

ITEM NO.	DESCRIPTION	ESTIMATED QUANTITY	UNIT	UNIT PRICE	TOTAL PRICE
SECTION 'A' - GENERAL					
1	Preconstruction Survey	1	L.S.		
2	Construction Layout	1	L.S.	\$15,000.00	\$15,000.00
3	Clearing and Grubbing including Tree Removal	1	L.S.		
4	Install, Maintain, and Remove Silt Control Devices				
	a) Light Duty Silt Fence Barrier, OPSD 219.110	510.0	m		
	b) Silt Sacs				
	i) Single Catchbasins	10	ea		
	ii) Double Catchbasins	3	ea		
	iii) Yard Catchbasins	11	ea		
5	Topsoil				
	a) Stripping - Approx 15,520m ² - 4,700m ³ , and stockpiling of 1,000m ³ on site per builder direction for location	1	L.S.		
	b) Export excess topsoil - Approx. 3,700m ³	1	L.S.		
6	1.2m High Black Commercial Grade Chain Link Fence with Top Rail Per OPSD 972.130	115.0	m		
TOTAL SECTION 'A' - GENERAL					
SECTION 'B' - PRELIMINARY ROADS					
1	Excavation and Grading of Total Site All fill to be compacted to 95% SPD minimum volume of fill included in this item is site clean-up upon completion of servicing, including backfilling of curb. Approx. 1,400m ³ Cut, 10,100m ³ Fill. Additional fill may be obtained from the future apartment building area, and deeper cut in the townhouse blocks as required to build the roadway and utility corridor - Street Townhouse lots to 1.2m below finished grade - Rear swales to finished grade less allowance for 100mm topsoil - Roadways & boulevards to finished subgrade. - Item includes grading and compacting fill, imported fill	1	L.S.		
2	Granular Material Granular 'A' - Limestone - Roads - 450mm compacted thickness	3,500.0	m ²		
3	Subdrain 100mm dia. Perforated HDPE Pipe c/w Filter Cloth	740.0	m		
4	Concrete Curb and Gutter - 2 - 10m rebar				
	a) Mountable Curb w/ Narrow Gutter per OPSD 600.100, including sidewalk key	520.0	m		
	b) Concrete Barrier Curb with Standard Gutter per OPSD 600.040, including sidewalk key	120.0	m		
	c) Concrete Barrier Curb per OPSD 600.110, including sidewalk key	120.0	m		
5	Supply & Place Hot Mix Asphalt				
	a) Roadways				
	i) HL8 Base Course - 50mm thickness	3,000.0	m ²		
	ii) Install asphalt fillets at catchbasins	14.0	m ²		
6	Retaining Wall - StoneTerra, including clear stone, Granular 'B' Backfill, filter cloth, strata grid, 150mm subdrain with cloth, Granular 'A' leveling base. See design by DNM Retaining Wall	1	L.S.		
TOTAL SECTION 'B' - ROADS					

ITEM NO.	DESCRIPTION	ESTIMATED QUANTITY	UNIT	UNIT PRICE	TOTAL PRICE
SECTION 'C' - SANITARY SEWERS					
1	Sanitary Sewers Granular 'A' bedding and cover, native material backfill, except under existing roads - Granular 'A' backfill and asphalt restoration a) 200mm Dia. - PVC DR35 i. MH 'A' to MH 'B' ii. MH 'B' to MH 'D' iii. MH 'C' to MH 'D' iv. MH 'D' to MH 'E' v. MH 'E' to MH 'F' vi. MH 'F' to MH 'G' vii. MH 'G' to EX SAN MH viii. STUB 'G' to MH 'H' ix. MH 'H' to Ex SEWER	40.6 34.0 18.9 83.1 33.5 18.9 16.9 6.3 15.0	m m m m m m m m m		
2	Sanitary Sewer Laterals 100mm dia. PVC DR28 (GREEN) with Granular 'A' bedding and cover as per OPSD 1006.020, selected native material backfill including connection to main sewer, tees, expandable plug and marker post and risers where required, and extended to 1.5m inside the buildings with narrow excavation for future footing crossing.	28	ea		
3	Flush, Video Inspect, Air Test and Mandrel Test	267.2	m		
4	Precast Concrete Maintenance Holes Includes bituminous tape sealing of joints, including frame and cover, parging, benching, steps, Granular 'A' backfill, adjustment units and Kor-n-Seal assemblies. a) 1200 mm dia - OPSD 701.010 ii. MH 'A' +/- 2.8m approx. depth iii. MH 'B' +/- 3.4m approx. depth iv. MH 'C' +/- 3.3m approx. depth v. MH 'D' +/- 3.3m approx. depth vi. MH 'E' +/- 3.6m approx. depth vii. MH 'F' +/- 3.2m approx. depth viii. MH 'G' +/- 3.9m approx. depth viii. MH 'H' +/- 1.7m approx. depth	1 1 1 1 1 1 1 1 1	ea ea ea ea ea ea ea ea ea		
TOTAL SECTION 'C' - SANITARY					

ITEM NO.	DESCRIPTION	ESTIMATED QUANTITY	UNIT	UNIT PRICE	TOTAL PRICE
SECTION D - STORM SEWERS					
1	Storm Sewers Granular 'A' Bedding and Cover on PVC Sewer per OPSD 802.010 and OPSD 802.030 on concrete pipe with native cover, native material backfill				
	a) MH 1 to MH 2 - 900mm dia Conc CL65D	34.0	m		
	b) MH 2 to DCBMH 1 - 900mm dia Conc CL65D	55.8	m		
	c) DCBMH 1 to MH 3 - 900mm dia Conc CL65D	21.8	m		
	d) MH 3 to MH 4 - 900mm dia Conc CL65D	30.0	m		
	e) MH 2 to MH 6 - 900mm dia Conc CL65D	33.0	m		
	f) MH 6 to MH 5 - 900mm dia Conc CL65D	32.6	m		
	g) MH 6 to MH 4 - 900mm dia Conc CL65D	38.2	m		
	h) MH 4 to MH 100 - 900mm dia Conc CL65D	6.5	m		
	i) MH 100 to MH 7 - 900mm dia Conc CL65D	25.1	m		
	j) MH 7 to MH CBMH 8 - 200mm PVC Ribbed	19.4	m		
	k) CBMH 8 to HW - 250mm dia PVC Ribbed	1.5	m		
2	Sewer Laterals/Leads				
	a) Laterals (WHITE) - PVC DR28 Granular 'A' bedding and cover, selected native material backfill.				
	i. Single service - 100mm	12	ea		
	ii. Double service - 150mm, 150mm WYE, 150x100 Reducer, 100mm lateral	8	ea		
	b) CB Leads - PVC Ribbed - Granular 'A' bedding and cover				
	i. Single roadway 200mm Dia.	80.0	m		
	ii. Double roadway 250mm Dia. Yard CB leads	7.0	m		
	iii. 200mm dia	276.5	m		
	iv. 250mm dia	30.8	m		
3	Flush, Video Inspect and PVC Mandrel Test on Sewers and RYCB Leads	605.2	m		
4	Precast Concrete Maintenance Holes - Granular 'A' backfill, frame & grate per OPSD 401.010				
	a) 1200mm Dia. - OPSD 701.010				
	i. CBMH 8				
	b) 1500mm Dia. - OPSD 701.011				
	i. MH 1	1	ea		
	c) 1800mm Dia. - OPSD 701.012				
	i. DCBMH 1	1	ea		
	ii. MH 100 - Hydroguard HG6 or Approved Equal	1	ea.		
	iii. MH 7	1	ea		
	d) 2400mm Dia. - OPSD 701.013				
	i. MH 3	1	ea		
	ii. MH 4	1	ea		
	iii. MH 6	1	ea		
	iv. MH 5	1	ea		
	e) 3000mm Dia. - OPSD 701.014				
	i. MH 2	1	ea		

SCHEDULE OF QUANTITIES AND UNIT PRICES

ITEM NO.	DESCRIPTION	ESTIMATED QUANTITY	UNIT	UNIT PRICE	TOTAL PRICE
5	Precast Concrete Catchbasins - Granular 'A' backfill, frame & grates per OPSD 400.100 Granular 'A' backfill, frame & grates per OPSD 400.100				
	a) i. 600x600mm Single - OPSD 705.010 - Roadways	10	ea		
	ii. 600x600mm Single - OPSD 705.010 - Yard	11	ea		
	b) 600x1450mm Double - OPSD 705.020	3	ea		
6	Rear Yard Swales & Subdrain - pregrade less topsoil allowance and install subdrain and clear stone backfill, including connecting subdrain to CB's	410.0	m		
7	Concrete Headwall per OPSD 804.030 and grate per OPSD 804.040	1	ea		
8	Orifice Plate in STM MH '7' per detail on General Notes and Details	1	ea		
TOTAL SECTION 'D' - STORM					
SECTION 'E' - WATERMAINS					
1	Watermain Granular 'A' bedding and cover, selected native material backfill, including tracer wire, bends, tees, crosses, plugs, reducers, thrust blocks, sleeves, supports, and connections to existing watermain and full Granular 'A' backfill and asphalt restoration to Lakeshore Road.				
	a) 50mm Dia. - HDPE Series 160 or Municipex	107.5	m		
	b) 100mm Dia. - PVC	50.0	m		
	a) 150mm Dia. - PVC	130.5	m		
2	Valves - including valve box and tracer wire routing				
	a) 100mm dia.	1	ea		
	b) 150mm dia.	2	ea		
	c) Tapping Sleeve (250 x 150) and 150mm dia. Valve	2	ea		
3	Hydrant Sets Per OPSD 1105.010, including secondary valve and Hydrant Flow Testing	2	ea		
4	Water Services - Including main stop, curb stop and box				
	a) 25mm - HDPE Series 160	28	ea		
	b) 50mm - HDPE Series 160 with self draining curb stop	1	ea		
	c) Blowoff per OPSD 1104.030, 50mm - HDPE Series 160	2	ea		
9	Cathodic Protection of Watermains and Appurtenances				
	a) Type DZP 550-12 (all services, fittings, valves & plugs)	36	ea		
	b) Type DZP 1110-24 (each hydrant assembly, multiple fittings (up to 3)	2	ea		
10	Watermain Disinfection and Testing	1	L.S.		
11	Water Meter Chamber 1800mm dia. water meter chamber including spool piece, frame grate and meter wire conduit	1	ea		
TOTAL SECTION 'E' - WATERMAINS					
TOTAL SECTIONS 'A' - 'E' (PRIMARY SERVICES)					

ITEM NO.	DESCRIPTION	ESTIMATED QUANTITY	UNIT	UNIT PRICE	TOTAL PRICE
SECTION 'F' - FINAL ROADS					
1	Hot Mix Asphalt - HL3 top course asphalt, 40mm compacted depth, including sweeping, removal of catch basin fillets, padding, adjustment of MH frames, water valves and appurtenances. AC INDEX	3,000.0	m ²		
2	Concrete sidewalk - 125mm thickness, 100mm Granular 'A' base including, Canada Post pad, accessibility ramps.	325.0	m ²		
3	Concrete Waste Collection Pads a) Collection pads for Units 11 and 12 b) Earthbin waste container pad for apartment building c) Recycling container pad for apartment building	4.0 20.0 5.0	m ² m ² m ²		
4	Signage - including post a) Fire Route Sign b) Accessibility Sign c) Stop Sign d) Vistor Parking Area Sign	15 2 2 6	ea ea ea ea		
TOTAL SECTION 'F' - FINAL ROADS					
TOTAL SECTIONS 'A'- 'F'					