

SCHEDULE OF QUANTITIES AND UNIT PRICES

ITEM NO.	DESCRIPTION	ESTIMATED QUANTITY	UNIT	UNIT PRICE	TOTAL PRICE
<u>SECTION 'A' - GENERAL/EARTHWORKS</u>					
1.	Preconstruction survey	1	L.S.		
2.	Clearing and grubbing	1	L.S.		
3.	Topsoil Stripping including stockpiling on site as directed by engineer	1	L.S.		
4.	Excavation and Pregrading of the site. Item includes clean up of -Pregrading of lot area to 1.0m below finished grade -Pregrading of roadways to subgrade and front yard/side yard area to 4.0m behind curb to 200mm below finished grade -Pregrading rear swales to finished grade less allowance for 100mm topsoil and sod.	1	L.S.		
5.	a) Rear swales including 100mm topsoil, installation of perforated 100mm dia subdrain wrapped in filter cloth and with 20mm clear stone trench.	319.1	m		
	b) Sod rear yard swales - PROVISIONAL	957.3	m ²		
6.	Install, maintain and remove silt control devices				
	a) Install Silt Sacks in all catchbasins	18	ea		
	b) Light duty silt fence barrier per OPSD 219.110	445.0	m		
TOTAL SECTION 'A' - GENERAL/EARTHWORKS					

SCHEDULE OF QUANTITIES AND UNIT PRICES

ITEM NO.	DESCRIPTION	ESTIMATED QUANTITY	UNIT	UNIT PRICE	TOTAL PRICE
SECTION 'B' - SANITARY SYSTEM					
1.	Sanitary Sewers - 200mm dia PVC DR35 with Granular 'A' bedding and cover as per OPSD 802.010, select native material backfill compacted to 95% SPD on site. Within existing road, full Granular 'A' backfill compacted to 100% SPD.				
	a) MH 'D' to MH 'E'	47.6	m		
	b) MH 'D' to MH 'C'	40.2	m		
	c) MH 'E' to MH 'B'	40.2	m		
	d) MH 'C' to MH 'B'	47.6	m		
	e) MH 'B' to MH 'A'	62.9	m		
2.	Precast Concrete Maintenance Holes - 1200mm diameter as per OPSD 701.010, complete including frame and cover, parging, benching, steps, Granular 'A' backfill, adjustments and Kor-n-Seal assemblies.				
	a) MH 'E' +/- 3.3m deep	1	ea		
	b) MH 'D' +/- 3.0m deep	1	ea		
	c) MH 'C' +/- 3.2m deep	1	ea		
	d) MH 'B' +/- 3.4m deep	1	ea		
	e) MH 'A' +/- 4.3m deep -1200mm dia as per OPSD 701.011 including external wye drop structure per OPSD 1003.020 and connection to existing sewer.	1	ea		
3.	Sanitary Sewer Service (Lateral) - Green 100mm dia. PVC DR28 per OPSD 1006.010, with Granular 'A' bedding and cover as per OPSD 802.010 and select native material backfill, including tees, risers and 2x4 marker post.	30	ea		
4.	Flushing, video inspection, air test and mandrel testing immediately upon completion.	238.5	m		
TOTAL SECTION 'B' - SANITARY SYSTEM					

SCHEDULE OF QUANTITIES AND UNIT PRICES

ITEM NO.	DESCRIPTION	ESTIMATED QUANTITY	UNIT	UNIT PRICE	TOTAL PRICE
SECTION 'C' - STORM SYSTEM					
1.	Storm Sewers - Granular 'A' bedding and cover for PVC Ribbed as per OPSD 802.010 and 802.030 and select native material backfill for Concrete pipe. Type and size of pipe as specified. Within existing roadway, full Granular 'A' backfill compacted to 100% SPD.				
	a) MH '2' to MH '6' - 375mm dia. PVC RIBBED	53.9	m		
	b) CBMH '5' to Sewer - 250mm dia. PVC RIBBED	23.0	m		
	c) CBMH '8' to CBMH '9' - 200mm dia. PVC RIBBED	10.3	m		
	d) CBMH '9' to MH '6' - 250mm dia. PVC RIBBED	11.7	m		
	e) MH '6' to MH '18' - 375mm dia. PVC RIBBED	45.2	m		
	f) MH '13' to MH '14' - 250mm dia. PVC RIBBED	19.6	m		
	g) MH '14' to MH '18' - 300mm dia. PVC RIBBED	31.9	m		
	h) MH '18' to MH '20' - 450mm dia. PVC RIBBED	48.2	m		
	i) MH '20' to OGS - 375mm dia PVC RIBBED	0.5	m		
	j) OGS to EX CB - 375mm dia. PVC RIBBED	13.8	m		
2.	Precast Concrete Maintenance Holes per OPSD 701.010, including frame and cover, adjustments, parging, benching, steps, concrete pipe supports and full Granular 'A' backfill. Type and size as specified:				
	a) MH '2' +/- 1.5m depth	1	ea		
	b) CBMH '5' +/- 1.4m depth	1	ea		
	c) MH '6' +/- 1.4m depth	1	ea		
	d) CBMH '8' +/- 1.5m depth	1	ea		
	e) CBMH '9' +/- 1.5 depth	1	ea		
	f) MH '13' +/- 1.8m depth	1	ea		
	g) MH '14' +/- 1.8m depth	1	ea		
	h) MH '18' +/- 1.9m depth	1	ea		
	i) MH '20' +/- 1.8m depth - Control MMH - See Detail	1	ea		
	j) MH '21' +/- 1.8m depth - Hydroworks HD4 Oil/Grit Separator	1	ea		
3.	Precast Concrete Catchbasins including 600mm sump, frame and grate per OPSD 400.020 with Granular 'A' backfill.				
	a) Single roadway - 600mm x 600mm	6	ea		
	b) Single Yard - 600mm x 600mm	9	ea		
4.	Catchbasin Leads - 200mm dia. PVC Ribbed with Granular 'A' bedding and cover per OPSD 802.010 and select native material backfill to 95% SPD.	200.6	m		
5.	Storm Service (Lateral) - White 100mm dia. PVC DR28 with Granular 'A' bedding and cover and select native material backfill. Including connection to main sewer, tees, risers, plug and 2x4 marker post.	30	ea		
6.	Storm sewer flushing, video inspection, and PVC pipe mandrel testing immediately upon completion.	458.7	m		
TOTAL SECTION 'C' - STORM SYSTEM					

SCHEDULE OF QUANTITIES AND UNIT PRICES

ITEM NO.	DESCRIPTION	ESTIMATED QUANTITY	UNIT	UNIT PRICE	TOTAL PRICE
SECTION 'D' - WATER SYSTEM					
1.	Watermain - Granular 'A' bedding and cover as per OPSD 802.010 and selected native backfill material except under existing roads - full Granular 'A' backfill compacted to 100% SPD. Including tracer wire, all connections, tees, reducers, sleeves, bends, cathodic protection etc.				
	a) 150mm dia. PVC DR18	183.0	m		
	b) 50mm dia. Municipex	42.0	m		
2.	150mm dia. water valves and valve boxes including cathodic protection.	5	ea		
3.	Water Services - 25mm dia. Municipex, including curb stop, curb box, main stop, tracer wire, cathodic protection and 2x4 marker post, etc.	30	ea		
4.	Water Meter Chamber - 1800mm diameter precast concrete maintenance hole per OPSD 701.012, including frame and cover per OPSD 402.010, sensor pad conduit, sensor pad wooden post adjacent to meter chamber, and all internal fittings. Contractor shall supply and place Spool piece sized for	1	ea		
5.	Fire Hydrant complete with 150mm dia. secondary valve, cathodic protection and anchor tee as per OPSD 1105.01 and flow testing after connection of water system to City system.	1	ea		
6.	Connection to existing 200mm dia. watermain on Moffatt Street with 200mmx150mm tapping sleeve.	1	ea		
7.	Water Commissioning Plan, including water pressure and quality testing.	1	L.S.		
8.	Watermain tracer wire connectivity test.	1	L.S.		
9.	Irrigation Service - 40mm diameter HPDE series 160 including self draining curb stop and stainless steel rod, curb box and main stop with a 40mm diameter whip to 1.5m above to surface. Irrigation pits to be supplied by irrigation contractor at installation of irrigation.	1	ea		
10.	50mm thick x 600mm high insulation at catch basin for with 2.4m long centred at catch basin	1	L.S.		
TOTAL SECTION 'D' - WATER SYSTEM					

SCHEDULE OF QUANTITIES AND UNIT PRICES

ITEM NO.	DESCRIPTION	ESTIMATED QUANTITY	UNIT	UNIT PRICE	TOTAL PRICE
SECTION 'E' - ROADWAYS					
1.	Granular 'A' Limestone - supply, place to 400mm thickness and compact to 100% SPD for roadways.	2,400.0	m ²		
2.	Hot Mix Asphalt, including preparation of Granular 'A' and asphalt ramps around roadway catchbasins. On-site				
	a) 50mm HL8	2,200.0	m ²		
	b) 40mm HL3Fine - PROVISIONAL	2,200.0	m ²		
	Moffatt Street				
	c) 100mm HL8HS	59.0	m ²		
	d) 50mm HL3HS - PROVISIONAL	67.0	m ²		
3.	Concrete curb and gutter per OPSD 600.110 including 1-10M rebar and curb depressions & tapers where required.	500	m		
4.	Concrete Sidewalk - PROVISIONAL				
	a) Moffatt Street reinstatement to existing condition or better including sawcutting.	20.5	m ²		
	b) On-site, 1.5m wide 125mm thickness with 100mm Granular 'A' base including wheelchair ramps.	470.0	m ²		
5.	Milling on Moffatt Street - 50mm depth - PROVISIONAL	8.0	m ²		
6.	Sawcutting on Moffatt Street	16.0	m		
7.	Reinstatement of existing curb on Moffatt Street per OPSD 600.040 - PROVISIONAL	11.0	m		
8.	Install 1.0m x 1.9m x 125mm thick with 100mm Granular 'A' base, concrete Canada Post mailbox pad as per Canada Post. - PROVISIONAL	2	ea		
9.	Street Signage - PROVISIONAL				
	a) Fire Route Sign	8	ea		
	b) Stop Signs	1	ea		
10.	Boulevard Reinstatement with 100mm topsoil and sod fronting Moffatt Street - PROVISIONAL	40	m ²		
11.	Roadway Subdrain - 100mm subdrain with sock under curbs per OPSD 216.021	355	m		
TOTAL SECTION 'E' - ROADWAYS					
TOTAL 'A' - 'E'					