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. 2019-188-07
NIAGARA FALLS INDUSTRIAL PARK PHASE 1 & 2

ITEM NO.	SPEC NO.	DESCRIPTION	ESTIMATED QUANTITY	UNIT	UNIT PRICE	TOTAL PRICE
PHASE 2 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.	$ _____	$ _____
		b) Progress and Final Record Photography	1	L.S.	$ _____	$ _____
		c) Record Survey and Drawings	1	L.S.	$ _____	$ _____
A5	SPCS	**Clearing and Grubbing**				
		a) Remove Existing Trees ≥ 100mm dia.	3	each	$ _____	$ _____
		b) Remove Existing Stumps	3	each	$ _____	$ _____
		c) Remove Existing Brush, Shrubs & Vegetation	300	m^2	$ _____	$ _____
A7	SPCS	**Install, Maintain and Remove Silt Control Devices**				
		a) Catchbasin Silt Bags	10	each	$ _____	$ _____
		b) Light Duty Silt Fence Barrier, OPSD 219.110	450	m	$ _____	$ _____
		c) Straw Bale Check Dam	10	each	$ _____	$ _____
A8	SPCS	**Construction Signs, Traffic Control and Traffic Management Plan**	1	L.S.	$ _____	$ _____
A9	SPCS	**Contingency Allowance**	1	L.S.	$ 100,000.00	$ 100,000.00
					TOTAL PHASE 2 SECTION 'A' - GENERAL	**$**

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CONTRACT NO. 2019-188-07
NIAGARA FALLS INDUSTRIAL PARK PHASE 1 & 2

ITEM NO.	SPEC NO.	DESCRIPTION	ESTIMATED QUANTITY	UNIT	UNIT PRICE	TOTAL PRICE
PHASE 2 SECTION 'B' - ROADS						
B2	SPCS	**Earth Excavation** *Includes sawcutting and disposal of surplus or unsuitable excavated materials*				
		a) Roadway STA.0+490 to 0+750	650	m^3	$	$
		i. Sidewalk Excavation >75mm	10	m^3	$	$
		b) Asphalt Material (any thickness) - to include removal of Blackburn Parkway roadway	2080	m^2	$	$
		d) Curb and/or Curb & Gutter (any type)	30	m	$	$
		f) Strip topsoil in existing boulevards and proposed sidewalk area, including diposal off-site	100	m^3	$	$
		g) Import suitable material from Phase 1 separated Stockpile #1	2500	m^3	$	$
B3	SPCS	**Granular Material**				
		a) Granular 'A'				
		i. Roads, Medians	3,800	t	$	$
		ii. Sidewalks (125mm depth)	150	t	$	$
		iii. Driveway Base (375mm depth for Industrial)	400	t	$	$
		iv. Driveway Culverts	10	t	$	$
		c) Granular 'M'				
		i. Shoulder Restoration	10	t	$	$
B6	SPCS	**Subdrain** Perforated HDPE Pipe c/w Filter Cloth *(Includes 'Coring of' and 'Connection to' existing structures, where required)*				
		a) 100mm Dia.	520	m	$	$
B7	B7	**Installation of New Culvert**				
		a) Corrugated Steel Pipe (CSP) (68mm x 13mm Corrugation & 1.6mm Thickness)				
		iii. 600mm Dia.	3	m	$	$
B8	SPCS	**Concrete Curb and Gutter**				
		a) Barrier Curb w/ Standard Gutter - Tangent (OPSD 600.040)	520	m	$	$
		f) 45° Concrete Outlet (Curb & Gutter at End of Run - OPSD 605.030)	2	each	$	$
		g) Private Curb - Any Type (to match existing)	120	m	$	$
B9	SPCS	**Concrete Sidewalks** *32MPa Concrete*				
		a) Standard - 125mm Thickness (OPSD 310.010)	366	m^2	$	$
		b) Industrial (through driveways only) - 200mm Thickness (OPSD 310.010)	24	m^2	$	$
B11	SPCS	**Asphalt Milling** *Includes delivery of millings to City's Service Centre*				
		a) < 75mm Depth (incl. tapers at limits and butt joints)	50	m^2	$	$
B13	SPCS	**Adjustment of Appurtenances**				
		a) Existing Catchbasin/Ditch Inlet Frame & Grate				
		i. < 300mm	1	each	$	$
		ii. 300mm - 450mm	1	each	$	$
		b) Replace Existing Catchbasin/Ditch Inlet Frame & Grate				
		i. Cast Iron Square Frame w/Dished Herring Bone Openings (OPSD 400.01)	1	each	$	$
		c) Existing Maintenance Hole/Valve Chamber Frame & Cover				
		i. < 300mm	1	each	$	$
		ii. 300mm - 450mm	3	each	$	$
		d) Replace Existing Maintenance Hole/Valve Chamber Frame & Cover				
		i. Cast Iron Square Frame w/ Circular Cover (OPSD 401.01)	1	each	$	$

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CONTRACT NO. 2019-188-07
NIAGARA FALLS INDUSTRIAL PARK PHASE 1 & 2

ITEM NO.	SPEC NO.	DESCRIPTION	ESTIMATED QUANTITY	UNIT	UNIT PRICE	TOTAL PRICE
		e) Existing Valve/Curb Boxes	4	each	$ _____	$ _____
		g) Rebuild Manhole	1	each	$ _____	$ _____
	D3	i) Fire Hydrants - Adjust to Finished Grade	2	each	$ _____	$ _____
B14	SPCS	**Supply & Place Hot Mix Asphalt**				
		a) Roadways				
		ii. HL8 HS Base Course - 80mm Thickness	510	t	$ _____	$ _____
		c) Commercial/Industrial Driveways				
		i. HL3F Surface Course - 40mm Thickness	40	t	$ _____	$ _____
		ii. HL8 MDBC Base Course - 50mm Thickness	50	t	$ _____	$ _____
B15	SPCS	**Asphalt Walkways and Driveways**				
		For Preparation & Handwork				
		b) Commercial/Industrial Driveway	350	m^2	$ _____	$ _____
B18	SPCS	**Granular Driveways**				
		For Preparation & Handwork				
		a) Granular 'A'				
		iii. Industrial Driveway - 375mm Depth	100	m^2	$ _____	$ _____
B19	SPCS	**Regrading of Ditches and Swales**				
		Includes removal and disposal of excess/unsuitable excavated materials				
		a) Existing	10	m	$ _____	$ _____
		b) New	450	m	$ _____	$ _____
B20	B20	**Hand Laid Riprap with Filter Cloth**	10	m^2	$ _____	$ _____
B21	SPCS	**Topsoil and Sod**				
		Includes any grading necessary to provide positive drainage				
		a) 100mm Topsoil & Sod	2600	m^2	$ _____	$ _____
B22	SPCS	**Topsoil, Seed and Mulch**				
		Includes any grading necessary to provide positive drainage				
		a) 100mm Topsoil w/ Seed & Mulch	5500	m^2	$ _____	$ _____
B29	B29	**Wire Mesh**				
		b) Concrete Sidewalk	24	m^2	$ _____	$ _____
B34	B34	**Tactile Warning Surfaces**				
		a) Straight Plates (610mm x 610mm)	2	each	$ _____	$ _____

TOTAL PHASE 2 SECTION 'B' - ROADS $ _____

SCHEDULE OF QUANTITIES AND UNIT PRICES

CONTRACT NO. 2019-188-07
NIAGARA FALLS INDUSTRIAL PARK PHASE 1 & 2

ITEM NO.	SPEC NO.	DESCRIPTION	ESTIMATED QUANTITY	UNIT	UNIT PRICE	TOTAL PRICE
PHASE 2 SECTION 'C' - SEWERS						
PHASE 2 CX.2 - STORM						
C1.2	SPCS	**Storm Sewers** *Includes Removal & Disposal of Existing Sewer - Any Type/Depth/Dia. (unless otherwise noted)*				
		a) 375mm Dia. - PVC DR35				
		i. CB3 to Sewer; approx. 1.8m deep (8485 Blackburn Pkwy)	34.8	m	$ _____	$ _____
		b) 450mm Dia. - PVC DR35				
		i. EX Sewer to Prop. Sewer; approx. 1.8m deep (7790 Blackburn Parkway)	11	m	$ _____	$ _____
		b) 525mm Dia. - Conc. CL 65D				
		i. DI to Sewer; approx. 1.8m deep (8485 Blackburn Pkwy)	11.5	m	$ _____	$ _____
		c) 675mm Dia. - Conc. CL 65D				
		i. MH D10 to DMH_D9; approx. 1.8m deep	67.3	m	$ _____	$ _____
		d) 825mm Dia. - Conc. CL 65D				
		i. MH D9 to D8 approx. 1.8m deep	72.7	m	$ _____	$ _____
		e) 900mm Dia. - Conc. CL 65D				
		ii. MH D8 to STUB approx. 1.8m deep	10.9	m	$ _____	$ _____
C2.2	SPCS	**Sewer Laterals/Leads**				
		b) Leads - PVC DR35				
		ii. 250mm Dia.	15.5	m	$ _____	$ _____
		iii. 300mm Dia.	28	m	$ _____	$ _____
		iv. 375mm Dia.	60	m	$ _____	$ _____
C3.2	B3 - SPCS	**Sewer Bedding, Cover and Backfill - Storm**				
		a) Sewer Bedding & Cover				
		i. Granular 'A'	507	t	$ _____	$ _____
		b) Sewer Trench Backfill				
		i. Granular 'A'	1521	t	$ _____	$ _____
		e) Leads Bedding, Cover and Backfill				
		i. Granular 'A'	90	t	$ _____	$ _____
		f) Precast Maintenance Hole Bedding & Backfill				
		i. Granular 'A'	390	t	$ _____	$ _____
		g) Precast Catchbasins Bedding & Backfill				
		i. Granular 'A'	96	t	$ _____	$ _____
		h) Precast Catchbasin/Ditch Inlet Bedding & Backfill				
		i. Granular 'A'	20	t	$ _____	$ _____
C5.2	SPCS	**Flush and TV Inspect (& Test)**				
		a) Sewers				
		i. New Sewers	208	m	$ _____	$ _____
		b) Leads				
		ii. Ex. Sewer Leads *(to verify live connections as needed)*	10	m	$ _____	$ _____
C6.2	SPCS	**Precast Concrete Maintenance Holes, Catchbasins and Ditch Inlets**				
		A. Precast Concrete Maintenance Holes *Includes Self-Leveling Frames & Covers (within roadway)*				
		b) 1500mm Dia. - OPSD 701.011				
		i. DMH_D10; approx. 1.8m deep	1	each	$ _____	$ _____
		ii. DMH_D9; approx. 1.9m deep	1	each	$ _____	$ _____
		c) 1800mm Dia. - OPSD 701.012				
		i. DMH_D8; approx. 2.7m deep	1	each	$ _____	$ _____

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ITEM NO.	SPEC NO.	DESCRIPTION	ESTIMATED QUANTITY	UNIT	UNIT PRICE	TOTAL PRICE
		B. Precast Concrete Catchbasins *Includes Frame & Grates (OPSD 400.020)* *Rim Elevations as Noted on Contract Drawings*				
		a) 600x600mm Single - OPSD 705.010	5	each	$ _____	$ _____
		b) 600x1450mm Double - OPSD 705.020	2	each	$ _____	$ _____
		C. Precast Concrete Ditch Inlets *Includes Frame & Honeycomb Grates (OPSD 403.010)*				
		a) 600x1200mm (Type A, 3:1 Slope) - OPSD 705.040	1	each	$ _____	$ _____
		b) 600x600mm - OPSD 705.030	2	each	$ _____	$ _____
C8.2	SPCS	**Remove & Dispose of Ex. Sewers, Laterals/Leads and/or Structures** *Includes Any Material Type (excl. A.C. Pipe) /Size/Depth/Dia. and Salvage/Delivery of Existing Frames & Covers/Grates to City's Service Centre*				
		a) Sewer *(200mm dia PVC Ribbed 7695 Blackburn Parkway)*	20	m	$ _____	$ _____
		d) Catchbasins	1	each	$ _____	$ _____
		f) Culverts *(all sizes and material type)*	150	m	$ _____	$ _____
C10.2		**Sewer and/or Structure Connections** *Any Material Type/Depth/Diameter/Wall Thickness*				
		a) New Sewer to Existing Structure (Incl. MH Coring & Kor'n Seal Adaptor to Accommodate New Pipe)	1	each	$ _____	$ _____
		b) Existing Sewer to New Structure	2	each	$ _____	$ _____
		c) New Sewer to Existing Sewer	1	each	$ _____	$ _____

TOTAL PHASE 2 CX.2 - STORM $ _____

TOTAL PHASE 2 SECTION 'C' - SEWERS $ _____

SCHEDULE OF QUANTITIES AND UNIT PRICES

CONTRACT NO. 2019-188-07
NIAGARA FALLS INDUSTRIAL PARK PHASE 1 & 2

ITEM NO.	SPEC NO.	DESCRIPTION	ESTIMATED QUANTITY	UNIT	UNIT PRICE	TOTAL PRICE
PHASE 2 SECTION 'P' - PROVISIONAL ITEMS						
B1	SPCS	**Test Pits**				
		a) Depth up to 0.5m	1	each	$ _____	$ _____
		b) Depth up to 1.0m	1	each	$ _____	$ _____
		c) Depth up to 2.0m	1	each	$ _____	$ _____
		e) Via Hydro Vac. *(Any Depth)*	4	Hour	$ _____	$ _____
B10	SPCS	**Sawcutting Pavement** *As required but not otherwise noted*				
		b) Asphalt	10	m	$ _____	$ _____
B23	B23	**Supply and Apply Calcium Chloride**	5	t	$ _____	$ _____
B24	SPCS	**Application of Water for Dust Control**	100	m^3	$ _____	$ _____
B30	B30	**Base Repairs - General**	10	m^2	$ _____	$ _____
B36	SPCS	**Remove, Store and Reinstate**				
		a) Signs (other than traffic/regulatory signs)	1	each	$ _____	$ _____
D1	SPCS	**Watermain** *PVC - Class 150 DR18 (by Open Trench)*				
		b) 150mm Dia. (lowering w/m service to 7695 Blackburn Parkway that is in conflict with proposed storm sewer, including all Granular A bedding, cover and backfill	10	m	$ _____	$ _____
D9	D9	**Insulation of Services/Watermain**				
		a) 65mm Thickness	1	m^2	$ _____	$ _____
D10	D10	**Cathodic Protection of Watermains and Appurtenances**				
		a) Type DZP 550-12 (all services, fittings, valves & plugs)	1	each	$ _____	$ _____
		b) Type DZP 1110-24 (each hydrant assembly, multiple fittings (up to 3))	1	each	$ _____	$ _____
D21	SPCS	**Water Valve Cleaning and Exercise**	1	each	$ _____	$ _____
P1	SPCS	**32 MPa Concrete**	1	m^3	$ _____	$ _____
P5	SPCS	**19 mm Clear Stone**	1	t	$ _____	$ _____
P7	SPCS	**Trench or Road Sub-Excavation**	1	m^3	$ _____	$ _____
P8	SPCS	**Utility Pole Support During Excavation**	1	each	$ _____	$ _____

TOTAL PHASE 2 SECTION 'P' - PROVISIONAL $ _____