

CITY OF RAPID CITY CONSTRUCTION CHANGE ORDER #2
CITY OF RAPID CITY LANDFILL CELL 18 LINER AND LEACHATE COLLECTION
PROJECT 16-2371
June 3, 2019
ORIGINAL CONTRACT AMOUNT: \$4,556,944.19
CONTRACTOR: FOOTHILLS CONTRACTING, INC.

LINE ITEM	DESCRIPTION	UNIT	CURRENT CONTRACT QUANTITY	UNIT PRICE	EXTENDED PRICE	ADJUSTED QUANTITY	ADJUSTED PRICE	NET CHANGE
1	Mobilization	LS	1	\$133,454.69	\$133,454.69	1.00	\$133,454.69	\$0.00
2	Incidental Work	LS	1	\$10,500.00	\$10,500.00	1.00	\$10,500.00	\$0.00
3	Remove and Grub Trees	LS	1	\$1,500.00	\$1,500.00	1.00	\$1,500.00	\$0.00
4	Abandon Existing Leachate Pond	LS	1	\$25,000.00	\$25,000.00	1.00	\$25,000.00	\$0.00
5	Piping Removals and Demolition	LS	1	\$10,000.00	\$10,000.00	1.00	\$10,000.00	\$0.00
6	Liner Protective Layer	CY	50,700	\$2.00	\$101,400.00	50700.00	\$101,400.00	\$0.00
7	Cell Slopes & Waste Area 1	CY	474,500	\$1.75	\$830,375.00	479000.00	\$838,250.00	\$7,875.00
8	Waste Area 2	CY	160,046	\$3.50	\$560,161.00	100046.00	\$350,161.00	(\$210,000.00)
9	Waste Area 3	CY	54,850	\$1.75	\$95,987.50	114850.00	\$200,987.50	\$105,000.00
10	Compacted Clay Liner	CY	17,600	\$2.50	\$44,000.00	17600.00	\$44,000.00	\$0.00
11	Liner Undercut	CY	10,000	\$2.00	\$20,000.00	10000.00	\$20,000.00	\$0.00
12	Pipe Undercut	CY	500	\$10.00	\$5,000.00	250.00	\$2,500.00	(\$2,500.00)
13	Nonwoven Geotextile Cushion Layer	SF	457,300	\$0.34	\$155,482.00	457300.00	\$155,482.00	\$0.00
14	Drainage Geocomposite	SF	388,400	\$0.93	\$361,212.00	388400.00	\$361,212.00	\$0.00
15	60 Mil Textured Geomembrane Liner	SF	911,700	\$0.54	\$492,318.00	911700.00	\$492,318.00	(\$0.00)
16	Geosynthetic Clay Liner (GCL)	SF	911,700	\$0.51	\$464,967.00	911700.00	\$464,967.00	\$0.00
17	Underdrain Material	TON	13,106	\$21.25	\$278,502.50	9110.00	\$193,587.50	(\$84,915.00)
18	Granular Drainage Material	TON	3,210	\$2.20	\$7,062.00	2560.00	\$5,632.00	(\$1,430.00)
19	Type 3 Foundation Material	TON	5,000	\$21.78	\$108,900.00	4491.00	\$97,813.98	(\$11,086.02)
20	Place Asphalt Millings Road Surfacing	SY	5,300	\$0.19	\$1,007.00	6300.00	\$1,197.00	\$190.00
21	Bentonite Amendment	TON	25	\$171.00	\$4,275.00	-	\$0.00	(\$4,275.00)
22	18" HDPE Pipe	LF	129	\$98.00	\$12,642.00	129.00	\$12,642.00	\$0.00
23	8" HDPE Perforated Pipe	LF	1,260	\$21.00	\$26,460.00	1210.00	\$25,410.00	(\$1,050.00)
24	8" HDPE Pipe	LF	2,202	\$23.00	\$50,646.00	2371.00	\$54,533.00	\$3,887.00
25	6" HDPE Pipe	LF	381	\$22.00	\$8,382.00	387.00	\$8,514.00	\$132.00
26	4" HDPE Perforated Pipe	LF	570	\$10.00	\$5,700.00	570.00	\$5,700.00	\$0.00
27	4" HDPE Pipe	LF	373	\$17.00	\$6,341.00	668.00	\$11,356.00	\$5,015.00
28	6" HDPE Double Cleanout	EA	1	\$5,760.00	\$5,760.00	1.00	\$5,760.00	\$0.00
29	8" HDPE Double Cleanout	EA	2	\$1,954.00	\$3,908.00	2.00	\$3,908.00	\$0.00
30	Pipe to Existing Leachate Pipe	EA	2	\$3,500.00	\$7,000.00	2.00	\$7,000.00	\$0.00
31	to Existing LFM	EA	1	\$2,890.00	\$2,890.00	1.00	\$2,890.00	\$0.00

32	Anchors	LS	1	\$25,000.00	\$25,000.00	1.00	\$25,000.00	\$0.00
33	Manhole	LS	1	\$6,000.00	\$6,000.00	1.00	\$6,000.00	\$0.00
34	Metering Manhole	LS	1	\$14,000.00	\$14,000.00	1.00	\$14,000.00	\$0.00
35	Gate	LF	1,095	\$37.50	\$41,062.50	1095.00	\$41,062.50	\$0.00
36	48" Leachate Manhole	EA	4	\$3,000.00	\$12,000.00	4.00	\$12,000.00	\$0.00
37	18" CHDPE Storm Sewer	LF	260	\$25.00	\$6,500.00	260.00	\$6,500.00	\$0.00
38	36" CHDPE Storm Sewer	LF	10	\$68.00	\$680.00	10.00	\$680.00	\$0.00
39	36" CHDPE Flared End	EA	1	\$1,000.00	\$1,000.00	1.00	\$1,000.00	\$0.00
40	15" RCP - Class 3	LF	343	\$60.00	\$20,580.00	343.00	\$20,580.00	\$0.00
41	15" RCP Flared End	EA	1	\$800.00	\$800.00	1.00	\$800.00	\$0.00
42	48" RCP - Class 2	LF	89	\$160.00	\$14,240.00	89.00	\$14,240.00	\$0.00
43	48" RCP Flared End	EA	1	\$2,000.00	\$2,000.00	1.00	\$2,000.00	\$0.00
44	PVC Coated Gabions	CY	95	\$275.00	\$26,125.00	95.00	\$26,125.00	\$0.00
45	10' Wide Driveway Concrete Apron	LF	147	\$100.00	\$14,700.00	147.00	\$14,700.00	\$0.00
46	SDDOT Class 2 Riprap	TON	565	\$47.50	\$26,837.50	722.00	\$34,295.00	\$7,457.50
47	Salvage & Stockpile Topsoil	CY	52,900	\$1.50	\$79,350.00	62900.00	\$94,350.00	\$15,000.00
48	Place Topsoil	CY	45,900	\$1.50	\$68,850.00	50000.00	\$75,000.00	\$6,150.00
49	Fiber Reinforced Matrix	LB	30,000	\$1.50	\$45,000.00	37500.00	\$56,250.00	\$11,250.00
50	Permanent Seed	LB	1,055	\$15.00	\$15,825.00	1763.00	\$26,445.00	\$10,620.00
51	Fertilizer	LB	7,700	\$0.75	\$5,775.00	11830.00	\$8,872.50	\$3,097.50
52	Mulch	Ton	90	\$225.00	\$20,250.00	74.20	\$16,695.00	(\$3,555.00)
53	Temporary Mulch	Ton	30	\$225.00	\$6,750.00	-	\$0.00	(\$6,750.00)
54	Water Pollution Control	LS	1	\$1,000.00	\$1,000.00	1.00	\$1,000.00	\$0.00
55	Erosion Control Blanket - Type 2	SY	755	\$2.00	\$1,510.00	344.00	\$688.00	(\$822.00)
56	Turf Reinforcement Mat - Type 3	SY	1,500	\$4.25	\$6,375.00	311.11	\$1,322.22	(\$5,052.78)
57	SDDOT Type B Drainage Fabric	SY	3,000	\$2.50	\$7,500.00	4500.00	\$11,250.00	\$3,750.00
58	Perimeter Protection	LF	3,975	\$2.50	\$9,937.50	8537.00	\$21,342.50	\$11,405.00
59	12" Wattle	LF	2,500	\$3.00	\$7,500.00	3156.00	\$9,468.00	\$1,968.00
60	Remove and Reset Wattle	LF	250	\$2.00	\$500.00	280.00	\$560.00	\$60.00
61	Electrical Modifications	LS	1	\$40,000.00	\$40,000.00	1.00	\$40,000.00	\$0.00
62	15" RCP Bends	EA	2	\$600.00	\$1,200.00	2.00	\$1,200.00	\$0.00
63	PVC Valves	LS	1	\$6,102.00	\$6,102.00	1.00	\$6,102.00	\$0.00
64	Placement-Waster Area #2 Berm	CY	44,704	\$4.50	\$201,168.00	44704.00	\$201,168.00	\$0.00
65	24" CHDPE Storm Sewer	FT	60	\$52.00	\$3,120.00	60.00	\$3,120.00	\$0.00
66	Fiber Mulch	Acre	15	\$1,503.00	\$22,545.00	23.30	\$35,019.90	\$12,474.90

67 CO2	Liquidated Damages	Day		(\$1,300.00)	\$0.00	11.00	(\$14,300.00)	(\$14,300.00)
68 CO2	Re-Grading of Concrete Drainage Pan	LS		\$1,500.00	\$0.00	1.00	\$1,500.00	\$1,500.00
69 CO2	Unclassified Excavation -Stormwater Channel Modifications	CY		\$17.25	\$0.00	500.00	\$8,625.00	\$8,625.00
70 CO2	Seepage Dewatering	LS		\$7,800.00	\$0.00	1.00	\$7,800.00	\$7,800.00
71 CO2	Commercial Scale Drainage Modifications	CY		\$17.25	\$0.00	450.00	\$7,762.50	\$7,762.50
72 CO2	Aerators and additional electric work	LS		\$7,570.16	\$0.00	1.00	\$7,570.16	\$7,570.16
73 CO2	Asphalt Pavement	TON		\$90.00	\$0.00	250.00	\$22,500.00	\$22,500.00
74 CO2	Base Course	TON		\$17.50	\$0.00	222.00	\$3,885.00	\$3,885.00
75 CO2	Removal of haul road material for asphalt paving	CY		\$17.25	\$0.00	180.00	\$3,105.00	\$3,105.00
76 CO2	SD DOT Class 2 Rip Rap - Updated Price	TON		\$55.50	\$0.00	650.00	\$36,075.00	\$36,075.00
77 CO2	Unclassified Excavation Erosion Control Work	CY		\$10.00	\$0.00	300.00	\$3,000.00	\$3,000.00
78 CO2	Place Contractor Furnished Topsoil	CY		\$36.00	\$0.00	915.00	\$32,940.00	\$32,940.00
79 CO2	24" N12 CHDPE, Furnish & Install	LF		\$45.00	\$0.00	60.00	\$2,700.00	\$2,700.00
80 CO2	24" N12 Flared End, Furnish & Install	EA		\$575.00	\$0.00	2.00	\$1,150.00	\$1,150.00
81 CO2	Remove Fence for Reset	LF		\$2.50	\$0.00	200.00	\$500.00	\$500.00
82 CO2	Reset Fence	LF		\$5.00	\$0.00	200.00	\$1,000.00	\$1,000.00
TOTAL					\$4,602,615.19		\$4,602,323.95	(\$291.24)

C.C.O. HISTORY INCREASE/(DECREASE)		PRIOR ADJUSTED CONTRACT PRICE :	\$4,602,615.19
CCO #1	\$45,671.00	NET INCREASE/(DECREASE):	(\$291.24)
CCO #2	(\$291.24)	ADJUSTED CONTRACT PRICE:	\$4,602,323.95
CCO #3	\$0.00	CHANGE TO DATE:	\$45,379.76

<p><i>Eunice Knight</i></p> <p>CONTRACTOR: FOOTHILLS CONTRACTING, INC.</p> <p><i>Stacey Titus</i></p> <p>PROJECT MANAGER: STACEY TITUS</p> <p>MAYOR: STEVE ALLENDER</p> <p>FINANCE: PAULINE SUMPTION</p> <p>CONTRACT TIME CHANGE +/-: 0</p>	<p style="text-align: right;"><i>6-5-2019</i></p> <p style="text-align: right;">DATE</p> <p style="text-align: right;"><i>6/6/19</i></p> <p style="text-align: right;">DATE</p> <p style="text-align: right;">DATE</p> <p style="text-align: right;">DATE</p> <p>NEW CONTRACT TIME: Construction to be Substantially Complete by November 8, 2018.</p>
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City Staff recommends approval of this Change Order #2 to Foothills Contracting, Inc. for a decrease of (\$291.24) based on unit pricing with the following appropriation:

Initial Funding	\$4,556,944.19	\$0.00	\$0.00	\$0.00		\$4,556,944.19
Fund Type	Solid Waste	0000	0000	0000		
Department	7104	0000	0000	0000		
Line Item	4320	0000	0000	0000		
Fund	0615	0000	0000	0000		
CCO #1	\$45,671.00	\$0.00	\$0.00	\$0.00		\$45,671.00
CCO #2	(\$291.24)	\$0.00	\$0.00	\$0.00		(\$291.24)
						\$0.00
Adjusted Funding	\$4,602,323.95	\$0.00	\$0.00	\$0.00	\$4,602,323.95	\$4,602,323.95

CITY OF RAPID CITY CONSTRUCTION CHANGE ORDER #2
CITY OF RAPID CITY LANDFILL CELL 18 LINER AND LEACHATE COLLECTION
PROJECT 16-2371
June 3, 2019
ORIGINAL CONTRACT AMOUNT: \$4,556,944.19
CONTRACTOR: FOOTHILLS CONTRACTING, INC.

LINE ITEM	DESCRIPTION	REASON FOR CHANGE
7	Unclassified Excavation & Placement - Waste Area #1	Increased quantity by 4,500 cy total. + 4,000 cy for FO#2 to widen Cell 18 Access Road, + 500 cy for RFP#4 for grading modifications to stormwater channel.
8	Unclassified Excavation & Placement - Waste Area 2	Reduced quantity required by 60,000 cubic yards because City needs were met for this area, and time and money savings was realized by shift in placement areas. See Field Order #1
9	Unclassified Excavation & Placement - Waste Area 3	Increased quantity required by 60,000 cy. See Field Order #1
12	Pipe Undercut	Installed quantity adjustment. Less than plans quantity required.
17	Underdrain Material	Installed quantity adjustment. Less than plans quantity required.
18	Granular Drainage Material	Installed quantity adjustment. Less than plans quantity required.
19	Type 3 Foundation Material	Decrease quantity by 509 tons total. 10 ton increase for Stormwater Channel Modifications (RFP#4) and 550 ton increase for Commercial Scale Modifications (RFP#5), and 1,069 ton installed quantity decrease.

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CONTRACTOR: FOOTHILLS CONTRACTING, INC.

LINE ITEM	DESCRIPTION	REASON FOR CHANGE
7	Unclassified Excavation & Placement Waste Area #1	Increased quantity by 4,500 cy total. + 4,000 cy for FO#2 to widen Cell 18 Access Road, + 500 cy for RFP#4 for grading modifications to stormwater channel.
8	Unclassified Excavation & Placement Waste Area 2	Reduced quantity required by 60,000 cubic yards because City needs were met for this area, and time and money savings was realized by shift in placement areas. See Field Order #1
9	Unclassified Excavation & Placement Waste Area 3	Increased quantity required by 60,000 cy. See Field Order #1
12	Pipe Undercut	Installed quantity adjustment. Less than plans quantity required.
17	Underdrain Material	Installed quantity adjustment. Less than plans quantity required.
18	Granular Drainage Material	Installed quantity adjustment. Less than plans quantity required.
19	Type 3 Foundation Material	Decrease quantity by 509 tons total. 10 ton increase for Stormwater Channel Modifications (RFP#4) and 550 ton increase for Commercial Scale Modifications (RFP#5), and 1,069 ton installed quantity decrease.
20	Place Asphalt Millings Road Surfacing	Increased quantity by 1,000 sy for Cell 18 Access Road widening. (Field Order #2)
21	Bentonite Amendment	Installed quantity adjustment. Less than plans quantity required.
23	8" HDPE Perforated Pipe	Installed quantity adjustment. Less than plans quantity required.
24	8" HDPE Pipe	Installed quantity adjustment. Less than plans quantity required.
25	6" HDPE Pipe	Installed quantity adjustment. Additional quantity used.
27	4" HDPE Pipe	Installed quantity adjustment. Additional quantity used.
46	SDDOT Class 2 Rip Rap	Increased quantity 130 tons for Commercial Scale Drainage Modifications RFP#5 and installed quantity increase of 27 tons.
47	Salvage and Stockpile Topsoil	Installed quantity adjustment. Additional quantity used.
48	Place Topsoil	Installed quantity adjustment. Additional quantity used.
49	Fiber Reinforced Matrix	Increased quantity by 7,500 lbs total. 200 lbs for Commercial Scale Drainage Modifications (RFP#5), 840 lbs for Ops Road Drainage (RFP#8), and 3,000 lbs for SDDOT/City Drainage Improvements (RFP#9), and 3,460 lbs for installed quantity
50	Permanent Seed	Increased Quantity by 708 lbs total. 9 lbs for Stormwater Channel Modifications (RFP#4), 12 lbs for Commercial Scale Modifications (RFP#5), 7 lbs for Ops Road Drainage (RFP#8), 22 lbs for SDDOT/City Drainage Improvements (RFP#9), and 658 lbs for installed quantity adjustment for additional seeded areas.
51	Fertilizer	Increased Quantity by 46 lbs for Ops Road Drainage Improvements (RFP#8) and 3,034 lbs installed quantity adjustment for additional seeded areas.

52	Mulch	Increased Quantity by 0.75 tons for Stormwater Channel Modifications (RFP#4), and -24 ton installed quantity adjustment.
53	Temporary Mulch	Installed quantity adjustment. No quantity used.
55	Erosion Control Blanket - Type 2	Installed quantity adjustment. Less than plans quantity required.
56	Turf Reinforcement Mat - Type 3	Increased Quantity by 75 sy for Stormwater Channel Modifications (RFP#4) and -1,114 sy installed quantity adjustment.
57	SDDOT Type B Drainage Fabric	Increased Quantity by 1,500 sy total. 130 sy for Commercial Scale Modifications (RFP#5), 156 sy for Ops Road Drainage (RFP#8), and 312 sy for SDDOT/City Drainage Improvements (RFP#9) and 902 sy installed quantity adjustment.
58	Perimeter Protection	Installed quantity adjustment. Additional quantity used for added erosion control.
59	12" Wattle	Installed quantity adjustment. Additional quantity used for added erosion control.
60	Remove and Reset Wattle	Installed quantity adjustment. Additional quantity used.
CC1-	Fiber Mulch	Installed quantity adjustment. Additional quantity used for added erosion control.
CC2-	Liquidated Damages	See Change Order #2 Summary and Liquidated Damages summary letters.
CC2-	Re-Grading of Concrete Drainage Pan	Concrete drainage pan design changed during construction, required re-grading of subgrade per FO#3.
CC2-	Unclassified Excavation -Stormwater Channel Modifications	Quantity added to remove material at base of stormwater channel to create sediment trap. See RFP #4.
CC2-	Seepage Dewatering	Bid Item added to provide construction dewatering operations to allow for stormwater channel modifications. See RFP#4.
CC2-	Commercial Scale Drainage Modifications	Bid Item added to place material along slope and provide more stable slope configuration. See RFP #5.
CC2-	Aerators and additional electric work	Bid Item added to purchase new aerator and associated electrical work. See RFP #6.
CC2-	Asphalt Pavement	Bid Item added to place asphalt pavement surfacing at Cell 18 Access Road approach instead of asphalt millings as originally planned. RFP #7.
CC2-	Base Course	Bid Item added to place asphalt pavement sub base material at Cell 18 Access Road approach instead of asphalt millings surfacing as original planned. RFP #7.
CC2-	Removal of haul road material for asphalt paving	Bid Item added to excavate material to reach subgrade elevations for revised asphalt roadway section at Cell 18 Access Road approach. RFP#7.
CC2-	SD DOT Class 2 Rip Rap - Updated Price	Price change from original contract bid price to RFP#8.
CC2-	Unclassified Excavation Erosion Control Work	Bid Item added to allow for excavation work required as discussed in RFP#8 and RFP#9.
CC2-	Place Contractor Furnished Topsoil	Bid Item added to allow for topsoil work required as discussed in RFP#8 and RFP#9.
CC2-	24" N12 CHDPE, Furnish & Install	Bid Item added as discussed in RFP#8 and RFP#9.
CC2-	24" N12 Flared End, Furnish & Install	Bid Item added as discussed in RFP#8 and RFP#9.
CC2-	Remove Fence for Reset	Bid Item added as discussed in RFP#8 and RFP#9.
CC2-	Reset Fence	Bid Item added as discussed in RFP#8 and RFP#9.

PREPARED BY: Stacey Titus, P.E.

DATE: June 3, 2019