 .08		Perform <u>Direction Boring</u> and install watermain as per Drawings or where ordered by the Engineer. (Pipe cost included in Item 1C).				
			a) 150mm diameter pipe (Provisional)	6.0	L.M.	\$	\$
			b) 200mm diameter pipe	180.0	L.M.	\$	\$
			c) 300mm diameter pipe (Provisional)	6.0	L.M.	\$	\$
3	30.18 .01	A)	Supply and install valves				
			<u>Gate Valves</u>				
			i) 150mm diameter	3.0	EACH	\$	\$
			ii) 200mm diameter	4.0	EACH	\$	\$
			iii) 300mm diameter	4.0	EACH	\$	\$
			<u>Tapping Valves</u>				
			i) 300mm diameter	1.0	EACH	\$	\$
			C) Install valve box extensions and extension stems as directed by the engineer. (Provisional)				
			i) 150mm Valve box Extension	1.0	EACH	\$	\$
ii) 300mm Valve box Extension	1.0	EACH	\$	\$			
iii) 600mm Valve Extension Stem	1.0	EACH	\$	\$			

CITY OF WINDSOR
PUBLIC WORKS - ENGINEERING DEPARTMENT
TENDER 07-19 - PILLETTE ROAD
SEWER, WATERMAIN, PAVEMENT, AND STREETLIGHTING REHABILITATION
Pillette Road from Seminole Street to South National Street
South National Street from Norman Road to Pillette Road

UNIT PRICING SCHEDULE

PART E: WATERMAIN

ITEM NO.	WUC SPEC	SUB.	DESCRIPTION	ESTIMATED QUANTITY	UNITS	UNIT PRICE	AMOUNT	
4*	30.18		Supply and install fully restrained fittings including all required bolts nuts gaskets etc in the location shown on the Drawings.					
	.04							
	30.19.							
	01	a)		900x300mm Tapping Sleeves	1.0	EACH	\$	\$
		b)		200mm 11 1/4° PVC Elbows	1.0	EACH	\$	\$
		c)		300mm 11 1/4° MJCL Elbows (Provisional)	1.0	EACH	\$	\$
		d)		200mm 22 1/2° PVC Elbows	1.0	EACH	\$	\$
		e)		300mm 22 1/2° MJCL Elbows	1.0	EACH	\$	\$
		f)		150mm 45° PVC Elbows (Provisional)	1.0	EACH	\$	\$
		g)		200mm 45° PVC Elbows	3.0	EACH	\$	\$
		h)		300mm 45° MJCL Elbows	2.0	EACH	\$	\$
		i)		150mm 90° PVC Elbows (Provisional)	1.0	EACH	\$	\$
		j)		200mm 90° PVC Elbows (Provisional)	1.0	EACH	\$	\$
		k)		300mm 90° MJCL Elbows	1.0	EACH	\$	\$
		l)		200x200mm PVC Tees	1.0	EACH	\$	\$
		m)		300x150mm MJCL Tees	3.0	EACH	\$	\$
		n)		300x200mm MJCL Tees	1.0	EACH	\$	\$
		o)		300x300mm MJCL Tees	1.0	EACH	\$	\$
		p)		300x150mm MJCL Reducers	1.0	EACH	\$	\$
		q)		150mm MJ Caps	3.0	EACH	\$	\$
	r)	200mm MJ Caps	2.0	EACH	\$	\$		
	s)	200mm MJ Caps with 50mm galvanized blow off pipe and cap	1.0	EACH	\$	\$		
	t)	300mm MJ Caps with 50mm galvanized blow off pipe and cap	1.0	EACH	\$	\$		

CITY OF WINDSOR
PUBLIC WORKS - ENGINEERING DEPARTMENT
TENDER 07-19 - PILLETTE ROAD
SEWER, WATERMAIN, PAVEMENT, AND STREETLIGHTING REHABILITATION
Pillette Road from Seminole Street to South National Street
South National Street from Norman Road to Pillette Road

UNIT PRICING SCHEDULE

PART E: WATERMAIN

ITEM NO.	WUC SPEC	SUB.	DESCRIPTION	ESTIMATED QUANTITY	UNITS	UNIT PRICE	AMOUNT
		u)	150mm Epoxy Coated Sleeves	1.0	EACH	\$	\$
		v)	200mm Epoxy Coated Sleeves	2.0	EACH	\$	\$
		w)	300mm Epoxy Coated Sleeves	3.0	EACH	\$	\$
5	30.18 .03	A)	Supply and install fire hydrants (plugged) (Hydrant appurtenances included in items above).				
		i)	Hydrant for 1.68m (5'6") Bury	1.0	EACH	\$	\$
		ii)	Hydrant for 1.83m (6') Bury	2.0	EACH	\$	\$
		B)	Install Hydrant extensions as directed by the engineer. (Provisional)				
		i)	150mm Extension	1.0	EACH	\$	\$
		ii)	300mm Extension	1.0	EACH	\$	\$
6	30.32 .01 50.06 .02		Supply all material, excavation, shoring, dewatering, backfilling, etc., and connect to existing watermain at the following locations as shown in drawings: (pipe and fittings included in items above.)				
		a)	After testing is complete, remove permanent blowoff assembly & backflow preventer and connect new watermain. (Supply, installation & testing of backflow device to be included in this item) See S-2076, Sheet 8, STN 1+367	1.0	UNIT	\$	\$

CITY OF WINDSOR
PUBLIC WORKS - ENGINEERING DEPARTMENT
TENDER 07-19 - PILLETTE ROAD
SEWER, WATERMAIN, PAVEMENT, AND STREETLIGHTING REHABILITATION
Pillette Road from Seminole Street to South National Street
South National Street from Norman Road to Pillette Road

UNIT PRICING SCHEDULE

PART E: WATERMAIN

ITEM NO.	WUC SPEC	SUB.	DESCRIPTION	ESTIMATED QUANTITY	UNITS	UNIT PRICE	AMOUNT
		b)	Connect to the existing 900mm C.P.P. Feedermain using Forterra / WUC approved tapping sleeve and valve (cost of tapping sleeve and valve to be included in item 4a and 3B above) Installation and tapping to be done by a Forterra Approved 3rd party contractor. All costs associated with the installation and tapping by a 3rd party to be included in this item. Contractor shall note the depth of the existing 900mm feedermain (top of pipe elevation is approximately 180.75m) and include all costs associated with: vacuum excavation required around feedermain, preliminary excavation to determine OD, jersey barriers, temporary steel fencing, assume max 3 day tap process, forming and pouring a concrete thrust block (cost of concrete covered under item 23 below) supply and installation of denso wrap on the tapping sleeve and tapping valve. Please price this item accordingly. See S-2076, Sheet 10, Detail 'A'	1.0	UNIT	\$	\$
		c)	Tie in and abandonment of the existing watermain on the Northeast corner of Pillette Rd & South National St. See S-2076, Sheet 10, Detail 'A'	1.0	UNIT	\$	\$
		d)	Tie in and abandonment of the existing watermain on the Southwest corner of South National St & Norman Rd. See S-2076, Sheet 10, Detail 'C'	1.0	UNIT	\$	\$
		e)	Tie in and abandonment of the existing watermain on the Southwest corner of South National St & Olive Rd. See S-2076, Sheet 10, Detail 'B'	1.0	UNIT	\$	\$
		f)	Cut and cap for abandonment of the existing watermain on the Northeast corner of Pillette Rd & Seminole St See S-2076, Sheet 8, STN 1+365	1.0	UNIT	\$	\$
7	30.19 .01		Supply and install 24 lb. Zinc Anodes on existing metallic water mains and metallic fittings as directed by the Engineer.	11.0	EACH	\$	\$

CITY OF WINDSOR
PUBLIC WORKS - ENGINEERING DEPARTMENT
TENDER 07-19 - PILLETTE ROAD
SEWER, WATERMAIN, PAVEMENT, AND STREETLIGHTING REHABILITATION
Pillette Road from Seminole Street to South National Street
South National Street from Norman Road to Pillette Road

UNIT PRICING SCHEDULE

PART E: WATERMAIN

ITEM NO.	WUC SPEC	SUB.	DESCRIPTION	ESTIMATED QUANTITY	UNITS	UNIT PRICE	AMOUNT
8	30.18 .05		Supply and install Foam Swabs as directed by the Engineer for the following pipe sizes:				
		a)	100mm to 200mm diameter pipe sizes.	1.0	EACH	\$	\$
		b)	250mm to 300mm diameter pipe sizes.	1.0	EACH	\$	\$
9	30.18 .08		Install chlorine risers in locations as directed by the Engineer as per WUC detail.				
		a)	off 250mm to 300mm diameter pipe sizes.	1.0	EACH	\$	\$
10	30.18 .06		Install all temporary blow-off assemblies and proper hoses in the locations shown on the drawings for testing and remove same after testing is completed; and assist WUC forces during swabbing, flushing, chlorination, and testing of all new watermains.	1.0	UNIT	\$	\$
11			Replace private drain connections, where ordered by the Engineer. (Provisional)				
		a)	100mm diameter	20.0	L.M.	\$	\$
		b)	150mm diameter	40.0	L.M.	\$	\$
		c)	200mm diameter	20.0	L.M.	\$	\$
		d)	250mm diameter	10.0	L.M.	\$	\$
e)	300mm diameter	10.0	L.M.	\$	\$		
12	30.03 .06		Excavate and remove abandoned hydrants, close old valves and remove old valve boxes, and manholes in locations as shown on the Drawings.				
		a)	Hydrant removals.	2.0	EACH	\$	\$
		b)	Valve box removals.	6.0	EACH	\$	\$
		c)	Manhole removals.	1.0	EACH	\$	\$

CITY OF WINDSOR
PUBLIC WORKS - ENGINEERING DEPARTMENT
TENDER 07-19 - PILLETTE ROAD
SEWER, WATERMAIN, PAVEMENT, AND STREETLIGHTING REHABILITATION
Pillette Road from Seminole Street to South National Street
South National Street from Norman Road to Pillette Road

UNIT PRICING SCHEDULE

PART E: WATERMAIN

ITEM NO.	WUC SPEC	SUB.	DESCRIPTION	ESTIMATED QUANTITY	UNITS	UNIT PRICE	AMOUNT
13	30.20 30.21 30.22 30.23		After the new watermain is in service, supply and install new water services as per WUC Specifications and WUC Standards Drawing in locations as directed by the Engineer.				
		A)	Contractor shall note that all commercial water service connections shall be excavated using Vacuum Truck paid under this item. Please price accordingly.				
			Install new 25mm diameter (1") water service at locations as directed by the Engineer.				
		i)	Short Side	22.0	EACH	\$	\$
		ii)	Long Side	20.0	EACH	\$	\$
		B)	Install new 38mm diameter (1 1/2") water service at locations as directed by the Engineer.				
		i)	Short Side (Provisional)	1.0	EACH	\$	\$
		ii)	Long Side (Provisional)	1.0	EACH	\$	\$
		C)	Install new 50mm diameter (2") water service at locations as directed by the Engineer.				
		i)	Short Side (Provisional)	1.0	EACH	\$	\$
		ii)	Long Side (Provisional)	1.0	EACH	\$	\$
		D)	Transfer existing services to new watermain at locations directed by the engineer.				
		i)	ALL LOCATIONS				
a)	25mm (1385 & 1405 Pillette)	2.0	EACH	\$	\$		
b)	38mm (Provisional)	1.0	EACH	\$	\$		

CITY OF WINDSOR
PUBLIC WORKS - ENGINEERING DEPARTMENT
TENDER 07-19 - PILLETTE ROAD
SEWER, WATERMAIN, PAVEMENT, AND STREETLIGHTING REHABILITATION
Pillette Road from Seminole Street to South National Street
South National Street from Norman Road to Pillette Road

UNIT PRICING SCHEDULE

PART E: WATERMAIN

ITEM NO.	WUC SPEC	SUB.	DESCRIPTION	ESTIMATED QUANTITY	UNITS	UNIT PRICE	AMOUNT
		E)	Install new water service from property line into the building including coordinating a WUC approved licensed plumber (plumber hourly rate priced separately below) core drilling through the concrete floor or foundation and re sealing, all necessary pipe and fittings as directed by WUC Engineer. (Provisional)				
		i)	25mm	1.0	EACH	\$	\$
		ii)	38mm	1.0	EACH	\$	\$
		F)	Hire a WUC approved licensed plumber to connect the new water service to existing plumbing inside the building. (Provisional)	10.0	HRS	\$	\$
		G)	Connection of Water Service beyond the standard 1.5m (5') offset up to 6.0m (20') to clear existing obstructions (Trees, Sewers, Utilities etc) including drilling and excavation of secondary pit in locations as directed by the Engineer. (Provisional)	5.0	EACH	\$	\$
14	30.25		Supply and install new meter pits as directed by the WUC Engineer. (Provisional)	1.0	EACH	\$	\$
15	30.25		Install new water meter or relocated existing meter in new meter pit complete with copper risers and fittings as directed by WUC Engineer. (Provisional)	1.0	EACH	\$	\$
16			Supply and install new 50mm polyethylene or PVC sleeves across sewer trench to protect the new 25mm polyethylene water service against damages that may result from 0-50mm granular backfill around polyethylene water service (Provisional).	20.0	EACH	\$	\$
17	30.48 .03		Supply, place and compact sand backfill for additional watermain work as ordered by the Engineer. (Provisional)	75.0	TONNE	\$	\$
18	30.48 .04		Supply and place OPSS clear stone to backfill for additional watermain work as directed by the Engineer. (Provisional)	50.0	TONNE	\$	\$

CITY OF WINDSOR
PUBLIC WORKS - ENGINEERING DEPARTMENT
TENDER 07-19 - PILLETTE ROAD
SEWER, WATERMAIN, PAVEMENT, AND STREETLIGHTING REHABILITATION
Pillette Road from Seminole Street to South National Street
South National Street from Norman Road to Pillette Road

UNIT PRICING SCHEDULE

PART E: WATERMAIN

ITEM NO.	WUC SPEC	SUB.	DESCRIPTION	ESTIMATED QUANTITY	UNITS	UNIT PRICE	AMOUNT
19	30.48 .02		Supply, place and compact 0 - 7/8" OPSS granular 'A', to backfill for additional watermain work as directed by the Engineer. (Provisional)	100.0	TONNE	\$	\$
20	30.61		Supply and maintain all traffic, delineators, barricades, lights, advanced warning signs, specialty signs, project signs and employ flag persons when and where necessary to control traffic, in keeping with the most recent Traffic Control Manual for Roadway Work Operations, published by Ministry of Transportation and Communications. (Outside limits of sewer & road construction)	1.0	UNIT	\$	\$
21	30.53 30.26	a)	Supply and place temporary hotmix maintenance asphalt (handwork) in watermain trenches as directed by the engineer. Total depths 25mm - 150mm (Provisional)	50.0	TONNE	\$	\$
22	30.46 30.26	a)	Supply and place temporary cold mix asphalt in watermain trenches as directed by the engineer. Total depths 25mm - 150mm (Provisional)	50.0	TONNE	\$	\$
23			Supply and install 25MPA Mass Concrete Thrust Blocking as directed by the Engineer complete with bond breaker.	5.0	C.M.	\$	\$
24			Supply and Install N.S.F. 'U-fill' to City Spec S-24 for backfill as directed by the Engineer. (Provisional)	10.0	C.M.	\$	\$
25			Supply and Install 50mm rigid foam insulation and insulate new watermain or water services in locations shown on the drawings or as directed by the Engineer. (Provisional)	5.0	S.M.	\$	\$

CITY OF WINDSOR
PUBLIC WORKS - ENGINEERING DEPARTMENT
TENDER 07-19 - PILLETTE ROAD
SEWER, WATERMAIN, PAVEMENT, AND STREETLIGHTING REHABILITATION
Pillette Road from Seminole Street to South National Street
South National Street from Norman Road to Pillette Road

UNIT PRICING SCHEDULE

PART E: WATERMAIN

ITEM NO.	WUC SPEC	SUB.	DESCRIPTION	ESTIMATED QUANTITY	UNITS	UNIT PRICE	AMOUNT
26			Supply all necessary additional materials, excavation, shoring, dewatering, backfilling, etc. to deflect the new PVC watermain below the existing underground utility obstructions (concrete duct banks, sewers, fibre optics, hydro, etc.) in the locations shown on the drawings or as otherwise directed by the Engineer. Refer to typical watermain deflection detail. (pipe and fittings to be paid for in items 1 and 3)				
		a)	Deflections Up to 1 meter (Provisional)	1.0	UNIT	\$	\$
27			Supply all necessary additional machine / hand / vacuum excavation, dewatering, granular backfilling, saw cutting, etc. to expose and confirm water service redundancy at the building/property line. The excavation shall be of sufficient size to allow WUC Inspection Staff to safely enter and conduct the investigation. Locations to be as directed by the WUC Engineer. (Provisional)				
		a)	Water Service depths to 1.69 meters	1.0	UNIT	\$	\$
		b)	Water Service depths from 1.7 to 2.0 meters	1.0	UNIT	\$	\$
		c)	Water Service depths from 2.01 to 2.3 meters	1.0	UNIT	\$	\$
28			Provide a Vacuum Excavation truck to perform additional daylighting for any utilities not shown on the drawings and as directed by the engineer. (Provisional)	40.0	HRS	\$	\$
*29			CONTINGENCY ALLOWANCE				\$ 50,000.00
TOTAL TENDER PRICE PART "E"						\$	
(INCLUDING CONTINGENCY, EXCLUDING HST)							