# <u>APPENDIX M</u>

Cost Estimate

**Detailed Costing Spreadsheets** 

# Waterdown Road, Mountain Brow Road, Mid-Block Road

ROAD NAME:	Waterdown	Road - 4 Lane Imp. Type: 41	U-NC & 4U-RC
From:	Craven Avenue	To: Flatt Road	
Road Length (m):	560	ROW Width (m):	30
Number of Lanes:	4	Lane Width (m):	3.3
Flush Median Width (m):	0	Raised Median Width (m):	0
ASSUMED FULL DEPTH RECOM	NSTRUCTION OF WATERD	OWN ROAD SINCE GEOTECH INVESTIGATIO	N NOT COMPLETE AT THIS TIME
<b>CROSS-SECTION FOR LEFT</b>	SIDE:	CROSS-SECTION FOR RIGH	IT SIDE:
Cross-Section (Rural/Urban):	URBAN	Cross-Section (Rural/Urban):	URBAN
Paved Road Width (m):	6.6	Paved Road Width (m):	6.6
Paved Shoulder Width (m):	0	Paved Shoulder Width (m):	0
Granular Shoulder Width (m):	0	Granular Shoulder Width (m):	0
Sidewalk Width (m):	0	Sidewalk Width (m):	0
Bike Path Width (m):	0	Bike Path Width (m):	0
Street Lighting (Y/N):	Y	Street Lighting (Y/N):	Y

No.	Item	Unit	Estimated Quantity	Unit Price	Total
	ROADWORKS & DRAINAGE	2	4200	¢6 50	¢27 200 00
	Remove Ex. Asphalt (Full Depth) Concrete Splash Pad (0.3 m width, 150 mm depth)	m <sup>2</sup>	4200	\$6.50 \$50.00	\$27,300.00 \$0.00
	150 mm Subdrain	m <sup>2</sup>	1120	\$30.00	\$0.00
	Entrance Modifications/Regrading	L.S.	3	\$20.00	\$29,200.00
	Earth Excavation	m <sup>3</sup>	5984	\$15.00	\$89,800.00
	Granular A (150 mm depth)	tonnes	3039	\$22.00	\$66,900.00
	Granular B (450 mm depth)	tonnes	7356	\$19.00	\$139,800.00
9	Surface Course Asphalt (40 mm depth)	tonnes	820	\$90.00	\$73,800.00
	Base Course Asphalt (90 mm depth)	tonnes	1845	\$81.00	\$149,500.00
	Concrete Curb and Gutter (All types)	m	1120	\$55.00	\$61,600.00
13	Sod c/w 100 mm Topsoil	m <sup>2</sup>	3958	\$6.50	\$25,800.00
14	Seeding c/w 100 mm Topsoil	m²	0	\$5.00	\$0.00
	300 mm Storm Sewer Laterals	m	160	\$250.00	\$40,000.00
	375 - 600 mm Storm Sewer	m	560	\$375.00	\$210,000.00
	Single Catchbasins	ea.	24	\$2,000.00	\$48,000.00
24	Storm Maintenance Holes/MHCBs	ea.	6	\$4,700.00	\$28,200.00
	SWM Pond	LS	1	\$100,000.00	\$100,000.00
36	Minor Roadworks & Drainage Items			15.0%	\$155,300.00
	Subtotal Roadworks & Drainage				\$1,290,200.00
	STRUCTURES	2	520	00.0053	¢264.000.00
44A	Retaining Walls (RSS) Subtotal Structures	m²	520	\$700.00	\$364,000.00 \$ <b>364,000.00</b>
	Subtotal Structures				\$364,000.00
С	LANDSCAPING/MITIGATION				
	Landscaping Component	LS	1	\$238,090.00	\$238,090.00
46	Mitigation and Compensation for ESA Vegetation Removal	m2	7800	\$15.00	\$117,000.00
	Subtotal Landscaping/Mitigation				\$355,090.00
D	ELECTRICAL				
47	Traffic Signalization (per intersection)	ea.		\$200,000.00	\$0.00
	Modifications to Ex. Traffic Signalization (per intersection)	ea.	0	\$120,000.00	\$0.00
49	Street Lighting (per pole)	ea.	22.4	\$5,000.00	\$112,000.00
	Subtotal Electrical				\$112,000.00
	PROPERTY				
50	Existing Residential Lands	acre	0.00	\$750,000.00	\$0.00
	Vacant Lands	acre	0.00	\$600,000.00	\$0.00
	Flood Plain Lands	acre	0.00	\$10,000.00	\$0.00
	Agricultural Lands	acre	0.00	\$125,000.00	\$0.00
	Total Acquisitions	acre	0.40	\$750,000.00	\$300,000.00
	Subtotal Property				\$300,000.00
	MISCILLANEOUS/SPECIAL REQUIREMENTS		1 1		
	Asphalt Path	m <sup>2</sup>	2085	\$53.00	\$110,600.00
57	Concrete Sidewalk	m <sup>2</sup>	61	\$60.00	\$3,700.00
	Subtotal Miscillaneous/Special Requirements				\$114,300.00
	UTILITIES & SERVICES		1		
	Bell	L.S.	1	N/A	N/A
	Hydro	L.S.	1	N/A	N/A
	Gas Cable	L.S. L.S.	1	N/A N/A	N/A N/A
	Oil Pipelines	L.S. L.S.	1	N/A N/A	N/A
	Hydro One	L.S. L.S.	1	N/A N/A	N/A
	Utility Pole (minor)	ea.	0	\$2,000.00	\$0.00
	Utility Pole (major)	ea.	0	\$5,000.00	\$0.00
	Subtotal Utilities (allowance)	oui	1 9	\$0,000100	\$111,800.00
Н	CONTINGENCY				
	Subtotal All Items (excluding Property)				\$2,347,400.00
	Contingency 10%				\$234,800.00
_					,
1	ENGINEERING				<b>MO 0 17 100 55</b>
	Subtotal All Items (excluding Property)				\$2,347,400.00
	Engineering 10%				\$234,800.00
J	TOTAL ESTIMATED COST (excluding GST)				\$3,117,000.00

ROAD NAME:	Waterdov	wn Road - 4 Lane	Imp. Type:	4U-NC & 4U-RC		
From:	Flatt Road	To:	North of Pale	tta Development		
Road Length (m):	720	ROW Wid	dth (m):		30	
Number of Lanes:	4	Lane Wid	lth (m):		3.3	
Flush Median Width (m):	0	Raised M	Raised Median Width (m):			
ASSUMED FULL DEPTH RECONS	STRUCTION OF WATERE	DOWN ROAD SINCE GEOTI	ECH INVESTIGATI	ON NOT COMPLETE AT T	HIS TIME	
CROSS-SECTION FOR LEFT	SIDE:	CROSS-	SECTION FOR F	RIGHT SIDE:		
Cross-Section (Rural/Urban):	URBAN	Cross-Se	ction (Rural/Urba	ın):	URBAN	
Paved Road Width (m):	6.6	Paved Ro	oad Width (m):		6.6	
Paved Shoulder Width (m):	0	Paved Sh	noulder Width (m)	:	0	
Granular Shoulder Width (m):	0	Granular	Shoulder Width (	m):	0	
Sidewalk Width (m):	0	Sidewalk	Width (m):		0	
Bike Path Width (m):	0	Bike Path	n Width (m):		0	
Street Lighting (Y/N):	Y	Street Lig	hting (Y/N):		Y	

No.	Item	Unit	Estimated Quantity	Unit Price	Total
Α	ROADWORKS & DRAINAGE	-			
	Remove Ex. Asphalt (Full Depth)	m²	5400	\$6.50	\$35,100.00
	Concrete Splash Pad (0.3 m width, 150 mm depth)	m²		\$50.00	\$0.00
	150 mm Subdrain	m	1440	\$26.00	\$37,500.00
35	Entrance Modifications/Regrading	L.S.	0	\$15,000.00	\$0.00
	Earth Excavation	m <sup>3</sup>	7011	\$15.00	\$105,200.00
	Granular A (150 mm depth)	tonnes	3574	\$22.00	\$78,700.00
	Granular B (450 mm depth) Surface Course Asphalt (40 mm depth)	tonnes	8683 962	\$19.00 \$90.00	\$165,000.00 \$86,600.00
	Base Course Asphalt (90 mm depth)	tonnes tonnes	2164	\$90.00	\$175,300.00
	Concrete Curb and Gutter (All types)	m	1440	\$55.00	\$79,200.00
	Sod c/w 100 mm Topsoil	m <sup>2</sup>	9369	\$6.50	\$60,900.00
	Seeding c/w 100 mm Topsoil	m <sup>2</sup>	0	\$5.00	\$0.00
	300 mm Storm Sewer Laterals	m	198	\$250.00	\$49,500.00
	375 - 600 mm Storm Sewer	m	720	\$375.00	\$270,000.00
	Single Catchbasins	ea.	30	\$2,000.00	\$60,000.00
	Storm Maintenance Holes/MHCBs	ea.	8	\$4,700.00	\$37,600.00
	Minor Roadworks & Drainage Items			15.0%	\$186,100.00
	Subtotal Roadworks & Drainage				\$1,426,700.00
В	STRUCTURES				
44A	Retaining Walls (RSS)	m <sup>2</sup>		\$700.00	\$0.00
	Subtotal Structures	1	· ·		\$0.00
С	LANDSCAPING/MITIGATION				
45	Landscaping Component	LS	1	\$306,116.00	\$306,116.00
46	Mitigation and Compensation for Watercourse Crossings	m	0	\$1,000.00	\$0.00
	Subtotal Landscaping/Mitigation				\$306,116.00
D	ELECTRICAL				
47	Traffic Signalization (per intersection)	ea.		\$200,000.00	\$0.00
	Modifications to Ex. Traffic Signalization (per intersection)	ea.	0	\$120,000.00	\$0.00
49	Street Lighting (per pole)	ea.	28.8	\$5,000.00	\$144,000.00
	Subtotal Electrical				\$144,000.00
-	PROPERTY				
E 50	PROPERTY Existing Residential Lands	ooro	0.16	\$750,000.00	\$120,500.00
	Vacant Lands	acre	0.10	\$600,000.00	\$120,500.00
	Flood Plain Lands	acre	0.00	\$10,000.00	\$0.00
	Agricultural Lands	acre	0.00	\$125,000.00	\$0.00
55	Eagle Heights Development Lands	acre	1.00	\$650,000.00	\$650,000.00
	Subtotal Property			<i></i>	\$770,500.00
					<i><i><i></i></i></i>
F	MISCILLANEOUS/SPECIAL REQUIREMENTS				
56	Asphalt Path	m <sup>2</sup>	2880	\$53.00	\$152,700.00
57	Concrete Sidewalk	m <sup>2</sup>	815	\$60.00	\$48,900.00
	Subtotal Miscillaneous/Special Requirements		1		\$201,600.00
					,
G	UTILITIES & SERVICES				
	Bell	L.S.	1	N/A	N/A
	Hydro	L.S.	1	N/A	N/A
	Gas	L.S.	1	N/A	N/A
	Cable	L.S.	1	N/A	N/A
	Oil Pipelines	L.S.	1	N/A	N/A
	Hydro One	L.S.	1	N/A	N/A
	Utility Pole (minor)	ea.	0	\$2,000.00	\$0.00
55	Utility Pole (major)	ea.	0	\$5,000.00	\$0.00
	Subtotal Utilities (allowance)				\$104,000.00
Н	CONTINGENCY				
п	Subtotal All Items (excluding Property)				\$2,182,500.00
	Contingency 10%				\$2,182,500.00 \$ <b>218,300.00</b>
					φ <b>∠16,300.00</b>
1	ENGINEERING				
<u> </u>	Subtotal All Items (excluding Property)				\$2,182,500.00
	Engineering 10%				\$218,300.00
					<i>₩</i> 210,000.00
J	TOTAL ESTIMATED COST (excluding GST)				\$3,389,600.00
	· · · · · · · · · · · · · · · · · · ·				

ROAD NAME:	Waterdown Road - 4 La	ne	Imp. Type:	4U-NC & 4U-RC	
From:	North of Paletta Development	To:	Burlington Cit	ty Limits	
Road Length (m):	900	ROW Wid	dth (m):		30
Number of Lanes:	4	Lane Wid	lth (m):		3.3
Flush Median Width (m):	0	Raised M	ledian Width (m)	:	0
ASSUMED FULL DEPTH RECON	STRUCTION OF WATERDOWN ROAD	SINCE GEO	DTECH INVESTIG	ATION NOT COMPLE	ETE AT THIS TIME
CROSS-SECTION FOR LEFT	SIDE:	CROSS-	SECTION FOR	RIGHT SIDE:	
Cross-Section (Rural/Urban):	URBAN	Cross-Se	ction (Rural/Urb	an):	URBAN
Paved Road Width (m):	6.6	Paved Ro	oad Width (m):		6.6
Paved Shoulder Width (m):	0	Paved Sh	noulder Width (m	ı):	0
Granular Shoulder Width (m):	0	Granular	Shoulder Width	(m):	0
Sidewalk Width (m):	0	Sidewalk	Width (m):		0
Bike Path Width (m):	0	Bike Path	n Width (m):		0
Street Lighting (Y/N):	Y	Street Lig	ghting (Y/N):		Y

2 Remove Ex. 11 Concrete Sp 21 150 mm Sul 35 Entrance Me 4 Earth Excav 6 Granular A 7 Granular B 9 Surface Cours 12 Concrete Co 13 Sod c/w 100 14 Seeding c/w 17 300 mm Sto 18 375 - 600 m 22 Single Catcl	difications/Regrading ation 150 mm depth) 450 mm depth) rse Asphalt (40 mm depth) e Asphalt (90 mm depth) rb and Gutter (All types) mm Topsoil 100 mm Topsoil rm Sewer Laterals m Storm Sewer	m²           m²           m           L.S.           m³           tonnes           tonnes           tonnes           tonnes           tonnes           mn           m²           m²           m²           m²           m²           m           m²           m	6750 1800 24 11797 4418 10738 1188 2674 1800 9189	\$6.50 \$50.00 \$26.00 \$15,000.00 \$15.00 \$22.00 \$19.00 \$90.00 \$81.00 \$55.00	\$43,900.00 \$0.00 \$46,800.00 \$360,000.00 \$177,000.00 \$97,200.00 \$204,100.00 \$107,000.00 \$216,600.00
11       Concrete Sp         21       150 mm Sui         35       Entrance Ma         4       Earth Excav         6       Granular A         7       Granular A         9       Surface Cours         10       Base Cours         12       Concrete Cu         13       Sod c/w 100         14       Seeding c/w         17       300 mm Sto         18       375 - 600 m         22       Single Catcl         24       Storm Maint         36       Minor Roade	lash Pad (0.3 m width, 150 mm depth) odrain diffications/Regrading ation 150 mm depth) 450 mm depth) rse Asphalt (40 mm depth) e Asphalt (90 mm depth) rb and Gutter (All types) mm Topsoil 100 mm Topsoil rm Sewer Laterals m Storm Sewer abasins	m <sup>2</sup> m L.S. m <sup>3</sup> tonnes tonnes tonnes tonnes m m <sup>2</sup> m <sup>2</sup> m <sup>2</sup>	1800 24 11797 4418 10738 1188 2674 1800	\$50.00 \$26.00 \$15,000.00 \$15.00 \$22.00 \$19.00 \$90.00 \$81.00	\$0.00 \$46,800.00 \$360,000.00 \$177,000.00 \$97,200.00 \$204,100.00 \$107,000.00
21150 mm Sui35Entrance Mo4Earth Excav6Granular A7Granular B9Surface Cours10Base Cours12Concrete Cu13Sod c/w 10014Seeding c/w17300 mm Sto18375 - 600 m22Single Catcl24Storm Maint36Minor Road	drain difications/Regrading ation 150 mm depth) 450 mm depth) rse Asphalt (40 mm depth) e Asphalt (90 mm depth) rb and Gutter (All types) mm Topsoil 100 mm Topsoil rm Sewer Laterals m Storm Sewer abasins	m L.S. m <sup>3</sup> tonnes tonnes tonnes tonnes m m <sup>2</sup> m <sup>2</sup>	24 11797 4418 10738 1188 2674 1800	\$26.00 \$15,000.00 \$15.00 \$22.00 \$19.00 \$90.00 \$81.00	\$46,800.00 \$360,000.00 \$177,000.00 \$97,200.00 \$204,100.00 \$107,000.00
35       Entrance Me         4       Earth Excav         6       Granular A         7       Granular B         9       Surface Cours         10       Base Cours         12       Concrete Cu         13       Sod c/w 100         14       Seeding c/w         17       300 mm Sto         18       375 - 600 m         22       Single Catcl         24       Storm Maint         36       Minor Roade	difications/Regrading ation 150 mm depth) 450 mm depth) rse Asphalt (40 mm depth) e Asphalt (90 mm depth) rb and Gutter (All types) mm Topsoil 100 mm Topsoil rm Sewer Laterals m Storm Sewer abasins	L.S. m <sup>3</sup> tonnes tonnes tonnes tonnes m m <sup>2</sup> m <sup>2</sup>	24 11797 4418 10738 1188 2674 1800	\$15,000.00 \$15.00 \$22.00 \$19.00 \$90.00 \$81.00	\$360,000.00 \$177,000.00 \$97,200.00 \$204,100.00 \$107,000.00
4 Earth Excav 6 Granular A ( 7 Granular B ( 9 Surface Cours) 10 Base Cours) 12 Concrete Cu 13 Sod c/w 100 14 Seeding c/w 17 300 mm Sto 18 375 - 600 m 22 Single Catcl 24 Storm Maint 36 Minor Road	ation 150 mm depth) 450 mm depth) rse Asphalt (40 mm depth) e Asphalt (90 mm depth) rb and Gutter (All types) mm Topsoil 100 mm Topsoil rm Sewer Laterals m Storm Sewer abasins	m <sup>3</sup> tonnes tonnes tonnes m m <sup>2</sup> m <sup>2</sup>	11797 4418 10738 1188 2674 1800	\$15.00 \$22.00 \$19.00 \$90.00 \$81.00	\$177,000.00 \$97,200.00 \$204,100.00 \$107,000.00
6 Granular A 7 Granular B 9 Surface Cours 10 Base Cours 12 Concrete Cu 13 Sod c/w 100 14 Seeding c/w 17 300 mm Sto 18 375 - 600 m 22 Single Catcl 24 Storm Maint 36 Minor Road	150 mm depth) 450 mm depth) rse Asphalt (40 mm depth) e Asphalt (90 mm depth) rb and Gutter (All types) mm Topsoil 100 mm Topsoil rm Sewer Laterals m Storm Sewer abasins	tonnes tonnes tonnes m m <sup>2</sup> m <sup>2</sup>	4418 10738 1188 2674 1800	\$22.00 \$19.00 \$90.00 \$81.00	\$97,200.00 \$204,100.00 \$107,000.00
7 Granular B ( 9 Surface Cours) 10 Base Cours) 12 Concrete Cu 13 Sod c/w 100 14 Seeding c/w 17 300 mm Sto 18 375 - 600 m 22 Single Catcl 24 Storm Maint 36 Minor Road	450 mm depth) rse Asphalt (40 mm depth) e Asphalt (90 mm depth) rb and Gutter (All types) mm Topsoil 100 mm Topsoil rm Sewer Laterals m Storm Sewer abasins	tonnes tonnes tonnes m m <sup>2</sup> m <sup>2</sup>	10738 1188 2674 1800	\$19.00 \$90.00 \$81.00	\$204,100.00 \$107,000.00
9         Surface Cours           10         Base Cours           12         Concrete Cu           13         Sod c/w 100           14         Seeding c/w           17         300 mm Sto           18         375 - 600 m           22         Single Catcl           24         Storm Maint           36         Minor Road	rse Asphalt (40 mm depth) e Asphalt (90 mm depth) rb and Gutter (All types) mm Topsoil 100 mm Topsoil rm Sewer Laterals m Storm Sewer ubasins	tonnes tonnes m m <sup>2</sup> m <sup>2</sup>	1188 2674 1800	\$90.00 \$81.00	\$107,000.00
10         Base Cours           12         Concrete Cu           13         Sod c/w 100           14         Seeding c/w           17         300 mm Sto           18         375 - 600 m           22         Single Catcl           24         Storm Maint           36         Minor Road           Subtotal Ro	e Asphalt (90 mm depth) Irb and Gutter (All types) mm Topsoil 100 mm Topsoil Irm Sewer Laterals m Storm Sewer Ibasins	m m <sup>2</sup> m <sup>2</sup>	1800		\$216,600,00
13         Sod c/w 100           14         Seeding c/w           17         300 mm Sto           18         375 - 600 m           22         Single Catcl           24         Storm Maint           36         Minor Road           Subtotal Ref         Subtotal Ref	mm Topsoil 100 mm Topsoil rm Sewer Laterals m Storm Sewer ibasins	m <sup>2</sup> m <sup>2</sup>		\$55.00	
14         Seeding c/w           17         300 mm Sto           18         375 - 600 m           22         Single Catcl           24         Storm Maint           36         Minor Road           Subtotal Ro	100 mm Topsoil rm Sewer Laterals m Storm Sewer ibasins	m <sup>2</sup>	9189		\$99,000.00
17 300 mm Sto 18 375 - 600 m 22 Single Catcl 24 Storm Maint 36 Minor Road Subtotal Ro	rm Sewer Laterals n Storm Sewer basins			\$6.50	\$59,800.00
18 375 - 600 m 22 Single Catcl 24 Storm Maint 36 Minor Road Subtotal Ro	m Storm Sewer Ibasins		0	\$5.00	\$0.00
22 Single Catcl 24 Storm Maint 36 Minor Road Subtotal Ro	basins		238	\$250.00	\$59,500.00
24 Storm Maint 36 Minor Road Subtotal Ro		m	900	\$375.00	\$337,500.00
36 Minor Road Subtotal Ro	enance Holes/MHCBs	ea.	36	\$2,000.00	\$72,000.00
Subtotal Ro		ea.	9	\$4,700.00	\$42,300.00
				15.0%	\$288,500.00
B STRUCTUR	adworks & Drainage				\$2,211,200.00
		2	1		
44A Retaining W		m <sup>2</sup>		\$700.00	\$0.00
Subtotal St	ructures				\$0.00
C LANDSCAF	ING/MITIGATION				
45 Landscaping	Component	LS	1	\$382,644.00	\$382,644.00
46 Mitigation ar	d Compensation for Watercourse Crossings	m	0	\$1,000.00	\$0.00
Subtotal La	ndscaping/Mitigation				\$382,644.00
D ELECTRIC	AL.				
	lization (per intersection)	ea.		\$200,000.00	\$0.00
48 Modification	s to Ex. Traffic Signalization (per intersection)	ea.	0	\$120,000.00	\$0.00
49 Street Lighti	ng (per pole)	ea.	36	\$5,000.00	\$180,000.00
Subtotal El	ectrical				\$180,000.00
E PROPERTY	,				
50 Existing Res	idential Lands	acre	1.03	\$750,000.00	\$775,100.00
51 Vacant Land	S	acre	0.00	\$600,000.00	\$0.00
52 Flood Plain		acre	0.00	\$10,000.00	\$0.00
53 Agricultural		acre	0.00	\$125,000.00	\$0.00
54 Total Acquis		acre	0.60	\$750,000.00	\$450,000.00
	lown Road Access Arrangement	LS	1.00	\$300,000.00	\$300,000.00
Subtotal Pr	operty				\$1,525,100.00
	EOUS/SPECIAL REQUIREMENTS				
F Asphalt Path		m <sup>2</sup>	3231	\$53.00	\$171,300.00
56 Concrete Si	dewalk	m <sup>2</sup>		\$60.00	\$0.00
57 Subtotal M	scillaneous/Special Requirements				\$171,300.00
UTILITIES	SERVICES				
G Bell		L.S.	1	N/A	N/A
1 Hydro		L.S.	1	N/A	N/A
2 Gas		L.S.	1	N/A	N/A
3 Cable		L.S.	1	N/A	N/A
4 Oil Pipelines		L.S.	1	N/A	N/A
5 Hydro One		L.S.	1	N/A	N/A
6 Utility Pole ( 1 Utility Pole (		ea.	0	\$10,000.00 \$6.50	\$0.00 \$0.00
	ilities (allowance)	ea.	0	\$ <del>0</del> .50	\$0.00 \$147,300.00
CONTINGE H Subtotal All	NCY Items (excluding Property)				\$3,092,500.00
Contingend					\$3,092,500.00 \$ <b>309,300.00</b>
	•				
ENGINEER	ING (excluding Property)				\$3,092,500.00
Engineerin					\$3,092,500.00 \$309,300.00
	IMATED COST (excluding GST)				\$5,236,200.00

From:	DNAME: Waterdown Road - 4 La	ane	Imp. Type: 4	U-NC & 4U-RC	
Dood	Burlington City Limits	To:	Mountain Brow R	d (Inc. intersection)	
	Length (m): 280	ROW Widt			30
	er of Lanes: 4 Median Width (m): 0	Lane Widt	n (m): edian Width (m):		3.3
	MED FULL DEPTH RECONSTRUCTION OF WATERDOWN ROAD			N NOT COMPLETE	
	SS-SECTION FOR LEFT SIDE:		ECTION FOR RIG		
	-Section (Rural/Urban): URBAN		tion (Rural/Urban)		URBAN
	I Road Width (m):         6.6           Shoulder Width (m):         0		ad Width (m): oulder Width (m):		6.6
	d Shoulder Width (m): 0 Ilar Shoulder Width (m): 0		Shoulder Width (m):		(
	valk Width (m): 0	Sidewalk V		•	(
Bike F	Path Width (m): 0	Bike Path	Width (m):		(
Street	: Lighting (Y/N): Y	Street Ligh	nting (Y/N):		۱
No.	ltem	Unit	Estimated Quantity	Unit Price	Total
A	ROADWORKS & DRAINAGE			<b>A a a a</b>	<b>*</b> ***
	Remove Ex. Asphalt (Full Depth) Concrete Splash Pad (0.3 m width, 150 mm depth)	m <sup>2</sup>	4375	\$6.50	\$28,500.00
	150 mm Subdrain	m² m	560	\$50.00 \$26.00	\$0.00 \$14,600.00
	Entrance Modifications/Regrading	L.S.	4	\$15.000.00	\$60,000.00
	Earth Excavation	m <sup>3</sup>	4888	\$15.00	\$73,400.00
6	Granular A (150 mm depth)	tonnes	1083	\$22.00	\$23,900.00
7	Granular B (450 mm depth)	tonnes	2633	\$19.00	\$50,100.00
	Surface Course Asphalt (40 mm depth)	tonnes	291	\$90.00	\$26,200.00
	Base Course Asphalt (90 mm depth)	tonnes	654 560	\$81.00 \$55.00	\$53,000.00
	Concrete Curb and Gutter (All types)	m m <sup>2</sup>	560 1377	\$55.00 \$6.50	\$30,800.00 \$9,000.00
	Seeding c/w 100 mm Topsoil	m <sup>2</sup>	0	\$5.00	\$9,000.00
	300 mm Storm Sewer Laterals	m	80	\$250.00	\$20,000.00
	375 - 600 mm Storm Sewer	m	280	\$375.00	\$105,000.00
22	Single Catchbasins	ea.	12	\$2,000.00	\$24,000.00
	Storm Maintenance Holes/MHCBs	ea.	3	\$4,700.00	\$14,100.00
36	Minor Roadworks & Drainage Items			15.0%	\$79,900.00
	Subtotal Roadworks & Drainage				\$612,500.00
В	STRUCTURES				
14A	Retaining Walls (RSS)	m <sup>2</sup>	260	\$700.00	\$182,000.00
	Subtotal Structures	1		<i></i>	\$182,000.00
					<i>,,</i>
С	LANDSCAPING/MITIGATION				
45	Landscaping Component	LS	1	\$119,050.00	\$119,050.00
46	Mitigation and Compensation for Watercourse Crossings	m	0	\$1,000.00	\$0.00
	Subtotal Landscaping/Mitigation				\$119,050.00
D	ELECTRICAL				
	Traffic Signalization (per intersection)	ea.	1	\$200,000.00	\$200,000.00
	Modifications to Ex. Traffic Signalization (per intersection)	ea.	0	\$120,000.00	\$0.00
			0		
43	Street Lighting (per pole)	ea.	11.2	\$5,000.00	\$56,000.00
43	Street Lighting (per pole) Subtotal Electrical		-	\$5,000.00	\$56,000.00 <b>\$256,000.00</b>
	Subtotal Electrical		-	\$5,000.00	
E	Subtotal Electrical PROPERTY	ea.	11.2		\$256,000.00
<b>E</b> 50	Subtotal Electrical PROPERTY Existing Residential Lands	ea. acre	0.15	\$750,000.00	<b>\$256,000.00</b> \$114,200.00
E 50 51	Subtotal Electrical PROPERTY Existing Residential Lands Vacant Lands	ea. acre acre	0.15	\$750,000.00 \$600,000.00	\$256,000.00 \$114,200.00 \$0.00
<b>E</b> 50 51 52	Subtotal Electrical PROPERTY Existing Residential Lands	ea. acre	0.15	\$750,000.00	<b>\$256,000.00</b> \$114,200.00
E 50 51 52	Subtotal Electrical PROPERTY Existing Residential Lands Vacant Lands Flood Plain Lands	ea. acre acre acre	0.15 0.00 0.00	\$750,000.00 \$600,000.00 \$10,000.00	\$256,000.00 \$114,200.00 \$0.00 \$0.00
E 50 51 52 53	Subtotal Electrical PROPERTY Existing Residential Lands Vacant Lands Flood Plain Lands Agricultural Lands Subtotal Property	ea. acre acre acre	0.15 0.00 0.00	\$750,000.00 \$600,000.00 \$10,000.00	\$256,000.00 \$114,200.00 \$0.00 \$0.00 \$0.00 \$0.00
E 50 51 52 53 F	Subtotal Electrical PROPERTY Existing Residential Lands Vacant Lands Flood Plain Lands Agricultural Lands Subtotal Property MISCILLANEOUS/SPECIAL REQUIREMENTS	ea.	0.15 0.00 0.00 0.00	\$750,000.00 \$600,000.00 \$10,000.00 \$125,000.00	\$256,000.00 \$114,200.00 \$0.00 \$0.00 \$0.00 \$114,200.00
E 50 51 52 53 F 56	Subtotal Electrical PROPERTY Existing Residential Lands Vacant Lands Flood Plain Lands Agricultural Lands Subtotal Property MISCILLANEOUS/SPECIAL REQUIREMENTS Asphalt Path	ea.	0.15 0.00 0.00	\$750,000.00 \$600,000.00 \$10,000.00 \$125,000.00 \$125,000.00 \$125,000.00 \$125,000.00	\$256,000.00 \$114,200.00 \$0.00 \$0.00 \$114,200.00 \$114,200.00 \$32,700.00
E 50 51 52 53 F 56	Subtotal Electrical PROPERTY Existing Residential Lands Vacant Lands Flood Plain Lands Agricultural Lands Subtotal Property MISCILLANEOUS/SPECIAL REQUIREMENTS Asphalt Path Concrete Sidewalk	ea.	0.15 0.00 0.00 0.00	\$750,000.00 \$600,000.00 \$10,000.00 \$125,000.00	\$256,000.00 \$114,200.00 \$0.00 \$0.00 \$114,200.00 \$114,200.00 \$32,700.00 \$0.00
E 50 51 52 53 F 56	Subtotal Electrical PROPERTY Existing Residential Lands Vacant Lands Flood Plain Lands Agricultural Lands Subtotal Property MISCILLANEOUS/SPECIAL REQUIREMENTS Asphalt Path	ea.	0.15 0.00 0.00 0.00	\$750,000.00 \$600,000.00 \$10,000.00 \$125,000.00 \$125,000.00 \$125,000.00 \$125,000.00	\$256,000.00 \$114,200.00 \$0.00 \$0.00 \$114,200.00 \$114,200.00 \$32,700.00
E 50 51 52 53 F 56 57	Subtotal Electrical PROPERTY Existing Residential Lands Vacant Lands Flood Plain Lands Agricultural Lands Subtotal Property MISCILLANEOUS/SPECIAL REQUIREMENTS Asphalt Path Concrete Sidewalk Subtotal Miscillaneous/Special Requirements	ea.	0.15 0.00 0.00 0.00	\$750,000.00 \$600,000.00 \$10,000.00 \$125,000.00 \$125,000.00 \$125,000.00 \$125,000.00	\$256,000.00 \$114,200.00 \$0.00 \$0.00 \$114,200.00 \$114,200.00 \$32,700.00 \$0.00
50 51 52 53 53 56 57 57	Subtotal Electrical PROPERTY Existing Residential Lands Vacant Lands Flood Plain Lands Agricultural Lands Subtotal Property MISCILLANEOUS/SPECIAL REQUIREMENTS Asphalt Path Concrete Sidewalk Subtotal Miscillaneous/Special Requirements UTILITIES & SERVICES	ea.	0.15 0.00 0.00 0.00	\$750,000.00 \$600,000.00 \$10,000.00 \$125,000.00 \$125,000.00 \$125,000.00 \$125,000.00	\$256,000.00 \$114,200.00 \$0.00 \$0.00 \$114,200.00 \$114,200.00 \$32,700.00 \$0.00
E 50 51 52 53 F 56 57 G	Subtotal Electrical         PROPERTY         Existing Residential Lands         Vacant Lands         Yacant Lands         Agricultural Lands         Subtotal Property         MISCILLANEOUS/SPECIAL REQUIREMENTS         Asphalt Path         Concrete Sidewalk         Subtotal Miscillaneous/Special Requirements         UTILITIES & SERVICES         Bell	ea.	11.2 0.15 0.00 0.00 0.00 616	\$750,000.00 \$600,000.00 \$10,000.00 \$125,000.00 \$53.00 \$60.00	\$256,000.00 \$114,200.00 \$0.00 \$0.00 \$114,200.00 \$32,700.00 \$32,700.00 \$32,700.00
50 51 52 53 53 53 53 57 56 57 57 57 57	Subtotal Electrical PROPERTY Existing Residential Lands Vacant Lands Flood Plain Lands Agricultural Lands Subtotal Property MISCILLANEOUS/SPECIAL REQUIREMENTS Asphalt Path Concrete Sidewalk Subtotal Miscillaneous/Special Requirements UTILITIES & SERVICES Bell Hydro Gas	ea. acre acre acre acre m <sup>2</sup> m <sup>2</sup> L.S. L.S. L.S.	11.2 0.15 0.00 0.00 0.00 616	\$750,000.00 \$600,000.00 \$10,000.00 \$125,000.00 \$125,000.00 \$60.00 \$60.00 \$60.00 N/A N/A N/A	\$256,000.00 \$114,200.00 \$0.00 \$0.00 \$0.00 \$114,200.00 \$32,700.00 \$32,700.00 \$32,700.00 \$0.000 \$0.000\$00 \$0.000\$00 \$0.000\$00 \$0.000\$000\$
E 500 511 522 533 F 566 577 G 1 2 3 3 4	Subtotal Electrical PROPERTY Existing Residential Lands Vacant Lands Flood Plain Lands Agricultural Lands Subtotal Property MISCILLANEOUS/SPECIAL REQUIREMENTS Asphalt Path Concrete Sidewalk Subtotal Miscillaneous/Special Requirements UTILITIES & SERVICES Bell Hydro Gas Cable	ea. acre acre acre acre m <sup>2</sup> m <sup>2</sup> L.S. L.S. L.S. L.S.	11.2 0.15 0.00 0.00 0.00 616 1 1 1 1	\$750,000.00 \$600,000.00 \$10,000.00 \$125,000.00 \$125,000.00 \$60.00 \$60.00 \$60.00 \$60.00 N/A N/A N/A N/A	\$256,000.00 \$114,200.00 \$0.00 \$0.00 \$0.00 \$32,700.00 \$32,700.00 \$32,700.00 \$32,700.00 \$0.00 \$32,700.00 \$32,700.00 \$32,700.00
50 51 52 53 53 57 57 57 57 57 57 57 57 57 57 57 57 57	Subtotal Electrical PROPERTY Existing Residential Lands Vacant Lands Flood Plain Lands Agricultural Lands Subtotal Property MISCILLANEOUS/SPECIAL REQUIREMENTS Asphalt Path Concrete Sidewalk Subtotal Miscillaneous/Special Requirements UTILITIES & SERVICES Bell Hydro Gas Cable Oil Pipelines	ea. acre acre acre acre m <sup>2</sup> m <sup>2</sup> L.S. L.S. L.S. L.S. L.S. L.S.	11.2 0.15 0.00 0.00 0.00 616 1 1 1 1 1 1	\$750,000.00 \$600,000.00 \$10,000.00 \$125,000.00 \$125,000.00 \$60.00 \$60.00 \$60.00 \$60.00 N/A N/A N/A N/A N/A	\$256,000.00 \$114,200.00 \$0.00 \$0.00 \$0.00 \$32,700.00 \$32,700.00 \$32,700.00 \$0.000 \$0.00 \$0.0000 \$0.000 \$0.000 \$0.00000 \$0.0000 \$0.0000 \$0.000000 \$0.0000 \$0.00000 \$0.00000 \$0.0000
E 50 51 52 53 53 F 57 57 6 G 1 2 3 3 4 4 5 6 6	Subtotal Electrical PROPERTY Existing Residential Lands Vacant Lands Flood Plain Lands Agricultural Lands Subtotal Property MISCILLANEOUS/SPECIAL REQUIREMENTS Asphalt Path Concrete Sidewalk Subtotal Miscillaneous/Special Requirements UTILITIES & SERVICES Bell Hydro Gas Cable Oil Pipelines Hydro One	ea. acre acre acre acre m <sup>2</sup> m <sup>2</sup> L.S. L.S. L.S. L.S. L.S. L.S. L.S.	11.2 0.15 0.00 0.00 0.00 616 1 1 1 1 1 1 1 1 1	\$750,000.00 \$600,000.00 \$10,000.00 \$125,000.00 \$125,000.00 \$60.00 \$60.00 \$60.00 \$60.00 N/A N/A N/A N/A N/A N/A N/A	\$256,000.00 \$114,200.00 \$0.00 \$0.00 \$0.00 \$32,700.00 \$32,700.00 \$32,700.00 \$32,700.00 \$0.00 \$32,700.00 \$0,70
50 51 52 53 53 56 57 57 57 57 57 57 57 57 57 57 57 57 57	Subtotal Electrical PROPERTY Existing Residential Lands Vacant Lands Flood Plain Lands Agricultural Lands Subtotal Property MISCILLANEOUS/SPECIAL REQUIREMENTS Asphalt Path Concrete Sidewalk Subtotal Miscillaneous/Special Requirements UTILITIES & SERVICES Bell Hydro Gas Cable Oil Pipelines Hydro One Utility Pole (minor)	ea. acre acre acre acre m <sup>2</sup> m <sup>2</sup> L.S. L.S. L.S. L.S. L.S. L.S. L.S. L.S. E.S. L	11.2 0.15 0.00 0.00 0.00 616 1 1 1 1 1 1	\$750,000.00 \$600,000.00 \$10,000.00 \$125,000.00 \$125,000.00 \$60.00 \$60.00 \$60.00 \$60.00 N/A N/A N/A N/A N/A N/A N/A N/A N/A	\$256,000.00 \$114,200.00 \$0.00 \$0.00 \$0.00 \$114,200.00 \$32,700.00 \$0,00 \$0,00 \$0,00 \$0,00 \$0,00 \$0,00 \$0,00 \$0,00 \$0,000 \$0,00 \$0,00 \$0,0000 \$0,0000 \$0,000 \$0,0000 \$0,0000 \$0,0
50 51 52 53 53 53 57 57 57 57 57 57 57 57 57 57 57 57 57	Subtotal Electrical PROPERTY Existing Residential Lands Vacant Lands Flood Plain Lands Agricultural Lands Subtotal Property MISCILLANEOUS/SPECIAL REQUIREMENTS Asphalt Path Concrete Sidewalk Subtotal Miscillaneous/Special Requirements UTILITIES & SERVICES Bell Hydro Gas Cable Oil Pipelines Hydro One Utility Pole (minor) Utility Pole (major)	ea. acre acre acre acre m <sup>2</sup> m <sup>2</sup> L.S. L.S. L.S. L.S. L.S. L.S. L.S.	11.2 0.15 0.00 0.00 0.00 616 1 1 1 1 1 1 1 1 1 1 1 1 0	\$750,000.00 \$600,000.00 \$10,000.00 \$125,000.00 \$125,000.00 \$60.00 \$60.00 \$60.00 \$60.00 N/A N/A N/A N/A N/A N/A N/A	\$256,000.00 \$114,200.00 \$0.00 \$0.00 \$0.00 \$114,200.00 \$32,700.00 \$32,700.00 \$32,700.00 \$32,700.00 \$32,700.00 \$32,700.00 \$32,700.00 \$32,700.00 \$0.00
E 50 51 52 53 53 F 56 57 6 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7	Subtotal Electrical PROPERTY Existing Residential Lands Vacant Lands Flood Plain Lands Agricultural Lands Subtotal Property MISCILLANEOUS/SPECIAL REQUIREMENTS Asphalt Path Concrete Sidewalk Subtotal Miscillaneous/Special Requirements UTILITIES & SERVICES Bell Hydro Gas Cable Oil Pipelines Hydro One Utility Pole (minor)	ea. acre acre acre acre m <sup>2</sup> m <sup>2</sup> L.S. L.S. L.S. L.S. L.S. L.S. L.S. L.S. E.S. L	11.2 0.15 0.00 0.00 0.00 616 1 1 1 1 1 1 1 1 1 1 1 1 0	\$750,000.00 \$600,000.00 \$10,000.00 \$125,000.00 \$125,000.00 \$60.00 \$60.00 \$60.00 \$60.00 N/A N/A N/A N/A N/A N/A N/A N/A N/A	\$256,000.00 \$114,200.00 \$0.00 \$0.00 \$0.00 \$114,200.00 \$32,700.00 \$0,00 \$0,00 \$0,00 \$0,00 \$0,00 \$0,00 \$0,00 \$0,00 \$0,000 \$0,00 \$0,00 \$0,0000 \$0,0000 \$0,000 \$0,0000 \$0,0000 \$0,0
E 50 51 52 53 53 53 57 57 57 57 57 57 57 57 57 57 57 57 57	Subtotal Electrical PROPERTY Existing Residential Lands Vacant Lands Flood Plain Lands Agricultural Lands Subtotal Property MISCILLANEOUS/SPECIAL REQUIREMENTS Asphalt Path Concrete Sidewalk Subtotal Miscillaneous/Special Requirements UTILITIES & SERVICES Bell Hydro Gas Cable Oil Pipelines Hydro One Utility Pole (minor) Utility Pole (major)	ea. acre acre acre acre m <sup>2</sup> m <sup>2</sup> L.S. L.S. L.S. L.S. L.S. L.S. L.S. L.S. E.S. L	11.2 0.15 0.00 0.00 0.00 616 1 1 1 1 1 1 1 1 1 1 1 1 0	\$750,000.00 \$600,000.00 \$10,000.00 \$125,000.00 \$125,000.00 \$60.00 \$60.00 \$60.00 \$60.00 N/A N/A N/A N/A N/A N/A N/A N/A N/A	\$256,000.00 \$114,200.00 \$0.00 \$0.00 \$0.00 \$114,200.00 \$32,700.00 \$32,700.00 \$32,700.00 \$32,700.00 \$32,700.00 \$32,700.00 \$32,700.00 \$32,700.00 \$0.00
E 50 51 52 53 53 53 53 57 57 6 57 6 6 54 55	Subtotal Electrical  PROPERTY Existing Residential Lands Vacant Lands Flood Plain Lands Agricultural Lands Subtotal Property  MISCILLANEOUS/SPECIAL REQUIREMENTS Asphalt Path Concrete Sidewalk Subtotal Miscillaneous/Special Requirements UTILITIES & SERVICES Bell Hydro Gas Cable Oil Pipelines Hydro One Utility Pole (minor) Utility Pole (major) Subtotal Utilities (allowance)  CONTINGENCY Subtotal All Items (excluding Property)	ea. acre acre acre acre m <sup>2</sup> m <sup>2</sup> L.S. L.S. L.S. L.S. L.S. L.S. L.S. L.S. E.S. L	11.2 0.15 0.00 0.00 0.00 616 1 1 1 1 1 1 1 1 1 1 1 1 0	\$750,000.00 \$600,000.00 \$10,000.00 \$125,000.00 \$125,000.00 \$60.00 \$60.00 \$60.00 \$60.00 N/A N/A N/A N/A N/A N/A N/A N/A N/A	\$256,000.00 \$114,200.00 \$0.00 \$0.00 \$0.00 \$114,200.00 \$32,700.00 \$32,700.00 \$32,700.00 \$32,700.00 \$32,700.00 \$32,700.00 \$32,700.00 \$32,700.00 \$0.00
E 50 51 52 53 53 53 53 57 57 6 57 6 6 54 55	Subtotal Electrical PROPERTY Existing Residential Lands Vacant Lands Flood Plain Lands Agricultural Lands Subtotal Property MISCILLANEOUS/SPECIAL REQUIREMENTS Asphalt Path Concrete Sidewalk Subtotal Miscillaneous/Special Requirements UTILITIES & SERVICES Bell Hydro Gas Cable Oil Pipelines Hydro One Utility Pole (minor) Utility Pole (major) Subtotal Utilities (allowance) CONTINGENCY	ea. acre acre acre acre m <sup>2</sup> m <sup>2</sup> L.S. L.S. L.S. L.S. L.S. L.S. L.S. L.S. E.S. L	11.2 0.15 0.00 0.00 0.00 616 1 1 1 1 1 1 1 1 1 1 1 0	\$750,000.00 \$600,000.00 \$10,000.00 \$125,000.00 \$125,000.00 \$60.00 \$60.00 \$60.00 \$60.00 N/A N/A N/A N/A N/A N/A N/A N/A N/A	\$256,000.00 \$114,200.00 \$0.00 \$0.00 \$0.00 \$114,200.00 \$32,700.00 \$32,700.00 \$32,700.00 \$32,700.00 \$32,700.00 \$32,700.00 \$0.00 \$32,700.00 \$0.000 \$0.0
E 50 51 52 53 53 53 53 57 57 6 57 6 6 54 55	Subtotal Electrical  PROPERTY Existing Residential Lands Vacant Lands Flood Plain Lands Agricultural Lands Subtotal Property  MISCILLANEOUS/SPECIAL REQUIREMENTS Asphalt Path Concrete Sidewalk Subtotal Miscillaneous/Special Requirements UTILITIES & SERVICES Bell Hydro Gas Cable Oil Pipelines Hydro One Utility Pole (minor) Utility Pole (minor) Subtotal Utilities (allowance)  CONTINGENCY Subtotal All Items (excluding Property) Contingency 10%	ea. acre acre acre acre m <sup>2</sup> m <sup>2</sup> L.S. L.S. L.S. L.S. L.S. L.S. L.S. L.S. E.S. L	11.2 0.15 0.00 0.00 0.00 616 1 1 1 1 1 1 1 1 1 1 1 0	\$750,000.00 \$600,000.00 \$10,000.00 \$125,000.00 \$125,000.00 \$60.00 \$60.00 \$60.00 \$60.00 N/A N/A N/A N/A N/A N/A N/A N/A N/A	\$256,000.00 \$114,200.00 \$0.00 \$0.00 \$0.00 \$114,200.00 \$32,700.00 \$32,700.00 \$32,700.00 \$32,700.00 \$0.00 \$32,700.00 \$0.00 \$32,700.00 \$1,262,500.00
50 51 52 53 53 56 57 57 57 57 57 57 57 57 57 54 55	Subtotal Electrical  PROPERTY Existing Residential Lands Vacant Lands Flood Plain Lands Agricultural Lands Subtotal Property  MISCILLANEOUS/SPECIAL REQUIREMENTS Asphalt Path Concrete Sidewalk Subtotal Miscillaneous/Special Requirements UTILITIES & SERVICES Bell Hydro Gas Cable Oil Pipelines Hydro One Utility Pole (minor) Utility Pole (minor) Subtotal Utilities (allowance)  CONTINGENCY Subtotal All Items (excluding Property) Contingency 10% ENGINEERING	ea. acre acre acre acre m <sup>2</sup> m <sup>2</sup> L.S. L.S. L.S. L.S. L.S. L.S. L.S. L.S. E.S. L	11.2 0.15 0.00 0.00 0.00 616 1 1 1 1 1 1 1 1 1 1 1 0	\$750,000.00 \$600,000.00 \$10,000.00 \$125,000.00 \$125,000.00 \$60.00 \$60.00 \$60.00 \$60.00 N/A N/A N/A N/A N/A N/A N/A N/A N/A	\$256,000.00 \$114,200.00 \$0.00 \$0.00 \$0.00 \$114,200.00 \$32,700.00 \$32,700.00 \$32,700.00 \$32,700.00 \$0.00 \$32,700.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$1,262,500.00 \$1,262,500.00
E 50 51 52 53 53 53 53 57 57 6 57 6 6 54 55	Subtotal Electrical  PROPERTY Existing Residential Lands Vacant Lands Flood Plain Lands Agricultural Lands Subtotal Property  MISCILLANEOUS/SPECIAL REQUIREMENTS Asphalt Path Concrete Sidewalk Subtotal Miscillaneous/Special Requirements UTILITIES & SERVICES Bell Hydro Gas Cable Oil Pipelines Hydro One Utility Pole (minor) Utility Pole (minor) Subtotal Utilities (allowance)  CONTINGENCY Subtotal All Items (excluding Property) Contingency 10% ENGINEERING Subtotal All Items (excluding Property)	ea. acre acre acre acre m <sup>2</sup> m <sup>2</sup> L.S. L.S. L.S. L.S. L.S. L.S. L.S. L.S. E.S. L	11.2 0.15 0.00 0.00 0.00 616 1 1 1 1 1 1 1 1 1 1 1 0	\$750,000.00 \$600,000.00 \$10,000.00 \$125,000.00 \$125,000.00 \$60.00 \$60.00 \$60.00 \$60.00 N/A N/A N/A N/A N/A N/A N/A N/A N/A	\$256,000.00 \$114,200.00 \$0.00 \$0.00 \$0.00 \$114,200.00 \$32,700.00 \$32,700.00 \$32,700.00 \$32,700.00 \$32,700.00 \$0.00 \$32,700.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$1,262,500.00 \$1,262,500.00 \$1,262,500.00
50 51 52 53 53 56 57 57 57 57 57 57 57 57 57 54 55	Subtotal Electrical  PROPERTY Existing Residential Lands Vacant Lands Flood Plain Lands Agricultural Lands Subtotal Property  MISCILLANEOUS/SPECIAL REQUIREMENTS Asphalt Path Concrete Sidewalk Subtotal Miscillaneous/Special Requirements UTILITIES & SERVICES Bell Hydro Gas Cable Oil Pipelines Hydro One Utility Pole (minor) Utility Pole (minor) Subtotal Utilities (allowance)  CONTINGENCY Subtotal All Items (excluding Property) Contingency 10% ENGINEERING	ea. acre acre acre acre m <sup>2</sup> m <sup>2</sup> L.S. L.S. L.S. L.S. L.S. L.S. L.S. L.S. E.S. L	11.2 0.15 0.00 0.00 0.00 616 1 1 1 1 1 1 1 1 1 1 1 0	\$750,000.00 \$600,000.00 \$10,000.00 \$125,000.00 \$125,000.00 \$60.00 \$60.00 \$60.00 \$60.00 N/A N/A N/A N/A N/A N/A N/A N/A N/A	\$256,000.00 \$114,200.00 \$0.00 \$0.00 \$0.00 \$114,200.00 \$32,700.00 \$32,700.00 \$32,700.00 \$32,700.00 \$0.00 \$32,700.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$1,262,500.00 \$1,262,500.00

#### FINAL PRELIMINARY DESIGN COST ESTIMATE

Road Length (m):       2460         Number of Lanes:       4         Flush Median Width (m):       0         ASSUMED FULL DEPTH RECONSTRUCTION OF WATERDOWN ROAD SINCE       0         CROSS-Section (Rural/Urban):       URBAN         Paved Road Width (m):       6.6         Paved Shoulder Width (m):       0         Straular Shoulder Width (m):       0         Sidewalk Width (m):	GEOTECH CROSS Cross-S Paved R Paved S Granulai Sidewall Bike Pat Sidewall Bike Pat Street Li Unit Unit M <sup>2</sup> m <sup>2</sup> m L.S. m <sup>3</sup> tonnes tonnes tonnes tonnes tonnes tonnes m m <sup>2</sup> m <sup>2</sup> m m ea.	dth (m): Median Width Median Width SECTION F SECTION F Scoad Width (m): Scoad	i (m): DN NOT COMPLE OR RIGHT SIDI /Urban): n): h (m):	
Number of Lanes:       4         Flush Median Width (m):       0         SSUMED FULL DEPTH RECONSTRUCTION OF WATERDOWN ROAD SINCE       CROSS-SECTION FOR LEFT SIDE:         Cross-Section (Rural/Urban):       URBAN         Paved Road Width (m):       6.6         Paved Shoulder Width (m):       0         Granular Shoulder Width (m):       0         Granular Shoulder Width (m):       0         Sidewalk Midth (m):       0	Lane Wi Raised N GEOTECH CROSS- Paved R Paved S Granula Sidewall Bike Pat Street Li Unit m <sup>2</sup> m <sup>2</sup> m L.S. m <sup>3</sup> tonnes tonnes tonnes tonnes tonnes tonnes m m <sup>2</sup> m <sup>2</sup> m m tonnes	dth (m): Median Width Median Width SECTION F SECTION F Scoad Width (m): Scoad	DN NOT COMPLE DR RIGHT SIDI (Urban): n): h (m): idth (m): idth (m): Unit Price \$6.50 \$50.00 \$26.00 \$15,000.00 \$15,000.00 \$15,000.00 \$15,000.00 \$15,000.00 \$15,000.00 \$19.00 \$90.00	3.3 C TE AT THIS TIME E: URBAN 6.6 C C C C C C C C C C C C C C C C C C
Flush Median Width (m):       0         ASSUMED FULL DEPTH RECONSTRUCTION OF WATERDOWN ROAD SINCE         CROSS-SECTION FOR LEFT SIDE:         Cross-Section (Rural/Urban):       URBAN         Paved Road Width (m):       0         Paved Shoulder Width (m):       0         Granular Shoulder Width (m):       0         Sidewalk Width (m):       0         10 Exectresplash Pad (0.3 m width, 150 mm depth) <td>Raised I <u>GEOTECH</u> <u>CROSS</u> Cross-S Paved R Paved S Granular Sidewall Bike Pat Street Li Unit <u>Unit</u> <u>m</u><sup>2</sup> m<sup>2</sup> m<sup>2</sup> m tonnes tonnes tonnes tonnes tonnes m<sup>2</sup> <u>m</u><sup>2</sup> <u>m</u><sup>2</sup> <u>m</u><sup>2</sup> <u>m</u><sup>2</sup> <u>m</u><sup>2</sup> <u>m</u><sup>2</sup> <u>m</u><sup>2</sup> <u>m</u><sup>2</sup> <u>m</u><sup>2</sup> <u>m</u><sup>2</sup> <u>m</u><sup>2</sup> <u>m</u><sup>2</sup> <u>m</u><sup>2</sup> <u>m</u><sup>2</sup> <u>m</u><sup>2</sup> <u>m</u><sup>2</sup> <u>m</u><sup>2</sup> <u>m</u><sup>2</sup> 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<u>m</u><sup>2</sup> <u>m</u><sup>2</sup> <u>m</u><sup>2</sup> <u>m</u><sup>2</sup> <u>m</u><sup>2</sup> <u>m</u><sup>2</sup> <u>m</u><sup>2</sup> <u>m</u><sup>2</sup> <u>m</u><sup>2</sup> <u>m</u><sup>2</sup> <u>m</u><sup>2</sup> <u>m</u><sup>2</sup> <u>m</u><sup>2</sup> <u>m</u><sup>2</sup> <u>m</u><sup>2</sup> <u>m</u><sup>2</sup> <u>m</u><sup>2</sup> <u>m</u><sup>2</sup> <u>m</u><sup>2</sup> <u>m</u><sup>2</sup> <u>m</u><sup>2</sup> <u>m</u><sup>2</sup> <u>m</u><sup>2</sup> <u>m</u><sup>2</sup> <u>m</u><sup>2</sup> <u>m</u><sup>2</sup> <u>m</u><sup>2</sup> <u>m</u><sup>2</sup> <u>m</u><sup>2</sup> <u>m</u><sup>2</sup> <u>m</u><sup>2</sup> <u>m</u><sup>2</sup> <u>m</u><sup>2</sup> <u>m</u><sup>2</sup> <u>m</u><sup>2</sup> <u>m</u><sup>2</sup> <u>m</u><sup>2</sup> <u>m</u><sup>2</sup> <u>m</u><sup>2</sup> <u>m</u><sup>2</sup> <u>m</u><sup>2</sup> <u>m</u><sup>2</sup> <u>m</u><sup>2</sup> <u>m</u><sup>2</sup> <u>m</u><sup>2</sup> <u>m</u><sup>2</sup> <u>m</u><sup>2</sup> 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\$90.00</td> <td>C TE AT THIS TIME E: URBAN 6.6 C C C C C C C C C C C C C C C C C C</td>	Raised I <u>GEOTECH</u> <u>CROSS</u> Cross-S Paved R Paved S Granular Sidewall Bike Pat Street Li Unit <u>Unit</u> <u>m</u> <sup>2</sup> m <sup>2</sup> m <sup>2</sup> m tonnes tonnes tonnes tonnes tonnes m <sup>2</sup> <u>m</u> <sup>2</sup> <u></u>	Median Width Hedian Width SECTION F ection (Rural coad Width (r shoulder Widt r Shoulder Widt width (m): th Width (m): th Width (m): ghting (Y/N): Estimated Quantity 20725 4920 311 29680 12114 29410 3261 7337 4920 23893 0	DN NOT COMPLE DR RIGHT SIDI (Urban): n): h (m): idth (m): idth (m): Unit Price \$6.50 \$50.00 \$26.00 \$15,000.00 \$15,000.00 \$15,000.00 \$15,000.00 \$15,000.00 \$15,000.00 \$19.00 \$90.00	C TE AT THIS TIME E: URBAN 6.6 C C C C C C C C C C C C C C C C C C
ASSUMED FULL DEPTH RECONSTRUCTION OF WATERDOWN ROAD SINCE         CROSS-SECTION FOR LEFT SIDE:         Cross-Section (Rural/Urban):       URBAN         Paved Road Width (m):       6.6         Paved Shoulder Width (m):       0         Granular Shoulder Width (m):       0         Sidewalk Width (m):       0         Sidewalk Width (m):       0         Sidewalk Width (m):       0         Sidewalk Width (m):       0         Site Path Width (m):       0         Street Lighting (Y/N):       Y         No.       Item         A       ROADWORKS & DRAINAGE         2 Remove Ex. Asphalt (Full Depth)       1         11 Concrete Splash Pad (0.3 m width, 150 mm depth)       21         21 150 mm Subdrain       35         35 Entrance Modifications/Regrading       4         4 Earth Excavation       6         6 Granular A (150 mm depth)       7         7 Granular B (450 mm depth)       10         9 Surface Course Asphalt (40 mm depth)       12         10 Base Course Asphalt (90 mm depth)       12         11 Sod c/w 100 mm Topsoil       14         12 Seeding c/w 100 mm Topsoil       14         13 Sod c/w 100 mm Storm Sewer       22 <t< td=""><td>GEOTECH CROSS Cross-S Paved R Paved S Granulai Sidewall Bike Pat Sidewall Bike Pat Street Li Unit Unit M<sup>2</sup> m<sup>2</sup> m L.S. m<sup>3</sup> tonnes tonnes tonnes tonnes tonnes tonnes m m<sup>2</sup> m<sup>2</sup> m m ea.</td><td>INVESTIGATION -SECTION F ection (Rural coad Width (r houlder Widt r Shoulder Widt (Width (m): h Width (m): h Width (m): ghting (Y/N): Estimated Quantity 20725 4920 31 29680 12114 29410 3261 7337 4920 23893 0</td><td>DN NOT COMPLE DR RIGHT SIDI (Urban): n): h (m): idth (m): idth (m): Unit Price \$6.50 \$50.00 \$26.00 \$15,000.00 \$15,000.00 \$15,000.00 \$15,000.00 \$15,000.00 \$15,000.00 \$19.00 \$90.00</td><td>TE AT THIS TIME E: URBAN 6.6 0 0 0 0 0 0 0 0 0 0 0 0 0</td></t<>	GEOTECH CROSS Cross-S Paved R Paved S Granulai Sidewall Bike Pat Sidewall Bike Pat Street Li Unit Unit M <sup>2</sup> m <sup>2</sup> m L.S. m <sup>3</sup> tonnes tonnes tonnes tonnes tonnes tonnes m m <sup>2</sup> m <sup>2</sup> m m ea.	INVESTIGATION -SECTION F ection (Rural coad Width (r houlder Widt r Shoulder Widt (Width (m): h Width (m): h Width (m): ghting (Y/N): Estimated Quantity 20725 4920 31 29680 12114 29410 3261 7337 4920 23893 0	DN NOT COMPLE DR RIGHT SIDI (Urban): n): h (m): idth (m): idth (m): Unit Price \$6.50 \$50.00 \$26.00 \$15,000.00 \$15,000.00 \$15,000.00 \$15,000.00 \$15,000.00 \$15,000.00 \$19.00 \$90.00	TE AT THIS TIME E: URBAN 6.6 0 0 0 0 0 0 0 0 0 0 0 0 0
CROSS-SECTION FOR LEFT SIDE:         Cross-Section (Rural/Urban):       URBAN         Paved Road Width (m):       6.6         Paved Shoulder Width (m):       0         Granular Shoulder Width (m):       0         Sidewalk Width (m):       0         Site Path Width (m):       0         Site Path Width (m):       0         Street Lighting (Y/N):       Y         No.       Item         A       ROADWORKS & DRAINAGE         2       Remove Ex. Asphalt (Full Depth)         11       Concrete Splash Pad (0.3 m width, 150 mm depth)         21       150 mm Subdrain         35       Entrance Modifications/Regrading         4       Earth Excavation         6       Granular A (150 mm depth)         7       Granular B (450 mm depth)         9       Sufface Course Asphalt (40 mm depth)         10       Base Course Asphalt (90 mm depth)         12       Concrete Curb and Gutter (All types)         13       Sod c/w 100 mm Topsoil         14       Seeding c/w 100 mm	CROSS Cross-S Paved R Paved S Granulai Sidewall Bike Pat Street Li Unit m <sup>2</sup> m <sup>2</sup> m L.S. m <sup>3</sup> tonnes tonnes tonnes tonnes tonnes m m <sup>2</sup> m a tonnes	-SECTION For ection (Rural coad Width (r ishoulder Width r Shoulder Width width (m): th Width (m): t	OR RIGHT SID /Urban): n): h (m): idth (m): idth (m): Unit Price \$6.50 \$50.00 \$26.00 \$15,000.00 \$15,000.00 \$15,000.00 \$15,000.00 \$15,000.00 \$19.00	E: URBAN 6.6 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0
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Paved Road Width (m):       6.6         Paved Shoulder Width (m):       0         Granular Shoulder Width (m):       0         Sidewalk Width (m):       0         Side Path Width (m):       0         Sike Path Excavation       10         6 Granular A (150 mm depth)       11         7 Granular B (450 mm depth)       11         7 Granular B (450 mm depth)       11         9 Surface Course Asphalt (40 mm depth)       11         10 Base Course Asphalt (90 mm depth)       12         12 Concrete Curb and Gutter (All types)       13         13 Sod c/w 100 mm Topsoil       14         14 Seeding c/w 100 mm Sewer <t< td=""><td>Paved R Paved S Granulai Sidewalł Bike Pat Street Li Unit m<sup>2</sup> m<sup>2</sup> m. L.S. m<sup>3</sup> tonnes tonnes tonnes tonnes m<sup>2</sup> m<sup>2</sup> m<sup>3</sup> tonnes tonnes tonnes tonnes m m<sup>2</sup> m<sup>2</sup></td><td>toad Width (r shoulder Width r Shoulder Width Mith (m): h Width (m): ghting (Y/N): Estimated Quantity 20725 4920 31 29680 12114 29410 3261 7337 4920 23893 0</td><td>n): h (m): idth (m): Unit Price \$6.50 \$50.00 \$26.00 \$15,000.00 \$15,000.00 \$15,000.00 \$15,000.00 \$15,000.00 \$15,000.00 \$19.00</td><td>C C C C C C C C C C C C C C C C C C C</td></t<>	Paved R Paved S Granulai Sidewalł Bike Pat Street Li Unit m <sup>2</sup> m <sup>2</sup> m. L.S. m <sup>3</sup> tonnes tonnes tonnes tonnes m <sup>2</sup> m <sup>2</sup> m <sup>3</sup> tonnes tonnes tonnes tonnes m m <sup>2</sup> m <sup>2</sup>	toad Width (r shoulder Width r Shoulder Width Mith (m): h Width (m): ghting (Y/N): Estimated Quantity 20725 4920 31 29680 12114 29410 3261 7337 4920 23893 0	n): h (m): idth (m): Unit Price \$6.50 \$50.00 \$26.00 \$15,000.00 \$15,000.00 \$15,000.00 \$15,000.00 \$15,000.00 \$15,000.00 \$19.00	C C C C C C C C C C C C C C C C C C C
Granular Shoulder Width (m):       0         Sidewalk Width (m):       0         Sike Path Width (m):       0         Street Lighting (Y/N):       Y         No.       Item         A       ROADWORKS & DRAINAGE         2       Remove Ex. Asphalt (Full Depth)         11       Concrete Splash Pad (0.3 m width, 150 mm depth)         21       150 mm Subdrain         35       Entrance Modifications/Regrading         4       Earth Excavation         6       Granular A (150 mm depth)         7       Granular B (450 mm depth)         9       Surface Course Asphalt (40 mm depth)         10       Base Course Asphalt (90 mm depth)         12       Concrete Curb and Gutter (All types)         13       Sod c/w 100 mm Topsoil         14       Seeding c/w 100 mm Topsoil         17       300 mm Storm Sewer Laterals         18       375 - 600 mm Storm Sewer         22       Single Catchbasins         24       Storm Maintenance Holes/MHCBs         SWM Pond       36         36       Minor Roadworks & Drainage Items	Granulai Sidewalł Bike Pat Street Li Unit m <sup>2</sup> m L.S. m <sup>3</sup> tonnes tonnes tonnes tonnes m m <sup>2</sup> m m m m m ea.	r Shoulder W Width (m): h Width (m): ghting (Y/N): Estimated Quantity 20725 4920 31 29680 12114 29410 3261 7337 4920 23893 0	Unit Price \$6.50 \$50.00 \$15,000.00 \$15,000.00 \$15.00 \$15.00 \$19.00 \$90.00	CCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCC
Sidewalk Width (m):       0         Bike Path Width (m):       0         Street Lighting (Y/N):       Y         No.       Item         A       ROADWORKS & DRAINAGE         2       Remove Ex. Asphalt (Full Depth)         11       Concrete Splash Pad (0.3 m width, 150 mm depth)         21       150 mm Subdrain         35       Entrance Modifications/Regrading         4       Earth Excavation         6       Granular A (150 mm depth)         7       Granular B (450 mm depth)         9       Surface Course Asphalt (40 mm depth)         10       Base Course Asphalt (90 mm depth)         12       Concrete Curb and Gutter (All types)         13       Sod c/w 100 mm Topsoil         14       Seeding c/w 100 mm Topsoil         17       300 mm Storm Sewer         22       Single Catchbasins         24       Storm Maintenance Holes/MHCBs         SWM Pond       36         36       Minor Roadworks & Drainage Items	Sidewall Bike Pat Street Li Unit m <sup>2</sup> m L.S. m <sup>3</sup> tonnes tonnes tonnes tonnes m m <sup>2</sup> m <sup>2</sup> m m <sup>3</sup> tonnes tonnes tonnes tonnes	Width (m):           h Width (m):           ghting (Y/N):           Estimated           Quantity           20725           4920           31           29680           12114           29410           3261           7337           4920           23893           0	Unit Price \$6.50 \$50.00 \$26.00 \$15,000.00 \$15,000.00 \$15,000 \$10,0000\$100 \$10,0000\$1000\$1	Total \$134,800.00 \$128,000.00 \$465,000.00
Bike Path Width (m):       0         Street Lighting (Y/N):       Y         No.       Item         A       ROADWORKS & DRAINAGE         2       Remove Ex. Asphalt (Full Depth)         11       Concrete Splash Pad (0.3 m width, 150 mm depth)         21       150 mm Subdrain         35       Entrance Modifications/Regrading         4       Earth Excavation         6       Granular A (150 mm depth)         7       Granular B (450 mm depth)         9       Surface Course Asphalt (40 mm depth)         10       Base Course Asphalt (90 mm depth)         12       Concrete Curb and Gutter (All types)         13       Sod c/w 100 mm Topsoil         14       Seeding c/w 100 mm Topsoil         17       300 mm Storm Sewer         22       Single Catchbasins         24       Storm Maintenance Holes/MHCBs         SWM Pond       36         36       Minor Roadworks & Drainage Items	Bike Pat Street Li Unit m <sup>2</sup> m L.S. m <sup>3</sup> tonnes tonnes tonnes tonnes m m <sup>2</sup> m <sup>2</sup> m m <sup>2</sup> m m ea.	h Width (m): ghting (Y/N): Estimated Quantity 20725 4920 311 29680 12114 29410 3261 7337 4920 23893 0	Price \$6.50 \$50.00 \$15,000.00 \$15,000.00 \$15.00 \$22.00 \$19.00 \$90.00	Total \$134,800.00 \$0.00 \$128,000.00 \$465,000.00
Street Lighting (Y/N):       Y         No.       Item         A       ROADWORKS & DRAINAGE         2       Remove Ex. Asphalt (Full Depth)         11       Concrete Splash Pad (0.3 m width, 150 mm depth)         21       150 mm Subdrain         35       Entrance Modifications/Regrading         4       Earth Excavation         6       Granular A (150 mm depth)         7       Granular B (450 mm depth)         9       Surface Course Asphalt (40 mm depth)         10       Base Course Asphalt (90 mm depth)         12       Concrete Curb and Gutter (All types)         13       Sod c/w 100 mm Topsoil         14       Seeding c/w 100 mm Topsoil         17       300 mm Storm Sewer         22       Single Catchbasins         24       Storm Maintenance Holes/MHCBs         SWM Pond       36         36       Minor Roadworks & Drainage Items	Street Li Unit m <sup>2</sup> m L.S. m <sup>3</sup> tonnes tonnes tonnes tonnes m m <sup>2</sup> m <sup>2</sup> m m <sup>2</sup> m m ea.	ghting (Y/N): Estimated Quantity 20725 4920 31 29680 12114 29410 3261 7337 4920 23893 0	Price \$6.50 \$50.00 \$15,000.00 \$15,000.00 \$15.00 \$22.00 \$19.00 \$90.00	Y Total \$134,800.00 \$0.00 \$128,000.00 \$465,000.00
No.       Item         A       ROADWORKS & DRAINAGE         2       Remove Ex. Asphalt (Full Depth)         11       Concrete Splash Pad (0.3 m width, 150 mm depth)         21       150 mm Subdrain         35       Entrance Modifications/Regrading         4       Earth Excavation         6       Granular A (150 mm depth)         7       Granular B (450 mm depth)         9       Surface Course Asphalt (40 mm depth)         10       Base Course Asphalt (90 mm depth)         12       Concrete Curb and Gutter (All types)         13       Sod c/w 100 mm Topsoil         14       Seeding c/w 100 mm Topsoil         17       300 mm Storm Sewer         22       Single Catchbasins         24       Storm Maintenance Holes/MHCBs         SWM Pond       36         36       Minor Roadworks & Drainage Items	Unit m <sup>2</sup> m L.S. m <sup>3</sup> tonnes tonnes tonnes tonnes m m <sup>2</sup> m <sup>2</sup> m m ea.	Estimated Quantity 20725 4920 31 29680 12114 29410 3261 7337 4920 23893 0	Price \$6.50 \$50.00 \$15,000.00 \$15,000.00 \$15.00 \$22.00 \$19.00 \$90.00	\$134,800.00 \$0.00 \$128,000.00 \$465,000.00
A       ROADWORKS & DRAINAGE         2       Remove Ex. Asphalt (Full Depth)         11       Concrete Splash Pad (0.3 m width, 150 mm depth)         21       150 mm Subdrain         35       Entrance Modifications/Regrading         4       Earth Excavation         6       Granular A (150 mm depth)         7       Granular B (450 mm depth)         9       Surface Course Asphalt (40 mm depth)         10       Base Course Asphalt (90 mm depth)         12       Concrete Curb and Gutter (All types)         13       Sod c/w 100 mm Topsoil         14       Seeding c/w 100 mm Topsoil         17       300 mm Storm Sewer         22       Single Catchbasins         24       Storm Maintenance Holes/MHCBs         SWM Pond       Subtotal Roadworks & Drainage Items	m <sup>2</sup> m <sup>2</sup> m <sup>3</sup> tonnes tonnes tonnes tonnes m <sup>2</sup> m <sup>2</sup> m m ea.	Quantity 20725 4920 31 29680 12114 29410 3261 7337 4920 23893 0	Price \$6.50 \$50.00 \$15,000.00 \$15,000.00 \$15.00 \$22.00 \$19.00 \$90.00	\$134,800.00 \$0.00 \$128,000.00 \$465,000.00
2       Remove Ex. Asphalt (Full Depth)         11       Concrete Splash Pad (0.3 m width, 150 mm depth)         21       150 mm Subdrain         35       Entrance Modifications/Regrading         4       Earth Excavation         6       Granular A (150 mm depth)         7       Granular B (450 mm depth)         9       Surface Course Asphalt (40 mm depth)         10       Base Course Asphalt (90 mm depth)         12       Concrete Curb and Gutter (All types)         13       Sod c/w 100 mm Topsoil         14       Seeding c/w 100 mm Topsoil         17       300 mm Storm Sewer         22       Single Catchbasins         24       Storm Maintenance Holes/MHCBs         SWM Pond       36         36       Minor Roadworks & Drainage Items	m <sup>2</sup> m           L.S.           m <sup>3</sup> tonnes           tonnes           tonnes           tonnes           m <sup>2</sup> m <sup>2</sup> m           m           ea.	20725 4920 31 29680 12114 29410 3261 7337 4920 23893 0	\$6.50 \$50.00 \$15,000.00 \$15,000 \$15.00 \$22.00 \$19.00 \$90.00	\$0.00 \$128,000.00 \$465,000.00
11       Concrete Splash Pad (0.3 m width, 150 mm depth)         21       150 mm Subdrain         35       Entrance Modifications/Regrading         4       Earth Excavation         6       Granular A (150 mm depth)         7       Granular B (450 mm depth)         9       Surface Course Asphalt (40 mm depth)         10       Base Course Asphalt (90 mm depth)         12       Concrete Curb and Gutter (All types)         13       Sod c/w 100 mm Topsoil         14       Seeding c/w 100 mm Topsoil         17       300 mm Storm Sewer Laterals         18       375 - 600 mm Storm Sewer         22       Single Catchbasins         24       Storm Maintenance Holes/MHCBs         SWM Pond       36         36       Minor Roadworks & Drainage Items	m <sup>2</sup> m           L.S.           m <sup>3</sup> tonnes           tonnes           tonnes           tonnes           m <sup>2</sup> m <sup>2</sup> m           m           ea.	4920 31 29680 12114 29410 3261 7337 4920 23893 0	\$50.00 \$26.00 \$15,000.00 \$15.00 \$22.00 \$19.00 \$90.00	\$0.00 \$128,000.00 \$465,000.00
21       150 mm Subdrain         35       Entrance Modifications/Regrading         4       Earth Excavation         6       Granular A (150 mm depth)         7       Granular B (450 mm depth)         9       Surface Course Asphalt (40 mm depth)         10       Base Course Asphalt (90 mm depth)         12       Concrete Curb and Gutter (All types)         13       Sod c/w 100 mm Topsoil         14       Seeding c/w 100 mm Topsoil         17       300 mm Storm Sewer Laterals         18       375 - 600 mm Storm Sewer         22       Single Catchbasins         24       Storm Maintenance Holes/MHCBs         SWM Pond       36         36       Minor Roadworks & Drainage Items         Subtotal Roadworks & Drainage       10	m           L.S.           m³           tonnes           tonnes           tonnes           tonnes           m°           m°           m           m           ea.	31 29680 12114 29410 3261 7337 4920 23893 0	\$26.00 \$15,000.00 \$15.00 \$22.00 \$19.00 \$90.00	\$128,000.00 \$465,000.00
35       Entrance Modifications/Regrading         4       Earth Excavation         6       Granular A (150 mm depth)         7       Granular B (450 mm depth)         9       Surface Course Asphalt (40 mm depth)         10       Base Course Asphalt (90 mm depth)         12       Concrete Curb and Gutter (All types)         13       Sod c/w 100 mm Topsoil         14       Seeding c/w 100 mm Topsoil         17       300 mm Storm Sewer Laterals         18       375 - 600 mm Storm Sewer         22       Single Catchbasins         24       Storm Maintenance Holes/MHCBs         SWM Pond       36         36       Minor Roadworks & Drainage Items         Subtotal Roadworks & Drainage       1000000000000000000000000000000000000	L.S. m <sup>3</sup> tonnes tonnes tonnes m m <sup>2</sup> m <sup>2</sup> m m ea.	31 29680 12114 29410 3261 7337 4920 23893 0	\$15,000.00 \$15.00 \$22.00 \$19.00 \$90.00	\$465,000.00
4       Earth Excavation         6       Granular A (150 mm depth)         7       Granular B (450 mm depth)         9       Surface Course Asphalt (40 mm depth)         10       Base Course Asphalt (90 mm depth)         12       Concrete Curb and Gutter (All types)         13       Sod c/w 100 mm Topsoil         14       Seeding c/w 100 mm Topsoil         17       300 mm Storm Sewer Laterals         18       375 - 600 mm Storm Sewer         22       Single Catchbasins         24       Storm Maintenance Holes/MHCBs         SWM Pond       Subtotal Roadworks & Drainage Items	m <sup>3</sup> tonnes tonnes tonnes tonnes m m <sup>2</sup> m m m ea.	29680 12114 29410 3261 7337 4920 23893 0	\$15.00 \$22.00 \$19.00 \$90.00	
6       Granular A (150 mm depth)         7       Granular B (450 mm depth)         9       Surface Course Asphalt (40 mm depth)         10       Base Course Asphalt (90 mm depth)         12       Concrete Curb and Gutter (All types)         13       Sod c/w 100 mm Topsoil         14       Seeding c/w 100 mm Topsoil         17       300 mm Storm Sewer Laterals         18       375 - 600 mm Storm Sewer         22       Single Catchbasins         24       Storm Maintenance Holes/MHCBs         SWM Pond       36         36       Minor Roadworks & Drainage Items         Subtotal Roadworks & Drainage       10	tonnes tonnes tonnes m m <sup>2</sup> m m m ea.	12114 29410 3261 7337 4920 23893 0	\$22.00 \$19.00 \$90.00	\$11E 000 00
7       Granular B (450 mm depth)         9       Surface Course Asphalt (40 mm depth)         10       Base Course Asphalt (90 mm depth)         12       Concrete Curb and Gutter (All types)         13       Sod c/w 100 mm Topsoil         14       Seeding c/w 100 mm Topsoil         17       300 mm Storm Sewer Laterals         18       375 - 600 mm Storm Sewer         22       Single Catchbasins         24       Storm Maintenance Holes/MHCBs         SWM Pond       Subtotal Roadworks & Drainage Items         Subtotal Roadworks & Drainage       Subtotal Roadworks & Drainage	tonnes tonnes m m <sup>2</sup> m <sup>2</sup> m m ea.	29410 3261 7337 4920 23893 0	\$19.00 \$90.00	<del>φ44</del> 5,200.00
9       Surface Course Asphalt (40 mm depth)         10       Base Course Asphalt (90 mm depth)         12       Concrete Curb and Gutter (All types)         13       Sod c/w 100 mm Topsoil         14       Seeding c/w 100 mm Topsoil         17       300 mm Storm Sewer Laterals         18       375 - 600 mm Storm Sewer         22       Single Catchbasins         24       Storm Maintenance Holes/MHCBs         SWM Pond       Subtotal Roadworks & Drainage	tonnes tonnes m m <sup>2</sup> m m m ea.	3261 7337 4920 23893 0	\$90.00	\$266,600.00
10       Base Course Asphalt (90 mm depth)         12       Concrete Curb and Gutter (All types)         13       Sod c/w 100 mm Topsoil         14       Seeding c/w 100 mm Topsoil         17       300 mm Storm Sewer Laterals         18       375 - 600 mm Storm Sewer         22       Single Catchbasins         24       Storm Maintenance Holes/MHCBs         SWM Pond       36         36       Minor Roadworks & Drainage Items	tonnes m m <sup>2</sup> m m m ea.	7337 4920 23893 0	+	\$558,800.00
12 Concrete Curb and Gutter (All types)         13 Sod c/w 100 mm Topsoil         14 Seeding c/w 100 mm Topsoil         17 300 mm Storm Sewer Laterals         18 375 - 600 mm Storm Sewer         22 Single Catchbasins         24 Storm Maintenance Holes/MHCBs         SWM Pond         36 Minor Roadworks & Drainage Items         Subtotal Roadworks & Drainage	m m <sup>2</sup> m m ea.	4920 23893 0	¢01 00	\$293,500.00
13       Sod c/w 100 mm Topsoil         14       Seeding c/w 100 mm Topsoil         17       300 mm Storm Sewer Laterals         18       375 - 600 mm Storm Sewer         22       Single Catchbasins         24       Storm Maintenance Holes/MHCBs         SWM Pond       Subtotal Roadworks & Drainage	m <sup>2</sup> m <sup>2</sup> m m ea.	23893 0		\$594,300.00
14       Seeding c/w 100 mm Topsoil         17       300 mm Storm Sewer Laterals         18       375 - 600 mm Storm Sewer         22       Single Catchbasins         24       Storm Maintenance Holes/MHCBs         SWM Pond       36         36       Minor Roadworks & Drainage Items         Subtotal Roadworks & Drainage       36	m <sup>2</sup> m m ea.	0	\$55.00	\$270,600.00
17       300 mm Storm Sewer Laterals         18       375 - 600 mm Storm Sewer         22       Single Catchbasins         24       Storm Maintenance Holes/MHCBs         SWM Pond       36         36       Minor Roadworks & Drainage Items         Subtotal Roadworks & Drainage       36	m m ea.	-	\$6.50	\$155,400.00
18       375 - 600 mm Storm Sewer         22       Single Catchbasins         24       Storm Maintenance Holes/MHCBs         SWM Pond	m ea.		\$5.00	\$0.00
22 Single Catchbasins 24 Storm Maintenance Holes/MHCBs SWM Pond 36 Minor Roadworks & Drainage Items Subtotal Roadworks & Drainage	ea.	676	\$250.00	\$169,000.00
24 Storm Maintenance Holes/MHCBs SWM Pond 36 Minor Roadworks & Drainage Items Subtotal Roadworks & Drainage		2460	\$375.00	\$922,500.00
SWM Pond 36 Minor Roadworks & Drainage Items Subtotal Roadworks & Drainage		102	\$2,000.00	\$204,000.00
36 Minor Roadworks & Drainage Items Subtotal Roadworks & Drainage	ea.	26	\$4,700.00	\$122,200.00
Subtotal Roadworks & Drainage	LS	1	\$100,000.00	\$100,000.00
			15.0%	\$709,500.00
3 STRUCTURES				\$5,539,400.00
14A Retaining Walls (RSS)	m <sup>2</sup>	780	\$700.00	\$546,000.00
Subtotal Structures				\$546,000.00
C       LANDSCAPING/MITIGATION         45       Landscaping Component         46       Mitigation and Compensation for ESA Vegetation Removal         Subtotal Landscaping/Mitigation	LS m2	1 7800	\$1,045,850.00 \$15.00	\$1,045,900.00 \$117,000.00 <b>\$1,162,900.00</b>
				<i><i><i>ϕ</i>1,102,000.00</i></i>
D ELECTRICAL	1			
	ea.	1	\$200,000.00	\$200,000.00
· · · · · · · · · · · · · · · · · · ·	ea.	0	\$120,000.00	\$0.00 \$492,000.00
Subtotal Electrical	ea.	98.4	\$5,000.00	\$692,000.00 \$692,000.00
				<i>4032,000.00</i>
E PROPERTY				<u> </u>
	acre	2.14	\$750,000.00	\$1,605,000.00
51 Vacant	acre	0.00	\$600,000.00	\$0.00
	acre	0.00	\$10,000.00	\$0.00
	acre	0.00	\$125,000.00	\$0.00
	acre	1.10	\$750,000.00 \$650,000,00	\$825,000.00
	acre LS	1.00 1.00	\$650,000.00 \$300,000,00	\$650,000.00
56 2000 Waterdown Road Access Arrangement Subtotal Property	13	1.00	\$300,000.00	\$300,000.00 \$3,380,000.00
				,,,,,,,,,,,,,
F PATHWAY/SIDEWALK 56 Asphalt Path	m²	8812	\$53.00	\$467,100.00
•	m m <sup>2</sup>	876	\$60.00	\$52,600.00
Subtotal Miscillaneous/Special Requirements	m	070	ψ00.00	\$519,700.00
				·
G UTILITIES & SERVICES 1 Bell	L.S.	1	N/A	N/A
2 Hydro	L.S. L.S.	1	N/A	N/A
3 Gas	L.S.	1	N/A	N/A
4 Cable	L.S.	1	N/A	N/A
5 Oil Pipelines	L.S.	1	N/A	N/A
6 Hydro One	L.S.	1	N/A	N/A
EZ Likilita Dala (min)	ea.	0	\$60.00	\$0.00
	ea.	0	N/A	N/A
58 Utility Pole (major)				\$423,000.00
58 Utility Pole (major) Subtotal Utilities (allowance)				\$8,883,000.00
58 Utility Pole (major) Subtotal Utilities (allowance) H CONTINGENCY				\$888,300.00
58 Utility Pole (major) Subtotal Utilities (allowance)				
58 Utility Pole (major)         Subtotal Utilities (allowance)         H         CONTINGENCY         Subtotal All Items (excluding Property)         Contingency 10%				
58 Utility Pole (major) Subtotal Utilities (allowance) GONTINGENCY Subtotal All Items (excluding Property) Contingency 10% ENGINEERING				¢8 883 000 00
58 Utility Pole (major)     Subtotal Utilities (allowance)     CONTINGENCY     Subtotal All Items (excluding Property)     Contingency 10%     ENGINEERING     Subtotal All Items (excluding Property)				
58 Utility Pole (major) Subtotal Utilities (allowance) GONTINGENCY Subtotal All Items (excluding Property) Contingency 10% ENGINEERING				\$8,883,000.00 <b>\$888,300.00</b>

## FINAL PRELIMINARY DESIGN COST ESTIMATE

ROAD NAME:	Mountain Brow Road	Imp. Type: 4U-NC & 4U-RC	
From:	East of Waterdown Road	To: East of Midblock	
Road Length (m):	747.62	ROW Width (m):	30
Number of Lanes:	4	Lane Width (m):	3.3
Flush Median Width (m):	0	Raised Median Width (m):	0
ASSUMED FULL DEPTH RECONST	RUCTION OF MOUNTAIN BROW RD SINCE	GEOTECH INVESTIGATION NOT COMPLETE AT	THIS TIME
<b>CROSS-SECTION FOR LEF</b>	T SIDE:	CROSS-SECTION FOR RIGHT SIDE:	
Cross-Section (Rural/Urban):	URBAN	Cross-Section (Rural/Urban):	URBAN
Paved Road Width (m):	6.6	Paved Road Width (m):	6.6
Paved Shoulder Width (m):	0	Paved Shoulder Width (m):	0
Granular Shoulder Width (m):	0	Granular Shoulder Width (m):	0
Sidewalk Width (m):	0	Sidewalk Width (m):	0
Bike Path Width (m):	0	Bike Path Width (m):	0
Street Lighting (Y/N):	Y	Street Lighting (Y/N):	Y

No.	Item	Unit	Estimated	Unit	Total
			Quantity	Price	
Α	ROADWORKS & DRAINAGE				
	Remove Ex. Asphalt (Full Depth)	m <sup>2</sup>	7800	\$6.50	\$50,700.00
	Concrete Splash Pad (0.3 m width, 150 mm depth)	m <sup>2</sup>		\$50.00	\$0.00
	150 mm Subdrain	m	1495	\$26.00	\$38,900.00
	Entrance Modifications/Regrading	L.S.	11	\$15,000.00	\$165,000.00
	Earth Excavation	m <sup>3</sup>	9408	\$15.00	\$141,200.00
6	Granular A (150 mm depth)	tonnes	3821	\$22.00	\$84,100.00
7	Granular B (450 mm depth)	tonnes	9569	\$19.00	\$181,900.00
	Surface Course Asphalt (150 mm depth)	tonnes	3830.16	\$90.00	\$344,800.00
10	Concrete Curb and Gutter (All types)	~	1495	\$81.00 \$55.00	\$0.00 \$82,300.00
	Sod c/w 100 mm Topsoil	m m <sup>2</sup>	5382.58	\$55.00 \$6.50	\$82,300.00
	Seeding c/w 100 mm Topsoil		0	\$0.50 \$5.00	\$35,000.00
		m <sup>2</sup>			
	300 mm Storm Sewer Laterals 375 - 600 mm Storm Sewer	m m	198 748	\$250.00 \$375.00	\$49,500.00 \$280,400.00
	Single Catchbasins	ea.		\$375.00 \$2,000.00	
	Storm Maintenance Holes/MHCBs	ea. ea.	30 8	\$2,000.00 \$4,700.00	\$60,000.00 \$37,600.00
	Minor Roadworks & Drainage Items	ca.	0	<del>4,700.00</del> 15.0%	\$232,800.00
50	Subtotal Roadworks & Drainage			15.078	\$1,784,200.00
	Subiolal Roadworks & Drainage				φ1,7 <b>0</b> 4,200.00
В	STRUCTURES				
	Retaining Walls (RSS)	m²	0	\$700.00	\$0.00
447	Subtotal Structures	m	0	<i>ψι</i> 00.00	
	Subtotal Structures				\$0.00
С	LANDSCAPING/MITIGATION				
	Landscaping Component	LS	1	\$273,250.00	\$273,300.00
	Mitigation and Compensation for ESA Vegetation Removal	m2	600	\$273,250.00 \$15.00	\$9,000.00
40	Subtotal Landscaping/Mitigation	IIIZ	000	φ15.00	. ,
	Subtotal Landscaping/witigation				\$282,300.00
D	ELECTRICAL				
	Traffic Signalization (per intersection)	ea.	0	\$200,000.00	\$0.00
	Modifications to Ex. Traffic Signalization (per intersection)	ea. ea.	0	\$200,000.00	\$0.00
	Street Lighting (per pole)	ea.	30	\$5,000.00	\$149,600.00
75	Subtotal Electrical	ca.	50	ψ0,000.00	\$149,600.00
	ousional Electrical				ψ1 <del>4</del> 3,000.00
Ε	PROPERTY				
	Existing Residential Lands	acre	0.90	\$750,000.00	\$676,500.00
	Vacant Lands	acre	0.00	\$600,000.00	\$0.00
	Flood Plain Lands	acre	0.00	\$10,000.00	\$0.00
	Agricultural Lands	acre	0.00	\$125,000.00	\$0.00
	Subtotal Property				\$676,500.00
					· · ·
F	MISCILLANEOUS/SPECIAL REQUIREMENTS				
56	Asphalt Path	m²	2660	\$53.00	\$141,000.00
57	Concrete Sidewalk	m²	0	\$60.00	\$0.00
	Subtotal Miscillaneous/Special Requirements		11		\$141,000.00
					, ,
G	UTILITIES & SERVICES				
	Bell	L.S.	1	N/A	N/A
	Hydro	L.S.	1	N/A	N/A
	Gas	L.S.	1	N/A	N/A
	Cable	L.S.	1	N/A	N/A
	Oil Pipelines	L.S.	1	N/A	N/A
6	Hydro One	L.S.	1	N/A	N/A
	Utility Pole (minor)	ea.	0	\$2,000.00	\$0.00
55	Utility Pole (major)	ea.	0	\$5,000.00	\$0.00
	Subtotal Utilities (allowance)				\$117,900.00
Н	CONTINGENCY				
	Subtotal All Items (excluding Property)				\$2,475,000.00
	Contingency 10%				\$247,500.00
1	ENGINEERING				
	Subtotal All Items (excluding Property)				\$2,475,000.00
					\$247,500.00
	Engineering 10%				. ,
	Engineering 10%				
J	Engineering 10% TOTAL ESTIMATED COST (excluding GST)				\$3,646,500.00

M:\PROJECTS\DRAFT\08\089020 WATMP Phases 3 & 4\Waterdown Road\Cost Estimate\Waterdown Road - Final Cost Estimate March 2012 Rev 1 March 19 2012

## FINAL PRELIMINARY DESIGN COST ESTIMATE

ROAD NAME:	The Midblock	Imp. Type: 4U-NC & 4U-RC	
From:	Mountain Brow Road	To: Dundas Street	
Road Length (m):	942	ROW Width (m):	36
Number of Lanes:	4	Lane Width (m):	3.9
Flush Median Width (m):	0	Raised Median Width (m):	2
ASSUMED FULL DEPTH RECONST	RUCTION OF WATERDOWN ROAD SIN	NCE GEOTECH INVESTIGATION NOT COMPLETE	AT THIS TIME
CROSS-SECTION FOR LEF	T SIDE:	CROSS-SECTION FOR RIGHT SIDE:	
Cross-Section (Rural/Urban):	URBAN	Cross-Section (Rural/Urban):	URBAN
Paved Road Width (m):	7.85	Paved Road Width (m):	7.85
Paved Shoulder Width (m):	0	Paved Shoulder Width (m):	0
Granular Shoulder Width (m):	0	Granular Shoulder Width (m):	0
Sidewalk Width (m):	2	Sidewalk Width (m):	2
Bike Path Width (m):	0	Bike Path Width (m):	0
Street Lighting (Y/N):	Y	Street Lighting (Y/N):	Y

No.	Item	Unit	Estimated Quantity	Unit Price	Total
	ROADWORKS & DRAINAGE	2		¢10.000.00	¢0.00
	Remove Ex. Asphalt (Full Depth)	m <sup>2</sup>	0	\$10,000.00	\$0.00
	Concrete Splash Pad (0.3 m width, 150 mm depth) 150 mm Subdrain	m <sup>2</sup>	1004	\$50.00 \$26.00	\$0.00 \$49,000.00
	Entrance Modifications/Regrading	m L.S.	1884 0	\$20.00	\$49,000.00
	Earth Excavation	m <sup>3</sup>	27144	\$15.00	\$407,200.00
	Granular A (150 mm depth)	tonnes	5852	\$22.00	\$128,800.00
	Granular B (450 mm depth)	tonnes	15251	\$19.00	\$289,800.00
	Surface Course Asphalt (150 mm depth)	tonnes	3501	\$90.00	\$315,200.00
10				\$81.00	\$0.00
	Concrete Curb and Gutter (All types)	m	1884	\$55.00	\$103,700.00
	Sod c/w 100 mm Topsoil	m <sup>2</sup>	12821.19	\$6.50	\$83,400.00
	Seeding c/w 100 mm Topsoil	m <sup>2</sup>	0	\$5.00	\$0.00
	300 mm Storm Sewer Laterals	m	338	\$250.00	\$84,500.00
	375 - 600 mm Storm Sewer	m	942	\$375.00	\$353,300.00
	Single Catchbasins Storm Maintenance Holes/MHCBs	ea. ea.	38 10	\$2,000.00 \$4,700.00	\$76,000.00 \$47,000.00
	Minor Roadworks & Drainage Items	ea.	10	<del>4,700.00 (15.0%)</del>	\$290,700.00
	Subtotal Roadworks & Drainage		11	15.078	\$2,228,600.00
	Subtotal Noadworks & Drainage				φ2,220,000.00
	STRUCTURES				
42A	Structural Culvert (Over 3 metres in width)	m <sup>2</sup>	450	\$3,200.00	\$1,440,000.00
	Subtotal Structures				\$1,440,000.00
С	LANDSCAPING/MITIGATION				
	Landscaping Component	LS	1	\$480,400.00	\$480,400.00
	Mitigation and Compensation for Watercourse Crossings	m	0	\$1,000.00	\$0.00
	Subtotal Landscaping/Mitigation		-		\$480,400.00
	ELECTRICAL				
	Traffic Signalization (per intersection)	ea.	0	\$200,000.00	\$0.00
	Modifications to Ex. Traffic Signalization (per intersection)	ea.	0	\$120,000.00	\$0.00
	Street Lighting (per pole) Subtotal Electrical	ea.	38	\$5,000.00	\$188,400.00 <b>\$188,400.00</b>
	Subiolai Electricai				φ100,400.00
Ε	PROPERTY				
50	Existing Residential Lands	acre	0.00	\$750,000.00	\$0.00
51	Vacant Lands	acre	0.00	\$600,000.00	\$0.00
52	Flood Plain Lands	acre	0.00	\$10,000.00	\$0.00
	Agricultural Lands	acre	0.00	\$125,000.00	\$0.00
	Subtotal Property	\$0.00			
F	MISCILLANEOUS/SPECIAL REQUIREMENTS				
	Asphalt Path	m <sup>2</sup>	0	\$53.00	\$0.00
	Concrete Sidewalk	m <sup>2</sup>	3936	\$60.00	\$236,200.00
	Subtotal Miscillaneous/Special Requirements				\$236,200.00
-	UTILITIES & SERVICES		<b>ا</b> م ا	N1/A	N1/A
	Bell	L.S. L.S.	1	N/A N/A	N/A
	Gas	L.S. L.S.	1	N/A N/A	N/A N/A
	Cable	L.S.	1	N/A	N/A
	Oil Pipelines	L.S.	1	N/A	N/A
6	Hydro One	L.S.	1	N/A	N/A
	Utility Pole (minor)	ea.	0	\$2,000.00	\$0.00
	Utility Pole (major)	ea.	0	\$5,000.00	\$0.00
$\vdash$	Subtotal Utilities (allowance)				\$228,700.00
Н	CONTINGENCY				
	Subtotal All Items (excluding Property)				\$4,802,300.00
$\vdash$	Contingency 10%				\$480,300.00
					,
	ENGINEERING				
	Subtotal All Items (excluding Property)				\$4,802,300.00
	Engineering 10%				\$480,300.00
1	TOTAL ESTIMATED COST (excluding GST)				\$5,762,900.00

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