

**CITY OF RAPID CITY CONSTRUCTION CHANGE ORDER #2F**  
**Perrine/Unnamed Tributary DBDP Phase 3 - East Saint Patrick Street Box Culvert**  
**18-2430 / CIP NO. 51189.3**

**MAY 10, 2022**

**ORIGINAL CONTRACT AMOUNT: \$580,176.81**

**CONTRACTOR: PRECISION GRADING LLC**

LINE ITEM	DESCRIPTION	UNIT	CURRENT CONTRACT QUANTITY	UNIT PRICE	EXTENDED PRICE	ADJUSTED QUANTITY	ADJUSTED PRICE	NET CHANGE
1	MOBILIZATION	LS	1.00	\$98,000.00	\$98,000.00	1.00	\$98,000.00	\$0.00
2	INCIDENTAL WORK	LS	1.00	\$26,000.00	\$26,000.00	1.00	\$26,000.00	\$0.00
3	CONSTRUCTION STAKING	LS	1.00	\$5,000.00	\$5,000.00	1.00	\$5,000.00	\$0.00
4	CLEARING AND GRUBBING	EA	1.00	\$1,200.00	\$1,200.00	1.00	\$1,200.00	\$0.00
5	REMOVE SILT FENCE	LF	550.00	\$0.80	\$440.00	185.00	\$148.00	(\$292.00)
6	REMOVE AC PAVEMENT	SY	210.30	\$9.20	\$1,934.76	129.30	\$1,189.56	(\$745.20)
7	REMOVE PCC PAVEMENT	SY	490.10	\$17.50	\$8,576.75	535.40	\$9,369.50	\$792.75
8	FOOTING	EA	2.00	\$800.00	\$1,600.00	1.00	\$800.00	(\$800.00)
9	REMOVE & RESET SIGN	EA	3.00	\$225.00	\$675.00	3.00	\$675.00	\$0.00
10	REMOVE AND RESET LUMINAIRE POLE	EA	2.00	\$725.00	\$1,450.00	2.00	\$1,450.00	\$0.00
11	AASHTO T-180 SOIL TEST	EA	2.00	\$250.00	\$500.00	2.00	\$500.00	\$0.00
12	EXCAVATION, UNCLASSIFIED	CY	83.30	\$18.00	\$1,499.40	112.30	\$2,021.40	\$522.00
13	CONTRACTOR FURNISHED BORROW	CY	104.00	\$34.00	\$3,536.00	104.00	\$3,536.00	\$0.00
14	TOPSOIL, FURNISH & PLACE	CY	107.00	\$30.00	\$3,210.00	107.00	\$3,210.00	\$0.00
15	SEEDING & FERTILIZING	SY	1,228.80	\$1.75	\$2,150.40	1,228.80	\$2,150.40	\$0.00
16	2 - 8' X 3' PRECAST BOX CULVERT	LF	116.00	\$1,800.00	\$208,800.00	116.00	\$208,800.00	\$0.00
17	2- 8' X 3' PRECAST BOX CULVERT END SECTION	EA	2.00	\$11,800.00	\$23,600.00	2.00	\$23,600.00	\$0.00
18	STRUCTURE EXCAVATION, BOX CULVERT	CY	70.90	\$54.00	\$3,828.60	70.90	\$3,828.60	\$0.00
19	BOX CULVERT UNDERCUT	CY	208.60	\$52.00	\$10,847.20	208.60	\$10,847.20	\$0.00
20	DRAINAGE FABRIC	SY	522.40	\$5.00	\$2,612.00	522.40	\$2,612.00	\$0.00
21	GEOGRID REINFORCEMENT	SY	500.00	\$6.00	\$3,000.00	0.00	\$0.00	(\$3,000.00)
22	WOVEN GEOTEXTILE FABRIC	SY	381.30	\$9.00	\$3,431.70	381.30	\$3,431.70	\$0.00
23	8" HIGH DENSITY POLYETHELENE PIPE	LF	16.00	\$70.00	\$1,120.00	16.00	\$1,120.00	\$0.00
24	CLASS 3 RIPRAP	T	128.00	\$46.00	\$5,888.00	128.00	\$5,888.00	\$0.00
25	FIBER MULCHING	LB	1,500.00	\$1.25	\$1,875.00	1,500.00	\$1,875.00	\$0.00
26	TYPE 2 EROSION CONTROL BLANKET	SY	1,017.60	\$1.65	\$1,679.04	1,017.60	\$1,679.04	\$0.00
27	VEHICLE TRACKING CONTROL	EA	2.00	\$1,000.00	\$2,000.00	0.00	\$0.00	(\$2,000.00)
28	9" WATTLES	LF	270.00	\$4.00	\$1,080.00	270.00	\$1,080.00	\$0.00

29	TEMPORARY SEDIMENT BARRIER	LF	200.00	\$4.00	\$800.00	0.00	\$0.00	(\$800.00)
30	REMOVE AND RESET WATTLE	LF	60.00	\$1.50	\$90.00	60.00	\$90.00	\$0.00
31	LOW FLOW SILT FENCE	LF	370.00	\$5.75	\$2,127.50	185.00	\$1,063.75	(\$1,063.75)
32	HIGH FLOW SILT FENCE	LF	180.00	\$5.00	\$900.00	0.00	\$0.00	(\$900.00)
33	FLOATING SILT CURTAIN	LF	270.00	\$14.00	\$3,780.00	0.00	\$0.00	(\$3,780.00)
34	SEDIMENT CONTROL AT INLET WITH FRAME AND GRATE	EA	3.00	\$95.00	\$285.00	0.00	\$0.00	(\$285.00)
35	SWEEPING	HR	10.00	\$200.00	\$2,000.00	10.00	\$2,000.00	\$0.00
36	AGGREGATE BASE COURSE, 1"	T	88.20	\$38.00	\$3,351.60	88.20	\$3,351.60	\$0.00
37	GRAVEL CUSHION	T	469.00	\$38.00	\$17,822.00	241.19	\$9,165.22	(\$8,656.78)
38	AC, CLASS G, TYPE 1 PG64-22	T	25.00	\$435.00	\$10,875.00	35.00	\$15,225.00	\$4,350.00
39	PCC PAVEMENT, 10" NONREINFORCED	SY	490.10	\$96.50	\$47,294.65	535.40	\$51,666.10	\$4,371.45
40	DOWEL BAR	EA	217.00	\$19.50	\$4,231.50	217.00	\$4,231.50	\$0.00
41	INSTALL #5 STEEL BAR IN CONCRETE	EA	59.00	\$16.00	\$944.00	63.00	\$1,008.00	\$64.00
42	INSTALL #10 SMOOTH STEEL BAR IN CONCRETE	EA	158.00	\$24.00	\$3,792.00	127.00	\$3,048.00	(\$744.00)
43	CLASS M6 CONCRETE	CY	3.00	\$200.00	\$600.00	3.00	\$600.00	\$0.00
44	CONCRETE TEST SET	EA	20.00	\$135.00	\$2,700.00	3.00	\$405.00	(\$2,295.00)
45	2" RIGID CONDUIT, SCHEDULE 40	LF	281.00	\$6.70	\$1,882.70	281.00	\$1,882.70	\$0.00
46	1/C #6 AWG COPPER WIRE	LF	1,197.00	\$1.90	\$2,274.30	786.00	\$1,493.40	(\$780.90)
47	2' DIAMETER FOOTING	LF	16.00	\$295.00	\$4,720.00	8.00	\$2,360.00	(\$2,360.00)
48	BOX	EA	1.00	\$1,500.00	\$1,500.00	1.00	\$1,500.00	\$0.00
49	COLD APPLIED PLASTIC PAVEMENT MARKING, 4"	LF	1,739.00	\$3.50	\$6,086.50	1,739.00	\$6,086.50	\$0.00
50	COLD APPLIED PLASTIC PAVEMENT MARKING, 8"	LF	85.00	\$7.00	\$595.00	85.00	\$595.00	\$0.00
51	COLD APPLIED PLASTIC PAVEMENT MARKING, 24"	LF	142.00	\$21.00	\$2,982.00	142.00	\$2,982.00	\$0.00
52	COLD APPLIED PLASTIC PAVEMENT MARKING, AREA	SF	62.00	\$12.00	\$744.00	62.00	\$744.00	\$0.00
53	GROOVE FOR COLD APPLIED PLASTIC MARKING, 4"	LF	1,739.00	\$0.75	\$1,304.25	1,739.00	\$1,304.25	\$0.00
54	GROOVE FOR COLD APPLIED PLASTIC MARKING, 8"	LF	85.00	\$1.50	\$127.50	85.00	\$127.50	\$0.00
55	GROOVE FOR COLD APPLIED PLASTIC MARKING, 24"	LF	142.00	\$4.50	\$639.00	142.00	\$639.00	\$0.00
56	GROOVE FOR COLD APPLIED PLASTIC MARKING, AREA	SF	62.00	\$2.50	\$155.00	62.00	\$155.00	\$0.00
57	TRAFFIC CONTROL SIGNS	SF	254.30	\$3.00	\$762.90	284.30	\$852.90	\$90.00
58	TRAFFIC CONTROL, MISCELLANEOUS	LS	1.00	\$3,650.00	\$3,650.00	1.00	\$3,650.00	\$0.00
59	TYPE 3 BARRICADE, 8' DOUBLE SIDED	EA	15.00	\$50.00	\$750.00	18.00	\$900.00	\$150.00
60	PORTABLE CHANGEABLE MESSAGE SIGN	EA	3.00	\$1,300.00	\$3,900.00	3.00	\$3,900.00	\$0.00
61	FLAGGING	HR	200.00	\$40.00	\$8,000.00	110.00	\$4,400.00	(\$3,600.00)

62	INCENTIVE (Refer to Special Bid Conditions and Explanation of Bid Schedules - Page 4.3)	DAY	10.00	\$2,500.00	\$25,000.00	10.00	\$25,000.00	\$0.00
63	8" PVC WATER MAIN	EA	85.00	\$224.49	\$19,081.65	85.00	\$19,081.65	\$0.00
64	8" x 45 DEGREE BEND	EA	4.00	\$1,530.60	\$6,122.40	4.00	\$6,122.40	\$0.00
65	CONNECT TO EXISTING WATER MAIN	EA	2.00	\$2,653.04	\$5,306.08	2.00	\$5,306.08	\$0.00
66	EXPLORATORY EXCAVATION	HR	8.00	\$306.12	\$2,448.96	2.20	\$673.46	(\$1,775.50)
67	TYPE 2 BEDDING	T	27.00	\$61.22	\$1,652.94	0.00	\$0.00	(\$1,652.94)
68	MAIN	LF	85.00	\$153.06	\$13,010.10	85.00	\$13,010.10	\$0.00
69	ADDITIONAL LANE CLOSURE	LS	0.00	\$865.00	\$0.00	1.00	\$865.00	\$865.00
70	8" GATE VALVE W/ BOX AND INSTALLATION	EA	0.00	\$5,970.00	\$0.00	1.00	\$5,970.00	\$5,970.00
71	8" GATE VALVE W/ BOX AND INSTALLATION (VALVE SUPPLIED)	EA	0.00	\$3,970.00	\$0.00	1.00	\$3,970.00	\$3,970.00
72	WATER MAIN INSULATION	EA	0.00	\$600.00	\$0.00	1.00	\$600.00	\$600.00
73	8" x 45 DEGREE BEND W/ CONCRETE THRUST BLOCK	EA	0.00	\$1,530.60	\$0.00	1.00	\$1,530.60	\$1,530.60
<b>TOTAL</b>					<b>\$639,822.38</b>		<b>\$627,567.11</b>	<b>(\$12,255.27)</b>

C.C.O. HISTORY INCREASE/(DECREASE)		PRIOR ADJUSTED CONTRACT PRICE :	\$639,822.38
CCO #1	\$59,645.57	NET INCREASE/(DECREASE):	(\$12,255.27)
CCO #2F	(\$12,255.27)	ADJUSTED CONTRACT PRICE:	\$627,567.11
	\$0.00	CHANGE TO DATE:	\$47,390.30

CONTRACTOR:	PRECISION GRADING LLC	DATE
PROJECT MANAGER:	ROGER HALL, P.E.	DATE
INTERIM CITY ENGINEER:	ROGER HALL, P.E.	DATE
MAYOR:	STEVE ALLENDER	DATE
FINANCE:	PAULINE SUMPTION	DATE
CONTRACT TIME CHANGE +/-:	0	NEW CONTRACT TIME: Days

City Staff recommends approval of this Change Order #2F to Precision Grading LLC for a decrease of \$12,255.27 based on unit pricing with the following appropriation:

Initial Funding	\$580,176.81				\$580,176.81
Fund Type	Drainage				
Department	7403				
Line Item	4371				
Fund	0609				
CCO #1	\$59,645.57				\$59,645.57
CCO #2F	(\$12,255.27)				(\$12,255.27)
Adjusted Funding	\$627,567.11			\$627,567.11	\$627,567.11

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**Perrine/Unnamed Tributary DBDP Phase 3 - East Saint Patrick Street Box Culvert**  
**18-2430 / CIP NO. 51189.3**  
**MAY 10, 2022**  
**ORIGINAL CONTRACT AMOUNT: \$580,176.81**  
**CONTRACTOR: PRECISION GRADING LLC**

LINE ITEM	DESCRIPTION	REASON FOR CHANGE
5	REMOVE SILT FENCE	Less than plans quantity was used, only this quantity needed removal
6	REMOVE AC PAVEMENT	Less asphalt than expected was removed
7	REMOVE PCC PAVEMENT	More than plans quantity was removed due to the water main lowering
8	REMOVE LUMINAIRE POLE FOOTING	Only one footing was removed during construction
12	EXCAVATION, UNCLASSIFIED	More excavation was required for the water main lowering
21	GEOGRID REINFORCEMENT	The Engineer deemed geogrid unnecessary
27	VEHICLE TRACKING CONTROL	No vehicle tracking was utilized during construction
29	TEMPORARY SEDIMENT BARRIER	This barrier was not installed during the project
31	LOW FLOW SILT FENCE	Less silt fence than plans quantity was used
32	HIGH FLOW SILT FENCE	No high flow silt fence was installed on the project
33	FLOATING SILT CURTAIN	No silt curtain was installed on the project
34	SEDIMENT CONTROL AT INLET WITH	Inlets were protected with wattles instead of grate covers
37	GRAVEL CUSHION	Less gravel cushion was required than original plans quantity
38	AC, CLASS G, TYPE 1 PG64-22	More asphalt was required due to extra removed for the water main lowering
39	PCC PAVEMENT, 10" NONREINFORCED	More PCC pavement was required due to extra removed for the water main lowering
41	INSTALL #5 STEEL BAR IN CONCRETE	More #5 bars were required due to extra concrete removed for water main lowering
42	INSTALL #10 SMOOTH STEEL BAR IN	Less #10 bars than plans quantity were needed to meet city specifications
44	CONCRETE TEST SET	Less tests were performed than the original bid estimate
46	1/C #6 AWG COPPER WIRE	Less wire was used due to the lightpole being moved from original plans location
47	2' DIAMETER FOOTING	Only one of the two lightpole footings required removal during construction
57	TRAFFIC CONTROL SIGNS	More traffic signs were required due to the full closure of St Patrick Street after construction started
59	TYPE 3 BARRICADE, 8' DOUBLE SIDED	More 8' Barricades were required due to the full closure of St Patrick Street after construction started
61	FLAGGING	Less flagging was required than the original bid estimate
66	EXPLORATORY EXCAVATION	Less excavation time took place than was estimated in CO1
67	TYPE 2 BEDDING	No type 2 bedding was deemed necessary for the water main lowering
69	ADDITIONAL LANE CLOSURE	Lane closure required due to the public not obeying partial street closure signs
70	8" GATE VALVE W/ BOX AND INSTALL	Requested by Rapid Valley Sanitary District
71	8" GATE VALVE W/ BOX AND INSTALL	Requested by Rapid Valley Sanitary District
72	WATER MAIN INSULATION	Required for water main lowering
73	8" x 45 DEGREE BEND W/ CONCRETE	Required for water main lowering

PREPARED BY: Richard Sudmeier, FMG Engineering

DATE: May 25, 2022

		<b>FUNDING TYPE</b>	
		<b>Drainage</b>	
		<b>COST CENTER</b>	
		<b>7403</b>	
		<b>LINE ITEM</b>	
		<b>4371</b>	
		<b>FUND</b>	
		<b>0609</b>	
ITEM NO.	DESCRIPTION OF ITEM	AMOUNT	PERCENT
1	MOBILIZATION	0.00	100%
2	INCIDENTAL WORK	0.00	100%
3	CONSTRUCTION STAKING	0.00	100%
4	CLEARING AND GRUBBING	0.00	100%
5	REMOVE SILT FENCE	-292.00	100%
6	REMOVE AC PAVEMENT	-745.20	100%
7	REMOVE PCC PAVEMENT	792.75	100%
8	REMOVE LUMINAIRE POLE FOOTI	-800.00	100%
9	REMOVE & RESET SIGN	0.00	100%
10	REMOVE AND RESET LUMINAIRE	0.00	100%
11	AASHTO T-180 SOIL TEST	0.00	100%
12	EXCAVATION, UNCLASSIFIED	522.00	100%
13	CONTRACTOR FURNISHED BORRO	0.00	100%
14	TOPSOIL, FURNISH & PLACE	0.00	100%
15	SEEDING & FERTILIZING	0.00	100%
16	2 - 8' X 3' PRECAST BOX CULVERT	0.00	100%
17	2- 8' X 3' PRECAST BOX CULVERT	0.00	100%
18	STRUCTURE EXCAVATION, BOX C	0.00	100%
19	BOX CULVERT UNDERCUT	0.00	100%
20	DRAINAGE FABRIC	0.00	100%
21	GEOGRID REINFORCEMENT	-3,000.00	100%
22	WOVEN GEOTEXTILE FABRIC	0.00	100%
23	8" HIGH DENSITY POLYETHELENE	0.00	100%
24	CLASS 3 RIPRAP	0.00	100%
25	FIBER MULCHING	0.00	100%
26	TYPE 2 EROSION CONTROL BLAN	0.00	100%
27	VEHICLE TRACKING CONTROL	-2,000.00	100%
28	9" WATTLES	0.00	100%

29	TEMPORARY SEDIMENT BARRIER	-800.00	100%
30	REMOVE AND RESET WATTLE	0.00	100%
31	LOW FLOW SILT FENCE	-1,063.75	100%
32	HIGH FLOW SILT FENCE	-900.00	100%
33	FLOATING SILT CURTAIN	-3,780.00	100%
34	SEDIMENT CONTROL AT INLET WI	-285.00	100%
35	SWEEPING	0.00	100%
36	AGGREGATE BASE COURSE, 1"	0.00	100%
37	GRAVEL CUSHION	-8,656.78	100%
38	AC, CLASS G, TYPE 1 PG64-22	4,350.00	100%
39	PCC PAVEMENT, 10" NONREINFOR	4,371.45	100%
40	DOWEL BAR	0.00	100%
41	INSTALL #5 STEEL BAR IN CONCR	64.00	100%
42	INSTALL #10 SMOOTH STEEL BAR	-744.00	100%
43	CLASS M6 CONCRETE	0.00	100%
44	CONCRETE TEST SET	-2,295.00	100%
45	2" RIGID CONDUIT, SCHEDULE 40	0.00	100%
46	1/C #6 AWG COPPER WIRE	-780.90	100%
47	2' DIAMETER FOOTING	-2,360.00	100%
48	TYPE 1 ELECTRICAL JUNCTION BO	0.00	100%
49	COLD APPLIED PLASTIC PAVEMEN	0.00	100%
50	COLD APPLIED PLASTIC PAVEMEN	0.00	100%
51	COLD APPLIED PLASTIC PAVEMEN	0.00	100%
52	COLD APPLIED PLASTIC PAVEMEN	0.00	100%
53	GROOVE FOR COLD APPLIED PLA	0.00	100%
54	GROOVE FOR COLD APPLIED PLA	0.00	100%
55	GROOVE FOR COLD APPLIED PLA	0.00	100%
56	GROOVE FOR COLD APPLIED PLA	0.00	100%
57	TRAFFIC CONTROL SIGNS	90.00	100%
58	TRAFFIC CONTROL, MISCELLANEO	0.00	100%
59	TYPE 3 BARRICADE, 8' DOUBLE SI	150.00	100%
60	PORTABLE CHANGEABLE MESSAG	0.00	100%
61	FLAGGING	-3,600.00	100%

62	INCENTIVE (Refer to Special Bid Co	0.00	100%
63	8" PVC WATER MAIN	0.00	100%
64	8" x 45 DEGREE BEND	0.00	100%
65	CONNECT TO EXISTING WATER M	0.00	100%
66	EXPLORATORY EXCAVATION	-1,775.50	100%
67	TYPE 2 BEDDING	-1,652.94	100%
68	REMOVE EXISTING AC WATER MA	0.00	100%
69	ADDITIONAL LANE CLOSURE	865.00	100%
70	8" GATE VALVE W/ BOX AND INST,	5,970.00	100%
71	8" GATE VALVE W/ BOX AND INST,	3,970.00	100%
72	WATER MAIN INSULATION	600.00	100%
73	8" x 45 DEGREE BEND W/ CONCRE	1,530.60	100%
		(\$12,255.27)	





