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APPENDIX A: Preliminary Watermain Upgrades Cost Estimate Breakdown

Item No.	Description	Units	Estimated Quantity	Unit Price	Item Amount
Construction Costs					
1	Asphalt Removal	m ²	1440	\$ 6.75	\$ 9,720.00
2	Removal of Concrete Curb and Gutter	m	320	\$ 9.50	\$ 3,040.00
3	Earth Excavation	m ³	3000	\$ 17.50	\$ 52,500.00
4	Connection to Existing Watermain w/ Pressure Reduction Valve	ea.	3	\$ 40,000.00	\$ 120,000.00
5	Connect to Existing Hydrant	ea.	3	\$ 5,850.00	\$ 17,550.00
6	200mm dia. PVC DR 18 Watermain	m	320	\$ 575.00	\$ 184,000.00
7	Transfer Existing Service Connection	ea.	30	\$ 2,350.00	\$ 70,500.00
8	Temporary Water Service	L.S.	1	\$ 57,500.00	\$ 57,500.00
9	Granular 'B' (600mm depth)	t	1500	\$ 20.00	\$ 30,000.00
10	Granular 'A' (150mm depth)	t	400	\$ 30.00	\$ 12,000.00
11	HL8 Hot Mix Asphalt Base Course (50mm)	t	175	\$ 185.00	\$ 32,375.00
12	HL3 Hot Mix Asphalt Surface Course (40mm)	t	140	\$ 180.00	\$ 25,200.00
13	Concrete Curb and Gutter	m	320	\$ 250.00	\$ 80,000.00
14	Misc. Restorations	L.S.	1	\$ 10,000.00	\$ 10,000.00
				SUBTOTAL	\$ 704,385.00
Design and Inspection Costs					
15	Detailed Design and Tender Preparation	L.S.			\$ 25,000.00
16	Construction Inspection	L.S.			\$ 50,000.00
				SUBTOTAL	\$ 75,000.00
Definitions: ea. – each, t. – Tonnes, k.g. – kilograms, L.S. – Lump Sum m. – Linear Metres, m2 – Square Metres, m3 – Cubic Metres			TOTAL ESTIMATED COSTS		779,385.00