



Lexington-Fayette Urban County Government
DEPARTMENT OF PUBLIC WORKS AND ENVIRONMENTAL QUALITY

Jim Gray
Mayor

David L. Holmes
Commissioner

Memorandum

To: Urban County Council
Meredith Nelson, Council Clerk

From: Courtney Thacher ^{CT}
Administrative Specialist Principle for Remedial Measures Program

Date: June 2, 2015

Re: Change Order No. 1 for Town Branch Wet Weather Storage Facility RMP Project

This memorandum is to notify the Urban County Council of Change Order No. 1 for the Town Branch Wet Weather Storage Facility Remedial Measure Project. Per CAO Policy No. 15R the Remedial Measures Program Manger is allowed to approve change orders of less than 5% of the cumulative contract award. The result of the attached Change Order No. 1 is to increase the original contract amount by \$289,309 or 1.5%, and an increase of contract time by 76 days.

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

pc: Vernon Azevedo, P.E., Remedial Measures Program Manager
David Holmes, Commissioner
Charles Martin, P.E., Director of Water Quality
Mark Fischer, P.E., Project Manager
File

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: 1
Applicable Tier: 1

CHANGE ORDER DETAILS

Contract Amount	<u>\$19,108,000.00</u>	Contract Time	<u>624</u>
Original Contract Amount:	<u>\$19,108,000.00</u>	Original Contract Time	<u>624</u>
Change in Contract Amount	<u>\$289,309.00</u>	Change in Contract Time	<u>76</u>
New Contract Amount:	<u>\$19,397,309.00</u>	New Contract Time	<u>700</u>

JUSTIFICATION FOR CHANGE ORDER

See Attached Forms.

REQUIRED SIGNATURES

Tier 1 Vincent Azuero 6-2-15
Remedial Measures Plan or Construction Manager Date

Tier 2 _____ Date
Remedial Measures Plan or Construction Manager

Director of the Division of Water Quality Date

Director of the Division of Purchasing Date

URBAN COUNTY COUNCIL NOTIFICATION

_____ 6/2/15
Employee Submitting Notification Date

Change Order No. 1

Remedial Measures Plan (RMP)

Division of Water Quality

Lexington-Fayette Urban County Government (LFUCG)

Date of Issuance: 5/13/2015	Effective Date:
Owner: Lexington-Fayette Urban County Government (LFUCG)	Owner's Bid No.: 137-2014
Contractor: Judy Construction, Company	Contractor's Project No.:
Engineer: GRW Engineers, Inc.	Engineer's Project No.: 4175
Project: Town Branch Wet Weather Storage Facility	Contract Name:

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

Description:

- 1.1 Existing power lines relocated along Jimmy Campbell Drive \$0.00
- 1.2 Pipe and fitting to re-route 30" line to avoid power pole \$28,889.00
- 1.3 Provide a 30" MJ plug valve at the Lower Cane Run to allow switch over to a gravity flow..... \$32,213.00
- 1.4 Removed from Project by LFUCG -----
- 1.5 Removed from Project by LFUCG -----
- 1.6 Furnish and install angle braces and relocate drain piping per Field Order No. 2 \$4,838.00
- 1.7 Hauling additional spoil from the Town Branch tank site \$102,882.00
- 1.8 Furnish and install new 30" piping, air release valve and vault near the Lorrillard Apartments \$120,487.00

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
[Increase] [Decrease] from previously approved Change Orders No. <u>-</u> to No. <u>-</u> : \$ <u>0.00</u>	[Increase] [Decrease] from previously approved Change Orders No. <u> </u> to No. <u> </u> : Substantial Completion: _____ Ready for Final Payment: _____ days
Contract Price prior to this Change Order: \$ <u>19,108,000.00</u>	Contract Times prior to this Change Order: Substantial Completion: <u>6/25/2016</u> Ready for Final Payment: <u>7/25/2016</u> dates
[Increase] [Decrease] of this Change Order: \$ <u>289,309.00</u>	[Increase] [Decrease] of this Change Order: Substantial Completion: <u>76 days</u> Ready for Final Payment: <u>76 days</u> days
Contract Price incorporating this Change Order: \$ <u>19,397,309.00</u>	Contract Times with all approved Change Orders: Substantial Completion: <u>9/9/2016</u> Ready for Final Payment: <u>10/9/2016</u> dates

RECOMMENDED (Engineer):

By: *Kate A. Sh*
 Title: *Project Manager*
 Date: *JUNE 2, 2015*

ACCEPTED (Contractor):

By: *[Signature]*
 Title: *President*
 Date: *JUNE 2, 2015*

ACCEPTED (Owner: LFUCG)

By: *Vivian Arundo*
 Title: *RMP Manager*
 Date: *6-2-15*

**Approved by Funding Agency
(If applicable):**

By: _____
 Title: _____
 Date: _____

Town Branch Change Order No. 1 Cost Breakdown

1.1 Existing power lines relocated along Jimmy Campbell Drive					\$0.00
1.2 Pipe and fitting to re-route 30" line to avoid power pole					
Labor Including Payroll Burdens					\$4,280.00
Material					\$19,101.00
Equipment, Fuel, Maintenance, Etc.					\$1,740.00
Overhead & Profit					\$3,768.00
Total					<u>\$28,889.00</u>
1.3 Provide a 30" MJ plug valve at the Lower Cane Run to allow switch over to a gravity flow					
Labor Including Payroll Burdens					\$1,500.00
Material					\$25,911.00
Equipment, Fuel, Maintenance, Etc.					\$600.00
Overhead & Profit					\$4,202.00
Total					<u>\$32,213.00</u>
1.4 Removed from Project by LFUCG					----
1.5 Removed from Project by LFUCG					----
1.6 Furnish and install angle braces and relocate drain piping per Field Order No. 2					
Material for walkway supports					\$3,485.00
Labor to Install					\$722.00
Overhead & Profit					\$631.00
Total					<u>\$4,838.00</u>
1.7 Hauling additional spoil from the Town Branch tank site					
		Total # of			
	Description	Units	Unit	Cost	
1.7.1	Trucking	1700	Load	\$ 30.00	\$51,000.00
1.7.2	Erosion Control	35	Hour	\$ 151.20	\$5,292.00
1.7.3	Spread/Strip Topsoil	100	Hour	\$ 345.60	\$34,560.00
1.7.4	Clean Haul Road	30	Hour	\$ 151.00	\$4,530.00
1.7.5	See Waste Site	7500	SY	\$ 1.00	\$7,500.00
	Total				<u>\$102,882.00</u>
1.8 Furnish and install new 30" piping, air release valve and vault near the Lorrillard Apartments					
Furnish and install new 30" piping, air release valve and vault					\$70,907.00
Temporary retaining wall near the diversion structure					\$33,684.00
Air release valves for New Circle Road vaults					\$13,616.00
Cost for exploratory work at Lorrillard and New Circle					\$2,280.00
					<u>\$120,487.00</u>

Change Order No. 2 Total Cost: \$289,309.00

Project: Town Branch Wet Weather Storage Tank Project
GRW Project Number: 4175

Change Order #1

Change Order Item	Description	Justification	Date Submitted	Engineer's Recommendation	LFUGG Approval	Contractor's Acceptance	Change in Time (Calendar Days)	Change in Price	Removed from Project by LFUGG
1	Existing power lines relocated along Jimmy Campbell Drive.	The work by KU to relocate the existing power lines along Jimmy Campbell Drive has been completed as of December 8th. As discussed in the preconstruction meeting, please add 18 calendar days to the contract time. This will cover the elapsed time between the November 20th Notice to Proceed and the completion of KU's work.	12/8/2014	12/8/2014	3/11/2015	12/8/2014	18	\$0.00	
2	Pipe and fitting to re-route 30" line to avoid power pole	Labor and equipment to re-route the 30" ductile iron pipe at the Lower Cane Run tie-in to avoid an existing electric pole. Includes 2 ea. 30" 22-1/2" bends and 20 additional feet of TRFlex pipe.	12/15/2014		3/11/2015	12/15/2014	2	\$28,889.00	
3	Provide a 30" MJ plug valve at the Lower Cane Run to allow switch over to a gravity flow	Provide a 30" MJ plug valve at the Lower Cane Run tie-in, including replacing the MJ 90° that is shown with a 30" MJ Tee. This valve will allow the line to be returned to a gravity flow condition after the tie-in is made.	2/12/2015		3/11/2015	2/12/2015	56	\$32,213.00	
4	Furnish and install new 30" piping, air release valve and vault near the Lorillard apartments.	Includes excavating and removing the existing manhole and section of pipe and installing a new 30" ductile iron pipe with a tapping saddle, air release valve and valve vault. Does not include railroad protective liability insurance which will be an additional cost.	2/25/2015		3/4/2015		TBD	\$70,907.00	4/7/2015
5	Seal existing manhole and furnish and install new air release valves and vaults at the New Circle Road location	Includes sealing the existing manhole and installing two new air release valves and vaults on the existing piping in accordance with Field Order No. 3. Does not include railroad protective liability insurance which will be an additional cost.	3/4/2015		3/4/2015		TBD	\$124,723.00	3/13/2015
6	Furnish and install angle braces and relocate drain piping per Field Order No. 2	Provide angled supports for the walkway in the pump station valve vault instead of the column that is shown in the Contract Drawings per Field Order No. 2. This includes relocating the 4" pipe drain line as shown in Field Order No. 2.	3/11/2015	3/12/2015		3/11/2015	0	\$4,838.00	
7	Hauling additional spoil from the Town Branch tank site.	Additional works associated with hauling additional spoil from the Town Branch tank site to a spoil site on the same property behind the WWTP.	4/6/2015	4/6/2015		4/6/2015	0	\$102,862.00	
8	Furnish and install new 30" piping, air release valve and vault near the Lorillard apartments.	Includes excavating and removing the existing manhole and section of pipe and installing a new 30" ductile iron pipe with a tapping saddle, air release valve and valve vault. Does not include railroad protective liability insurance which will be an additional cost. Includes exploratory costs associated with and materials ordered on the New Circle Rd. ARV which was later removed from the scope. Includes schedule revisions necessary to continue construction on the diversion structure after modifications and additions to the LCR tie in connection.	4/29/2015		5/4/2015	4/29/2015	0	\$120,487.00	
Total							76	\$289,309.00	

JUDY

Construction Co.
GENERAL CONTRACTORS

P.O. BOX 457 CYNTHIANA, KENTUCKY 41031
Telephone (859) 234-6900 Fax (859) 234-3480
www.judyconstructionco.com

December 8, 2014

GRW Engineers
801 Corporate Drive
Lexington, KY 40503
Attn: Kurt Zehnder, P.E.

Ref: Town Branch Wet Weather Storage Facility
Relocate Power Lines
Change Order Proposal # 1

Dear Mr. Zehnder,

The work by KU to relocate the existing power lines along Jimmy Campbell Drive has been completed as of December 8th. As discussed in the preconstruction meeting, please add 18 calendar days to the contract time. This will cover the elapsed time between the November 20th Notice to Proceed and the completion of KU's work.

Please feel free to contact me with any questions you may have considering this request

Sincerely,



Paul Lawrence
Project Manager

cc: Ben Williams
Darryl Wells

PL/lj



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December 15, 2014

CRW Engineers
801 Corporate Drive
Lexington, KY 40503
Attn: Kurt Zehnder, P.E.

Ref: Town Branch Wet Weather Storage Facility
LCR Line Re-route
Change Order Proposal # 2

Dear Mr. Zehnder,

We have prepared the following proposal to re-route the 30" ductile iron pipe at the Lower Cane Run tie-in to avoid an existing electric pole. This proposal includes 2 each 30" 22 1/2° bends and 20 additional feet of 30" TRFlex pipe, as well as labor & equipment to install.

Pipe and fitting to re-route 30" line to avoid power pole \$28,889.00

Please add 2 days to the contract time for this work.

If this proposal is acceptable, please add it to our next change order. Call me with any questions you may have considering this request.

Sincerely,

Paul Lawrence
Project Manager

cc: Ben Williams
Darryl Wells
Change Order Pending

PL lj



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February 12, 2015

GRW Engineers
801 Corporate Drive
Lexington, KY 40503
Attn: Kurt Zehnder, P.E.

Ref: Town Branch Wet Weather Storage Facility
Valve @ LCR Tie-In
Change Order Proposal # 3

Dear Mr. Zehnder,

We have prepared the following proposal to provide a 30" MJ plug valve at the Lower Cane Run tie-in. This valve will allow the line to be returned to a gravity flow condition after tie-in is made. This proposal includes replacing the MJ 90° that is shown with a 30" MJ Tee. We have also included credits for the 30" MJ 90° and the 30" cap that were shown on the contract drawings.

Provide piping and 30" plug valve at LCR to allow switch over to a gravity flow	\$32,213
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Please note that the 30" plug valve has an 8 week delivery time. In light of this we would like to request a quick response to this letter.

If this proposal is acceptable, please notify us and add it to our next change order. Feel free to contact me with any questions.

Sincerely,



Paul Lawrence
Project Manager

cc: Ben Williams
Darryl Wells
Change Order Pending



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March 11, 2015

GRW Engineers
801 Corporate Drive
Lexington, KY 40503
Attn: Kurt Zehnder, P.E.

Ref: Town Branch Wet Weather Storage Facility
Field Order No. 2 – Walkway Supports
Change Order Proposal # 6

Dear Mr. Zehnder,

We have prepared the following proposal to provide angled supports for the walkway in the pump station valve vault instead of the column that is shown in the contract drawings. This pricing is per the details given in Field Order No. 2. This pricing also includes relocating the 4" pipe drain line as shown in Field Order No. 2.

Furnish & install angle braces and relocate
drain piping per Field Order No. 2: \$4,838.00

If this proposal is acceptable, please notify us and add it to our next change order. Feel free to contact me with any questions.

Sincerely,



Paul Lawrence,
Project Manager

cc: Ben Williams
Darryl Wells
C.O. Pending



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Baker, Rhonda

From: Paul Lawrence <plawrence@judyconstructionco.com>
Sent: Monday, May 04, 2015 9:01 AM
To: Zehnder, Kurt
Subject: FW: Trucking

Here are the unit prices we came up with.

From: Paul Lawrence
Sent: Friday, May 01, 2015 11:44 AM
To: Ben Williams
Subject: Trucking

	Total HRS	Cost Per HR	Cost Per Load	QTY	Unit	UNIT COST
Trucking	85.16		\$29.54	1700	Loads	30.00
Erosion Control	13	\$151.16		35	Hours	151.20
Spread/Strip Topsoil	47	\$345.55		100	Hours	345.60
Clean Haul RD	6.5	\$150.80		30	Hours	151.00
Seed Waste Site				7500	SY	1.00
						TOTAL

I talked to Kurt this morning about the trucking unit costs. This is what I had in my file, and I think the way we wanted to set it up.

Paul Lawrence
Project Manager



PO Box 457
Cynthiana, KY 41031
Phone 859-234-6900
Fax 859-234-3480
www.judyconstructionco.com

GRW
CD Permit

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www.judyconstructionco.com

May 4th, 2015

GRW Engineers
801 Corporate Drive
Lexington, KY 40503
Attn: Kurt Zehnder, P.E.

Ref: Town Branch Wet Weather Storage Facility
Lorrillard Air Release Valve
Change Order Proposal # 8

Dear Mr. Zehnder,

We have prepared the following proposal to install a new air release valve and vault near the Lorrillard apartments. This proposal includes excavating and removing the existing manhole and section of pipe and installing new 30" ductile iron pipe with a tapping saddle, air release valve and valve vault per the standard detail in the contract drawings. This proposal also includes installing a temporary retaining wall near the diversion structure that is necessary due to schedule changes related to this work.

Furnish and install new 30" piping, air release valve, & vault	\$70,907.00
Temporary retaining wall near the diversion structure	33,684.00
Air release valves for New Circle Road vaults	13,616.00
Cost for exploratory work at Lorrillard & New Circle	<u>2,280.00</u>
TOTAL	\$120,487.00

Note: This proposal does not include railroad protective liability insurance. The Owner will be responsible for coordination with the railroad.

We have revised this proposal to include the cost of the New Circle Road air release valves and the exploratory work for the Lorrillard & New Circle road flow rates after Change Order Proposal No. 5 for the work at New Circle Road was rejected.

At this time we are unable to determine the full impact this work will have on the construction schedule, we would like to reserve the right to add additional contract time at a later date.



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If this proposal is acceptable, please notify us and add it to our next change order. Feel free to contact me with any questions.

Sincerely,

A handwritten signature in black ink, appearing to read "Paul Lawrence", with a long horizontal flourish extending to the right.

Paul Lawrence
Project Manager

cc: Ben Williams
Darryl Wells
Change Order Pending