

NOTICE TO POTENTIAL PROPONENTS

ADDENDUM 3 – East Coulee Phase 1 & 2

RFT#2023-02-16

To all Bidders:

The following changes, additions, and/or deletions are hereby made a part of RFT Documents as fully and completely as if the same were fully set forth therein:

Project Name: RFT - East Coulee Phase 1 & 2 #2023-02-16									
Date: March 27, 2023									
Item	Detail								
A3.1	<p>Clarification on Scope</p> <p>To better clarify the scope of this project, please see the following:</p> <ul style="list-style-type: none"> DWG C-131: "and jersey barrier storage" removed from Laydown area note. As stated in the Tender documents, jersey barriers are to be removed and taken to the Drumheller Public Works Yard (702 Premiere Way, Drumheller). DWG C-137: MH-33 extension on 2 Ave at the downstream edge of Phase 2 added to the drawing. Price Schedule: Phase 2 Item 44 added; Phase 2 Items 44 to 52 advanced 1 to Items 45 to 53. <table border="1" style="width: 100%; border-collapse: collapse; margin-top: 10px;"> <tr> <td style="width: 10%; text-align: center;">44</td> <td style="width: 40%;">5A Concrete Manhole Extension MH33 (0.89 m) – Supply and Install (H.C.S. 2.10) (H.C.S. 5.16) (Special Provisions 4.53)</td> <td style="width: 10%; text-align: center;">1</td> <td style="width: 20%; text-align: center;">Lump Sum</td> <td style="width: 10%; text-align: center;">\$</td> </tr> </table>				44	5A Concrete Manhole Extension MH33 (0.89 m) – Supply and Install (H.C.S. 2.10) (H.C.S. 5.16) (Special Provisions 4.53)	1	Lump Sum	\$
44	5A Concrete Manhole Extension MH33 (0.89 m) – Supply and Install (H.C.S. 2.10) (H.C.S. 5.16) (Special Provisions 4.53)	1	Lump Sum	\$					
A3.2	<p>Clarification on Scope</p> <p>To better clarify the scope of this project, please see the following:</p> <p>Question 1: The Town indicated in the meeting they are open to pre-purchase long lead items in 2023, for 2024 work. Could the borrow clay material for 2024 be hauled and stockpiled in 2023, in order to reduce risks with borrow pits?</p> <p><i>Answer 1: Stockpiling of Borrow Fill, Impervious Fill, and Imported Topsoil will not be allowed over the winter of 2023/2024. Gravels, riprap, pre-cast concrete structures, and culverts can be stockpiled within designated laydown areas over the winter for 2024 work. Contractors shall assume that no additional storage areas outside of designated laydown areas will be provided by the Town.</i></p> <p>Question 2: Can you confirm the suitability and classification testing requirements for the borrow fill? The requirements for testing are laid out in section 4.62, and addendum 1, but the frequencies of tests are not clear.</p> <p><i>Answer 2: Testing outlined in Table 1 of the Updated Parkland Borrow Source Letter provided in Addendum 1 shall be performed at a minimum once per 10,000 m³ of fill per Borrow source prior to</i></p>								

using borrow fill on site. Further testing may be required at the Consultant's request if they are not satisfied with the quality of the Borrow Fill.

Question 3: It was discussed onsite that hydrovac of existing utilities would be required. Can a cash allowance item for hydrovac also be added to the tender, to make it fair for all parties?

Answer 3: Performing utility checks by hydrovac for laydown areas and temporary access roads can be paid for under those existing cash allowance items (Phase 1 Items 58 and 59, Phase 2 Items 52 and 53). Utility checks are considered incidental to all other berm construction work per the Tender documents.

Question 4: For the trees to be cleared at the east end of the site, behind private land – Contractors and subcontractors are not able to get back to look at the large trees to be removed, which is a substantial amount of work. In order to make fair for all parties, we are requesting a cash allowance item be added for this area of clearing work in phase 2. And do you have any summertime photos of these trees to share with contractors?

Answer 4: No additional Cash Allowance will be provided for tree clearing. Trees behind properties can be accessed from the Waste Water Treatment Plant as that land is public property and the majority of trees on properties along River Drive that are scheduled for removal can be viewed from River Drive or the road right-of-ways at 1 St. & 2 St. Tree sizes of those identified in DWG C-136 have been provided in the attached "East Coulee Phase 2 Tree Info" document. No summer photos are available of the tree clearing area.

Question 5: It was indicated some additional clearing work (incidental) is required for the upstream riprap placement in phase 1. Can you confirm the estimated clearing area? As we are unable to see the riprap placement limits in the field.

Answer 5: Tree clearing work required to install riprap will need to be determined by the Contractor and approved by the Consultant. Tree clearing here will be paid out by the Clearing and Mulching Item in Phase 2 of the Unit Price Schedule.

Question 6: For the phase 2 work near the adjacent existing houses, which are all old structures. Confirming that WSP will handle vibration monitoring. What are expectations if there is too much vibration caused from standard compaction equipment, required to meet the placement specifications?

Answer 6: Vibration Monitoring will be performed by Parkland Geo working as a subconsultant to WSP. The Contractor will be expected to keep vibrations below the Cosmetic threshold level shown in Figure 1 of Specification 4.77 Vibration Monitoring. Damages resulting from vibrations recorded above the Cosmetic Threshold will be at the Contractor's expense to repair.

Question 7: The topsoil stripping appears to be lumped in with the common excavation, can you break out the topsoil stripping quantity?

Answer 7: Topsoil stripping is covered under Common Excavation pay items and will not be broken out separately.

Question 8: Can you confirm liquidated damages apply, as per AT spec (\$1,350/day)?

Answer 8: Liquidated damages are addressed in the Tender documents under 1.26 Liquidated Damages. Please note this section referenced the wrong section of Alberta Transportation's General Specifications for Highway and Bridge Construction and should read as follows:

See General Specifications 1.2.40, "Failure to Complete on Time" and Special Provisions.

This is also referenced in Specification 4.11 of the Tender Documents with the correct reference.

Question 9: For the 4 precast structures as noted on drawing C-503 – some suppliers do not carry these vaults. Would the attached VS2530 vault structure detail be acceptable as an alternate?

Answer 9: Pre-cast vaults of similar size to the one shown in drawing C-503 (3260 mm x 1600 mm) will be accepted. The VS2530 vault structure referenced is 3408 mm x 2908 mm and would be accepted.

Question 10: For the landscape boulder stairs – the specified rundle stone from Thunderstone Quarries is a very expensive option. I have attached a photo of alternate Barkman steps (typical sizes of 48" x 18" x 7"), which would save the Town quite a bit of cost. Please advise if this is acceptable.

Answer 10: Precast concrete products will not be acceptable, though alternative natural stone products may be considered post-tender. For tender purposes, please price specified material.

Question 11: For line item 14, Special provision 4.15 and drawing C-234 – is the noted drainage structure at 1+947 intended to be at station 1+870 on the drawings?

Answer 11: Yes, the Unit Price Item for Phase 2 Item 14, should read: "Surface Drainage Structure – Station 1+870 (Special Provision 4.51)". This has been updated in the attached revised Unit Price Schedule.

Question 12: For the tree clearing - can the mulch be left onsite and incorporated with the topsoil, to help with erosion control and also save money to the contract?

Answer 12: Mulch and cleared trees will need to be removed from site and disposed of properly. Trees smaller than 6-inch diameter are free to dispose at the landfill. It is \$65/ton for trees larger than 6-inch diameter. Mulch can be hauled to the Old Public Works Yard (117 7 Ave SE, Drumheller)

Question 13: As discussed during the pre-tender meeting, please confirm if the Drumheller Landfill is willing to accept septic sanitary waste.

Answer 13: In regards to Phase 2 Provisional Item 48, Contaminated Fill (Septic System) – Removal: Soils can be taken to the landfill for no fee as "clean fill" provided the soils pass the paint Filter Test (i.e. are not too wet), and do not contain debris like pipes, branches, etc. If soils are removed by hyrdovac, they will need to be taken to the Town's WWTP lagoons, for a fee.

Question 14: Please confirm that item 47 (Phase 2) is referring to septic sanitary waste contamination only and not other contaminants.

Answer 14: Per A3.1 Phase 2 Item 47 has changed to Phase 2 Item 48. Correct, this item will be for septic sanitary waste contamination only.

Question 15: Please provide more information on Items 36 (Phase 1) and 29 (Phase 2) "Planting Medium" as the specs. Do not include sufficient details.

Answer 15: Planting Medium shall comply with Section 4.68 Topsoil – Contractor Supply. The reference has been added to the attached Unit Price Schedule.

In addition to Section 4.68. for shrub/tree planting areas, Planting Medium placement should be in maximum 150 mm lifts.

Question 16: It was mentioned during the pre-tender meeting that this project will not be subject to liquidated damages, however, section 1.26 of the spec. document refers to 1.2.20 "Failure to Complete on Time" which mandates a sum of \$1,350.00 per calendar day. Please clarify if this applies to the project.

Answer 16: Liquidated damages have always applied to the project, if noted otherwise during the pre-tender meeting that was an error. Please see Answer 8 above for corrected liquidated damages reference.

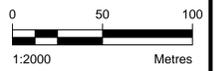
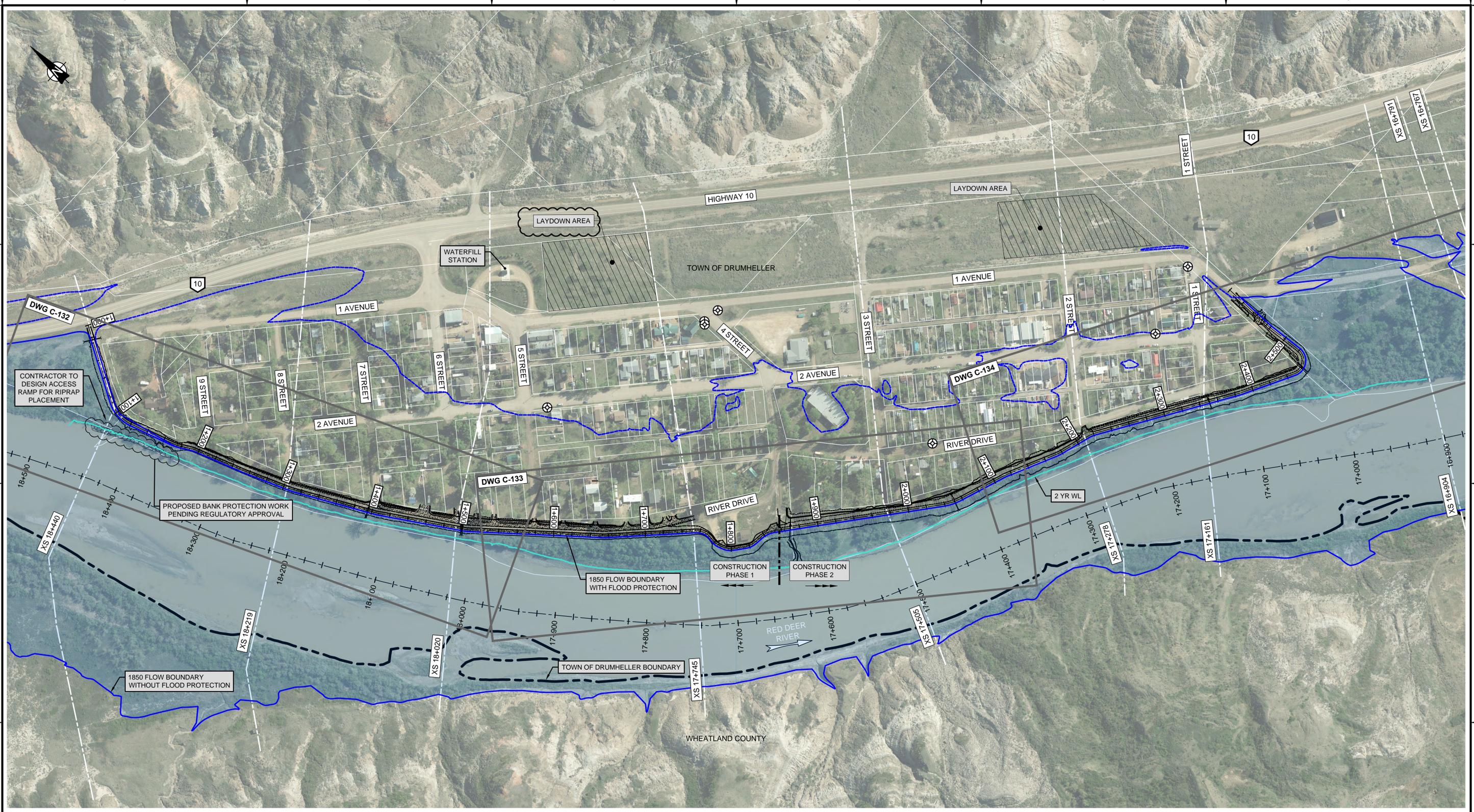
Attachments:

1. DWG C-131
2. DWG C-137
3. Price Schedule PDF and Excel versions
4. East Coulee Phase 2 Tree Info

End of Addendum 3

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millimetres

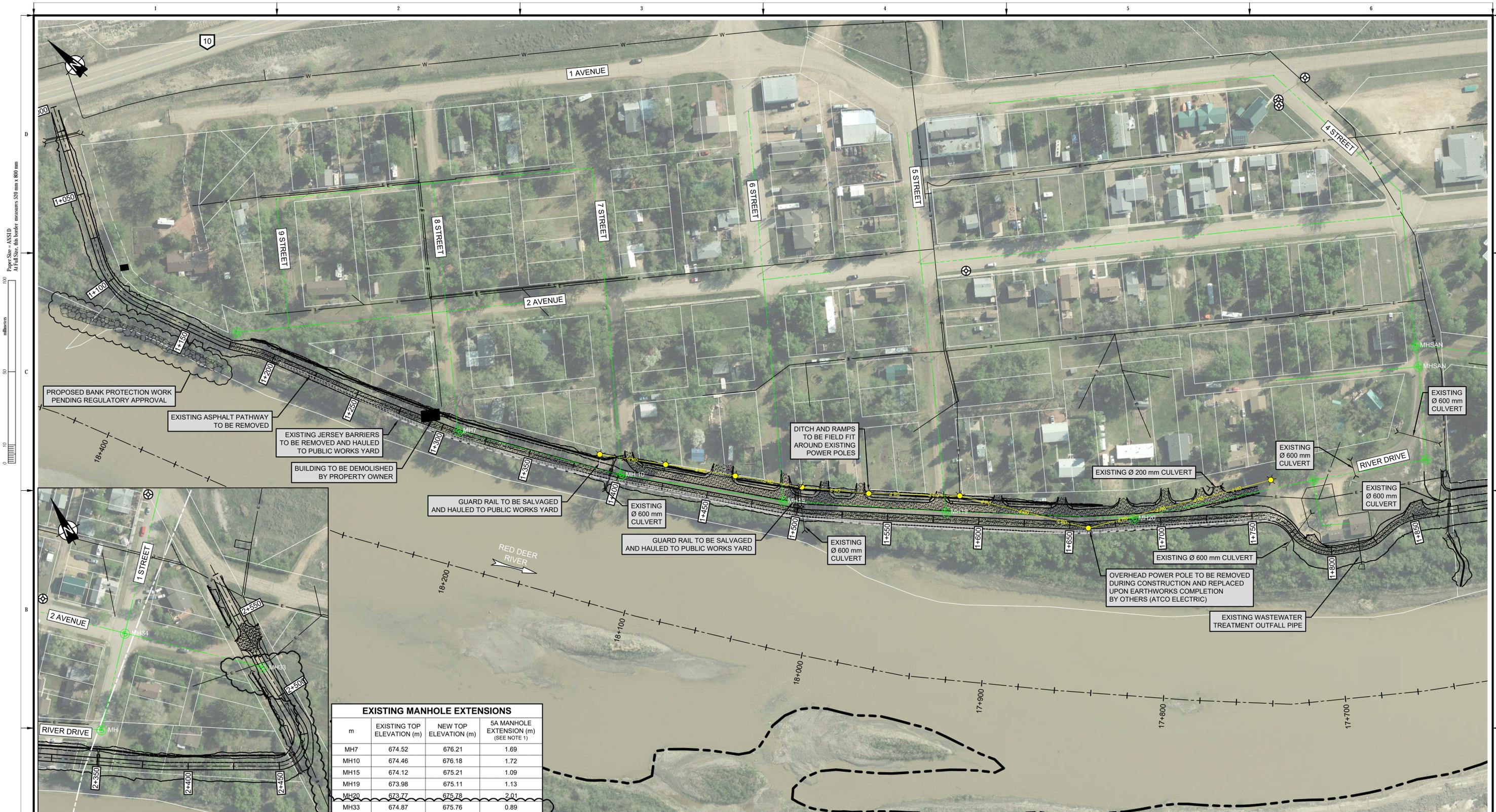
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At Full Size, this border measures 320 mm x 80 mm



Seal

Rev	Date	Des	Dwn	Chk	Description
0	2022-12-09	SW	JH	LM	ISSUED FOR REVIEW
1	2023-03-27	SW	JH	LM	ISSUED FOR TENDER

DRUMHELLER RESILIENCY & FLOOD MITIGATION OFFICE		
RESILIENCY AND FLOOD MITIGATION PROGRAM		
EAST COULEE BERM PLAN		
Project No.	CW2384	Drawing No.
Group	EAST COULEE	Rev.
		C-131 1

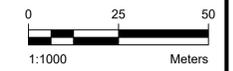


NOTES:
 1. MANHOLES TO BE EXTENDED, DISTANCE NOTED USING PRECAST CONCRETE 5A MANHOLE BARRELS AND COLLARS AS REQUIRED.

LEGEND:

	SANITARY MANHOLE		LAMP POST
	Ø 200 mm UNDERGROUND SANITARY LINE		OVERHEAD POWER LINE
	WATER WELL		

EXISTING MANHOLE EXTENSIONS			
m	EXISTING TOP ELEVATION (m)	NEW TOP ELEVATION (m)	5A MANHOLE EXTENSION (m) (SEE NOTE 1)
MH7	674.52	676.21	1.69
MH10	674.46	676.18	1.72
MH15	674.12	675.21	1.09
MH19	673.98	675.11	1.13
MH20	673.77	675.78	2.01
MH33	674.87	675.76	0.89



Rev	Date	Des	Dwn	Chk	Description
0	2022-12-09	SW	JH	LM	ISSUED FOR REVIEW
1	2023-03-27	SW	JH	LM	ISSUED FOR TENDER

DRUMHELLER RESILIENCY & FLOOD MITIGATION OFFICE
RESILIENCY AND FLOOD MITIGATION PROGRAM

EAST COULEE BERM
MANHOLE EXTENSION AND
EXISTING INFRASTRUCTURE PLAN

Project No. **CW2384** Drawing No. _____ Rev. _____
 Group **EAST COULEE** **C-137** **1**

2.5 UNIT PRICE SCHEDULE

**TOWN OF DRUMHELLER
DRUMHELLER RESILIENCY AND FLOOD MITIGATION
TOWN OF DRUMHELLER TENDER NO.: 2023-02-16**

Phase 1

ITEM NO.	ITEM DESCRIPTION	ESTIMATED QUANTITY		UNIT PRICE		TOTAL BID
1	Mobilization (A.T.G.S. 1.2.9)	1		Lump Sum		\$
2	Construction Advisory Signs (Special Provision 4.26)	3	signs	\$	/sign	\$
3	Demolition and Removal (Special Provision 4.42)	1		Lump Sum		\$
4	Temporary Construction Fence (Special Provision 4.39)	900	m	\$	/m	\$
5	Common Excavation (H.C.S. 2.3)	2,772	m ³	\$	/m ³	\$
6	Borrow Excavation – Contractor’s Supply (H.C.S. 2.3) (Special Provisions 4.62)	8,546	m ³	\$	/m ³	\$
7	Impervious Fill – Contractor Supply (Special Provision 4.58)	67	m ³	\$	/m ³	\$
8	Prepare Subgrade Surface – 1 st Layer (H.C.S. 3.1) (Special Provision 4.70)	11,418	m ²	\$	/m ²	\$
9	Gravel Surfacing (H.C.S. 3.3) (Special Provisions 4.49)	590	m ³	\$	/m ³	\$
10	Riprap Bedding Gravel (Special Provision 4.47)	174	m ³	\$	/m ³	\$
11	Heavy Rock Riprap (Class 1M) (B.C.S. 10)	52	m ³	\$	/m ³	\$
12	Heavy Rock Riprap (Class 2) (B.C.S. 10)	400	m ³	\$	/m ³	\$

ITEM NO.	ITEM DESCRIPTION	ESTIMATED QUANTITY		UNIT PRICE		TOTAL BID
13	Topsoil Placement (H.C.S. 2.6)	7,963	m ²	\$	/m ²	\$
14	Surface Drainage Structure – Station 1+395 (Special Provision 4.51)	1		Lump Sum		\$
15	Surface Drainage Structure – Station 1+500 (Special Provision 4.51)	1		Lump Sum		\$
16	Corrugated Steel Pipe – Supply and Install (300 mm) (H.C.S. 2.4) (H.C.S. 5.23) (Special Provisions 4.57)	30	m	\$	/m	\$
17	Corrugated Steel Pipe – Supply and Install (450 mm) (H.C.S. 2.4) (H.C.S. 5.23) (Special Provisions 4.57)	20	m	\$	/m	\$
18	Concrete Pipe – Supply and Install (450 mm) (H.C.S. 2.4) (H.C.S. 5.16) (Special Provisions 4.56)	33	m	\$	/m	\$
19	Concrete Pipe – Supply and Install (600 mm) (H.C.S. 2.4) (H.C.S. 5.16) (Special Provisions 4.56)	58	m	\$	/m	\$
20	Concrete Flared End including Bar Screen – Supply and Install (450 mm) (Special Provisions 4.54)	6	unit	\$	/unit	\$
21	Concrete Flared End including Bar Screen – Supply and Install (600 mm) (Special Provisions 4.54)	3	unit	\$	/unit	\$
22	Concrete Headwall including Bar Screen – Supply and Install (600 mm) (Special Provisions 4.54)	3	unit	\$	/unit	\$
23	5A Concrete Manhole Extension MH7 (1.69 m) – Supply and Install (H.C.S. 2.10) (H.C.S. 5.16) (Special Provisions 4.53)	1		Lump Sum		\$
24	5A Concrete Manhole Extension MH10 (1.72 m) – Supply and Install (H.C.S. 2.10) (H.C.S. 5.16) (Special Provisions 4.53)	1		Lump Sum		\$
25	5A Concrete Manhole Extension MH15 (1.09 m) – Supply and Install (H.C.S. 2.10) (H.C.S. 5.16) (Special Provisions 4.53)	1		Lump Sum		\$
26	5A Concrete Manhole Extension MH19 (1.13 m) – Supply and Install (H.C.S. 2.10) (H.C.S. 5.16) (Special Provisions 4.53)	1		Lump Sum		\$

ITEM NO.	ITEM DESCRIPTION	ESTIMATED QUANTITY		UNIT PRICE		TOTAL BID
27	5A Concrete Manhole Extension MH20 (2.01 m) – Supply and Install (H.C.S. 2.10) (H.C.S. 5.16) (Special Provisions 4.53)	1		Lump Sum		\$
28	Existing Signage – Salvage and Replace (Special Provisions 4.45)	8	unit	\$	/unit	\$
29	Existing Guardrail – Salvage and Move (Special Provisions 4.45)	2	unit	\$	/unit	\$
30	Existing Jersey Barriers – Salvage and Move (Special Provisions 4.45)	500	m	\$	/m	\$
31	Remove & Dispose Culverts Up to 1200 mm Dia (H.C.S. 2.4)	48	m	\$	/m	\$
32	Seeding – Hydro-Seed (Seed Mix 1) (H.C.S. 2.20) (Special Provisions 4.72)	1,580	m ²	\$	/m ²	\$
33	Seeding – Hydro-Seed (Seed Mix 2A) (H.C.S. 2.20) (Special Provisions 4.72)	7,025	m ²	\$	/m ²	\$
34	Seeding – Hydro-Seed (Seed Mix 3) (H.C.S. 2.20) (Special Provisions 4.72)	695	m ²	\$	/m ²	\$
35	Bark Mulch (75 mm depth) – Supply and Install (Special Provision 4.73)	290	m ²	\$	/m ²	\$
36	Planting Medium - Supply and Install (Special Provision 4.68 & 4.73)	130	m ³	\$	/m ³	\$
37	Standard Access Gate – Supply and Install (Special Provision 4.71)	3	gates	\$	/gate	\$
38	Natural Stone Boulder Staircases – Supply and Place (Special Provision 4.75)	5	staircase	\$	/staircase	\$
39	<i>Acer negundo</i> (Box Elder Maple, # 15 container) (Special Provision 4.73)	3	unit	\$	/unit	\$
40	<i>Picea glauca</i> (White Spruce, 2m ht.) (Special Provision 4.73)	10	unit	\$	/unit	\$

ITEM NO.	ITEM DESCRIPTION	ESTIMATED QUANTITY		UNIT PRICE		TOTAL BID
41	<i>Populus balsamifera</i> (Balsam poplar, 50mm caliper) (Special Provision 4.73)	4	unit	\$	/unit	\$
42	<i>Populus sargentii</i> (Plains Cottonwood (male only), # 15 container) (Special Provision 4.73)	1	unit	\$	/unit	\$
43	<i>Populus sargentii</i> (Plains Cottonwood (male only), 50 mm caliper) (Special Provision 4.73)	9	unit	\$	/unit	\$
44	<i>Prunus virginiana</i> (Chokecherry , 40mm caliper) (Special Provision 4.73)	6	unit	\$	/unit	\$
45	<i>Salix pentandra</i> (Laurel Leaf Willow, 40mm caliper) (Special Provision 4.73)	9	unit	\$	/unit	\$
46	<i>Amelanchier alnifolia</i> (Saskatoon, # 5 container) (Special Provision 4.73)	10	unit	\$	/unit	\$
47	<i>Cornus stolonifera/sericea</i> (Red Osier Dogwood, #5 container) (Special Provision 4.73)	10	unit	\$	/unit	\$
48	<i>Viburnum trilobum</i> (Highbush cranberry, #5 container) (Special Provision 4.73)	15	unit	\$	/unit	\$
49	Landscape Maintenance – Warranty Period (6 months/year) (Special Provision 4.74)	12	months	\$	/month	\$
TOTAL TENDER AMOUNT:						
PROVISIONAL ITEMS						
50	Non-Woven Geotextile for Heavy Rock Rip Rap – Supply and Install (Special Provision 4.46)	500	m ²	\$	/m ²	\$
51	Prepare Subgrade Surface – 2 nd Layer (H.C.S. 3.1)	8,564	m ²	\$	/m ²	\$
52	Topsoil – Contractor Supply (Special Provision 4.61, 4.68 & 4.69)	50	m ³	\$	/m ³	\$

ITEM NO.	ITEM DESCRIPTION	ESTIMATED QUANTITY	UNIT PRICE	TOTAL BID
TOTAL PROVISIONAL ITEM AMOUNT:				
CASH ALLOWANCE				
53	Care of Water (Special Provision 4.37)			\$50,000
54	Turbidity Monitoring and Reporting (Special Provision 4.38)			\$20,000
55	Fish Capture and Release (Special Provision 4.36)			\$20,000
56	Erosion and Sediment Control Measures Implementation (H.C.S. 6.5) (Special Provision 4.76)			\$25,000
57	Traffic Accommodation (H.C.S. 7.1)			\$15,000
58	Existing and Temporary Access Roads Preparation (Special Provisions 4.21)			\$10,000
59	Staging Area Preparation and Restoration (H.C.S. 2.3) (H.C.S. 2.20) (H.C.S. 3.1) (Special Provision 4.22)			\$30,000
60	ECO Plan Preparation (Special Provision 4.34)			\$10,000
TOTAL CASH ALLOWANCE AMOUNT:				\$180,000

Phase 2

ITEM NO.	ITEM DESCRIPTION	ESTIMATED QUANTITY		UNIT PRICE		TOTAL BID
1	Mobilization (A.T.G.S. 1.2.9)	1		Lump Sum		\$
2	Clearing and Mulching (including tree clearing) (H.C.S. 2.1)	11,879	m ²	\$	/ m ²	\$
3	Demolition and Removal (Special Provision 4.42)	1		Lump Sum		\$
4	Temporary Construction Fence (Special Provision 4.39)	850	m	\$	/m	\$
5	Common Excavation (H.C.S. 2.3)	3,559	m ³	\$	/m ³	\$
6	Borrow Excavation – Contractor's Supply (H.C.S. 2.3) (Special Provisions 4.62)	13,025	m ³	\$	/m ³	\$
7	Impervious Fill – Contractor Supply (Special Provisions 4.58)	182	m ³	\$	/m ³	\$
8	Topsoil – Contractor Supply (Special Provisions 4.61, 4.68 & 4.69)	350	m ³	\$	/m ³	\$
9	Prepare Subgrade Surface – 1 st Layer (H.C.S. 3.1.) (Special Provisions 4.70)	11,879	m ²	\$	/m ²	\$
10	Gravel Surfacing (H.C.S. 3.3) (Special Provisions 4.49)	92	m ³	\$	/m ³	\$
11	Riprap Bedding Gravel (Special Provision 4.47)	26	m ³	\$	/m ³	\$
12	Heavy Rock Riprap (Class 1M) (B.C.S. 10)	43	m ³	\$	/m ³	\$
13	Topsoil Placement (H.C.S. 2.6)	11,879	m ²	\$	/m ²	\$

ITEM NO.	ITEM DESCRIPTION	ESTIMATED QUANTITY		UNIT PRICE		TOTAL BID
14	Surface Drainage Structure – Station 1+870 (Special Provision 4.51)	1		Lump Sum		\$
15	Surface Drainage Structure – Station 2+053 (Special Provision 4.51)	1		Lump Sum		\$
16	Surface Drainage Structure – Station 2+352 (Special Provision 4.51)	1		Lump Sum		\$
17	Surface Drainage Structure – Station 2+462 (Special Provision 4.51)	1		Lump Sum		\$
18	Concrete Pipe – Supply and Install (600 mm) (H.C.S. 2.4) (H.C.S. 5.16) (Special Provisions 4.56)	38	m	\$	/m	\$
19	Concrete Pipe – Supply and Install (900 mm) (H.C.S. 2.4) (H.C.S. 5.16) (Special Provisions 4.56)	53	m	\$	/m	\$
20	Concrete Flared End including Bar Screen – Supply and Install (600 mm) (Special Provisions 4.54)	2	unit	\$	/unit	\$
21	Concrete Flared End including Bar Screen – Supply and Install (900 mm) (Special Provisions 4.54)	3	unit	\$	/unit	\$
22	Concrete Headwall including Bar Screen – Supply and Install (600 mm) (Special Provisions 4.54)	2	unit	\$	/unit	\$
23	Concrete Headwall including Bar Screen – Supply and Install (900 mm) (Special Provisions 4.54)	3	unit	\$	/unit	\$
24	Remove & Dispose Culverts Up to 1200 mm Dia (H.C.S. 2.4)	25	m	\$	/m	\$
25	Seeding – Hydro-Seed (Seed Mix 1) (H.C.S. 2.20) (Special Provisions 4.72)	3,455	m ²	\$	/m ²	\$
26	Seeding – Hydro-Seed (Seed Mix 2A) (H.C.S. 2.20) (Special Provisions 4.72)	8,770	m ²	\$	/m ²	\$
27	Seeding – Hydro-Seed (Seed Mix 3) (H.C.S. 2.20) (Special Provisions 4.72)	2,780	m ²	\$	/m ²	\$

ITEM NO.	ITEM DESCRIPTION	ESTIMATED QUANTITY		UNIT PRICE		TOTAL BID
28	Bark Mulch (75 mm depth) – Supply and Install (Special Provision 4.73)	60	m ²	\$	/m ²	\$
29	Planting Medium - Supply and Install (Special Provision 4.68 & 4.73)	80	m ³	\$	/m ³	\$
30	Standard Access Gate – Supply and Install (Special Provision 4.71)	2	gates	\$	/gate	\$
31	Natural Stone Boulder Staircases – Supply and Place (Special Provision 4.75)	1	staircase	\$	/staircase	\$
32	<i>Acer negundo</i> (Box Elder Maple, # 15 container) (Special Provision 4.73)	7	unit	\$	/unit	\$
33	<i>Populus balsamifera</i> (Balsam poplar, 50mm caliper) (Special Provision 4.73)	6	unit	\$	/unit	\$
34	<i>Populus sargentii</i> (Plains Cottonwood (male only), # 15 container) (Special Provision 4.73)	4	unit	\$	/unit	\$
35	<i>Populus sargentii</i> (Plains Cottonwood (male only), 50 mm caliper) (Special Provision 4.73)	1	unit	\$	/unit	\$
36	<i>Prunus virginiana</i> (Chokecherry , 40mm caliper) (Special Provision 4.73)	14	unit	\$	/unit	\$
37	<i>Salix pentandra</i> (Laurel Leaf Willow, 40mm caliper) (Special Provision 4.73)	1	unit	\$	/unit	\$
38	<i>Amelanchier alnifolia</i> (Saskatoon, # 5 container) (Special Provision 4.73)	10	unit	\$	/unit	\$
39	<i>Cornus stolonifera/sericea</i> (Red Osier Dogwood, #5 container) (Special Provision 4.73)	10	unit	\$	/unit	\$
40	<i>Salix bebbiana</i> (Bebb's Beaked Willow, #5 container) (Special Provision 4.73)	10	unit	\$	/unit	\$
41	<i>Salix interior</i> (Sandbar Willow, #5 container) (Special Provision 4.73)	5	unit	\$	/unit	\$

ITEM NO.	ITEM DESCRIPTION	ESTIMATED QUANTITY		UNIT PRICE		TOTAL BID
42	<i>Hippophae rhamnoides</i> (Sea Buckthorn, #5 container) (Special Provision 4.73)	5	unit	\$	/unit	\$
43	Landscape Maintenance – Warranty Period (6 months/year) (Special Provision 4.74)	12	months	\$	/month	\$
44	5A Concrete Manhole Extension MH33 (0.89 m) – Supply and Install (H.C.S. 2.10) (H.C.S. 5.16) (Special Provisions 4.53)	1		Lump Sum		\$
TOTAL TENDER AMOUNT:						
PROVISIONAL ITEMS						
45	Prepare Subgrade Surface – 2 nd Layer (H.C.S. 3.1)	8,909	m ²	\$	/m ²	\$
46	Common Excavation – Waste (H.C.S. 2.3)	50	m ³	\$	/m ³	\$
47	Septic System – Removal (Special Provisions 4.43)	6	unit	\$	/unit	\$
48	Contaminated Fill (Septic System) - Removal (Special Provisions 4.43)	600	m ³	\$	/m ³	\$
49	Water Well – Decommission (To be provided via Addendum)	6	unit	\$	/unit	\$
TOTAL PROVISIONAL ITEM AMOUNT:						
CASH ALLOWANCE						
50	Erosion and Sediment Control Measures Implementation (H.C.S. 6.5) (Special Provision 4.76)					\$25,000
51	Traffic Accommodation (H.C.S. 7.1)					\$15,000

ITEM NO.	ITEM DESCRIPTION	ESTIMATED QUANTITY	UNIT PRICE	TOTAL BID
52	Existing and Temporary Access Roads Preparation (Special Provisions 4.21)			\$10,000
53	Staging Area Preparation and Restoration (H.C.S. 2.3) (H.C.S. 2.20) (H.C.S. 3.1) (Special Provision 4.22)			\$30,000
TOTAL CASH ALLOWANCE AMOUNT:				\$80,000

Contractor's Representative Signature

Contractor's Name (Print)

Print Name

Position in Company

Witness or Seal

Contractor's G.S.T. No.

Date

East Coulee Phase 2 Tree Data

Point	Tree Species	Height (m)	Diameter at Breast Height* (DBH) (cm)	Latitude	Longitude
6	Manitoba maple	6	12.4	51.33516868	-112.489508
7	Manitoba maple	5	12.6	51.3352101	-112.4893968
8	Manitoba maple	6	17.5	51.3352928	-112.4895187
18	Eastern cottonwood	13	63	51.33734675	-112.4958454
19	Balsam poplar	15	74.2	51.33739094	-112.4957773
20	Balsam poplar	12	30.5	51.33735463	-112.4957254
21	Balsam poplar	10	23.2	51.33732045	-112.4957306
22	Balsam poplar	12	59	51.33722022	-112.49553
23	Manitoba maple	11	43	51.3370054	-112.4952053
24	Manitoba maple	6	9.1	51.33689469	-112.4947191
25	Manitoba maple	9	12.3	51.33680794	-112.494716
26	Eastern cottonwood	15	56.9	51.33685885	-112.4945312
27	Manitoba maple	7	13.9	51.33679572	-112.4943819
28	Eastern cottonwood	15	85.2	51.33686473	-112.4943916
29	Manitoba maple	10	30	51.33684722	-112.4944194
30	American elm	11	41.2	51.33652367	-112.4932324
31	Manitoba maple	9	11.4	51.33653203	-112.4933367
32	Balsam poplar	6	8.6	51.33654929	-112.4933926
33	Eastern cottonwood	15	62.7	51.3365243	-112.4933697
34	Eastern cottonwood	16	67.3	51.3365507	-112.4934267
35	Eastern cotton wood	13	65	51.33650786	-112.4933566
36	Balsam poplar	11	16	51.3365941	-112.4934846
37	Manitoba maple	11	21.6	51.33658029	-112.4934462
38	Manitoba maple	10	13.4	51.33664301	-112.493528
39	Eastern cottonwood	16	59.2	51.3366222	-112.4936414
40	Eastern cottonwood	15	65	51.33659458	-112.4936964
41	Eastern cottonwood	14	56	51.33663836	-112.4938287
42	Eastern cottonwood	10	55	51.33666854	-112.4939096
43	Manitoba maple	10	15.9	51.33660786	-112.493598
44	Manitoba maple	10	18.6	51.33657672	-112.4935152
45	White spruce	10	21.2	51.33654	-112.4935114
46	Balsam poplar	9	12.7	51.33654919	-112.493287
47	Balsam poplar	8	10.7	51.33649999	-112.4932506
48	Eastern cottonwood	13	50.6	51.33648205	-112.4932745
49	Balsam poplar	9	15.2	51.33654387	-112.4932227
50	Popu bal	6	9.8	51.33655741	-112.4932307
51	Pine	5	10.9	51.33647965	-112.4931612
52	Eastern cottonwood	13	46.2	51.33643041	-112.493145
53	Eastern cottonwood	14	82.6	51.33648659	-112.4931967
54	Eastern cottonwood	15	50.1	51.3364494	-112.4931973
55	Eastern cottonwood	12	44.6	51.33646305	-112.4931119
56	Eastern cottonwood	15	80	51.33641244	-112.4930774
57	Eastern cottonwood	11	78.6	51.33639552	-112.4930312
58	Eastern cottonwood	13	62.5	51.33639199	-112.4930688
59	Eastern cottonwood	13	41.9	51.33642698	-112.4930629
60	Eastern cottonwood	14	107.2	51.33631086	-112.4928929
61	Eastern cottonwood	15	54	51.33637028	-112.4925989
62	Eastern cottonwood	13	55.2	51.33637869	-112.4926602
63	Eastern cottonwood	12	44.6	51.33632361	-112.4925898
64	Eastern cottonwood	12	37.6	51.33632858	-112.4925501
65	Eastern cottonwood	12	41.2	51.33636588	-112.4925708
66	American elm	11	29.5	51.33572995	-112.4908627
67	American elm	10	20.2	51.33571596	-112.4909109
68	American elm	5	15	51.33568448	-112.4908232
69	American elm	11	26.2	51.33567598	-112.4908418
70	American elm	12	36.6	51.33564139	-112.4908925
71	American elm	11	25	51.33563871	-112.4908418
72	American elm	10	23.2	51.33563406	-112.4909187
73	Manitoba maple	8	17.8	51.33561457	-112.4909164
74	Manitoba maple	8	30.8	51.33552417	-112.4906771
76	Manitoba maple	8	33.5	51.33547865	-112.4905496

Notes

* Diameter of tree taken 1.37 m off the ground