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**REVISION 001 TO A
INVITATION TO TENDER**

**RÉVISION 001 À UNE
INVITATION À SOUMISSIONNER
DEMANDE D'OFFRES À
COMMANDES**

The referenced document is hereby revised; unless otherwise indicated, all other terms and conditions of the Offer remain the same.

Ce document est par la présente révisé; sauf indication contraire, les modalités de l'offre demeurent les mêmes.

Issuing Office - Bureau de distribution :
Parks Canada Agency
Calgary, AB

Title - Sujet : Lake Louise Water Sewer System Upgrades – Banff National Park	
Solicitation No. - N° de l'invitation : 5P420-20-0149/A	Date : August 20, 2020
Amendment No. - N° de modification : 001	
Client Reference No. - N° de référence du client : 914	
GETS Reference No. N° de référence de SEAG : PW-20-00922864	

Solicitation Closes - L'invitation prend fin : At - à : 2:00 PM On - le : August 27, 2020	Time Zone - Fuseau horaire MDT - HAR
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F.O.B. - F.A.B. : Plant - Usine : <input type="checkbox"/> Destination : <input checked="" type="checkbox"/> Other - Autre : <input type="checkbox"/>		
Address Enquiries to - Adresser toutes demande de renseignements à : Rebecca Chen		
Telephone No. - N° de telephone : (587) 439-3529	Fax No. -N° de télécopieur : (866) 246-6893	Email Address – Courriel : rebecca.chen2@canada.ca
Destination of Goods, Services, and Construction - Destination des biens, services, et construction : Banff National Park See Herein – Voir ici		

TO BE COMPLETED BY THE BIDDER - À REMPLIR PAR LE SOUMISSIONNAIRE

Vendor/ Firm Name - Nom du fournisseur/ de l'entrepreneur :	
Address - Adresse :	
Telephone No. - N° de telephone :	Fax No. - N° de télécopieur :
Name of person authorized to sign on behalf of the Vendor/Firm Nom de la personne autorisée a signer au nom du fournisseur/ de l'entrepreneur	
Signature :	Date :

Amendment 001

This amendment is being raised to distribute site visit information, questions and answers, make changes to the tender package, and to replace Appendix 1 - Combined Price Form.

A. Site Visit

1) Site Visit Attendees

Vendor	Representative's Name
Whissell	Gus Stamm
Greenfield Construction	Alain Despres
Greenfield Construction	Scott Creamer
Bogdan Construction	Bogdan Buziak
Slimdor Contracting	Derek Goett
Pidherney's	Dana Womacks
Everest Construction	Coleton Derochie
Blackie Sitework	Mike Kendall
NorthStar	Dale Hull
PME	Kyle Francom

2) Clarifications

1. Groundwater infiltration and high flow volumes from the Chateau have been observed at MH S201. Bidders are encouraged to inspect the Manhole to review conditions.
2. Parshall Flume original detail drawings have been provided in Amendment 1 Appendix 2 below. Accuracy of drawings cannot be confirmed and contractor should use them as information only.
3. Hours of work at the Lake Louise Inn shall be from 9:30am to 8:00pm.
4. New Fortis utility has been completed along Slate Road not shown on the drawings. As-builts will be provided after contract award. The line follows the right shoulder of the roadway from the intersection of the highway to the Pipestone parking lot.
5. All work at Bow River Sanitary crossing section must be completed between September 30, 2020 and May 30, 2021.

B. Question and Answer

Q1 Are there designated stockpile areas by the Lake Louise Inn?

A1 Stockpile areas to designated upon contract award in consultation with the Lake Louise Inn.

Q2 Is power the only shallow utility by the Lake Louise Inn?

A2 Private locates shall be the responsibility of the contractor to confirm all existing and non-listed shallow utilities.

Q3 Are the trees in the landscaped area by the Lake Louise Inn to be replaced?

A3 All landscaping to be restored to existing or better per section 01 29 01 Method of Measurement and Payment, Part 3, 3.5.7.3. Planting to include no less than 8 mature trees matching existing species (coniferous trees at 2.5m height, deciduous trees at 75mm caliper). Shrubs should provide equivalent coverage as existing. Plant species and layout to be reviewed and approved by PCA. Any existing bark

mulch, fabric, decorative rocks and boulders, electrical and any other existing features to be replaced to match existing condition.

Q4 Is there irrigation inside the landscaped area at the Lake Louise Inn?

A4 There is no irrigation within the roundabout island at the Lake Louise Inn.

Q5 Is the curb and gutter around the landscape island at the Lake Louise Inn to be saved?

A5 Construction footprint to be kept within existing concrete curb. Any damage to island's curb and gutter including but not limited to undermining the of the structure is the responsibility of the contractor to remediate.

Q6 Can you clarify where the topsoil and seed areas are.

A6 Additional topsoil and seed is anticipated to be needed along the highway shoulder.

Q7 Can you clarify the difference between Topsoil stripping (haul off-site) and Topsoil & seed quantities.

A7 'Topsoil Stripping (haul offsite)' is intended for any material that cannot be reused onsite. 'Topsoil and seed' is for imported topsoil required for rehabilitation in areas where material has been disposed of. These quantities are for the watermain upgrade adjacent to the highway where we anticipate greater quantities of deleterious material. Bidders should note that preference is to maintain organic material within the National Park. Any imported material must be approved by Parks Canada.

Q8 What type of access shall be maintained at the entrance at the Post hotel?

A8 Single lane traffic to allow for daily service and delivery vehicles. Multi-day closure to traffic will be possible with coordination with departmental representative to complete entrance to the Post hotel while single lane traffic will not be possible.

Q9 Is there a specific construction window to be followed for the section of work on Village Road between Lake Louise Inn and the Post Hotel?

A9 MH 229 by Village Road marks transition point between pipe bursting from Lake Louise Inn and open excavation towards the Post Hotel. All pipe bursting north of MH 229 falls under the Lake Louise Inn Schedule, open cut excavation south of MH 229 falls under the Post Hotel schedule. Single lane vehicle access to the Post Hotel is required at all times outside Post Hotel scheduled closure. See Tender specs for specific construction start/end dates for work at the Lake Louise Inn and Post Hotel.

Q10 How should the surface be left at the November completion at the Post Hotel?

A10 Priority is to have a paved surface completed. Should conditions not be favorable to complete the asphalt rehabilitation, a driveable surface shall be installed and maintained until paving can be completed in the spring.

Q11 Will payment be supplied should the light pedestal at the entrance of the Post Hotel become undermined due to trenching activity.

A11 Pedestal to be left as is, any protection measures to be incidental to the work.

Q12 What is covered under the curb and gutter line item.

A12 Any curb and gutter lying within the estimated construction limits and in direct conflict with the work shall be covered under this line item. The curb and gutter around the landscaped island at the Lake Louise Inn is not covered under this line item. It is the responsibility of the contractor to ensure the landscaped island's curb and gutter does not become damaged or shall be required to remediate at their expense.

Q13 Are flows available at the Post Hotel?

A13 No flow data is available.

Q14 Is temporary service required for the Post Hotel during construction?

A14 Contractor shall bid to supply temporary service to all buildings. The existing watermain can be used to service the building during construction, if there are any interruptions to water service, a temporary service shall be required.

Q15 Can further clarification be given regarding the expectations on the ESC.

A15 ESC to follow Section 01 35 43 - Environmental Procedures.

Q16 Can payment be provided to replace the wildlife fencing at the campground?

A16 Replacement of wildlife fencing incidental to work.

Q17 Is a licensed professional required to reconnect power to the wildlife fence?

A17 Fencing power will be shut off during work by PCA. Contractor to re-establish all connections upon rehabilitation completion. Work to be completed between September 30, 2020 and May 30, 2021.

Q18 Can flows from the Chateau be provided?

A18 Flow estimates, based off of water usage, for all services on that line for 2018/2019 were as follows. April 1, 2018-July 1, 2020 was 53,203m³. July 1, 2018-October 1, 2018 was 78,640m³. October 1, 2018-January 1, 2019 was 53,918m³. January 1, 2019-April 1, 2019 was 45,869m³. Volumes presented are considered historical flows and do not include inflow and infiltration. Peak flows should be calculated based on engineering judgement. Responsibility of Contractor to plan accordingly as flows may vary. No extras shall be given for additional bypass costs.

Q19 Where can material be stockpiled by the Trans Canada Highway? Can excavated material be placed adjacent to the excavation?

A19 Excavation shall be completed with the least possible environmental damage. Excess waste can be hauled to a designated pit within 8km of Lake Louise.

Q20 Can Depth of Bury for the watermain by the TCH be reduced?

A20 Construction to be completed as per the Tender drawings.

Q21 Will hydrants on Harry's hill require temporary service during construction?

A21 Water service shall be maintained during hydrant replacements. Coordination with fire department via PCA is required prior to construction.

Q22 What seed mix is required for general rehabilitation?

A22 Agrostis scabra -Tickle grass 40%
Poa palustris -Fowl bluegrass 40%
Agropyron trachycaulus var. subsecundus * -Awned wheat grass 20%

Q23 Can asphalt be used as backfill?

A23 Asphalt is to be removed and disposed of outside of the Park.

Q24 Please clarify extent of rehabilitation of the brick work at the Post Hotel.

A24 Brick work to be replaced as existing.

Q25 Is there CCTV of the sanitary crossing at the Bow River?

A25 A CCTV video and report was conducted in May 2019 and completed to assess the existing condition of the main. Information to be used to assess existing condition only and is not an indication of the current amount of debris in the line to be cleaned out prior to construction. CCTV video and report attached.

C. Tender Package Revisions

A. Tender Package

Add: DSP2_20-0149 *CCTV Video and Report*

B. Specifications

1. **In:** Section 01 29 01 Methods of Measurement and Payment Part 3. Section 3.1

Delete: Item .3.3.3 Topsoil Stripping (Haul off-site)

Replace with: Item .3.3.3 Topsoil Stripping (Haul off-site)

Excavating, loading and hauling to an approved dump site outside the Park **for any deleterious material.**

2. **In:** Section 01 29 01 Methods of Measurement and Payment Part 3. Section 3.2

Add: Item .1 Remove and Replace Existing Water Main

.3 Payment shall include the supply of all labour, material and plant to install the new water main to lines and grades shown on the plans. The work includes:

.13 All efforts required to complete Topsoil stripping (to be reused), stockpiling, tarping, re-spreading or salvaged material, re-seeding.

3. **In:** Section 01 29 01 Methods of Measurement and Payment Part 3. Section 3.2

Add: Item .2 Proposed Water Main

.3 Payment shall include the supply of all labour, material and plant to install the new water main to lines and grades shown on the plans. The work includes:

.12 All efforts required to complete Topsoil stripping (to be reused), stockpiling, tarping, re-spreading or salvaged material, re-seeding.

4. **In:** Section 01 29 01 Methods of Measurement and Payment Part 3. Section 3.2

Add: Item .3 Remove and Replace Existing Water Main – Pipe Bursting

.3 Payment shall include the supply of all labour, material and plant to install the new water main to lines and grades shown on the plans. The work includes:

.14 All efforts required to complete Topsoil stripping (to be reused), stockpiling, tarping, re-spreading or salvaged material, re-seeding.

5. **In:** Section 01 29 01 Methods of Measurement and Payment Part 3. Section 3.2

Add: Item .6 Abandon Existing Water Main in Place

.3 Payment shall include the supply of all labour, material and plant to abandon an existing watermain in place. The work includes:

.13 All efforts required to complete Topsoil stripping (to be reused), stockpiling, tarping, re-spreading or salvaged material, re-seeding.

6. **In:** Section 01 29 01 Methods of Measurement and Payment Part 3. Section 3.2
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Add: Item .11 Remove Existing Drain Valve and Manhole

.3 Payment shall include the supply of all labour, material and plant to remove existing drain valve and manhole. The work includes:

.14 All efforts required to complete Topsoil stripping (to be reused), stockpiling, tarping, re-spreading or salvaged material, re-seeding.

7. **In:** Section 01 29 01 Methods of Measurement and Payment Part 3.Section 3.3

Add: Item .1 Remove and Replace Existing Sanitary Sewer – Pipe Bursting

.3 Payment shall include the supply of all labour, material and plant to remove install the new sewer pipe through pipe bursting to lines and grades shown on the plans. The work includes:

.14 All efforts required to complete Topsoil stripping (to be reused), stockpiling, tarping, re-spreading or salvaged material, re-seeding.

8. **In:** Section 01 29 01 Methods of Measurement and Payment Part 3.Section 3.3

Add: Item .2 Remove and Replace Existing Sanitary Sewer – Open Cut

.3 Payment shall include the supply of all labour, material and plant to remove and dispose of the old pipe and install the new sewer pipe to lines and grades shown on the plans. The work includes:

.14 All efforts required to complete Topsoil stripping (to be reused), stockpiling, tarping, re-spreading or salvaged material, re-seeding.

9. **In:** Section 01 29 01 Methods of Measurement and Payment Part 3.Section 3.3

Add: Item .3 New Sanitary Sewer

.3 Payment shall include the supply of all labour, material and plant to install the new sewer pipe to lines and grades shown on the plans. The work includes:

.12 All efforts required to complete Topsoil stripping (to be reused), stockpiling, tarping, re-spreading or salvaged material, re-seeding.

10. **In:** Section 01 29 01 Methods of Measurement and Payment Part 3.Section 3.3

Add: Item .4 Abandon Existing Sanitary Sewer in Place

.3 Payment shall include the supply of all labour, material and plant to abandon the sanitary sewer in place per City of Calgary guidelines. The work includes:

.13 All efforts required to complete Topsoil stripping (to be reused), stockpiling, tarping, re-spreading or salvaged material, re-seeding.

11. **In:** Section 01 29 01 Methods of Measurement and Payment Part 3, Section 3.3

Delete: Item .9 CIPP Lining of Existing 200mm Siphon – Bow River

Replace with: Item .9 CIPP Lining of Existing 200mm **Sanitary** – Bow River

12. **In:** Section 01 29 01 Methods of Measurement and Payment Part 3. Section 3.3

Add: Item .9 CIPP Lining of Existing 200mm Sanitary – Bow River

.3 Payment shall include the supply of all labour, material and plant to install the new CIPP liner within the existing sewer pipe as shown on the plans. The work includes:

.14 All efforts required to complete Topsoil stripping (to be reused), stockpiling, tarping, re-spreading or salvaged material, re-seeding.

13. **In:** Section 01 29 01 Methods of Measurement and Payment Part 3. Section 3.3

Add: Item .11 Remove Existing Parshall Flume and Replace with 5A Manhole

.3 Payment shall include the supply of all labour, material and plant to remove and dispose of the old Parshall flume and to construct the new manhole. The work includes:

.16 All efforts required to complete Topsoil stripping (to be reused), stockpiling, tarping, re-spreading or salvaged material, re-seeding.

14. **In:** Section 01 29 01 Methods of Measurement and Payment Part 3. Section 3.4

Add:

.11 Removal and Disposal of Existing Concrete Sidewalk

Measurement shall be made in square metres (S.M.).

Payment shall be made on the unit price bid per square metres (S.M.) of concrete sidewalk removed.

Concrete removal and disposal quantities shall be paid to the maximum area required to maintain safe trenching. Any removal and disposal over and above this amount will require prior approval from the Department Representative.

Payment shall include the supply of all labour, material and plant for removal and disposal of existing concrete sidewalk. The work includes:

Traffic accommodations, barricades, flag-person or temporary traffic control as required

Sawcutting, breaking, excavation, loading, hauling.

Determination of a suitable disposal site outside the Park and providing the Department Representative with signoff of acceptance of waste material.

Removal of material to disposal site.

Dump fees.

Cleaning, removal of debris.

All efforts required to complete Topsoil stripping (to be reused), stockpiling, tarping, re-spreading or salvaged material, re-seeding.

All incidental work and items required to complete the work for which payment is not specified elsewhere.

15. **In:** Section 01 29 01 Methods of Measurement and Payment Part 3. Section 3.4

Add:

- .12 New Concrete Sidewalk
 - .1 *Measurement shall be made in square metres (S.M.).*
 - .2 *Payment shall be made on the unit price bid per square metre (S.M.) installed.*
 - .3 *Payment shall include the supply of all labour, material and plant for concrete sidewalks. The work includes:*
 - .1 *Excavation, grading, subgrade preparation and compaction.*
 - .2 *Removal of excavated material to disposal areas.*
 - .3 *Supply, placement and compaction of sub base material.*
 - .4 *Connection to existing sidewalk with 10M dowels where required.*
 - .5 *Supply and placing of fibre reinforced concrete, and rebar reinforcement for thickenings.*
 - .6 *Forming, jointing, finishing, curing and testing.*
 - .7 *Grading, compaction, topsoil and seed of all disturbed work area*
 - .8 *Cleaning, removal of debris.*
 - .9 *All efforts required to complete Topsoil stripping (to be reused), stockpiling, tarping, re-spreading or salvaged material, re-seeding.*
 - .10 *All incidental work and items required to complete the work for which payment is not included elsewhere.*

C. APPENDIX 1 – COMBINED PRICE FORM (see following pages)

THE ATTACHED PRICE FORM MUST BE USED IN ORDER FOR A BID TO BE DEEMED RESPONSIVE. ANY BIDS SUBMITTED USING THE PREVIOUS PRICE FORM WILL NOT BE ACCEPTED.

CHANGES ARE SHOWN IN RED.

Delete: APPENDIX 1 – COMBINED PRICE FORM in its entirety

Replace with: See attached

ALL OTHER TERMS & CONDITIONS REMAIN UNCHANGED

APPENDIX 1 - COMBINED PRICE FORM

- 1) The prices per unit will govern in establishing the Total Extended Amount. Any arithmetical errors in this Appendix will be corrected by Canada.
- 2) Canada may reject the bid if any of the prices submitted do not reasonably reflect the cost of performing the part of the work to which that price applies.

Note: Bidders are reminded that it is their responsibility to include in their bid all work as described in the drawings and specifications. Pricing for work not accounted for in the Unit Price Table including but not limited to Mobilization, De- Mobilization, etc. is to be included in the Lump Sum Table.

COMBINED PRICE TABLE

The Combined Price Table designates Work to which a Lump Sum or Unit Price Arrangement applies.

- (a) Work included in the Lump Sum Amount represents all work not included in the unit price table.
- (b) Work included in each item is as described in the referenced specification section.
- (c) The Price per Unit shall not include any amounts for Work that is not included in that unit price Item.

Item	Specification Reference	Class of Labour, Plant or Material	Unit of Measurement	Estimated Quantity (EQ)	Price per Unit applicable tax(es) extra (PU)	Extended amount (EQ x PU) applicable tax(es) extra
A – Site Works						
1.	01 35 43	Erosion and Sediment Control	Lump Sum	1		\$
2.	31 11 00	Clearing and Grubbing	m ²	250	\$	\$
3.	31 14 13 32 91 19.13	Topsoil Stripping (Haul off-site)	m ²	1,000	\$	\$
SUBTOTAL SECTION A						\$
B – Water Mains						
1.	31 23 33 33 11 16	Remove and Replace Existing 200 CI Water Main - Proposed 300 PVC C900, Class 150 DR 18, 3.3m Bury, Open Cut	Linear Metre	629	\$	\$
2.	31 23 33 33 11 16	Proposed 300 PVC C900, Class 150 DR 18, 3.3m Bury, Open Cut	Linear Metre	345	\$	\$
3.	02 41 12.13 33 05 23B 33 11 16	Remove and Replace Existing 200 CI Water Main - Proposed 300 HDPE Water, 3.3m Bury, Pipe Bursting	Linear Metre	267	\$	\$
4.	31 23 33 33 11 16 33 11 16.13 3 12 13	Connect to Existing 400 HDPE Reservoir Transmission Main	EA	1	\$	\$

Item	Specification Reference	Class of Labour, Plant or Material	Unit of Measurement	Estimated Quantity (EQ)	Price per Unit applicable tax(es) extra (PU)	Extended amount (EQ x PU) applicable tax(es) extra
5.	31 23 33 33 11 16 33 11 16.13 3 12 13	Connect to Existing Water Distribution Main (300mm and under)	EA	6	\$	\$
6.	33 11 16	Abandon Existing Water Main in Place	EA	3	\$	\$
7.	31 23 33 32 12 13	Reconnect Existing Building Service to Proposed Water Main	EA	6	\$	\$
8.	31 23 33 32 12 13	Extend and Reconnect Water Service for the Post Hotel	Lump Sum	1		\$
9.	31 23 33 33 11 16	Remove and Replace Existing Hydrant, Lead and Valve	EA	5	\$	\$
10.	31 23 33 33 11 16	Supply and Install New Hydrant c/w Lead and Valve	EA	1	\$	\$
11.	31 23 33 33 11 16	Remove Existing Drain Valve and Concrete Manhole	Lump Sum	1		\$
12.	01 51 00	Provide Temporary Water Service to Buildings During Construction	Lump Sum	1		\$
13.	31 23 33 33 11 16	Remove and Replace Existing Water Valve	EA	1	\$	\$
14.	31 23 33 33 11 16	Install Curb Stop on Existing Building Service	EA	2	\$	\$
SUBTOTAL SECTION B						\$
C – Sanitary Sewer						
1.	33 05 23B 33 31 11 31 23 33	Remove and Replace Existing Sanitary Sewer - Pipe Bursting 300mm dia PVC SDR 35	Linear Metre	240	\$	\$
2.	31 23 33 33 31 11	Remove and Replace Existing Sanitary Sewer - Open Cut 200mm dia PVC SDR 35	Linear Metre	242	\$	\$
3.	33 31 11	New Sanitary Sewer, PVC SDR 35 300mm	Linear Metre	200	\$	\$
4.	33 31 11	Abandon Existing Sanitary Sewer in Place - Manhole	EA	2	\$	\$

Item	Specification Reference	Class of Labour, Plant or Material	Unit of Measurement	Estimated Quantity (EQ)	Price per Unit applicable tax(s) extra (PU)	Extended amount (EQ x PU) applicable tax(s) extra
5.	33 31 11	Abandon Existing Sanitary Sewer in Place - Pipe	EA	4	\$	\$
6.	33 05 16	Existing Manhole - Adjust Benching	EA	12	\$	\$
7.	33 05 16	Existing Manhole - Adjust Rim	EA	2	\$	\$
8.	31 23 33 33 05 16	Manhole – New Type 5A, complete	Vertical Metre	9	\$	\$
9.	33 05 23.22 City of Calgary Sewer Bypass Pumping Guidelines	Temporary Sanitary Sewer Bypass During Construction	Lump Sum	1		\$
10.	33 05 23.22	CIPP Lining of Existing 200mm Siphon - Bow River	Linear Metre	137.5	\$	\$
11.	31 23 33 33 05 16	Reconnect Existing Sanitary Service	EA	3	\$	\$
12.	31 23 33 33 05 16 33 31 11	Remove existing Parshall Flume and Replace with 5A Manhole	Lump Sum	1		\$
13.	01 52 00 01 56 00 01 74 21 32 03 11 G2050	Additional efforts required to ensure existing curb and cobblestone surface remain undisturbed at Lake Louise Inn Roundabout	Lump Sum	1		\$
14.	33-05-16	Remove Existing MH and Replace with New Type 5A MH	Vertical Metre	16	\$	\$
15.	31 23 33 33 31 11	Sanitary Insulation - Styrofoam HI40 50mm Thick 2.4 wide	Linear Metre	100	\$	\$
16.	33 05 16	Remove and Replace Manhole S201	Vertical Metre	4	\$	\$
17.	33 05 16	Remove and Replace Existing MH Collars with Concrete Collars (50mm)	EA	5	\$	\$
SUBTOTAL SECTION C						\$

Item	Specification Reference	Class of Labour, Plant or Material	Unit of Measurement	Estimated Quantity (EQ)	Price per Unit applicable tax(s) extra (PU)	Extended amount (EQ x PU) applicable tax(s) extra
D – Roadworks						
1.	31 23 33	Waste Excavation	m ³	2000	\$	\$
2.	02 41 12.13	Removal and Disposal of Ex Asphalt	m ²	4450	\$	\$
3.	01 74 21	Removal & Disposal of Existing Concrete Curb & Gutter	Linear Metre	50	\$	\$
4.	31 22 16.13	Subgrade Prep	m ²	4450	\$	\$
5.	31 05 16 32 11 16.01	Granular Sub-base 300 mm Compacted Thickness	m ²	4450	\$	\$
6.	31 05 16 32 11 16.01	Granular Base Course, 25 mm Crushed Gravel 100 mm Compacted Thickness	m ²	4450	\$	\$
7.	32 12 13.23	Prime Coat	m ²	4450	\$	\$
8.	32 12 13.16 32 12 16	Asphaltic Concrete Pavement, Hot Mix - 120mm Compacted Thickness Mix 'A' or Superpave	m ²	4450	\$	\$
9.	32 12 13.16 32 12 16	Asphaltic Concrete Pavement, Hot Mix - 40mm Compacted Thickness Mix 'C' or Superpave Fine	m ²	4450	\$	\$
10.	03 10 00 03 02 00 03 30 00	Concrete Curb & Gutter	Linear Metre	50	\$	\$
11.	32 17 23	Pavement Markings	Linear Metre	150	\$	\$
12.	01 74 21	Removal & Disposal of Existing Concrete Sidewalk	m ²	15	\$	\$
13.	03 10 00 03 02 00 03 30 00	Install New Sidewalk	m ²	15	\$	\$
SUBTOTAL SECTION D						\$
E – Miscellaneous						
1.	01 21 00	Prime Cost Sum	Lump Sum	1		\$ 200,000
2.	01 52 00	Traffic Control, Barricades & Signs	Lump Sum	1		\$
3.	32 92 19.13	Topsoil & Seed	m ²	1000	\$	\$
4.	01 52 00	Remove and Replace Existing Culverts c/w Rip Rap	Linear Metre	17	\$	\$

Item	Specification Reference	Class of Labour, Plant or Material	Unit of Measurement	Estimated Quantity (EQ)	Price per Unit applicable tax(s) extra (PU)	Extended amount (EQ x PU) applicable tax(s) extra
5.	01 11 00	General Requirements	Lump Sum	1		\$
6.	31 05 16 31 23 33	Remove boulders from excavation and backfill with imported granular material. Payment based on tonnage of imported granular	tonne	250	\$	\$
7.	32 03 11 G2050	Landscaping Rehabilitation - including Post Hotel and Lake Louise Inn	Lump Sum	1		\$
SUBTOTAL SECTION E						\$
TOTAL BID AMOUNT (A+B+C+D+E)						\$
Excluding applicable tax(s)						

APPENDIX 2 - PARSHALL FLUME DRAWINGS



