



CITY OF SAN MARCOS CONSTRUCTION CHANGE ORDER (\$50,000 and higher)

PROJECT: Main Lift Station - Force Main Replacement
CONTRACT NO.: 216-104

Date Prepared: 4/16/2020
Change Order #: 1

CONTRACTOR: Cash Construction Company, Inc.
ADDRESS: 217 Kingston Lacy Blvd.
CITY/STATE/ZIP: Pflugerville, TX 78660

We are submitting this Change Order to the referenced contract. In consideration of the Change Order agreed to herein as complete equitable adjustments and full and final payment for the Contractor's additional work, the Contractor hereby releases the Owner from any and all liability under this contract for further equitable adjustments, including additional time for performance, attributable to such facts or circumstances giving rise to the proposal for adjustment.

This authorization provides for the following modifications or additions: Due to elimination of the underground electrical duct bank, approximately 1/3 of the contract value, bid item costs needed to be adjusted accordingly.

I. Utilities

ITEM NUMBER	ITEM SPEC REF.	DESCRIPTION	PREVIOUS QUANTITY	REVISED QUANTITY	CHANGE IN QUANTITY	UNIT	UNIT PRICE	TOTAL
1	700S-TM	Total Mobilization Payment	1	0	-1	LS	\$280,000.56	-\$280,000.56
1a	700S-TM	Total Mobilization Payment	0	1	1	LS	\$246,000.00	\$246,000.00
3	509S-1	Trench Excavation Safety Protective Systems (All Depths and All Pipe and Pipe Removal)	11,740	0	-11,740	LF	\$1.00	-\$11,740.18
3a	509S-1	Trench Excavation Safety Protective Systems (All Depths and All Pipe and Pipe Removal)	0	11,740	11,740	LF	\$1.10	\$12,914.20
4	402S-A	Controlled Low Strength Material/Flowable Fill	389	0	-389	CY	\$168.00	-\$65,365.44
4a	402S-A	Controlled Low Strength Material/Flowable Fill	0	389	389	CY	\$170.00	\$66,143.60
5	510-AR PVC 4" Dia.	Pipe, 4" Dia., PVC C900, DR14	192	0	-192	LF	\$63.00	-\$12,096.00
5a	510-AR PVC 4" Dia.	Pipe, 4" Dia., PVC C900, DR14	0	192	192	LF	\$65.00	\$12,480.00
6	510-AR PVC 12" Dia.	Pipe, 12" Dia., PVC C900, DR14	1,196	0	-1,196	LF	\$74.00	-\$88,495.12
6a	510-AR PVC 12" Dia.	Pipe, 12" Dia., PVC C900, DR14	0	1,196	1,196	LF	\$76.00	\$90,886.88
7	510-AR PVC 20" Dia.	Pipe, 20" Dia., Fusible PVC C900, DR10	20	0	-20	LF	\$350.00	-\$7,000.00
7a	510-AR PVC 20" Dia.	Pipe, 20" Dia., Fusible PVC C900, DR10	0	20	20	LF	\$360.00	\$7,200.00
8	510-AR PVC 24" Dia.	Pipe, 24" Dia., Fusible PVC C905, DR18	7,193	0	-7,193	LF	\$342.00	-\$2,459,927.34
8a	510-AR PVC 24" Dia.	Pipe, 24" Dia., Fusible PVC C905, DR18	0	7,193	7,193	LF	\$359.00	\$2,582,204.43
11	510-AR DI 24" Dia.	Pipe, 24" Dia., DIP AWWA C-151, Pressure Class 250 Min.	162	0	-162	LF	\$422.00	-\$68,165.66
11a	510-AR DI 24" Dia.	Pipe, 24" Dia., DIP AWWA C-151, Pressure Class 250 Min.	0	162	162	LF	\$421.00	\$68,004.13
TOTAL FOR BID CATEGORY								
SUB TOTAL I:								\$93,042.94

II. Electrical/Ductbank

ITEM NUMBER	ITEM SPEC REF.	DESCRIPTION	PREVIOUS QUANTITY	REVISED QUANTITY	CHANGE IN QUANTITY	UNIT	UNIT PRICE	TOTAL
33	260500	Low Voltage Electrical Conductors & Cables - #12AWG	130	0	-130	LF	\$3.40	-\$442.00
33a	260500	Low Voltage Electrical Conductors & Cables - #12AWG	0	130	130	LF	\$4.30	\$559.00
34	260500	Low Voltage Electrical Conductors & Cables - #10AWG	40	0	-40	LF	\$5.50	-\$220.00
34a	260500	Low Voltage Electrical Conductors & Cables - #10AWG	0	40	40	LF	\$7.40	\$296.00
35	260500	Low Voltage Electrical Conductors & Cables - #1AWG	320	0	-320	LF	\$5.50	-\$1,760.00
35a	260500	Low Voltage Electrical Conductors & Cables - #1AWG	0	320	320	LF	\$7.40	\$2,368.00
36	260500	Low Voltage Electrical Conductors & Cables - #18AWG Shielded	80	0	-80	LF	\$3.00	-\$240.00
36a	260500	Low Voltage Electrical Conductors & Cables - #18AWG Shielded	0	80	80	LF	\$3.80	\$304.00
37	260526	Grounding & Bonding for Electrical Systems - #12AWG	190	0	-190	LF	\$3.10	-\$589.00
37a	260526	Grounding & Bonding for Electrical Systems - #12AWG	0	190	190	LF	\$3.90	\$741.00
38	260526	Grounding & Bonding for Electrical Systems - #8AWG	50	0	-50	LF	\$5.50	-\$275.00
38a	260526	Grounding & Bonding for Electrical Systems - #8AWG	0	50	50	LF	\$7.40	\$370.00
39	260526	Grounding & Bonding for Electrical Systems - #6AWG	10	0	-10	LF	\$8.50	-\$85.00
39a	260526	Grounding & Bonding for Electrical Systems - #6AWG	0	10	10	LF	\$12.35	\$123.50
40	260533	Conduits - 3/4" (Bulk Filling Station)	10	0	-10	LF	\$8.50	-\$85.00
40a	260533	Conduits - 3/4" (Bulk Filling Station)	0	10	10	LF	\$11.70	\$117.00
42	260526	Conduits - 2" (Bulk Filling Station, Lift Station)	460	0	-460	LF	\$9.00	-\$4,140.00
42a	260526	Conduits - 2" (Bulk Filling Station, Lift Station)	0	460	460	LF	\$13.00	\$5,980.00
43	260526	Conduits - 4" PVC (Underground-Lift Station)	100	0	-100	LF	\$10.50	-\$1,050.00
44	260526	Conduits - 4" PVC (Above Grade-Lift Station)	130	0	-130	LF	\$200.00	-\$26,000.00
45	260526	Conduits - 4" PVC (Underground-Telco Franchise Utility)	9,475	0	-9,475	LF	\$8.50	-\$80,537.50
46	260526	Conduits - 6" PVC (Underground SMEU Telco w/ 1" Innerduct)	3,265	0	-3,265	LF	\$20.00	-\$65,300.00
47	260526	Conduits - 6" PVC (Underground SMEU Power)	27,415	0	-27,415	LF	\$14.20	-\$389,293.00
48	260543	Manholes - 12x12 SMEU (Include Excavation & Backfill)	6	0	-6	EA	\$55,000.00	-\$330,000.00
49	260543	Manholes - 6x12 SMEU (Include Excavation & Backfill)	5	0	-5	EA	\$30,000.00	-\$150,000.00
50	260533	Pull and Junction Boxes (318SS-Lift Station)	2	0	-2	EA	\$6,000.00	-\$12,000.00
51	260543	Pullboxes-Concrete (Telco Franchise Utility/4"C.)	1	0	-1	EA	\$11,000.00	-\$11,000.00
52	260543	Pullboxes-Concrete (SMEU Telco/6"C.)	3	0	-3	EA	\$11,000.00	-\$33,000.00
53	260543	Pullboxes-Concrete (Lift Station)	2	0	-2	EA	\$11,000.00	-\$22,000.00
53a	260543	Pullboxes-Concrete (Lift Station)	0	2	2	EA	\$6,500.00	\$13,000.00
54	260573	Electrical Power Systems Study (Bulk Filling Station)	1	0	-1	EA	\$10,500.00	-\$10,500.00
54a	260573	Electrical Power Systems Study (Bulk Filling Station)	0	1	1	EA	\$11,000.00	\$11,000.00
55	260823	Lighting Contactor/Photocell (Bulk Filling Station)	1	0	-1	EA	\$7,000.00	-\$7,000.00
55a	260823	Lighting Contactor/Photocell (Bulk Filling Station)	0	1	1	EA	\$7,500.00	\$7,500.00
56	262416	Panelboards (Bulk Filling Station)	1	0	-1	EA	\$7,500.00	-\$7,500.00
56a	262416	Panelboards (Bulk Filling Station)	0	1	1	EA	\$8,000.00	\$8,000.00
57	262726	Wiring Devices (Bulk Filling Station)	1	0	-1	EA	\$3,500.00	-\$3,500.00
57a	262726	Wiring Devices (Bulk Filling Station)	0	1	1	EA	\$3,800.00	\$3,800.00
58	262816	Enclosed Switches (Bulk Filling Station)	1	0	-1	EA	\$6,000.00	-\$6,000.00
58a	262816	Enclosed Switches (Bulk Filling Station)	0	1	1	EA	\$6,500.00	\$6,500.00
59	265600	Exterior Lighting (Bulk Filling Station - Pole/Fixture)	2	0	-2	EA	\$8,000.00	-\$16,000.00
59a	265600	Exterior Lighting (Bulk Filling Station - Pole/Fixture)	0	2	2	EA	\$8,500.00	\$17,000.00
60		Relocate Security Camera (Lift Station)	1	0	-1	EA	\$600.00	-\$600.00
61		Service Transformer Pad (Bulk Filling Station)	1	0	-1	EA	\$2,300.00	-\$2,300.00
61a		Service Transformer Pad (Bulk Filling Station)	0	1	1	EA	\$2,500.00	\$2,500.00
62		Service Transformer Pad (Lift Station)	1	0	-1	EA	\$2,300.00	-\$2,300.00
63		Equipment Rack for Meter (Bulk Filling Station)	1	0	-1	EA	\$16,000.00	-\$16,000.00
63a		Equipment Rack for Meter (Bulk Filling Station)	0	1	1	EA	\$18,000.00	\$18,000.00
64		Equipment Rack for Meter (Lift Station)	1	0	-1	EA	\$500.00	-\$500.00
65		Temporary Support of Existing Utilities	1	0	-1	LS	\$15,000.00	-\$15,000.00
66		Process Integration	1	0	-1	LS	\$18,000.00	-\$18,000.00
66a		Process Integration	0	1	1	LS	\$18,700.00	\$18,700.00
67	511S-L	Relocate Existing Fire Hydrant	2	0	-2	EA	\$3,500.00	-\$7,000.00
68	510-S	Relocate 2" Waterline	3	0	-3	EA	\$2,500.00	-\$7,500.00



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69	Excavation and Backfill for Duct Banks (Includes all Excavation, Compacted Backfill, Flowable Fill, Concrete, Curb/Gutter Replacement, Fence Replacement, Tree Protection, Ramp Replacement, Pavement Replacement and Surface Restoration)	3,057	0	-3,057	LF	\$630.00	-\$1,925,910.00
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TOTAL FOR BID CATEGORY SUB TOTAL II: **-\$3,056,768.00**

III. Stormwater

ITEM NUMBER	ITEM SPEC REF.	DESCRIPTION	PREVIOUS QUANTITY	REVISED QUANTITY	CHANGE IN QUANTITY	UNIT	UNIT PRICE	TOTAL
73	111S-A	Extra Excavation (Due to Deep Stormwater)	2,000	0	-2,000	CY	\$18.00	-\$32,000.00
73a	111S-A	Extra Excavation (Due to Deep Stormwater)	0	2,000	2,000	CY	\$17.00	\$34,000.00
74	510-ASD 18" Dia	18" RCP (CL-III) Including Bedding & Backfill	31	0	-31	LF	\$110.00	-\$3,410.00
74a	510-ASD 18" Dia	18" RCP (CL-III) Including Bedding & Backfill	0	31	31	LF	\$112.00	\$3,472.00
75	510-ASD 24" Dia	24" RCP (CL-III) Including Bedding & Backfill	112	0	-112	LF	\$250.00	-\$28,000.00
75a	510-ASD 24" Dia	24" RCP (CL-III) Including Bedding & Backfill	0	112	112	LF	\$253.00	\$28,336.00
76	510-ASD 24" Dia	24" RCP (CL-IV) Including Bedding & Backfill	589	0	-589	LF	\$300.00	-\$178,700.00
76a	510-ASD 24" Dia	24" RCP (CL-IV) Including Bedding & Backfill	0	589	589	LF	\$305.00	\$179,645.00
77	510-ASD 48" Dia	48" RCP (CL-IV) Including Bedding & Backfill	8	0	-8	LF	\$365.00	-\$2,920.00
77a	510-ASD 48" Dia	48" RCP (CL-IV) Including Bedding & Backfill	0	8	8	LF	\$370.00	\$2,960.00
78	510-ASD 54" Dia	54" RCP (CL-IV) Including Bedding & Backfill	35	0	-35	LF	\$565.00	-\$19,775.00
78a	510-ASD 54" Dia	54" RCP (CL-IV) Including Bedding & Backfill	0	35	35	LF	\$570.00	\$19,950.00
79	559S	Precast Concrete Box Culverts, 5ft x 5ft	407	0	-407	LF	\$635.00	-\$258,445.00
79a	559S	Precast Concrete Box Culverts, 5ft x 5ft	0	407	407	LF	\$640.00	\$260,480.00
80	510-HW	Cement Stabilized Backfill, 24" Dia.	24	0	-24	LF	\$64.00	-\$1,536.00
80a	510-HW	Cement Stabilized Backfill, 24" Dia.	0	24	24	LF	\$68.00	\$1,584.00
81	510-HW	Cement Stabilized Backfill, 6" Dia.	3	0	-3	LF	\$32.00	-\$96.00
81a	510-HW	Cement Stabilized Backfill, 6" Dia.	0	3	3	LF	\$33.00	\$99.00
82	506S-MSW	Standard Pre-Cast Manhole w/ Pre-Cast Base, 60" Dia.	2	0	-2	EA	\$4,500.00	-\$9,000.00
82a	506S-MSW	Standard Pre-Cast Manhole w/ Pre-Cast Base, 60" Dia.	0	2	2	EA	\$4,700.00	\$9,400.00
83	506S-CNSW	Connection to Existing 84" Manhole	1	0	-1	EA	\$3,500.00	-\$3,500.00
83a	506S-CNSW	Connection to Existing 84" Manhole	0	1	1	EA	\$3,600.00	\$3,600.00
84	506S-JSW	Junction Box (JB), 8ft x 8ft	4	0	-4	EA	\$14,000.00	-\$56,000.00
84a	506S-JSW	Junction Box (JB), 8ft x 8ft	0	4	4	EA	\$15,000.00	\$60,000.00
85	506S-EDMSW	Extra Depth of 8ft x 8ft JB	46	0	-46	VLF	\$800.00	-\$36,800.00
85a	506S-EDMSW	Extra Depth of 8ft x 8ft JB	0	46	46	VLF	\$850.00	\$39,100.00
86	506S-I10S	10" Curb Inlet	1	0	-1	EA	\$6,900.00	-\$6,900.00
86a	506S-I10S	10" Curb Inlet	0	1	1	EA	\$7,000.00	\$7,000.00
87	506S-CNSW	Connection to Existing Inlet	8	0	-8	EA	\$2,000.00	-\$16,000.00
87a	506S-CNSW	Connection to Existing Inlet	0	8	8	EA	\$2,100.00	\$16,800.00
88	510-AW 12" Dia.	Water Main Vertical Adjustment, 12" Dia, PVC (C-900)(All Depths), Including Excavation and Backfill	80	0	-80	LF	\$340.00	-\$27,200.00
88a	510-AW 12" Dia.	Water Main Vertical Adjustment, 12" Dia, PVC (C-900)(All Depths), Including Excavation and Backfill	0	80	80	LF	\$350.00	\$28,000.00
89	510-AW 6" Dia.	Water Main Vertical Adjustment, 6" Dia, PVC (C-900)(All Depths), Including Excavation and Backfill	15	0	-15	LF	\$420.00	-\$6,300.00
89a	510-AW 6" Dia.	Water Main Vertical Adjustment, 6" Dia, PVC (C-900)(All Depths), Including Excavation and Backfill	0	15	15	LF	\$440.00	\$6,600.00
90	510-AW 6" Dia.	Water Main, 6" Dia., PVC (C-900)(All Depths), Including Excavation and Backfill	107	0	-107	LF	\$100.00	-\$10,700.00
90a	510-AW 6" Dia.	Water Main, 6" Dia., PVC (C-900)(All Depths), Including Excavation and Backfill	0	107	107	LF	\$105.00	\$11,235.00
91	510S	2" Water Service Lines (HDPE), Including Tapping Saddle, Service Line, and Components up to the Meter, Complete In-Place	2	0	-2	EA	\$8,000.00	-\$16,000.00
91a	510S	2" Water Service Lines (HDPE), Including Tapping Saddle, Service Line, and Components up to the Meter, Complete In-Place	0	2	2	EA	\$8,200.00	\$16,400.00
92	510S	Remove 6" Water Main (PVC C-900)	107	0	-107	LF	\$31.00	-\$3,317.00
92a	510S	Remove 6" Water Main (PVC C-900)	0	107	107	LF	\$33.00	\$3,531.00
93		Remove 24" RCP	152	0	-152	LF	\$34.00	-\$5,168.00
93a		Remove 24" RCP	0	152	152	LF	\$36.00	\$5,472.00
94		Remove 60" SD MH	2	0	-2	EA	\$2,000.00	-\$4,000.00
94a		Remove 60" SD MH	0	2	2	EA	\$2,100.00	\$4,200.00
95	506S-ABSW	Abandon 60" SD MH	2	0	-2	EA	\$2,000.00	-\$4,000.00
95a	506S-ABSW	Abandon 60" SD MH	0	2	2	EA	\$2,100.00	\$4,200.00
96		Remove Existing 5' Inlet	1	0	-1	EA	\$2,000.00	-\$2,000.00
96a		Remove Existing 5' Inlet	0	1	1	EA	\$2,100.00	\$2,100.00
97	TxDOT 467	Set (Type II) 3:1 Slope, 24" RCP, Cross	6	0	-6	EA	\$2,000.00	-\$12,000.00
97a	TxDOT 468	Set (Type II) 3:1 Slope, 24" RCP, Cross	0	6	6	EA	\$2,100.00	\$12,600.00
98	TxDOT 467	Set (Type II) 6:1 Slope, 24" RCP, Cross	2	0	-2	EA	\$3,000.00	-\$6,000.00
98a	TxDOT 468	Set (Type II) 6:1 Slope, 24" RCP, Cross	0	2	2	EA	\$3,100.00	\$6,200.00
99	104S-D	Remove Existing Headwall	15	0	-15	LF	\$200.00	-\$3,000.00
99a	104S-D	Remove Existing Headwall	0	15	15	LF	\$220.00	\$3,300.00
100	591S-A	Dry Rock Rip-Rap (Class 1), D50 = 6" Dia., w/ Geotextile Fabric	62	0	-62	SY	\$58.10	-\$3,602.20
100a	591S-A	Dry Rock Rip-Rap (Class 1), D50 = 6" Dia., w/ Geotextile Fabric	0	62	62	SY	\$60.00	\$3,720.00

TOTAL FOR BID CATEGORY SUB TOTAL III: **\$19,614.80**

III. Pavement Markings

ITEM NUMBER	ITEM SPEC REF.	DESCRIPTION	PREVIOUS QUANTITY	REVISED QUANTITY	CHANGE IN QUANTITY	UNIT	UNIT PRICE	TOTAL
101	802S-B C.I.P.	Pair of C.I.P. Project Signs	2	0	-2	EA	\$2,000.00	-\$4,000.00
101a	802S-B C.I.P.	Pair of C.I.P. Project Signs	0	2	2	EA	\$2,100.00	\$4,200.00
102	803S	Barricade, Signs and Traffic Handling	10	0	-10	MO	\$3,000.00	-\$30,000.00
102a	803S	Barricade, Signs and Traffic Handling	0	10	10	MO	\$3,100.00	\$31,000.00
118	TxDOT512-8009	Port CTB (FUR & INST)(Low Prof)(Ty 1)	1,340	0	-1,340	LF	\$80.00	-\$107,200.00
118a	TxDOT512-8010	Port CTB (FUR & INST)(Low Prof)(Ty 1)	0	1,340	1,340	LF	\$82.00	\$109,880.00
119	TxDOT512-8010	Port CTB (FUR & INST)(Low Prof)(Ty 2)	120	0	-120	LF	\$75.00	-\$9,000.00
119a	TxDOT512-8011	Port CTB (FUR & INST)(Low Prof)(Ty 2)	0	120	120	LF	\$77.00	\$9,240.00
120	TxDOT512-6033	Port CTB (Move)(Low Prof)(Ty 1)	1,520	0	-1,520	LF	\$15.00	-\$22,800.00
120a	TxDOT512-6034	Port CTB (Move)(Low Prof)(Ty 1)	0	1,520	1,520	LF	\$17.00	\$25,840.00
121	TxDOT512-6034	Port CTB (Move)(Low Prof)(Ty 2)	200	0	-200	LF	\$15.00	-\$3,000.00
121a	TxDOT512-6035	Port CTB (Move)(Low Prof)(Ty 2)	0	200	200	LF	\$17.00	\$3,400.00

TOTAL FOR BID CATEGORY SUB TOTAL IV: **\$7,580.00**



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(\$50,000 and higher)

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TOTAL CHANGE ORDER

TOTAL I+II+III+IV: -\$2,936,550.26

CHANGE IN DAYS REQUESTED FOR CHANGE ORDER

Date	Contract Document	Amount	Days	Running Sum	% Change \$
4/7/2020	ORIGINAL CONTRACT AMOUNT:	\$9,286,059.00	0	\$9,286,059.00	0.0%
4/16/2020	CHANGE ORDER 1:	(\$2,936,550.26)	0	\$6,349,508.74	-31.6%
	REVISED CONTRACT AMOUNT/DAYS:	\$6,349,508.74	0		

Your signature below will constitute your acceptance of this Change Order:

1. Prepared By Project Manager:	 Rey A. Garcia, P.E., Senior Engineer	4/16/2020	2. Contractor:	 Trey Dickehut, Vice President	4/17/20
3. Design Consultant:	 Anne Hoskins, P.E., Project Manager	04/16/2020	4. Recommended by Department Director:	 Laurie Moyer, P.E., Director of Engineering/CIP	
5. Reviewed by Finance:	 Contractor Administrator		6. Approved By:		
	 Purchasing Manager			 City Manager	
Distribution List: Project Manager Finance Department - Contract Administration Contractor Inspector					