

DISTRICT OF SECHLT

Gale Avenue North Sinkhole Remediation

Construction Cost Estimate

Gale Ave North - Sink Hole Repair

URBAN
systems

Item	Description	Unit	Quantity	Unit Price	Amount
1.0	EXCAVATION AND ROADWORKS				
	MMCD 01 53 01 - TEMPORARY FACILITIES				
1.0	Mobilization	LS	1	\$ 15,000.00	\$ 15,000.00
1.1	Trench Shoring	LS	1	\$ 50,000.00	\$ 50,000.00
	MMCD 01 55 00 - TRAFFIC CONTROL, VEHICLE ACCESS AND PARKING				
1.2	Traffic Control	LS	1	\$ 2,500.00	\$ 2,500.00
	MMCD 03 30 20 - CONCRETE WALKS, CURBS AND GUTTERS				
1.3	Concrete Rollover Curb and Gutter (MMCD-C5)	l.m.	90	\$ 85.00	\$ 7,650.00
1.4	Concrete Sidewalk (120mm thick)	m ²	70	\$ 120.00	\$ 8,400.00
1.5	Concrete Driveway replacement (washed aggregate)	m ²	20	\$ 125.00	\$ 2,500.00
	MMCD 26 56 01 - ROADWAY LIGHTING				
1.6	Remove & Reinstall Streetlight	ea	2	\$ 5,000.00	\$ 10,000.00
	MMCD 31 24 13 - ROADWAY EXCAVATION, EMBANKMENT, & COMPACTION				
1.7	Common Excavation and Offsite Disposal	m ³	1570	\$ 45.00	\$ 70,650.00
1.8	Import Granular Backfill	m ³	1350	\$ 60.00	\$ 81,000.00
	MMCD 31 23 01 - EXCAVATING AND TRENCHING				
1.9	Removals and disposal of existing utilities (storm/sanitary and water), curbs, sidewalks, trees, sod, etc	LS	1	\$ 7,500.00	\$ 7,500.00
	MMCD 32 11 16.1 - GRANULAR SUB BASE				
1.10	Granular Subbase (300mm thick)	m ²	400	\$ 25.00	\$ 10,000.00
	MMCD 32 11 23 - GRANULAR BASE				
1.11	Granular Base (150mm thick)	m ²	400	\$ 20.00	\$ 8,000.00
	MMCD 32 12 16 - HOT-MIX ASPHALT CONCRETE PAVING				
1.12	Machine Laid Asphalt Lower course #2 (40mm thick)	m ²	400	\$ 35.00	\$ 14,000.00
1.13	Machine Laid Asphalt Upper course #2 (45mm thick)	m ²	400	\$ 35.00	\$ 14,000.00
	MMCD 32 01 16.7 - COLD MILLING				
1.14	Mill and Dispose Asphalt	m ²	400	\$ 20.00	\$ 8,000.00
	MMCD 32 93 01 - PLANTING OF TREES, SHRUBS AND GROUND COVERS				
1.15	Street Trees	ea	4	\$ 750.00	\$ 3,000.00
	MMCD 32 91 21 - TOPSOIL AND FINISH GRADING				
1.16	Topsoil (150mm thick)	m ²	150	\$ 10.00	\$ 1,500.00
1.17	Clear crush boulevard 100mm thick (south side)	m ²	50	\$ 15.00	\$ 750.00
	MMCD 32 92 23 - SODDING				
1.18	Sod	m ²	150	\$ 10.00	\$ 1,500.00
	MMCD 33 11 01 - WATERWORKS				
1.19	Above ground water bypass (Hydrant Loop) c/w Temporary Services to hose bibs	LS	1	\$ 7,500.00	\$ 7,500.00
1.20	200mm diameter PVC watermain replacement	l.m.	45	\$ 200.00	\$ 9,000.00
	MMCD 33 30 01 - SANITARY SEWERS				
1.21	Sanitary Bypass - Gravity Bypass for Lots 22/23	LS	1	\$ 2,500.00	\$ 2,500.00
1.22	Lift Station - Temporary Shutdown and VAC Truck Collection and Disposal	LS	1	\$ 5,000.00	\$ 5,000.00
1.23	200mm diameter PVC sanitary sewer replacement	l.m.	45	\$ 200.00	\$ 9,000.00
1.24	75mm forcemain sanitary sewer replacement	l.m.	45	\$ 100.00	\$ 4,500.00
	MMCD 33 40 01 - STORM SEWERS				
1.25	Bypass pumping	LS	1	\$ 5,000.00	\$ 5,000.00
1.26	Remove and reinstall existing catchbasins c/w tie ins	ea	2	\$ 1,000.00	\$ 2,000.00
1.27	250mm diameter PVC storm sewer replacement c/w couplers	l.m.	45	\$ 250.00	\$ 11,250.00
1.28	150mm diameter Preforated drain pipe	l.m.	40	\$ 150.00	\$ 6,000.00
1.29	300mm diameter Preforated drain pipe	l.m.	45	\$ 300.00	\$ 13,500.00
	GAS MAIN				
1.30	Support existing gas main in place (including Fortis supervision)	LS	1	\$ 2,500.00	\$ 2,500.00
				Sub Total	\$ 393,700.00
				Sub-Total Estimate	\$ 393,700.00

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Construction Cost Estimate		URBAN systems
Gale Ave North - Sink Hole Repair		
Part	Description	Estimate
1.0	EXCAVATION AND ROADWORKS	\$ 393,700.00
	Sub-total:	\$ 393,700.00
	Engineering @ 15%	\$ 59,055.00
	Contingency @ 25%	\$ 98,425.00
	Sub-total (Including Engineering & Contingency)	\$ 551,180.00
	GST (5%)	\$ 27,559.00
	Total:	\$ 578,739.00

Notes:

1. Costs are in 2017 dollars
2. Costs assume excavation during dry weather conditions. Wet weather conditions may increase costs
3. No allowance made for dewatering. Ground water assumed to be below excavation depth
4. Quantity/scope assumptions are based upon geotechnical reports and recommendations prepared by Thurber Engineering and provided to us by District of Sechelt in a July 20, 2017 email, and also on the subsequent summary of assumptions sent by Urban Systems to Thurber via email on August 1, 2017
5. Construction drawings have not been prepared for this work. Quantities are derived from scaled measurements based upon recommended scope of work