

Lorne Street West Extension (John Street to east of John Street) Date: May 19, 2016
Wellingdale Construction Development
Town of Minto

Opinion of Probable Cost (for development securities purposes only)

Road Work

Item	Quantity	Unit	Unit Price	Amount
Earth excavation (grading)	500	cu.m.	\$16.00	\$8,000.00
Water	74	cu.m.	\$8.00	\$592.00
Calcium chloride	0.8	t	\$1,100.00	\$880.00
Granular "A" (150mm)	450	t	\$15.00	\$6,750.00
Granular "B" (450mm)	1160	t	\$12.00	\$13,920.00
Granular Fill	740	t	\$12.00	\$8,880.00
Hot mix HL4 (50mm)	122	t	\$125.00	\$15,250.00
Hot mix HL3 (40mm)	100	t	\$135.00	\$13,500.00
Tack Coat	868	sq.m.	\$1.00	\$868.00
Hot mix miscellaneous	65	sq.m.	\$30.00	\$1,950.00
Removal of bituminous pavement	65	sq.m.	\$10.00	\$650.00
Adjust exist. Manholes/catchbasins	3	ea.	\$500.00	\$1,500.00
Supply MH/CB frames and grates	4	ea.	\$500.00	\$2,000.00
Remove curb and gutter	13	m	\$10.00	\$130.00
Concrete curb and gutter	137	m	\$50.00	\$6,850.00
Concrete sidewalk	100	sq.m.	\$50.00	\$5,000.00
Topsoil	962	sq.m.	\$7.00	\$6,734.00
Sod	476	sq.m.	\$6.50	\$3,094.00
Seed and mulch	486	sq.m.	\$1.50	\$729.00
Subtotal				\$97,277.00

Storm Sewer

Item	Quantity	Unit	Unit Price	Amount
300mm dia. storm sewer	17	m	\$175.00	\$2,975.00
375mm dia. storm sewer	13	m	\$200.00	\$2,600.00
600mm dia. storm sewer	82	m	\$275.00	\$22,550.00
600 x 600mm catchbasin	2	ea.	\$1,800.00	\$3,600.00
600 x 1200mm ditch inlet	1	ea.	\$3,500.00	\$3,500.00
1500 mm dia. manhole	1	ea.	\$5,000.00	\$5,000.00
150mm dia. perforated subdrain	83	m	\$25.00	\$2,075.00
Subtotal				\$42,300.00

Sanitary Sewer

Item	Quantity	Unit	Unit Price	Amount
200mm dia. P.V.C. SDR35	76	m	\$225.00	\$17,100.00
1200 mm dia. manhole	1	ea.	\$4,500.00	\$4,500.00
125 mm dia. sanitary services	50	m	\$150.00	\$7,500.00
Sanitary service cleanout	5	ea.	\$250.00	\$1,250.00
Subtotal				\$30,350.00

Watermain

Item	Quantity	Unit	Unit Price	Amount
150mm dia. PVC DR18	98	m	\$150.00	\$14,700.00
150mm gate valve	3	ea.	\$1,200.00	\$3,600.00
150x150x150 tee	1	ea.	\$600.00	\$600.00
150x150 cross	1	ea.	\$700.00	\$700.00
150mm dia. cap	1	ea.	\$250.00	\$250.00
150mm dia. plug	1	ea.	\$250.00	\$250.00
Fire hydrant	1	ea.	\$4,000.00	\$4,000.00
Connection to existing	1	ea.	\$2,500.00	\$2,500.00
25mm dia. main stop	5	ea.	\$175.00	\$875.00
25mm dia. curb stop	5	ea.	\$300.00	\$1,500.00
25mm dia. saddle	5	ea.	\$175.00	\$875.00
25mm dia. tubing	35	m	\$125.00	\$4,375.00
Swabbing, disinfection, etc.	1	L.S.	\$2,500.00	\$2,500.00
Subtotal				\$36,725.00

Miscellaneous Items

Item	Quantity	Unit	Unit Price	Amount
Traffic Control	1	L.S.	\$1,500.00	\$1,500.00
Material and Compaction testing	1	L.S.	\$5,000.00	\$5,000.00
Subtotal				\$6,500.00

Summary

Road Construction	\$97,277.00
Storm Sewer	\$42,300.00
Sanitary Sewer	\$30,350.00
Watermain	\$36,725.00
Miscellaneous Items	\$6,500.00
Subtotal	\$213,152.00
Lump Sum to cover all other requirements (1.75%)	\$3,730.16
Subtotal	\$216,882.16
Bonding and Insurance (3%)	\$6,506.46
Subtotal	\$223,388.62
Contingency (10%)	\$22,338.86
Total Construction	\$245,727.48

Engineering

Finalize design, tendering, construction review and contract administration (12%)	\$29,487.30
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Total Construction and Engineering

Total	\$275,214.78
H.S.T. (13%)	\$35,777.92
Total	\$310,992.70

Notes:

1. Assuming Type 2 soil conditions.
- 2. Excludes electrical and street lighting.**
3. Excludes legal survey.
4. Excludes utilities installation (Bell, Wightmans, Union Gas, etc.).
- 5. Excludes Geotechnical Investigation, if required by the Town**
6. Assuming granular backfill for storm sewer and native backfill for sanitary sewer and watermain.
7. Prices based on, generally, virgin land for the road extension but relatively small quantities.
8. Traffic control assumes Town will allow road closure including the Lorne/John intersection.