

ITEM	DESCRIPTION	UNIT	QUANTITY	UNIT PRICE	TOTAL PRICE
South Van Horne Housing Enabling Project					
1.0	Aboveground				
1.01	Asphalt Removal	m ²	11,750		
1.02	Clearing & Grubbing	LS	1		
1.03	Earth Excavation and Disposal	m ³	7,462		
1.04	Removal of Storm Pipes	m	255		
1.05	Removal of Storm Manholes and Catchbasins	ea	10		
1.06	Removal of Paving Stone Sidewalk	m ²	472		
1.07	Removal of Concrete Sidewalk	m ²	193		
1.08	Removal of Concrete Curb & Gutter	m	850		
1.09	150mm Granular A Base (Supply, Place and Compact)	t	6,300		
1.10	500mm Granular B, Type 1 Subbase (Supply, Place and Compact)	t	20,120		
1.11	Granular B, Type 1 Roadway Fill (Supply, Place and Compact)	t	4,400		
1.12	40 mm HL4 Asphalt Surface	m ²	15,900		
1.13	40 mm HL4 Asphalt Binder	m ²	15,900		
1.14	Granular A Driveway Reinstatement	m ²	22		
1.15	Crushed Rock Driveway Reinstatement	m ²	32		
1.16	Concrete Driveway Reinstatement	m ²	58		
1.17	50 mm HL4 Asphalt Driveway Reinstatement	m ²	96		
1.18	Concrete Driveway Removal	m ²	19		
1.19	Asphalt Driveway Removal	m ²	96		
1.20	Paving Stone Driveway Removal	m ²	39		
1.21	Class II Non-Woven Geotextile	m ²	13,070		
1.22	New Precast Concrete CB 600x600 (OPSD 705.010) c/w Curb Inlet Grate (OPSD 400.090)	ea	12		
1.23	New Precast Concrete Twin Inlet CB 600x1450 (OPSD 705.020) c/w Curb Inlet Grates (OPSD 400.090)	ea	4		
1.24	New Precast Concrete CB 600x600 (OPSD 705.010) c/w Flat Grate (OPSD 400.020)	ea	4		
1.25	New Precast Concrete Double Catchbasin Manhole (STM) 1500 mm (OPSD 701.012) c/w Curb Inlet Grate (OPSD 400.090)	ea	1		

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1.26	New Precast Concrete Catchbasin Manhole 1200 mm (OPSD 701.011) c/w Flat Grate (OPSD 400.020)	ea	6		
1.27	New Precast Concrete Manhole (OPSD 701.011) 1200 mm c/w Standard Cover	ea	4		
1.28	Reset Existing Catchbasin and Manhole Frame/Grate and Cover	ea	4		
1.29	900 mm FlowGuard Control Device	ea	1		
1.30	250 mm PVC Storm Pipe (c/w all fittings, excavation and restoration to the underside of Granular B)	m	80		
1.31	300 mm PVC Storm Pipe (c/w all fittings, excavation and restoration to the underside of Granular B)	m	109		
1.32	375 mm PVC Storm Pipe (c/w all fittings, excavation and restoration to the underside of Granular B)	m	82		
1.33	450 mm HDPE Storm Pipe (c/w all fittings, excavation and restoration to the underside of Granular B)	m	283		
1.34	525 mm HDPE Storm Pipe (c/w all fittings, excavation and restoration to the underside of Granular B)	m	46		
1.35	600 mm HDPE Storm Pipe (c/w all fittings, excavation and restoration to the underside of Granular B)	m	100		
1.36	675 mm HDPE Storm Pipe (c/w all fittings, excavation and restoration to the underside of Granular B)	m	98		
1.37	900 mm HDPE Boss 2000 Culvert (c/w all fittings, excavation and restoration to the underside of Granular B)	m	13		
1.38	525 mm HDPE Boss 2000 Culvert (c/w all fittings, excavation and restoration to the underside of Granular B)	m	24		
1.39	New 1.5 m Concrete Sidewalk (c/w 300mm Granular A)	m ²	1,320		
1.40	New Concrete Barrier Curb & Gutter (OPSD 600.040, c/w 300mm Granular A)	m	2,005		
1.41	New Concrete Mountable Curb & Gutter (OPSD 600.100, c/w 300mm Granular A)	m	72		
1.42	Pipe Subdrain, 150mm (OPSD 216.021)	m	2,250		
1.43	Tactile Plates (OPSD 310.039)	ea	7		
1.44	Pavement Markings – 10 cm yellow (CL & Hatching)	m	930		

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1.45	Pavement Markings - 10 cm solid Yellow	m	928		
1.46	Pavement Markings - 10 cm solid White	m	1,805		
1.47	Pavement Markings - 10 cm Dashed (1-1-1) White	m	102		
1.48	Pavement Markings - 300mm Durable Stop Block	m	39		
1.48A	Pavement Markings - Durable Crosswalk	m	53		
1.49	Reserved Bicycle Markings	ea	13		
1.50	New Signs	ea	22		
1.51	Sign Removal	ea	4		
1.52	Signs Relocation	ea	6		
1.53	R10 Rip-Rap c/w Class I Non-Woven Geotextile	m ²	845		
1.54	Erosion and Sediment Control	LS	1		
1.55	100mm Topsoil and Seed	m ²	5,900		
1.56	CCTV Inspection of Storm Sewer Mainlines	m	798		
1.57	Consultant's Site Office (PROVISIONAL)	LS	1		
SUB-TOTAL ABOVEGROUND					
2.0	Underground				
2.01	Rock Excavation	m ³	870		
2.02	Pipe Removal (Sanitary)	m	166		
2.03	Concrete Manhole Removal (Sanitary)	ea	5		
2.04	New Precast Concrete Sanitary Manhole (OPSD 701.011)	ea	11		
2.05	150 mm HDPE Sanitary Forcemain (c/w all fittings, connections, excavation and restoration to the underside of Granular B)	m	659		
2.06	200 mm PVC Sanitary Pipe (c/w all fittings and connections)	m	38		
2.07	250 mm PVC Sanitary Pipe (c/w all fittings and connections)	m	569		
2.08	Remove and Replace Existing Residential Sanitary Services to Property Line	ea	9		
2.08A	New 135mm Sanitary Service	ea	3		
2.08B	New 150mm Sanitary Service	ea	1		
2.09	Reset Existing Sanitary Manhole Frame and Grate	ea	3		
2.10	Watermain Pipe Removal	m	424		

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2.11	Valve Removal	ea	8		
2.12	Hydrant Assembly Removal (incl. valve)	ea	3		
2.13	150 mm PVC Watermain (c/w all bends, tees, chlorination points, connections, etc.)	m	120		
2.14	200 mm PVC Watermain (c/w all bends, tees, chlorination points, connections, etc.)	m	420		
2.15	300 mm PVC Watermain (c/w all bends, tees, chlorination points, connections, etc.)	m	664		
2.16	Remove and Replace Existing Residential Water Service to Property Line c/w Curb Stop	ea	9		
2.16A	New 20mm Water Service c/w Curb Stop	ea	3		
2.16B	New 50mm Water Service c/w Curb Stop	ea	1		
2.17	New Hydrant Assembly (c/w 150mm lead, gate valve and all fittings) OPSD 1105.010	ea	8		
2.18	Auto Flusher Assembly (c/w 25mm lead, outlet, curb stop, and all fittings)	ea	2		
2.19	150 mm Gate Valve	ea	3		
2.20	200 mm Gate Valve	ea	4		
2.21	300 mm Gate Valve	ea	7		
2.22	Watermain Lowering per COTB W-115	ea	2		
2.23	Temporary Potable Water Supply	LS	1		
2.24	CCTV Inspection of Sanitary Sewer Mainlines	m	607		
2.25	Crushed Stone for Pipe Trench	m3	25		
2.26	Excavator Rental Including Operator	Hrs	10		
2.27	ALLOWANCE - Support Existing Poles During Construction	LS	1		
2.28	ALLOWANCE - Excavation for Utility Relocation	LS	1		
2.29	Well Monitoring (PROVISIONAL)	ea	4		
Wastewater Lift Station					
2.30	Metal Fabrications (Access Hatches, Hand Hold, Ladder, etc.)	LS	1		
2.31	Substructure	LS	1		
2.32	Process Mechanical	LS	1		
2.33	Electrical	LS	1		

ITEM	DESCRIPTION	UNIT	QUANTITY	UNIT PRICE	TOTAL PRICE
2.34	Accessories	LS	1		
SUB-TOTAL UNDERGROUND					
SUMMARY					
TOTAL (EXCLUDING HST)					
13% HST					
TOTAL COSTS					