

**SANITARY SEWERS REMEDIAL MEASURES PLAN CONTRACT CHANGE ORDER FORM**

Project Name: Town Branch Wet Weather Storage Facility  
Contractor: Judy Construction Company  
Contract Number: 324-2014  
RMP Project ID: TB-1  
Change Order ID Number: 5 (Final)  
Applicable Tier: 1

**CHANGE ORDER DETAILS**

Contract Amount	<u>\$19,605,681.33</u>	Contract Time	<u>814</u>
Original Contract Amount:	<u>\$19,108,000.00</u>	Original Contract Time	<u>624</u>
Change in Contract Amount	<u>(\$587,863.87)</u>	Change in Contract Time	<u>0</u>
New Contract Amount:	<u>\$19,017,817.46</u>	New Contract Time	<u>904</u>

**JUSTIFICATION FOR CHANGE ORDER**

Final adjustment of bid quantities. See Attached Forms.

**REQUIRED SIGNATURES**

Tier 1  
Vivian Aguado 5-17-17  
Remedial Measures Plan or Construction Manager Date

Tier 2  
\_\_\_\_\_  
Remedial Measures Plan or Construction Manager Date

\_\_\_\_\_  
Director of the Division of Water Quality Date

\_\_\_\_\_  
Director of the Division of Purchasing Date

**URBAN COUNTY COUNCIL NOTIFICATION**

Diana Williams 5/18/17  
Employee Submitting Notification Date

# Change Order No. 5

Remedial Measures Plan (RMP)

Division of Water Quality

Lexington-Fayette Urban County Government (LFUCG)

Date of Issuance <u>2/10/2017</u>	Effective Date:
Owner <u>Lexington-Fayette Urban County Government (LFUCG)</u>	Owner's Bid No. <u>137-2014</u>
Contractor <u>Judy Construction, Company</u>	Contractor's Project No
Engineer <u>GRW Engineers, Inc.</u>	Engineer's Project No <u>4175</u>
Project <u>Town Branch Wet Weather Storage Facility</u>	Contract Name:

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

1 Final adjustment of bid quantities ..... (\$587,863.87)

Attachments Supporting documents attached

CHANGE IN CONTRACT PRICE	CHANGE IN CONTRACT TIMES <i>[note changes in Milestones if applicable]</i>
Original Contract Price: <u>\$ 19,108,000.00</u>	Original Contract Times: Substantial Completion: <u>6/25/2016</u> Ready for Final Payment: <u>7/25/2016</u> dates
<del>[(Increase)]</del> <del>[(Decrease)]</del> from previously approved Change Orders No. <u>1</u> to No. <u>4</u> : <u>\$ 497,681.33</u>	<del>[(Increase)]</del> <del>[(Decrease)]</del> from previously approved Change Orders No. <u>1</u> to No. <u>4</u> : Substantial Completion: <u>138</u> Ready for Final Payment: <u>290</u> days
Contract Price prior to this Change Order: <u>\$ 19,605,681.33</u>	Contract Times prior to this Change Order Substantial Completion: <u>10/31/2016</u> Ready for Final Payment: <u>5/1/2017</u> dates
<del>[(Increase)]</del> <del>[(Decrease)]</del> of this Change Order: <u>\$ 587,863.87</u>	<del>[(Increase)]</del> <del>[(Decrease)]</del> of this Change Order Substantial Completion: <u>0 days</u> Ready for Final Payment: <u>0 days</u> days
Contract Price incorporating this Change Order: <u>\$ 19,017,817.46</u>	Contract Times with all approved Change Orders Substantial Completion: <u>10/31/2016</u> Ready for Final Payment: <u>5/1/2017</u> dates

RECOMMENDED (Engineer):  
By: [Signature]  
Title: Project Engineer  
Date: 2017-02-17

ACCEPTED (Contractor):  
By: [Signature]  
Title: Project Manager  
Date: 2/20/17

ACCEPTED (Owner, LFUCG)  
By: [Signature]  
Title: RMP Program Manager  
Date: 4-11-17

Approved by Funding Agency  
(If applicable)  
By: \_\_\_\_\_  
Title: \_\_\_\_\_  
Date: \_\_\_\_\_

**Final Adjustment of Bid Quantities  
Judy Construction Company**

Project: Town Branch Wet Weather Storage Facility  
Lexington-Fayette Urban County Gov't.

Project No.: 4175

Item	Description	Bid Quantity	Unit	Final Quantity	Quantity Adjustment Add/Deduct	Unit Price	Cost Adjustments
<b>BASE BID</b>							
1	MOBILIZATION	1	L.S.	1.00	0	\$486,000.00	\$0.00
2	GENERAL CONDITIONS	1	L.S.	1.00	0	\$628,000.00	\$0.00
<b>SITE WORK</b>							
3	TEMPORARY EXIT ROAD	1	L.S.	1.00	0	\$6,500.00	\$0.00
4	CLEARING	1	L.S.	1.00	0	\$32,000.00	\$0.00
5	EROSION CONTROL	1	L.S.	1.00	0	\$28,000.00	\$0.00
6	SEEDING	1	L.S.	1.00	0	\$14,000.00	\$0.00
7	ASPHALT PAVING	1	L.S.	1.00	0	\$11,000.00	\$0.00
8	SITE WORK	1	L.S.	1.00	0	\$81,000.00	\$0.00
9	TOPSOIL & FINISH DRESS	1	L.S.	1.00	0	\$28,000.00	\$0.00
10	EXISTING 36" FORCEMAIN PROTECTION	1	L.S.	1.00	0	\$133,000.00	\$0.00
11	MECHANICAL JOINT DUCTILE IRON PIPE	1	L.S.	1.00	0	\$994,000.00	\$0.00
12	FLANGE JOINT DUCTILE IRON PIPE	1	L.S.	1.00	0	\$192,000.00	\$0.00
13	HOBAS PIPE	1	L.S.	1.00	0	\$115,000.00	\$0.00
14	PVC & HDPE PIPE	1	L.S.	1.00	0	\$35,000.00	\$0.00
15	MANHOLES	1	L.S.	1.00	0	\$17,000.00	\$0.00
16	VALVES	1	L.S.	1.00	0	\$710,000.00	\$0.00
17	GATES	1	L.S.	1.00	0	\$70,000.00	\$0.00
18	DEMOLITION	1	L.S.	1.00	0	\$120,000.00	\$0.00
19	BYPASS PUMPING	1	L.S.	1.00	0	\$377,000.00	\$0.00
20	PRECAST MODULAR BLOCK RETAINING WALL	1	L.S.	1.00	0	\$124,000.00	\$0.00
<b>54" DIVERSION STRUCTURE</b>							
21	STRUCTURE EXCAVATION - 54" DIVERSION STR	1	L.S.	1.00	0	\$40,000.00	\$0.00
22	CONCRETE FOOTING	1	L.S.	1.00	0	\$67,000.00	\$0.00
23	CONCRETE WALLS	1	L.S.	1.00	0	\$120,000.00	\$0.00
24	CONCRETE SHORED SLAB	1	L.S.	1.00	0	\$10,000.00	\$0.00
25	PRECAST PRESTRESSED CONCRETE	1	L.S.	1.00	0	\$22,000.00	\$0.00
26	MECHANICAL SCREEN INSTALLATION	1	L.S.	1.00	0	\$6,000.00	\$0.00
<b>PUMP STATION</b>							
27	STRUCTURE EXCAVATION - PUMP	1	L.S.	1.00	0	\$171,000.00	\$0.00
28	CONCRETE FOOTING	1	L.S.	1.00	0	\$106,000.00	\$0.00
29	CONCRETE WALLS	1	L.S.	1.00	0	\$321,000.00	\$0.00
30	CONCRETE SHORED SLAB	1	L.S.	1.00	0	\$110,000.00	\$0.00
31	NON-CLOG SUBMERSIBLE SEWAGE PUMPS [ 335 HP ]	1	L.S.	1.00	0	\$301,000.00	\$0.00
32	NON-CLOG SUBMERSIBLE SEWAGE PUMPS [ 5 HP ]	1	L.S.	1.00	0	\$10,000.00	\$0.00
<b>MISCELLANEOUS</b>							
33	STRUCTURE EXC. - 36" DIVERSION STR	1	L.S.	1.00	0	\$6,000.00	\$0.00
34	STRUCTURE EXC. - 36" RECEIVING	1	L.S.	1.00	0	\$7,000.00	\$0.00
35	STRUCTURE EXC. - TANK DRAIN FLOW CONTROL VAULT	1	L.S.	1.00	0	\$7,000.00	\$0.00
36	STRUCTURE EXC. - 54" GRAVITY RETURN FLOW	1	L.S.	1.00	0	\$4,000.00	\$0.00
37	STRUCTURE EXC. - 36" FORCEMAIN FLOW CONTROL VAULT	1	L.S.	1.00	0	\$15,000.00	\$0.00
38	SITE & MISCELLANEOUS CONCRETE	1	L.S.	1.00	0	\$190,000.00	\$0.00
39	MISCELLANEOUS METALS	1	L.S.	1.00	0	\$113,000.00	\$0.00
40	PAINTING	1	L.S.	1.00	0	\$31,000.00	\$0.00
41	INSTRUMENTATION	1	L.S.	1.00	0	\$250,000.00	\$0.00
42	PLUMBING / SMALL PIPING	1	L.S.	1.00	0	\$5,000.00	\$0.00
43	HVAC	1	L.S.	1.00	0	\$10,200.00	\$0.00

**Final Adjustment of Bid Quantities  
Judy Construction Company**

Project: Town Branch Wet Weather Storage Facility  
Lexington-Fayette Urban County Gov't.

Project No.: 4175

Item	Description	Bid Quantity	Unit	Final Quantity	Quantity Adjustment Add/Deduct	Unit Price	Cost Adjustments
44	ELECTRICAL - MOBILIZATION	1	L.S.	1.00	0	\$5,200.00	\$0.00
45	ELECTRICAL - TEMPORARIES	1	L.S.	1.00	0	\$3,000.00	\$0.00
46	ELECTRICAL - DEMOLITION	1	L.S.	1.00	0	\$3,300.00	\$0.00
47	ELECTRICAL - CROM TEMPORARY	1	L.S.	1.00	0	\$16,000.00	\$0.00
48	ELECTRICAL - MEDIUM VOLTAGE LINE WORK	1	L.S.	1.00	0	\$39,000.00	\$0.00
49	ELECTRICAL - EXTERIOR WORK	1	L.S.	1.00	0	\$319,500.00	\$0.00
50	ELECTRICAL - LIGHTING	1	L.S.	1.00	0	\$94,600.00	\$0.00
51	ELECTRICAL - SWITCHGEAR	1	L.S.	1.00	0	\$583,100.00	\$0.00
52	ELECTRICAL - LIGHTNING PROTECTION	1	L.S.	1.00	0	\$19,500.00	\$0.00
53	ELECTRICAL - COMMUNICATIONS	1	L.S.	1.00	0	\$10,500.00	\$0.00
54	ELECTRICAL - PUMPSTATION	1	L.S.	1.00	0	\$111,000.00	\$0.00
55	ELECTRICAL - HI-POT TESTING	1	L.S.	1.00	0	\$2,750.00	\$0.00
56	ELECTRICAL SITE	1	L.S.	1.00	0	\$36,000.00	\$0.00
57	ELECTRICAL GENERATOR	1	L.S.	1.00	0	\$20,756.00	\$0.00
<b>CROM TANK</b>							
58	CROM TANK - DESIGN & SHOP	1	L.S.	1.00	0	\$355,000.00	\$0.00
59	CROM TANK - MOBILIZATION & FLOOR	1	L.S.	1.00	0	\$2,379,000.00	\$0.00
60	CROM TANK - SHORING	1	L.S.	1.00	0	\$220,000.00	\$0.00
61	CROM TANK - WALL FORM / DIAPHRAGM	1	L.S.	1.00	0	\$254,000.00	\$0.00
62	CROM TANK - OUTSIDE COREWALL	1	L.S.	1.00	0	\$1,408,000.00	\$0.00
63	CROM TANK - INSIDE COREWALL	1	L.S.	1.00	0	\$201,000.00	\$0.00
64	CROM TANK - DOME FORMING / CASTING	1	L.S.	1.00	0	\$1,185,000.00	\$0.00
65	CROM TANK - PRESTRESSING / COVERCOAT	1	L.S.	1.00	0	\$1,672,000.00	\$0.00
66	CROM TANK - ACCESSORIES & DEMOBILIZATION	1	L.S.	1.00	0	\$271,000.00	\$0.00
67	CROM TANK - EXCAVATION	1	L.S.	1.00	0	\$46,000.00	\$0.00
68	CROM TANK - STONE	1	L.S.	1.00	0	\$91,000.00	\$0.00
69	CROM TANK - STONE SPLASH BLOCK	1	L.S.	1.00	0	\$13,000.00	\$0.00
<b>DRILLED SHAFTS</b>							
70	DRILLED SHAFTS - MOBILIZATION	1	L.S.	1.00	0	\$225,000.00	\$0.00
71	DRILLED SHAFTS - MISCELLANEOUS	1	L.S.	1.00	0	\$98,000.00	\$0.00
<b>BID ITEMS AND ALLOWANCES</b>							
72	SYSTEM PROGRAMMING SERVICE ALLOWANCE	1	L.S.	67%	(0)	\$120,000.00	(\$39,231.00)
73	MECHANICAL SCREEN WESTECH ROMAG (\$307,400)	1	L.S.	1.00	0	\$307,400.00	\$0.00
74	RAILROAD REPAIR	1	L.S.	0.00	(1)	\$25,000.00	(\$25,000.00)
75	PROJECT DOCUMENTATION PHOTOGRAPHY	1	L.S.	73%	(0)	\$30,000.00	(\$8,205.03)
76	PAVEMENT CONSTRUCTION BITUMINOUS ASPHALT SURFACE	1,205	TON	1,632.99	428	\$88.00	\$37,663.12
77	PAVEMENT CONSTRUCTION BITUMINOUS ASPHALT BASE	512	TON	525.89	14	\$78.00	\$1,083.42
78	PAVEMENT CONSTR. DENSE GRADED AGGREGATE (DGA)	966	TON	357.88	(608)	\$28.50	(\$17,331.42)
79	PAVEMENT RESTORATION PAVEMENT MILLING AND TEXTURING	303	TON	328.57	26	\$19.00	\$485.83
80	PAVEMENT RESTORATION SUBGRADE UNDERCUTTING	120	CY	102.00	(18)	\$31.50	(\$567.00)
81	SELECT STRUCTURAL FILL REPLACEMENT @ DRILLED SHAFTS	3,000	CY	0.00	(3,000)	\$37.00	(\$111,000.00)
82	CONSTRUCT DRILLED SHAFT THROUGH OVERBURDEN	5,000	VLF	4,198.36	(802)	\$250.00	(\$200,410.00)

**Final Adjustment of Bid Quantities  
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Project No.: 4175

Item	Description	Bid Quantity	Unit	Final Quantity	Quantity Adjustment Add/Deduct	Unit Price	Cost Adjustments
83	CONSTRUCT DRILLED SHAFT THROUGH ROCK SOCKET REMOVAL	1,850	VLF	1,601.00	(249)	\$518.00	(\$128,982.00)
84	DELAY TIME-DRILLED SHAFT EQUIPMENT & CREW	50	HRS	0.83	(49)	\$787.00	(\$38,696.79)
85	LOWER CANE RUN FORCE MAIN TIE-IN	1	L.S.	1.00	0	\$258,000.00	\$0.00
86	TEMPORARY POWER RELOCATION ALLOWANCE	1	L.S.	0.00	(1)	\$20,000.00	(\$20,000.00)
	<b>SUBTOTAL - BASE BID</b>				0		\$0.00
<b>CHANGE ORDERS</b>							
1.2	Pipe & fittings at Thompson Road	1	L.S.	1.00	0	\$28,889.00	\$0.00
1.3	30" MJ Plug Valve at Thompson Rd.	1	L.S.	1.00	0	\$32,213.00	\$0.00
1.6	Angle Braces at Pump Station Valve Vault Platform	1	L.S.	1.00	0	\$4,838.00	\$0.00
1.7.1	Trucking	1,700	Loads	1,317.00	(383)	\$30.00	(\$11,490.00)
1.7.2	Erosion Control	35	HRS	13.00	(22)	\$151.20	(\$3,326.40)
1.7.3	Spread/Strip Topsoil	100	HRS	57.75	(42)	\$345.60	(\$14,601.60)
1.7.4	Cclean Haul Road	30	HRS	25.00	(5)	\$151.00	(\$755.00)
1.7.5	Seed Waste Site	7,500	S.Y.	0.00	(7,500)	\$1.00	(\$7,500.00)
1.8	Lorrlard Air Release Vault	1	L.S.	1.00	0	\$120,487.00	\$0.00
2.1	Additional Hatches at Pump Station	1	L.S.	1.00	0	\$20,872.00	\$0.00
2.2	Hydro-excavation in and around Structure 8	1	L.S.	1.00	0	\$3,939.00	\$0.00
2.3	Baffle Wall Supports	1	L.S.	1.00	0	\$12,793.55	\$0.00
2.4	Additional Wet Well	1	L.S.	1.00	0	\$1,968.10	\$0.00
2.6	Site Lighting Revision	1	L.S.	1.00	0	(\$26,300.00)	\$0.00
3.0	Time Extension	1	L.S.	1.00	0	\$1,387.00	\$0.00
4.1	Provide and deliver to the Owner, 12 spare gaskets for the manways on the storage tank	1	L.S.	1.00	0	\$1,387.00	\$0.00
4.2	Provide additional 22' of stone around the storage tank	1	L.S.	1.00	0	\$52,375.00	\$0.00
4.3	T&M work to complete revised non-potable water main route around the back of the tanks	1	L.S.	1.00	0	\$141,337.68	\$0.00
<b>TOTAL</b>							<b>(\$587,863.87)</b>

MAYOR JIM GRAY



**LEXINGTON**

CHARLES MARTIN  
DIRECTOR  
WATER QUALITY

To: Urban County Council  
Martha Allen, Council Clerk

From: Diann Williams  
Administrative Specialist Principal for Remedial Measures Program

Date: May 18, 2017

Re: Final Change Order No. 5 for Town Branch Wet Weather Storage Facility RMP Project

This memorandum is to notify the Urban County Council of Final Adjusting Final Change Order No. 5 for the Town Branch Wet Weather Storage Facility Remedial Measures Project. Per CAO policy 15R the Remedial Measures Program Manager is allowed to approve change orders of less than 5% of the cumulative contract award. The result of the attached change order is a decrease to the contract amount by \$587,863.87, bringing the cumulative change of all Change Orders to (-\$90,182.54) or -1.03%. Change order No. 5 does not increase the contract time.

Should you have any questions, please contact me at 425-2439.

pc: Vernon Azevedo, P.E., Remedial Measures Program Manager  
Charles Martin, P.E., Director of Water Quality  
Dowell Hoskins-Squier, P.E., Commissioner of Environmental Quality  
Mark Fischer, P.E., Project Manager  
Todd Slatin, Director of Purchasing  
Stacey Maynard, Council Administrator  
File

