



Change Order No. 02

Date of Issuance:	<u>8/11/2016</u>	Effective Date:	<u>8/11/2016</u>
Owner:	<u>Metro Flood Diversion Authority</u>	Owner's Contract No.:	<u>WP-42H.2</u>
Owner's Representative:	<u>CH2M HILL Engineers, Inc.</u>	Owner's Representative Project No.:	<u>479407</u>
Contractor:	<u>Reiner Contracting Inc.</u>	Contractor's Project No.:	<u>42H.2</u>
Engineer:	<u>Houston-Moore Group, LLC</u>	Work Package No.:	<u>WP-42H.2</u>
Project:	<u>Fargo-Moorhead Area Diversion</u>	Contract Name:	<u>El Zagal Area Flood Risk Mgmt-Phase 2</u>

The Contract is modified as follows upon execution of this Change Order:

**Description:**

**1. PLUGGED SANITARY GRAVITY LINE**

This item shall pay for all labor and equipment on standby as a result of a plugged City of Fargo sanitary sewer gravity line. Contractor to be paid \$2,068.82 lump sum for this item.

**2. TREE REMOVAL**

This item shall pay for all labor, materials and equipment needed to remove and properly dispose two ash trees and one birch tree along Elm Street. Contractor to be paid \$2,950.00 lump sum for this item.

**3. STORM MANHOLE REPAIR**

This item shall pay for all labor, materials and equipment needed to repair two existing storm pipe connections at the manhole located downstream of the new gatewell structure. Work included, but not limited to, excavation, removal of concrete plugs and pipe segments, installation of rock pipe bedding, installing new pipe with concrete collars at joints, concrete seal at pipe to manhole connections, backfilling, compacting, tree removal of four trees smaller than 6-inch diameter each, etc. Contractor to be paid \$18,025.25 lump sum for this item. Add one (1) work day to the Contract Milestones, Substantial Completion and Final Completion dates.




**4. STANDBY TIME DUE TO LIFT STATION/FORCEMAIN PROBLEM**

This item shall pay for all labor and equipment on standby as a result of the 6-inch PVC sanitary forcemain showing indications of an obstruction, adversely affecting the new lift station. Contractor to be paid \$11,524.13 lump sum for this item. Add (3) three work days to the Contract Milestones, Substantial Completion and Final Completion dates.

**Attachments:**

- Change Order 02 Unit Price Schedule Dated 8/11/2016

CHANGE IN CONTRACT PRICE	CHANGE IN CONTRACT TIMES <i>[note changes in Milestones if applicable]</i>
Original Contract Price: <b>1,515,798.64</b>	Original Contract Times: Milestone 1: <u>May 1, 2016</u> Milestone 2: <u>August 1, 2016</u> Substantial Completion: <u>October 1, 2016</u> Ready for Final Payment: <u>October 31, 2016</u>
[Increase] [ <del>Decrease</del> ] from previously approved Change Orders  <b>26,997.30</b>	[Increase] [ <del>Decrease</del> ] from previously approved Change Orders Milestone 1: <u>5 Days</u> Milestone 2: <u>5 Days</u> Substantial Completion: <u>5 days</u> Ready for Final Payment: <u>5 days</u>
Contract Price prior to this Change Order:  <b>1,542,795.94</b>	Contract Times prior to this Change Order: Milestone 1: <u>May 6, 2016</u> Milestone 2: <u>August 8, 2016</u> Substantial Completion: <u>October 7, 2016</u> Ready for Final Payment: <u>November 7, 2016</u>
[Increase] [ <del>Decrease</del> ] of this Change Order:  <b>\$34,568.20</b>	[Increase] [ <del>Decrease</del> ] of this Change Order: Substantial Completion: <u>4 work days</u> Milestone 2: <u>4 work days</u> Ready for Final Payment : <u>4 work days</u>
Contract Price incorporating this Change Order:  <b>1,577,364.14</b>	Contract Times with all approved Change Orders: Milestone 1: Complete Milestone 2: <u>August 12, 2016</u> Substantial Completion: <u>October 13, 2016</u> Ready for Final Payment: <u>November 11, 2016</u>

<b>RECOMMENDED:</b> By: <u></u> Owner's Representative (Authorized Signature)	<b>ACCEPTED:</b> By: <u></u> Owner (Authorized Signature)	<b>ACCEPTED:</b> By: <u></u> Contractor (Authorized Signature)
Name: <u>Tyler Smith, P.E.</u> Title: <u>Construction Manager</u> Date: <u>8/11/16</u>	Name: <u>Darrell Vanyo</u> Title: <u>Chairman</u> Date: <u>8/11/16</u>	Name: <u>Tom Soucek</u> Title: <u>Project Manager</u> Date: _____

WP-42H.2  
El Zagal Area Flood Risk Mgmt - Phase 2

Change Order 1 Unit Price Schedule - Draft  
DATE: 4/28/2016



WP-42H.2 - El Zagal Area Flood Risk Mgmt - Phase 2												
ITEM	DESCRIPTION	UNIT	Current Budget			Net Change			New Budget			
			QUANTITY	UNIT PRICE	AMOUNT	QUANTITY	UNIT PRICE	AMOUNT	QUANTITY	UNIT PRICE	AMOUNT	
0001	Abandon Manhole	EA	4.00	430.34 \$	1,721.36				4.00	430.34 \$	1,721.36	
0002	F&I Manhole 4' Dia Reinf Conc	EA	2.00	5,447.97 \$	10,895.94				2.00	5,447.97 \$	10,895.94	
0003	F&I Manhole 6' Dia Reinf Conc	EA	1.00	8,215.58 \$	8,215.58				1.00	8,215.58 \$	8,215.58	
0004	Remove Manhole	EA	1.00	872.26 \$	872.26				1.00	872.26 \$	872.26	
0005	Plug Pipe 8" Dia	EA	2.00	293.06 \$	586.12				2.00	293.06 \$	586.12	
0006	Plug Pipe 10" Dia	EA	4.00	293.07 \$	1,172.28				4.00	293.07 \$	1,172.28	
0007	Plug Pipe 16" Dia	EA	7.00	293.19 \$	2,052.33				7.00	293.19 \$	2,052.33	
0008	Plug Pipe 30" Dia	EA	2.00	350.07 \$	700.14				2.00	350.07 \$	700.14	
0009	F&I Pipe SDR 26 - 10" Dia PVC	LF	542.00	67.00 \$	36,314.00				542.00	67.00 \$	36,314.00	
0010	Remove Pipe All Sizes All Types	LF	215.00	33.57 \$	7,217.55				215.00	33.57 \$	7,217.55	
0011	F&I Lift Station	LS	1.00	366,475.00 \$	366,475.00				1.00	366,475.00 \$	366,475.00	
0012	F&I Foremain 6" Dia	LF	12.00	89.18 \$	1,070.16				12.00	89.18 \$	1,070.16	
0013	F&I Fittings Ductile Iron	LB	105.00	6.67 \$	700.35				105.00	6.67 \$	700.35	
0014	F&I Fittings Ductile Iron	LB	115.00	5.75 \$	661.25				115.00	5.75 \$	661.25	
0015	F&I Hydrant	EA	1.00	5,701.78 \$	5,701.78				1.00	5,701.78 \$	5,701.78	
0016	Plug Pipe 6" Dia	EA	2.00	405.05 \$	810.10				2.00	405.05 \$	810.10	
0017	F&I Pipe CS90 DR18 - 6" Dia PVC	LF	11.00	53.55 \$	589.05				11.00	53.55 \$	589.05	
0018	Connect Pipe to Exist Pipe	EA	1.00	716.25 \$	716.25				1.00	716.25 \$	716.25	
0019	Remove Pipe All Sizes All Types	LF	350.00	12.16 \$	4,256.00				350.00	12.16 \$	4,256.00	
0020	Abandon Manhole	EA	1.00	358.11 \$	358.11				1.00	358.11 \$	358.11	
0021	F&I Manhole 4' Dia Reinf Conc	EA	4.00	3,044.06 \$	12,176.24				4.00	3,044.06 \$	12,176.24	

WP-42H.2 - El Zagal Area Flood Risk Mgmt - Phase 2

ITEM	DESCRIPTION	UNIT	Current Budget			Net Change			New Budget		
			QUANTITY	UNIT PRICE	AMOUNT	QUANTITY	UNIT PRICE	AMOUNT	QUANTITY	UNIT PRICE	AMOUNT
0022	F&I Manhole 5' Dia Reinf Conc	EA	1.00	4,644.60	\$ 4,644.60				1.00	4,644.60	\$ 4,644.60
0023	F&I Manhole 6' Dia Reinf Conc	EA	2.00	5,637.56	\$ 11,275.12				2.00	5,637.56	\$ 11,275.12
0024	F&I Inlet - Manhole (MHI) 4' Dia Reinf Conc	EA	1.00	2,352.05	\$ 2,352.05				1.00	2,352.05	\$ 2,352.05
0025	F&I Inlet - Manhole (MHI) Type E Reinf Conc	EA	1.00	22,079.52	\$ 22,079.52				1.00	22,079.52	\$ 22,079.52
0026	F&I Inlet - Round (ROJ) Reinf Conc	EA	1.00	1,187.63	\$ 1,187.63				1.00	1,187.63	\$ 1,187.63
0027	F&I Gatewell	EA	1.00	101,383.76	\$ 101,383.76				1.00	101,383.76	\$ 101,383.76
0028	Plug Pipe 18" Dia	EA	3.00	381.26	\$ 1,143.78				3.00	381.26	\$ 1,143.78
0029	Connect Pipe to Existing Structure	EA	1.00	1,701.18	\$ 1,701.18				1.00	1,701.18	\$ 1,701.18
0030	F&I Pipe 30" Dia Reinf Conc	LF	153.00	79.98	\$ 12,236.94				153.00	79.98	\$ 12,236.94
0031	F&I Pipe 30" Dia Reinf Conc - CLS	LF	203.00	103.54	\$ 21,018.62				203.00	103.54	\$ 21,018.62
0032	F&I Pipe 12" Dia Polypropylene	LF	49.00	39.75	\$ 1,947.75				49.00	39.75	\$ 1,947.75
0033	F&I Pipe 15" Dia Polypropylene	LF	148.00	42.52	\$ 6,292.96				148.00	42.52	\$ 6,292.96
0034	F&I Pipe 18" Dia Polypropylene	LF	227.00	51.13	\$ 11,606.51				227.00	51.13	\$ 11,606.51
0035	F&I Pipe 30" Dia Polypropylene	LF	108.00	99.87	\$ 10,785.96				108.00	99.87	\$ 10,785.96
0036	Remove Pipe All Sizes All Types	LF	142.00	17.06	\$ 2,422.52				142.00	17.06	\$ 2,422.52
0037	Subgrade Preparation	SY	1,392.00	1.62	\$ 2,255.04				1,392.00	1.62	\$ 2,255.04
0038	F&I Nonwoven Geotextile	SY	1,392.00	2.08	\$ 2,895.36				1,392.00	2.08	\$ 2,895.36
0039	Remove Sidewalk 4" Thick Conc	SY	185.00	4.09	\$ 756.65				185.00	4.09	\$ 756.65
0040	F&I Sidewalk 4" Thick Reinf Conc	SY	1,065.00	50.65	\$ 53,942.25				1,065.00	50.65	\$ 53,942.25
0041	F&I Det Warn Panels Cast Iron	SF	56.00	51.14	\$ 2,863.84				56.00	51.14	\$ 2,863.84
0042	Remove Curb and Gutter	LF	605.00	3.26	\$ 1,972.30				605.00	3.26	\$ 1,972.30
0043	F&I Curb & Gutter Standard (Type I)	LF	95.00	37.29	\$ 3,542.55				95.00	37.29	\$ 3,542.55
0044	F&I Curb & Gutter Standard (Type II)	LF	607.00	26.10	\$ 15,842.70				607.00	26.10	\$ 15,842.70
0045	F&I Class 5 Agg - 6" Thick	SY	255.00	9.10	\$ 2,320.50				255.00	9.10	\$ 2,320.50

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ITEM	DESCRIPTION	UNIT	Current Budget			Net Change			New Budget		
			QUANTITY	UNIT PRICE	AMOUNT	QUANTITY	UNIT PRICE	AMOUNT	QUANTITY	UNIT PRICE	AMOUNT
0046	F&I Class 5 Agg - 8" Thick	SY	317.00	10.60	\$ 3,360.20				317.00	10.60	\$ 3,360.20
0047	F&I Class 5 Agg - 9" Thick	SY	1,025.00	11.29	\$ 11,572.25				1,025.00	11.29	\$ 11,572.25
0048	F&I Pavement Mix Base Course Asphalt - 6"	SY	1,025.00	31.45	\$ 32,236.25				1,025.00	31.45	\$ 32,236.25
0049	F&I Pavement Mix Wear Course Asphalt - 2"	SY	1,025.00	11.19	\$ 11,469.75				1,025.00	11.19	\$ 11,469.75
0050	F&I Pavement 6" Thick Reinf Conc	SY	255.00	71.39	\$ 18,204.45				255.00	71.39	\$ 18,204.45
0051	F&I Pavement 7" Thick Reinf Conc	SY	65.00	76.71	\$ 4,985.15				65.00	76.71	\$ 4,985.15
0052	F&I Pavement 8" Thick Reinf Conc	SY	317.00	83.11	\$ 26,345.87				317.00	83.11	\$ 26,345.87
0053	Remove Pavement All Thickness Asphalt	SY	85.00	9.87	\$ 838.95				85.00	9.87	\$ 838.95
0054	Remove Pavement 8" Thick Conc	SY	1,240.00	6.68	\$ 8,283.20				1,240.00	6.68	\$ 8,283.20
0055	Rem & Rep Pavement 8" Thick Asphalt	SY	105.00	62.37	\$ 6,548.85				105.00	62.37	\$ 6,548.85
0056	Temp Fence - Safety	LF	700.00	2.82	\$ 1,974.00				700.00	2.82	\$ 1,974.00
0057	Excavation	CY	3,000.00	4.00	\$ 12,000.00				3,000.00	4.00	\$ 12,000.00
0058	Fill - CL3	CY	3,000.00	20.10	\$ 60,300.00				3,000.00	20.10	\$ 60,300.00
0059	Remove Tree	EA	41.00	178.67	\$ 7,325.47				41.00	178.67	\$ 7,325.47
0060	Remove Landscaping	LS	1.00	881.08	\$ 881.08				1.00	881.08	\$ 881.08
0061	Remove Driveway All Thicknesses All Types	SY	280.00	4.25	\$ 1,190.00				280.00	4.25	\$ 1,190.00
0062	Demolition - Structures	EA	8.00	13,612.66	\$ 108,901.28				8.00	13,612.66	\$ 108,901.28
0063	Demolition - Foundation	EA	8.00	7,440.76	\$ 59,526.08				8.00	7,440.76	\$ 59,526.08
0064	F&I Decid Tree 1.0"	EA	44.00	202.44	\$ 8,907.36				44.00	202.44	\$ 8,907.36
0065	F&I Decid Tree 1.5"	EA	66.00	303.66	\$ 20,041.56				66.00	303.66	\$ 20,041.56
0066	F&I Landscaping	LS	1.00	1,278.56	\$ 1,278.56				1.00	1,278.56	\$ 1,278.56
0067	F&I Weed Barrier Geotextile	SY	25.00	4.26	\$ 106.50				25.00	4.26	\$ 106.50
0068	F&I Buliet Edging	LF	70.00	3.20	\$ 224.00				70.00	3.20	\$ 224.00
0069	Traffic Control - Type 2	LS	1.00	19,224.58	\$ 19,224.58				1.00	19,224.58	\$ 19,224.58

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ITEM	DESCRIPTION	UNIT	Current Budget			Net Change			New Budget		
			QUANTITY	UNIT PRICE	AMOUNT	QUANTITY	UNIT PRICE	AMOUNT	QUANTITY	UNIT PRICE	AMOUNT
0070	Topsoll - Strip and Spread	SY	13,350.00	1.95	\$ 26,032.50				13,350.00	1.95	\$ 26,032.50
0071	Inspection Trench	CY	5,000.00	4.13	\$ 20,650.00				5,000.00	4.13	\$ 20,650.00
0072	Fill - Import	CY	8,500.00	9.30	\$ 79,050.00				8,500.00	9.30	\$ 79,050.00
0073	F&I Floodwall - Structural Concrete	CY	132.00	750.06	\$ 99,007.92				132.00	750.06	\$ 99,007.92
0074	F&I Floodwall - Reinf Bars	LB	18,469.00	1.09	\$ 20,131.21				18,469.00	1.09	\$ 20,131.21
0075	F&I Floodwall - Safety Cap	LF	56.00	97.04	\$ 5,434.24				56.00	97.04	\$ 5,434.24
0076	F&I Floodwall - Removable	SF	282.00	174.33	\$ 49,161.06				282.00	174.33	\$ 49,161.06
0077	Seeding Type B	SY	13,350.00	0.15	\$ 2,002.50				13,350.00	0.15	\$ 2,002.50
0078	Mulching Type 1 - Hydro	SY	8,800.00	0.37	\$ 3,256.00				8,800.00	0.37	\$ 3,256.00
0079	Weed Control Type B	SY	13,350.00	0.06	\$ 801.00				13,350.00	0.06	\$ 801.00
0080	Temp Construction Entrance	EA	3.00	1,975.00	\$ 5,925.00				3.00	1,975.00	\$ 5,925.00
0081	Silt Fence - Standard	LF	2,126.00	1.76	\$ 3,741.76				2,126.00	1.76	\$ 3,741.76
0082	Sediment Control Log 6" to 8" Dia	LF	150.00	2.40	\$ 360.00				150.00	2.40	\$ 360.00
0083	Inlet Protection - New Inlet	EA	6.00	213.09	\$ 1,278.54				6.00	213.09	\$ 1,278.54
0084	Inlet Protection - Existing Inlet	EA	6.00	191.79	\$ 1,150.74				6.00	191.79	\$ 1,150.74
0085	F&I Erosion Control Blanket Type 3	SY	4,535.00	1.60	\$ 7,256.00				4,535.00	1.60	\$ 7,256.00
0086	Concrete Washout Area	EA	1.00	611.83	\$ 611.83				1.00	611.83	\$ 611.83
0087	Storm Water Management	LS	1.00	2,490.01	\$ 2,490.01				1.00	2,490.01	\$ 2,490.01
0088	Additional Asbestos Abatement	LS	1.00	26,997.30	\$ 26,997.30				1.00	26,997.30	\$ 26,997.30
0089	Plugged Sanitary Gravity Line	LS						\$ 2,068.82	1.00	2,068.82	\$ 2,068.82
0090	Tree Removal	LS						\$ 2,950.00	1.00	2,950.00	\$ 2,950.00
0091	Storm Manhole Repair	LS						\$ 18,025.25	1.00	18,025.25	\$ 18,025.25
0092	Standby Time Due to Lift Station/Forcemain Problem	LS						\$ 11,524.13	1	11,524.13	\$ 11,524.13
			CURRENT BUDGET		\$ 1,542,795.94	NET CHANGE		\$ 34,568.20	NEW BUDGET		\$ 1,577,364.14