

Contract Title Elkford Downtown Core Design Ref # 2441-001278-00

Author Kevin Mohr, P.Eng Date May 18, 2022

Item #	Section	Description
1	Form of Tender – Appendix A – Schedule of Quantities and Prices	Re-issue and replace Form of Tender Appendix A - Schedule of Quantities and Prices with the attached Revision 5.
2	Invitation to Tenderers	Tender Closing Time shall be revised to Tuesday May 24th, 2022 at 12:00 PM (local time).
3	Instructions to Tenderers Part I	Tender Closing Time shall be revised to Tuesday May 24th, 2022 at 12:00 PM (local time).
4	Instructions to Tenderers Part I	Add: Questions will no longer be answered after 11:00am (local time) on May 18, 2022.
Questions and Answers		
	Q1	Is Elkford’s gravel pit available for aggregate production and to setup an asphalt plant?
	A1	Yes, contractors may use the South Boivin pit for an aggregate source and for asphalt production. Aggregate production as may be required shall be completed at their cost. The contractor shall be responsible for operating the pit in accordance with the BC Mines Act, Worksafe BC and any other relevant laws and regulations.
	Q2	Is imported backfill required following the installation of sewer mains, water mains, etc ? The SofQ suggests specifies it.
	A2	This requirement will be revised such that native backfill is utilized,
	Q3	1. Who is responsible for the removal of existing streetlight fixtures, 120V wiring and infrastructure? Or is this excluded? The Form of Tender does not have a Pay Item for this work.
	A3	Refer to MMCD Specifications Section 31 24 13 to see what is covered under item 31.5. The removal of street light bases have been added to the Form of Tender – Appendix A – Schedule of Quantities and Prices
	Q4	Where are the service connection points for street lights on: a. Bovin Road? b. Corner of Alpine Way and Chauncey Street? c. North side of Alpine Street across from Chauncey Street? Nothing is detailed on Dwg. E-001. Pay Item 26.7 is a Lump Sum Pay Item and this information is required so all bidders include the same scope.
	A4	Refer to the legend on the drawing and symbols shown on the plan for the location of the service bases.
	Q5	What is the distance from the South-West corner of the Existing Building to the Electrical Panel within the Existing Building, Dwg. E-101 & E-103? This is required to prepare our estimate. Pay Item 26.14 is a Lump Sum Pay Item and this information is required so all bidders include the same scope.

	A5	Tenderers are welcome to view the site (at any point during the tender period) and/or scale dimensions off the drawings to collect this information.
	Q6	We respectfully request a one (1) week extension to the closing date to allow time to receive responses to these questions and permit Generals additional time to include complete sub-trade pricing for the electrical scope. Extension requested to Thursday May 26, 2022.
	A6	The tender period will be extended to 12:00PM local time, Tuesday May 24th, 2022.
	Q7	We have some of our subcontractors excluding pricing, or giving incomplete pricing due to missing information. Specifically, Alpine way and Hwy 43 intersection is showing optional work to be approved by the ministry, but there isn't any information (design) to work from. There doesn't appear to be any drawings detailing the optional work (storm leads and line painting
	A7	Line painting can be seen on C-103 among other places in the drawing set. Storm leads can be seen on C-201.
	Q8	Elk street, there is optional work outlined in the contract but no information in the drawings detailing what work is optional, specific to the storm lines and landscaping. We really would like a design view for Elk road to bid from.
	A8	No additional information will be provided. The storm sewer and landscaping work have been removed from the revised Form of Tender Appendix A - Schedule of Quantiles and Prices.
	Q9	Boivn Road - are the catch basins being replaced, or reused. This will affect leads, etc. Are the curbs being replaced or not.
	A9	Refer to the legend and symbols shown on the plan regarding which catch basins are to be replaced. Proposed curb and gutter has a line assigned to it and can be seen on the drawings.
	Q10	Will the district entertain electronic submission of the tender? We are able to supply an E-bond verification of the bonding requirements.
	A10	Refer to the Instructions to Tenders for details on the acceptable submission format. Electronic submissions are not accepted.
	Q11	Asphalt grindings - can they be stockpiled at the old landfill or other?
	A11	Refer to the disposal locations map in the tender document.
	Q12	There are no gas lines shown on the plans. Are we to assume that there aren't any and all locates and crossings will be paid via force account?
	A12	Gas lines are shown on the plans to the best of our knowledge, the information may not be complete. The contractor is responsible for locates, verifying the accuracy and of these utilities and identifying potential conflicts as per the terms and conditions of the contract.
	Q13	Clearing and Grubbing - There are no limits showing on the plans are the limits just around the parking lot area? or is area spread out There are "5 isolated trees" shown, are they to be included in the 2400 sqm?
	A13	It is the area not previously cleared and grubbed as required for the work. The five trees would be in addition to the clearing and grubbing area.
	Q14	L103 shows "future laneway, but the other drawings appear to be showing as

		'in the contract' Is this part of the contract? There isn't a pay item shown what are the design parameters? Is there a cross section for construction?
	A14	The laneway is part of the contract. It is shown on DWG C400 among other places in the drawings.
	Q15	Watermain on Alpine drive to PRV is showing as being below the sanitary and storm, will the joints on the watermain require wrapping?
	A15	Wrap joints will be required where indicated on the drawings.
	Q16	33.11.01 - Waterworks - 1.8.2 states "imported or native backfill as specified" 33.1 1.81,1.82 - indicating "...3-4m imported backfill" Does this mean that native backfill cannot be used here even if suitable, and will require imported backfill.
	A16	See answer 2 above.
	Q17	Boivin road - end of the road past the intersection of Alpine Way, there is a gravel pad Is this to be included in the contract, there isn't a unit price on the SOQ Is there a design/cross sections for the specs
	A17	This work shall be paid for under item 32.1 Granular Base – 19mm minus – Variable Thickness for Road Reshaping . Assume a 100mm depth for bidding purposes.
	Q18	Where is the root barrier to be placed. I can't find where this is in the plans.
	A18	In various locations as indicated on the Drawings.
	Q19	Where can we get a copy of the District Bylaws? This is showing as part of the contract docs, but they aren't provided in with the tender documents.
	A19	It is available online at the following location: https://elkford.civicweb.net/filepro/documents/70003/?preview=70004

List of attachments:

1. Form of Tender Appendix A – Schedule of Quantities and Prices Rev 5

Tenderer's Signature

SUMMARY SHEET

Downtown Core Design
 Revision #5 - Addendum #6

CONTRACTOR: _____

DATE: _____

DIVISION	TITLE	TOTAL COSTS
Div 01	General Requirements	
Div 03	Concrete	
Div 26	Electrical	
Div 31	Earthwork	
Div 32	Roads and Site Improvements	
Div 33	Utilities	
	Subtotal	
	5% GST	
	TOTAL	
OPTIONAL WORK		
	1. Div 26 Electrical BC Hydro Optional Work	
	2. Alpine Way at Highway 43 (MOTI approval req.)	
	3. Elk Street	
	4. Boivin Road Sidewalk and Curb	
	5. Sidewalk to Future Senior's Home	
	Subtotal	
	5% GST	
	TOTAL	

Appendix 1 - Schedule of Quantities

Div 01 - General Requirements						
Section	Para	Specification Title	Unit	Quantity	Unit Price	Amount
01 33 01		Project Record Documents				
1.10		Project Record Documents	Lump Sum	1		
01 51 01		Temporary Utilities and Lighting				
1.2	1.6.1	Temporary Utilities and Lighting	Note			Incidental
01 52 01		Temporary Structures				
1.3	1.6.1	Temporary Structures	Note			Incidental
01 53 01		Temporary Facilities				
1.4	1.9.1	Temporary Facilities	Note			Incidental
01 55 00		Traffic Control, Vehicle Access and Parking				
1.5	1.5.1	Traffic Control, Vehicle Access and Parking	Lump Sum	1		
01 58 01		Project Identification				
1.6	1.3.1	Project Identification	Note			Incidental
SUBTOTAL:						

Div 03 - Concrete						
Section	Para	Specification Title	Unit	Quantity	Unit Price	Amount
03 30 20		Concrete Walks, Curb And Gutter				
3.1	1.4.1	Excavation, fill, subgrade to be under 31 24 13 Roadway Excavation Embankment and Compaction	Note			
3.2	1.4.2	Granular Subbase and granular base under curb & gutter to be under 31 11 23 Granular Base and 32 11 16.1 Granular Subbase	Note			
3.3	1.4.3	Machine Placed or Precast Curb & Gutter	Lineal Metres	1700		
3.4	1.4.5	Concrete Walks, Infill Strips and Walkways Variable Width Including ramps. (specify) finish and 100mm thickness)	Square Metres	2565		
3.5	1.4.6	Driveway Crossings 100mm thickness c/w ramps , granular base, compaction	Each	33		
3.6		Concrete in Fill Strip 100mm thickness c/w granular base, compaction	Square Metres	147		
3.7	1.4.8	Adjustments to Frames, Covers, Lids, Valve, Junction Boxes ,Catchbasins, Inspection Chambers	Note			Incidental
03 40 01		Pre-Cast Concrete				
3.8	1.4.4	Install Concrete NoPost Barriers	Lineal Metres	50		
3.9	1.4.5	Relocate Concrete NoPost Barriers	Linear Metres	17.5		
SUBTOTAL:						

Div 26 - Electrical						
Section	Para	Specification Title	Unit	Quantity	Unit Price	Amount
26 56 01		Roadway Lighting (DWGs E001-002)				
26.1	1.9.1	Streetlight Base - Type C	ea.	25		
26.2		Streetlight Base - Type C1	ea.	3		
26.3		9m Streetlight Pole	ea.	25		
26.4		8.1m Streetlight Pole	ea.	3		
26.5		Streetlight cobra head luminaire	ea.	28		
26.6		Streetlight service base c/w distribution panel	ea.	3		
26.7		Service connection to existing	LS	1		
26.8		50mm RPVC conduit c/w 3c #10 RW90	Lineal Metres	1096		
26.9		Trenching and Backfill	Lineal Metres	1096		

26 56 01		Pathway Lighting (DWGs E100-103)				
26.10		Pathway concrete base - Type B	EA	18		
26.11		5m Pathway Pole	EA	18		
26.12		Decorative pathway luminaire	EA	18		
26.13		In grade junction box	EA	3		
26.14		Service connection to existing	LS	1		
26.15		25mm RPVC conduit c/w 3c #10 RW90	Lineal Metres	585		
26.16		Trenching and backfill	Lineal Metres	585		

Div 26 - Electrical OPTIONAL WORK						
Section	Para	Specification Title	Unit	Quantity	Unit Price	Amount
		BC Hydro Infrastructure Relocation	Lump- Sum	0	\$0.00	\$0.00

SUBTOTAL:	
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Div 31 - Earthworks						
Section	Para	Specification Title	Unit	Quantity	Unit Price	Amount
31 11 01		Clearing and Grubbing				
31.1	1.4.1, 1.4.2	Clearing and Grubbing	Square Metre	2400		
31.2	1.4.2	Isolated Tree Clearing (As Required)	Each	5		
31 22 16		Reshaping Granular Roadbed				
31.3	1.4.1	Reshaping Granular Roadbed	Square Metre	17176		
31 23 01		Excavating, Trenching and Backfilling				
31.3a	1.10.4	Removal and Disposal of Existing Light Bases (Optional Work)	Each	22		
31 24 13		Roadway Excavation, Embankment and Compaction				
31.4	1.8.4	Remove Existing Asphalt via full-depth milling or asphalt stripping	Square Metres	22000		
31.5	1.8.4	Remove Existing Asphalt or Concrete Pavement, Sidewalks, Utility Strips, Driveways	Square Metres	920		
31.6	1.8.4	Remove Existing Concrete Curbs and Gutters	Lineal Metres	1565		
31.7	1.8.5	Common Excavation - Off-Site Disposal	Cubic Metres	720		
31.8	1.8.7	Import Common Fill- Parking Lot Area	Cubic Metres	356		
					SUBTOTAL:	

Div 32 - Roads and Site Improvements						
Section	Para	Specification Title	Unit	Quantity	Unit Price	Amount
32 11 23		Granular Base				
32.1A	1.4.2	Granular Base 100mm depth 19 mm minus - Below Curb and Gutter and Sidewalks	Tonnes	1312		
32.1	1.4.2	Granular Base 19 mm minus - Variable Thickness for Road Reshaping	Tonnes	3896		
32 12 13.1		Asphalt Tack Coat				
32.2	1.5.1	Asphalt Tack Coat	Square Metres	17235		
32 12 16		Hot-Mix Asphalt Concrete Paving				
32.3	1.5.1, 1.5.2	Asphalt Pavement 100 mm Thickness (2 lifts)	Square Metres	17235		
32.4	1.5.3	Asphalt Multi-Use Pathway 75 mm thickness	Square Metres	1284		
32.5	1.5.3	Asphalt Driveway 50 mm thickness	Square Metres	286		
32.6	1.5.7	Saw Cut Asphalt or Concrete Pavements	Lineal Metres	244		
32 17 23		Painted Pavement Markings				
32.7	1.5.2	Permanent Painted Pavement Markings	Lump Sum	1		
32.8	1.5.4	Traffic Control Signs - Rectangular Rapid Flashing Beacon (RRFB) Traffic control signs on drawings price is per sign location inclusive of posts, base, hardware and blades	Lump Sum	0		
32.9	1.5.4	Traffic Control Signs Traffic control signs on drawings price is per sign location inclusive of posts, base, hardware and blades, this includes relocation of existing signs	Each	32		
31 22 16		Reshaping Granular Roadbed				
32.1	1.4.1	Reshaping Granular Roadbed	Square Metres	0		
32 91 13-16		Mulching				
32.11		450mm shrub bed excavation & disposal (316 sq.m approx.)	Cubic Metres	142		
32.12		350mm depth imported topsoil for planting beds (316 sq.m approx.)	Cubic Metres	111		
32.13		100mm depth shredded self binding wood mulch (316 sq.m. approx.)	Cubic Metres	32		
32 92 23		Sodding				
32.14		100mm depth topsoil in sod areas (229 sq.m approx.)	Cubic Metres	23		
32.15		Sod Area	Square Metres	229		
32.16		100mm depth topsoil in sod restoration areas (2203 sq.m approx.)	Cubic Metres	220		

Div 32 - Roads and Site Improvements						
Section	Para	Specification Title	Unit	Quantity	Unit Price	Amount
32.17		Restoration Sod Area	Square Metres	2203		
32 93 00		Plants				
32.18		Boulevard Tree	Each	5		
32.19		Shrubs	Each	276		
		Site Furniture				
32.20		Wishbone MCSB-6 Mountain Classic Bench 6' (Supply only, Install By Others)	Each	4		
32.21		Wishbone HFB-32S All Metal With Recycled Plastic Siding Waste Receptacle (Supply Only, Install By Others)	Each	2		
32.22		Wishbone SLBRP-37 Sentinel 2 space Bicycle Rack (Supply Only, Install By Others)	Each	6		
32.23		Root Barrier	Square Metres	20		
SUBTOTAL:						

Appendix 1 - Schedule of Quantities

Div 33 - Utilities						
Section	Para	Specification Title	Unit	Quantity	Unit Price	Amount
33 11 01		Waterworks				
	1.8.2	Payment for watermain includes saw cutting, trench excavation, disposal of surplus excavated material, bedding, supply and installation of all pipe, bolts ,gaskets and tie-rods, imported or native backfill as specified, cleaning, pressure and leakage testing, flushing, disinfection and surface restoration under 31 23 01	Note			
33.1	1.8.1, 1.8.2	Watermain PVC 200 mm diameter depth of main 3-4m Native Backfill	Lineal Metres	374		
33.2	1.8.3	In-line Gate Valves 200 mm diameter CI-CI, CI-FL, or FL-FL	Each	11		
33.3	1.8.3	Tee 200 mm diameter 200 mm x 200 mm x 200 mm DI	Each	4		
33.4	1.8.3	Bend 200 mm diameter 90 Degree Bend PVC	Each	3		
33.5	1.8.4	Water Service Connections 38mm diameter	Each	7		
33.6	1.8.13	Watermain Tie-In to PRV	Lump Sum	1		
33.7	1.8.13	Watermain Tie-In on Fording Drive	Lump Sum	1		
33.8	1.8.13	Watermain Tie-In on Boivin Drive North	Lump Sum	1		
33.9	1.8.13	Watermain Tie-In on Boivin Drive Sosuth	Lump Sum	1		
34.10	1.8.13	Watermain Tie-In on Alpine Way from Laneway	Lump Sum	1		
34.11	1.8.13	Watermain Tie-In North of Parking Lot	Lump Sum	1		
34.12	1.8.14S	Hydrant Relocation on Alpine Way at HWY 43	Lump Sum	1		
34.13	1.8.15S	Hydrant Relocation on Alpine Way between Elk Street and Boivin Drive	Lump Sum	1		
34.14	SS	Decommish existing water wells	Each	3		
33 30 01		Sanitary Sewers				
34.15	1.6.2	Payment for sanitary sewers includes saw cutting, trench excavation, disposal of surplus excavated material, bedding, supply and installation of all pipe, fittings and related material, imported or native backfill as specified, cleaning, flushing and testing, and surface restoration under 31 23 01	Note			
34.16	1.6.1, 1.6.2	Sewer Pipe 200 mm PVC for depth of main 3-4 m Native Backfill	Lineal Metres	410		
34.17	1.6.1, 1.6.2	Sewer Pipe 250 mm PVC for depth of main 3-4 m Native Backfill	Lineal Metres	161		
34.18	1.6.1, 1.6.2	Sewer Pipe 300 mm PVC for depth of main 3-4 m Native Backfill	Lineal Metres	306		
34.19	1.6.3	Sanitary Service Connections (extend) 100 mm diameter	Each	16		
34.20	1.6.3	Sanitary Service Connections (complete) 100 mm diameter	Each	7		

Div 33 - Utilities						
Section	Para	Specification Title	Unit	Quantity	Unit Price	Amount
33 40 01		Storm Sewers				
	1.6.2	Payment for storm sewers includes saw cutting, trench excavation, disposal of surplus excavated material, bedding, supply and installation of all pipe, fittings and related material, imported or native backfill as specified, cleaning, flushing and testing, and surface restoration under 31 23 01	Note			
34.21	1.6.1, 1.6.2	Drainage Pipe 250 mm PVC SDR 35 for depth of main 1-2 m Native Backfill	Lineal Metres	20		
34.22	1.6.1, 1.6.2	Drainage Pipe 450 mm PVC SDR 35 for depth of main 1-2 m Native Backfill	Lineal Metres	27		
34.23	1.6.3	Drainage Service Connections 100 mm diameter per Standard Drawings S8	Each	4		
34.24	1.6.5	Catchbasin Lead 200 mm diameter	Lineal Metres	289		
34.25	1.6.9	Drainage Tie -In 200 mm diameter into existing manhole	Lump Sum	1		
33 42 13		Pipe Culvert				
	1.5.2	Payment for pipe culverts includes saw cutting, trench excavation, disposal of surplus excavated material, bedding, supply and installation of all pipe, fittings and related material, imported or native backfill as specified, cleaning, and surface restoration under 31 23 01	Note			
34.26	1.5.3	Storm Outlet Structure with safety grillage Concrete bag type for 450 mm diameter pipe	Each	1		
33 44 01		Manholes and Catchbasins				
	1.5.1	Payment for manhole base, lid, slab, frame, and cover includes all details shown on MMCD Standard Drawings S1, S2, S3,S4 and S5 except for risers.	Note			
34.27	1.5.1.1	Sanitary Manhole base, lid, slab, cover and frame 1050 mm diameter	Each	12		
34.28	1.5.1.2	Sanitary Manhole Riser and Tee Riser 1050 diameter	Vertical Metres	36		
34.29	1.5.1.1	Storm Manhole base, lid, slab, cover and frame 1050 mm diameter	Each	4		
34.30	1.5.1.2	Storm Manhole Riser and Tee Riser 1050 diameter	Vertical Metres	10		
34.31	1.5.1.6	Add Manhole to Existing System 1050 mm diameter	Each	2		
34.32	1.5.2	Catchbasin Top Inlet Standard Drawing S11	Each	39		

Div 33 - Utilities						
Section	Para	Specification Title	Unit	Quantity	Unit Price	Amount
34.33	N/A	Drywell	Each	1		
33 01 00		Fibre Optic				
34.34	SS	75 mm DB2 Conduit, <i>separate trench</i>	Lineal Metres	716		
34.34a	SS	75 mm DB2 Conduit in common trench with street lighting power conduit	Lineal Metres	585		
34.35	SS	Fibre Optic Pull Boxes	Each	10		
SUBTOTAL:						

Appendix 1 - Schedule of Quantities

All work in this section to be Optional Work as per MMCD GC 1.48

Alpine Way at Highway 43						SUBTOTAL:	
Section	Para	Specification Title	Unit	Quantity	Unit Price	Amount	
03 30 20		Concrete Walks, Curb And Gutter					
35.1	1.4.1	Excavation, fill, subgrade to be under 31 24 13 Roadway Excavation Embankment and Compaction	Note				
35.2	1.4.2	Granular Subbase and granular base under curb & gutter to be under 31 11 23 Granular Base and 32 11 16.1 Granular Subbase	Note				
35.3	1.4.3	Machine Placed or Precast Curb & Gutter	Lineal Metres	34			
31 24 13		Roadway Excavation, Embankment and Compaction					
35.4	1.8.4	Remove Existing Asphalt or Concrete Pavement, Sidewalks, Utility Strips, Driveways	Square Metres	280			
35.5	1.8.4	Remove Existing Concrete Curbs and Gutters	Square Metres	5			
35.6	1.8.9	Subgrade Preparation	Square Metres	287			
32 11 23		Granular Base					
35.7	1.4.2	Granular Base 25 mm minus - 150 mm Thickness for Roads	Tonnes	43			
32 12 13.1		Asphalt Tack Coat					
35.8	1.5.1	Asphalt Tack Coat	Square Metres	287			
32 12 16		Hot-Mix Asphalt Concrete Paving					
35.9	1.5.1, 1.5.2	Asphalt Pavement 100 mm Thickness (2 lifts)	Square Metres	287			
35.1	1.5.7	Saw Cut Asphalt or Concrete Pavements	Lineal Metres	44			
32 17 23		Painted Pavement Markings					
35.11	1.5.2	Permanent Painted Pavement Markings	Lump Sum	1			
35.12	1.5.4	Traffic Control Signs Traffic control signs on drawings price is per sign location inclusive of posts, base, hardware and blades	Each	2			
		Landscaping					
35.13		Landscaping	Lump Sum	1			
32 01 11		Pavement Surface Cleaning and Remove Pavement Marking					
35.14	1.2.3	Remove Pavement Markings	Lump Sum	1			
Elk Street						SUBTOTAL:	
Section	Para	Specification Title	Unit	Quantity	Unit Price	Amount	
03 30 20		Concrete Walks, Curb And Gutter					

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All work in this section to be Optional Work as per MMCD GC 1.48

35.15	1.4.1	Excavation, fill, subgrade to be under 31 24 13 Roadway Excavation Embankment and Compaction	Note			
35.16	1.4.2	Granular Subbase and granular base under curb & gutter to be under 31 11 23 Granular Base and 32 11 16.1 Granular Subbase	Note			
35.17	1.4.3	Machine Placed or Precast Curb & Gutter	Lineal Metres	253		
35.18	1.4.5	Concrete Walks, Infill Strips and Walkways 1.5 m Width, Including ramps, 100mm thickness	Square Metres	192		
31 22 16		Reshaping Granular Roadbed				
35.18a	1.4.1	Reshaping Granular Roadbed	Square Metre	2040		
31 24 13		Roadway Excavation, Embankment and Compaction				
35.19	1.8.5	Common Excavation - Off-Site Disposal	Cubic Metres	51		
35.20	1.8.4	Remove Existing Concrete Curbs and Gutters	Square Metres	253		
35.21	1.8.9	Subgrade Preparation	Square Metres	2040		
32 11 23		Granular Base				
35.21a	1.4.2	Granular Base 100mm depth 19 mm minus - Below Curb and Gutter and Sidewalks	Tonnes	111		
35.21b	1.4.2	Granular Base 19 mm minus - Variable Thickness for Road Reshaping	Tonnes	247		
32 12 16		Hot-Mix Asphalt Concrete Paving				
35.22	1.5.1, 1.5.2	Asphalt Pavement 100 mm Thickness (2 lifts)	Square Metres	2040		
35.23	1.5.7	Saw Cut Asphalt or Concrete Pavements	Lineal Metres	208		
32 17 23		Painted Pavement Markings				
35.24	1.5.2	Yellow Centre Line	Lineal Metres	125		
		Landscaping				
35.25		Landscaping	Lump-Sum	+	\$0.00	\$0.00
32 01 11		Pavement Surface Cleaning and Remove Pavement Marking				
35.26	1.2.3	Remove Pavement Markings (centre line only)	Lump Sum	1		
33 40 01		Storm Sewers				
35.27	1.6.1, 1.6.2	Drainage Pipe 250 mm PVC SDR 35 for depth of main 1-2 m Imported Backfill	Lineal Metres	76	\$0.00	\$0.00
35.28	1.6.5	Catchbasin Lead 200 mm diameter	Lineal Metres	28	\$0.00	\$0.00
33 44 01		Manholes and Catchbasins				
35.29	1.5.1.1	Storm Manhole base, lid, slab, cover and frame 1050 mm diameter	Each	1	\$0.00	\$0.00
35.30	1.5.1.2	Storm Manhole Riser and Tee Riser 1050 diameter	Vertical Metres	2	\$0.00	\$0.00
35.31	1.5.2	Catchbasin Top Inlet Standard Drawing S11	Each	2	\$0.00	\$0.00

Appendix 1 - Schedule of Quantities

All work in this section to be Optional Work as per MMCD GC 1.48

Boivin Road Sidewalks and Curbs				SUBTOTAL:		
03 30 20		Concrete Walks, Curb And Gutter				
35.32	1.4.1	Excavation, fill, subgrade to be under 31 24 13 Roadway Excavation Embankment and Compaction	Note			
35.33	1.4.2	Granular Subbase and granular base under curb & gutter to be under 31 11 23 Granular Base and 32 11 16.1 Granular Subbase	Note			
35.34	1.4.3	Machine Placed or Precast Curb & Gutter	Lineal Metres	157		
35.35	1.4.5	Concrete Walks, Infill Strips and Walkways 1.5 m Width, Including ramps, 100mm thickness	Square Metres	309		

32 17 23		Painted Pavement Markings				
35.36	1.5.2	Permanent Painted Pavement Markings	Lump Sum	1		
31 24 13		Roadway Excavation, Embankment and Compaction				
35.37	1.8.4	Remove Existing Concrete Curbs and Gutters	Square Metres	157		

Senior Home Sidewalk				SUBTOTAL:		
03 30 20		Concrete Walks, Curb And Gutter				
35.38	1.4.1	Excavation, fill, subgrade to be under 31 24 13 Roadway Excavation Embankment and Compaction	Note			
35.39	1.4.2	Granular Subbase and granular base under curb & gutter to be under 31 11 23 Granular Base and 32 11 16.1 Granular Subbase	Note			
35.40	1.4.5	Concrete Walks, Infill Strips and Walkways 1.5 m Width, Including ramps, 100mm thickness	Square Metres	20		