

All Bidders are to note that the Special Provisions - Contract Items Supplementary are regularly revised and in some cases modified to a specific project. The City will not be responsible for any Bidder not being aware of the changes from previous tender documents.

SCHEDULE OF QUANTITIES AND UNIT PRICES

CONTRACT NO. 2018-471-18

Third Avenue Watermain and Sewer Replacement

ITEM NO.	SPEC NO.	DESCRIPTION	ESTIMATED QUANTITY	UNIT	UNIT PRICE	TOTAL PRICE
SECTION 'A' - GENERAL						
A1	A1	Bonding	1	L.S.	_____	_____
A2	SPCS	Preconstruction Survey	1	L.S.	_____	_____
A4	SPCS	Construction Layout a) Survey Layout	1	L.S.	_____	_____
A5	SPCS	Clearing and Grubbing a) Remove Existing Trees (150-300mm dia.) b) Remove Existing Stumps c) Remove Existing Brush, Shrubs & Vegetation	5 5 5	each each m ²	_____ _____ _____	_____ _____ _____
A8	SPCS	Construction Signs, Traffic Control and Traffic Management Plan	1	L.S.	_____	_____
A9	A9	Contingency Allowance	1	L.S.	\$ 75,000.00	\$ 75,000.00

TOTAL SECTION 'A' - GENERAL _____

SECTION 'B' - ROADS						
B2	SPCS	Earth Excavation and Removals <i>Includes sawcutting and disposal of surplus or unsuitable excavated materials</i> a) Roadway i. 0+215 to 0+015 Full Width b) Asphalt Material (any thickness) i. Roadway ii. Entrances c) Concrete Driveways, Parking Areas and Sidewalks (any thickness) d) Curb and/or Curb & Gutter (any type)	1,564 1650 90 355 455	m ³ m ² m ² m ² m	_____ _____ _____ _____ _____	_____ _____ _____ _____ _____
B3	SPCS	Granular Material a) Granular 'A' i. Roads (450mm depth) ii. Parking Areas (450mm depth) iii. Sidewalks (125mm depth) iv. Driveways - Residential (200mm depth) v. Curb (450mm depth for curb base) and Subdrain	2050 250 130 50 460	t t t t t	_____ _____ _____ _____ _____	_____ _____ _____ _____ _____
B6	SPCS	Subdrain <i>NOTE: Incl. 'Coring of' and 'Connection to' Structure</i> a) 150mm Dia. - Perforated HDPE Pipe c/w Filter Cloth	380	m	_____	_____
B8	SPCS	Concrete Curb and Gutter a) Curb & Standard Gutter - Tangent (OPSD 600.040) b) Barrier Curb (OPSD 600.110)	380 75	m m	_____ _____	_____ _____
B9	SPCS	Concrete Sidewalks <i>32MPa Concrete</i> a) Standard - 125mm Thickness (OPSD 310.010) b) Private Sidewalk - Any Type (to match existing)	120 50	m ² m ²	_____ _____	_____ _____

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B11	SPCS	Asphalt Milling <i>Includes delivery of millings to City's Service Centre</i> a) < 75mm Depth (incl. tapers at limits and butt joints)	100	m ²	_____	_____
B12	SPCS	Supply and Application of Tack Coat	100	m ²	_____	_____
B14	SPCS	Supply & Place Hot Mix Asphalt a) Roadways i. HL3 HS Surface Course - 40mm depth (Jepson Street) ii. HL8 HS Base Course - 80mm depth b) Residential Driveways i. HL3F - 50mm depth c) Commercial/Industrial Driveways and Parking Areas i. HL3F Surface Course - 40mm depth ii. HL8 HS Base Course - 80mm depth	30 340 12 20 40	t t t t t	_____ _____ _____ _____ _____	_____ _____ _____ _____ _____
B15	SPCS	Asphalt Walkways and Driveways <i>For Preparation & Handwork</i> a) Residential Driveway b) Commercial/Industrial Driveway and Parking Areas	90 160	m ² m ²	_____ _____	_____ _____
B21	SPCS	Topsoil and Sod <i>Includes any grading necessary to provide positive drainage</i> a) 100mm Topsoil & Sod	530	m ²	_____	_____
B34	SPCS	Tactile Warning Surfaces <i>Includes any grading necessary to provide positive drainage</i> a) All Types (610mm x 610mm)	12	each	_____	_____
B35	SPCS	Garden Restoration	30	m ²	_____	_____

TOTAL SECTION 'B' - ROADS

SECTION 'C' - SEWERS						
C1	SPCS	Sewers <i>Includes Removal & Disposal of Existing Sewer - Any Type/Depth/Dia. (unless otherwise noted)</i> a) 250mm Dia. -PVC DR35 i. SANMH12 to SANMH8; approx. 2.4m deep ii. SANMH8 to SANMH9; approx. 2.5m deep iii. at Manhole Connections b) 200mm Dia. -PVC DR35 (at Manhole Connections) i. at Manhole Connections ii. Catchbasin Connections c) 300mm Dia. -PVC DR35 (at Manhole Connections)	127 8 10 5 26 35	m m m m m m	_____ _____ _____ _____ _____ _____	_____ _____ _____ _____ _____ _____
C2	SPCS	Sewer Laterals <i>PVC DR28 (unless otherwise noted)</i> a) 125mm Dia. b) 150mm Dia. (Provisional) c) Test Pits to verify size and location of existing sanitary laterals	111 10 12	m m each	_____ _____ _____	_____ _____ _____

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ITEM NO.	SPEC NO.	DESCRIPTION	ESTIMATED QUANTITY	UNIT	UNIT PRICE	TOTAL PRICE
C3	SPCS B3	Sewer Bedding, Cover and Backfill				
		a) Sewer Bedding & Cover				
		i. Granular 'A'	225	t		
		b) Sewer Trench Backfill				
		i. Granular 'A'	1225	t		
		c) Lateral Bedding & Cover				
		i. Granular 'A'	260	t		
		d) Lateral Trench Backfill				
		i. Granular 'A'	710	t		
		e) Precast Maintenance Hole and Catchbasin Bedding & Backfill				
		i. Granular 'A'	80	t		
C5	SPCS	Flush and TV Inspect (& Test)				
		a) Sewers				
		i. New Sewers	160	m		
		ii. New Catch Basin Leads	25.5	m		
		b) Laterals				
		i. New Sewer Laterals	111	m		
		ii. Existing Sewer Laterals (to verify live connections as needed)	170	m		
		c) Mandrel Testing - New Flexible Sewer				
		i. Upon Completion	160	m		
		ii. Prior to 1-year Final Inspection	160	m		
d) Dye Testing Existing Laterals (to verify live connections as needed)	12	each				
C6	SPCS	Precast Concrete Maintenance Holes and Catchbasins				
		<i>Includes Bituminous Sealing and Self-Leveling Frames & Covers (within roadway)</i>				
		a) 1200mm Dia. Maintenance Hole - OPSD 701.010				
		i. SANMH12; approx. 2.4m deep	1	each		
		ii. SANMH8; approx. 2.2m deep	1	each		
		iii. SANMH9; approx 3.4m deep with drop structure	1	each		
b) 600x600mm Single Catchbasin - OPSD 705.010, 400.020	5	each				
c) Inlet Control Devices in Catchbasins	5	each				
C7	SPCS	Cleanouts				
		<i>To Conform with Approved Sanitary Lateral Connections (Table C1)</i>				
		a) New Lateral	12	each		
C8	SPCS	Rock Excavation for Sewers				
		a) Sewers and Structures	70	m ³		
		b) Laterals	40	m ³		
C9	SPCS	Remove & Dispose of Ex. Structures				
		<i>Includes Any Material Type (excl. A.C. Pipe) /Size/Depth/Dia. and Salvage/Delivery of Existing Frames & Covers/Grates to City's Service Centre</i>				
		a) Maintenance Holes	3	each		
		b) Catchbasins	5	each		
C10	SPCS	Sewer and/or Structure Connections				
		<i>Any Material Type/Depth/Diameter/Wall Thickness</i>				
		a) New Sewer to Existing Sewer	5	each		

TOTAL SECTION 'C' - SEWERS

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ITEM NO.	SPEC NO.	DESCRIPTION	ESTIMATED QUANTITY	UNIT	UNIT PRICE	TOTAL PRICE
SECTION 'D' - WATERMAIN						
D1	SPCS	Watermain <i>PVC - Class 150 DR18 (by Open Trench)</i>				
		a) 150mm Dia. i. McRae to Jepson	216	m	_____	_____
		b) 150mm Dia. Leads i. Hydrant Leads	5	m	_____	_____
D1.1	SPCS B3	Watermain Bedding, Cover and Backfill				
		a) Watermain Bedding & Cover i. Granular 'A'	520	t	_____	_____
		b) Trench Backfill i. Granular 'A'	1170	t	_____	_____
		c) Water Services Bedding & Backfill i. Granular 'A'	975	t	_____	_____
D2	SPCS	Valves <i>Including Valve Box</i>				
		a) 100mm Dia. b) 150mm Dia.	1 4	each each	_____ _____	_____ _____
D3	SPCS	Hydrant Sets <i>c/w Anchor Tee & Valve (OPSD 1105.01)</i>	1	each	_____	_____
D4	SPCS	Water Services				
		a) 20mm - Type 'K' Soft Copper	96	m	_____	_____
		b) 25mm - Type 'K' Soft Copper (Provisional)	10	m	_____	_____
		c) 100mm - PVC Class 150 DR18 d) Test Pits to verify Size and Location of Existing Water Services	8 8	m each	_____ _____	_____ _____
D5	SPCS	Main Stops				
		a) 20mm b) 25mm (Provisional)	8 1	each each	_____ _____	_____ _____
D6	SPCS	Curb Stops				
		a) 20mm b) 25mm (Provisional)	8 1	each each	_____ _____	_____ _____
D7	SPCS	Curb Boxes				
		a) 20mm b) 25mm (Provisional)	8 1	each each	_____ _____	_____ _____
D9	SPCS	Insulation of Services/Watermain				
		a) 50mm Thickness	15	m ²	_____	_____
		b) 65mm Thickness	15	m ²	_____	_____
		c) 75mm Thickness d) 100mm Thickness	5 5	m ² m ²	_____ _____	_____ _____
D10	SPCS	Cathodic Protection of Watermains and Appurtenances				
		a) Type DZP 550-12 (all services, fittings, valves & plugs) b) Type DZP 1110-24 (each hydrant assembly, multiple fittings (up to 3))	41 1	each each	_____ _____	_____ _____
D11	SPCS	Abandon Old Watermain				
		a) Grout, Plug, Cap and Block Existing W/M to be Abandoned	6	each	_____	_____
		b) Salvage Existing Line Valves & Boxes c) Salvage Existing Hydrant Assemblies (<i>Incl. hydrant valves & valve boxes</i>)	3 1	each each	_____ _____	_____ _____

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ITEM NO.	SPEC NO.	DESCRIPTION	ESTIMATED QUANTITY	UNIT	UNIT PRICE	TOTAL PRICE
D13	SPCS	Watermain Disinfection and Testing	1	L.S.	_____	_____
D17	SPCS	Watermain Connections <i>Incl. all necessary pipe lengths, bends, tees, adapters, other fittings and thrust restraints etc. to complete the connection.</i>				
		a) Connect to Existing 150mm Dia. PVC W/M @ McRae Street	1	each	_____	_____
		b) Connect to Existing 150mm Dia. C.I. W/M @ Jepson Street East	1	each	_____	_____
		c) Connect to Existing 150mm Dia. C.I. W/M @ Jepson Street West	1	each	_____	_____
		d) Connect to Existing 150mm Dia. C.I. W/M @ Jepson Street North	1	each	_____	_____
		e) Connect to Existing 100mm Dia. C.I. Water Service @ #5050 Jepson Street	1	each	_____	_____
D18	SPCS	Rock Excavation for Watermains and Services				
		a) Watermain	160	m ³	_____	_____
		b) Water Services	40	m ³	_____	_____

TOTAL SECTION 'D' - WATERMAIN

SECTION 'P' - PROVISIONAL ITEMS

B1	SPCS	Test Pits (Provisional Item)				
		a) Depth up to 0.5m	1	each	_____	_____
		b) Depth up to 1.0m	1	each	_____	_____
		c) Depth up to 2.0m	3	each	_____	_____
		d) Via Hydro Vac. (<i>Any Depth</i>)	5	Hour	_____	_____
B23	SPCS	Supply and Apply Calcium Chloride (Provisional Item)	1.2	t	_____	_____
B24	SPCS	Application of Water for Dust Control (Provisional Item)	190	m ³	_____	_____
P1	SPCS	19 mm Clear Stone (Provisional Item)	70	t	_____	_____

TOTAL SECTION 'P' - PROVISIONAL ITEMS
