



**RAFAT STORAGE YARD
0 SIMPSON ROAD, CALEDON, ONTARIO**

ENGINEER'S ESTIMATE FOR SECURITIES

SECTION A	INTERNAL SITE WORKS	<u>\$483,793</u>	
SECTION B	EXTERNAL WORKS (Simpson Road Right-of-Way)	<u>\$26,145</u>	
TOTAL ESTIMATED VALUE:			<u>\$510,000</u>

Notes:

- 1) The above amounts do not include H.S.T.
- 2) This estimate is provided for the purpose of establishing financial securities and includes all permanent works, internal and external to the site.
- 3) Cost of permits, review fees, and any other financial requirements as may be imposed by the external agencies have not been included in this estimate. Engineering fees not included.



SECTION A - INTERNAL SITE WORKS (0 Simpson Road)

ITEM	DESCRIPTION	QUANTITY	UNIT	UNIT PRICE (\$)	TOTAL (\$)
Site Preparation					
A-1	Clearing of site.	1	L.S.	\$10,000.00	\$10,000.00
A-2	Removal of excess fill material.	4,935	CU.M.	\$3.00	\$14,805.00
A-3	Relocation of existing stone retaining wall.	165	L.M.	\$8.00	\$1,320.00
A-4	Relocation of existing 1.8m high privacy fence.	165	L.M.	\$7.00	\$1,155.00
Storm Servicing					
A-5	250mm PVC storm pipe	60	L.M.	\$200.00	\$12,000.00
A-6	375mm PVC storm pipe	3	L.M.	\$225.00	\$675.00
A-7	450mm PVC storm pipe	134	L.M.	\$250.00	\$33,500.00
A-8	200mm orifice tube (including 450mm to 200mm reducer)	1	L.M.	\$450.00	\$450.00
A-9	Catch basin including concrete apron	4	EACH	\$3,200.00	\$12,800.00
A-10	Manhole or CB Manhole including grate or cover (1200mm)	3	EACH	\$3,000.00	\$9,000.00
A-11	Stormwater Storage Chamber (243m3)	1	EACH	\$44,000.00	\$44,000.00
Roadworks (Parking Area)					
A-12	Supply, placement and compaction of the following:				
	(a) 450mm depth of 50mm crusher-run limestone	8,125	SQ.M.	\$26.00	\$211,250.00
	(b) 150mm depth of 20mm crusher-run limestone	8,125	SQ.M.	\$12.00	\$97,500.00
Roadworks (Entrance)					
A-13	Supply, placement and compaction of the following:				
	(a) 300mm thickness of Granular B (or crusher-run equivalent)	102	SQ.M.	\$20.00	\$2,040.00
	(b) 150mm thickness of Granular A (or crusher-run equivalent)	102	SQ.M.	\$12.00	\$1,224.00
	(c) 50mm thickness of HL8 binder course asphalt	102	SQ.M.	\$10.00	\$1,020.00
	(d) 40mm thickness of HL3 surface course asphalt	102	SQ.M.	\$8.00	\$816.00
A-14	Barrier Curb including formwork and placement	48	L.M.	\$150.00	\$7,200.00
SUBTOTAL					\$460,755.00
+5% CONTINGENCIES					\$23,037.75
TOTAL CARRIED FORWARD TO SUMMARY					\$483,792.75

SECTION A - EXTERNAL SITE WORKS (0 Simpson Road)

ITEM	DESCRIPTION	QUANTITY	UNIT	UNIT PRICE (\$)	TOTAL (\$)
Site Preparation					
B-1	Clearing of site.	1	L.S.	\$700.00	\$700.00
B-2	Removal of excess fill material.	70	CU.M.	\$10.00	\$700.00
Storm Servicing					
B-3	450mm PVC storm pipe	21	L.M.	\$500.00	\$10,600.00
B-4	Breaking into existing 2400mm manhole to establish connection including all restoration.	1	L.S.	\$2,500.00	\$2,500.00
Roadworks (Entrance)					
B-5	Supply, placement and compaction of the following:				
	(a) 300mm thickness of Granular B (or crusher-run equivalent)	120	SQ.M.	\$20.00	\$2,400.00
	(b) 150mm thickness of Granular A (or crusher-run equivalent)	120	SQ.M.	\$12.00	\$1,440.00
	(c) 50mm thickness of HL8 binder course asphalt	120	SQ.M.	\$10.00	\$1,200.00
	(d) 40mm thickness of HL3 surface course asphalt	120	SQ.M.	\$8.00	\$960.00
B-6	Barrier Curb including formwork and placement	22	L.M.	\$200.00	\$4,400.00
B-7	Depressed curb including formwork and placement	30	L.M.	\$200.00	\$6,000.00
Miscellaneous					
B-8	Stop sign	1	EACH	\$300.00	\$300.00

SUBTOTAL	\$24,900.00
+5% CONTINGENCIES	\$1,245.00
TOTAL CARRIED FORWARD TO SUMMARY	\$26,145.00