

**LEXINGTON-FAYETTE URBAN COUNTY
GOVERNMENT CONTRACT CHANGE ORDER**

Page 1 of 2

Date:	February 6, 2020
Project:	West Hickman WWTP Scum Removal Addition and ASH Tank No. 3 Cover
Location:	West Hickman WWTP
To (Contactor): Herrick Company, Inc. 2176 Waddy Road Lawrenceburg, KY 40342	Contract No. Res # 257-2018
	Original Contract Amt. \$1,389,000.00
	Cumulative Amount of Previous Change Orders \$44,202.00
	Percent Change - Previous Change Orders 3.18%
	Total Contract Amount Prior to this Change Order \$1,433,202.00
	Change Order No. 2

You are hereby requested to comply with the following changes from the contract plans and specification;

Current Change Order

Item No.	Description of changes-quantities, unit prices, change in completion date, etc.	Decrease in contract price	Increase in contract price
4	Add Seven Dry Upright Style Sprinkler Heads - Odor Control Building		\$ 1,899.60
5	Cut BPR Weirs		\$ 6,890.00
6	Gas and Water Line Relocation for Manhole		\$ 7,195.00
7	Backflow Preventer Vault per KAW Requirements		\$ 19,500.00
8	Delete Installation for Gates in	\$ 4,500.00	
9	Credit for SCADA Integration	\$ 15,000.00	
10	Credit for Soils Allowance	\$ 13,500.00	
11	Scum Line Tie-In for Clarifiers #1-#6		\$ 50,850.00
	Total decrease	\$33,000.00	
	Total increase		\$86,334.60
	Net Amount of this Change Order	\$53,334.60	
	New Contract Amount Including this Change Order	\$1,486,536.60	
	Percent Change - This Change Order		3.84%
	Percent Change - All Change Orders		7.02%

The time provided for the completion in the contract and all provisions of the contract will apply hereto.

Recommended by T. J. [Signature] (Proj. Engr.) Date 2/19/2020
 Accepted by Johnny S. Herrick (Contractor) Date 2-6-2020
 Approved by [Signature] (Director) Date 2/2/20
 Approved by T. J. [Signature] (Commissioner) Date 3/3/2020
 Approved by Rinda [Signature] (Mayor or CAO) Date 5/1/2020

JUSTIFICATION FOR CHANGEPROJECT: West Hickman WWTP Scum Removal Addition
and ASH Tank No. 3 Cover

CONTRACT NO. Res # 257-2018

CHANGE ORDER: 2

1. Necessity for change: 4-Attic space in odor control building required additional sprinkler heads that were not included in sprinkler contractor original bid. 5-Water level in BPR tanks was higher based on current operating levels, requiring weirs to be lowered. 6-Conflict with existing utilities. 7-KAW required a backflow preventer for fire protection water service. 8-Removing gate installation from contract to be installed as part of clarifier repair project. 9-Integration to be done in house after operation is consistent. 10-Total not needed. 11-Existing lines so deep; job to big for inhouse staff.
2. Is proposed change an alternate bid? ___ Yes X No
3. Will proposed change alter the physical size of the project? ___ Yes X No
If "Yes", explain.
4. Effect of this change on other prime contractors: N/A
5. Has consent of surety been obtained? ___ Yes X Not Necessary
6. Will this change affect expiration or extent of insurance coverage? ___ Yes X No
If "Yes", will the policies be extended? ___ Yes ___ No
7. Effect on operation and maintenance costs: N/A
8. Effect on contract completion date: Completion date extended to June 30, 2019 Due to delivery date of Geodesic Dome Cover and Actuators for Scum Skimmer Pipes.

*Rinda Gorton*_____
Mayor*5/1/2020*

Date

Summary Chart for Change Order #2								
Project:		West Hickman WWTP Scum Removal Addition and ASH Tank No. 3 Cover Lexington, Kentucky Contract # 22-2018			Key Ow = Owner Om = Omission A/E = Architect/Engineer C = Contractor			
PCO No.	Date	Brief Description	Price	Change Requested by				CO No.
				Ow	A/E	C	Om	
4	10/24/2018	Addition of 7 Dry Upright Sprinkler Heads Seven (7) dry upright style sprinkler heads added to protect the attic space in the Odor Control Building.	\$1,899.60	X	X		X	2
5	1/17/2019	Lowering of 16 wiers in BPR Tanks 1-7 After new scum pipes were installed the tank levels needed to be adjusted. See attached for additional information.	\$6,890.00	X	X			2
6	3/22/2019	Relocation of 2" water line and 2" gas line When digging for new manhole to be placed in the road for the scum decant well additional conflicting unilities were found. Relocation was necessary.	\$7,195.00	X	X			2
7	3/22/2019	Purchase and installation of backflow preventer. Purchase and installation of backflow preventer per KAWC requirements for a tap necessary for the new fire suppression service needed for the new sprinklers.	\$19,500.00	X	X			2
8	9/25/2019	Credit for Labor: Distribution gates installed in different project. The timing for installation of the distribution box gates worked better with a different project when a shutdown of the plant was possible.	-\$4,500.00	X				2
9	9/25/2019	Credit for SCADA Integration: Working with plant superintendent on necessity New scum pipes operation procedures need to be established. We will have a better idea about how they should operate once we have worked with them for a while. Integration into SCADA can be accomplished at a later date.	-\$15,000.00	X				2
10	9/25/2019	Credit for Soils Allowance not used. \$4,500:00 was used for the placement of the Scum Decant Box. No more was needed.	-\$13,500.00	X				2
11	10/16/2019	Scum Line Tie-In for Clarifiers #1 - #6 Plant Staff researched installation to be done in-house. The lines ended up being deeper than anticipated. Contractor was asked to do the Tie-Ins to complete the connections needed to pump scum from the final clarifier scum pits.	\$50,850.00	X				2
			Page TOTAL	\$53,334.60				

PLC # 4

Herrick Company, Inc.

1385 Tracy Road
Lawrenceburg, KY 40342

Phone: 502-839-3484
Fax: 502-839-0939

October 24, 2018

Mr. Mike Davis, PE
Strand Associates, Inc.
1525 Bull Lea Road, Suite 100
Lexington, KY 40511

RE: West Hickman WWTP Scum Removal

Mr. Davis,

Per your request Herrick Company, Inc. offers the following for your consideration. Add seven (7) dry upright style sprinkler heads to protect the attic space in the Odor Control Building.

Subcontractor	\$ 1,439.60
Bonds	\$ 175.00
O&P	\$ 285.00
TOTAL	\$ 1,899.60

Let me know if you have any questions or need additional information.

Sincerely,

Ryan P. Gabbard

PCO# 5

HCI

Herrick Company, Inc.

2176 Waddy Rd, HWY 395
Lawrenceburg, KY 40342

Phone: 502-839-3484
Fax: 502-839-0939
E-Mail: hci@dcrr.net

January 17, 2019

Mike Davis, P.E.
Strand Associates, Inc.
1525 Bull Lea Road, Suite 100
Lexington, KY 40511

RE: West Hickman WWTP Scum, Cost Proposal #1

Mr. Davis;

Per your request Herrick Company, Inc. offers the following for your consideration. Lower 16 weirs in BPR tanks 1 thru 7.

Option #1: Lower weirs per cost proposal #1.	Labor	\$7,300.00
	Equipment	\$ 700.00
	Material	\$2,400.00
	Bonds	\$ 150.00
	O&P	\$1,850.00
	Total	\$12,400.00



Option #2: Leave weirs bolted in current position, cut the FRP weirs down to new elevation, coat all raw FRP cuts with resin.

Labor	\$4,400.00
Equipment	\$ 700.00
Material	\$ 650.00
Bonds	\$ 100.00
O&P	\$1,040.00
Total	\$6,890.00

Plant staff completed this task

Add \$2,310.00 to either option #1 or #2 for removing remaining flap gates above the weirs. For option #1 we assume the FRP weirs were not caulked and will remove without damaging FRP, if they were caulked they will be stuck to concrete and removal will damage FRP and add labor. Extra labor, replacing or repairing FRP is not included. For option #1 and #2 we assume the concrete opening is low enough for new weir elevation.

Let me know if you have any questions or need additional information.

Sincerely,

H. Douglas Herrick

Herrick Company, Inc.

2176 Waddy Road
Lawrenceburg, KY 40342

Phone: 502-839-3484
Fax: 502-839-0939

PCO# 6

March 22, 2019

Mr. Mike Davis, PE
Strand Associates, Inc.
1525 Bull Lea Road, Suite 100
Lexington, KY 40511

RE: West Hickman WWTP Scum Removal

Mr. Davis,

Per your request Herrick Company, Inc. offers the following for your consideration. Relocate utility lines interfering with placement of scum manhole in drive by new scum decant well. Includes relocating 2" water and 2" gas line.

Labor	\$ 2,460.00
Equipment	\$ 700.00
Material	\$ 960.00
Subcontractor	\$ 1,895.00
Bonds	\$ 100.00
O/P	\$ 1,080.00
TOTAL	\$ 7,195.00

Let me know if you have any questions or need additional information.

Sincerely,

Ryan P. Gabbard

Herrick Company, Inc.

2176 Waddy Road
Lawrenceburg, KY 40342

Phone: 502-839-3484
Fax: 502-839-0939

PCO # 7

March 22, 2019

Mr. Mike Davis, PE
Strand Associates, Inc.
1525 Bull Lea Road, Suite 100
Lexington, KY 40511

RE: West Hickman WWTP Scum Removal

Mr. Davis,

Per your request Herrick Company, Inc. offers the following for your consideration. Install backflow preventer in precast vault, per American Water Company requirements. This price reflects HCI giving LFUCG a \$400.00 credit for not doing the hot tap in the original project, and a credit of \$1,171.31 for Brown Sprinkler deleting the 3" back flow preventer in the original project.. This price does not include the cost of the tap itself. American Water Company will be billing LFUCG/West Hickman directly for making the hot tap on their water line, and providing/installing the PIV. → Paid through separate P.O.

Labor	\$ 6,197.00
Equipment	\$ 2,350.00
Material	\$ 7,803.00
Bonds	\$ 225.00
O/P	\$ 2,925.00
TOTAL	\$19,500.00

Let me know if you have any questions or need additional information.

Sincerely,

Ryan P. Gabbard

Herrick Company, Inc.

2176 Waddy Road
Lawrenceburg, KY 40342,

Phone: 502-839-3484
Fax: 502-839-0939
hci@dcr.net

PCO # 8

March 22, 2019

Mr. Mike Davis, PE
Strand Associates, Inc.
1525 Bull Lea Rd, Ste. 100
Lexington, KY 40511

RE: West Hickman WWTP Scum Removal

Dear Mr. Davis:

Per your request Herrick Company, Inc. offers the following quote for your consideration. Do not install gates that were part of original contract, only provide the material.

Total Lump Sum Credit for Gate Installation: \$4,500.00

Please let us know if you have any questions or need additional information.

Sincerely,

Ryan P. Gabbard

HCI

Herrick Company, Inc.

2176 Waddy Rd, HWY 395
Lawrenceburg, KY 40342

Phone: 502-839-3484
Fax: 502-839-0939
E-Mail: hci@dcr.net

PCO # 11

October 16, 2019

Mike Davis, P.E.
Strand Associates, Inc.
1525 Bull Lea Road, Suite 100
Lexington, KY 40511

RE: West Hickman WWTP Scum

Mr. Davis;

Per your request Herrick Company, Inc. offers the following for your consideration. Extend 6 clarifier scum lines from existing 3" flanges under bridges to existing 6" underground pipes. Per e mail, plans and pictures dated 10-7-19.

Existing above ground pipe is 3" galvanized steel and existing buried is assumed to be 6" DI pipe. We propose to use 3" DI flanged pipe and fittings above ground and 6" MJ pipe and fittings for buried pipe and fittings.

Labor	\$17,950.00
Equipment	\$ 4,950.00
Material	\$16,650.00
Subcontract	\$ 3,000.00
Bonds	\$ 500.00
O&P	\$ 7,750.00
Total Lump Sum:	\$ 50,850.00

Let me know if you have any questions or need additional information.

Sincerely,



H. Douglas Herrick

Tiffany Rank

From: Tiffany Rank
Sent: Monday, October 7, 2019 6:09 PM
To: 'Donna Herrick'
Cc: Rick Bowman; Daniel Honeycutt; James Worten
Subject: Quote for Connecting Clarifier Scum Lines to Existing Buried Scum Lines
Attachments: Scum Line Drawings.pdf; Scum Line Photos.pdf

Doug,

Attached are some photos and very elementary drawings but I think there is enough detail for you to give us a price. I think the only thing that needs to be confirmed are the pipe sizes and material. I think the Clarifier Scum Lines are 3" Cast Iron (Jim can you confirm?) and the Existing buried Scum Lines are 6" Cast Iron (?).

If you look at the drawing you will see that 2 of the Clarifier Scum Lines are on the same side as the existing underground scum lines but 4 are on the opposite side of the bridge. You can reroute the pipe under the bridge before turning down.

When you look at the Splitter Box Drawing you can see that the Existing Scum Line Ties in at about 6' below grade. The tie in for the Clarifier Scum Lines to the Buried lines will be between 5 and 6 foot.

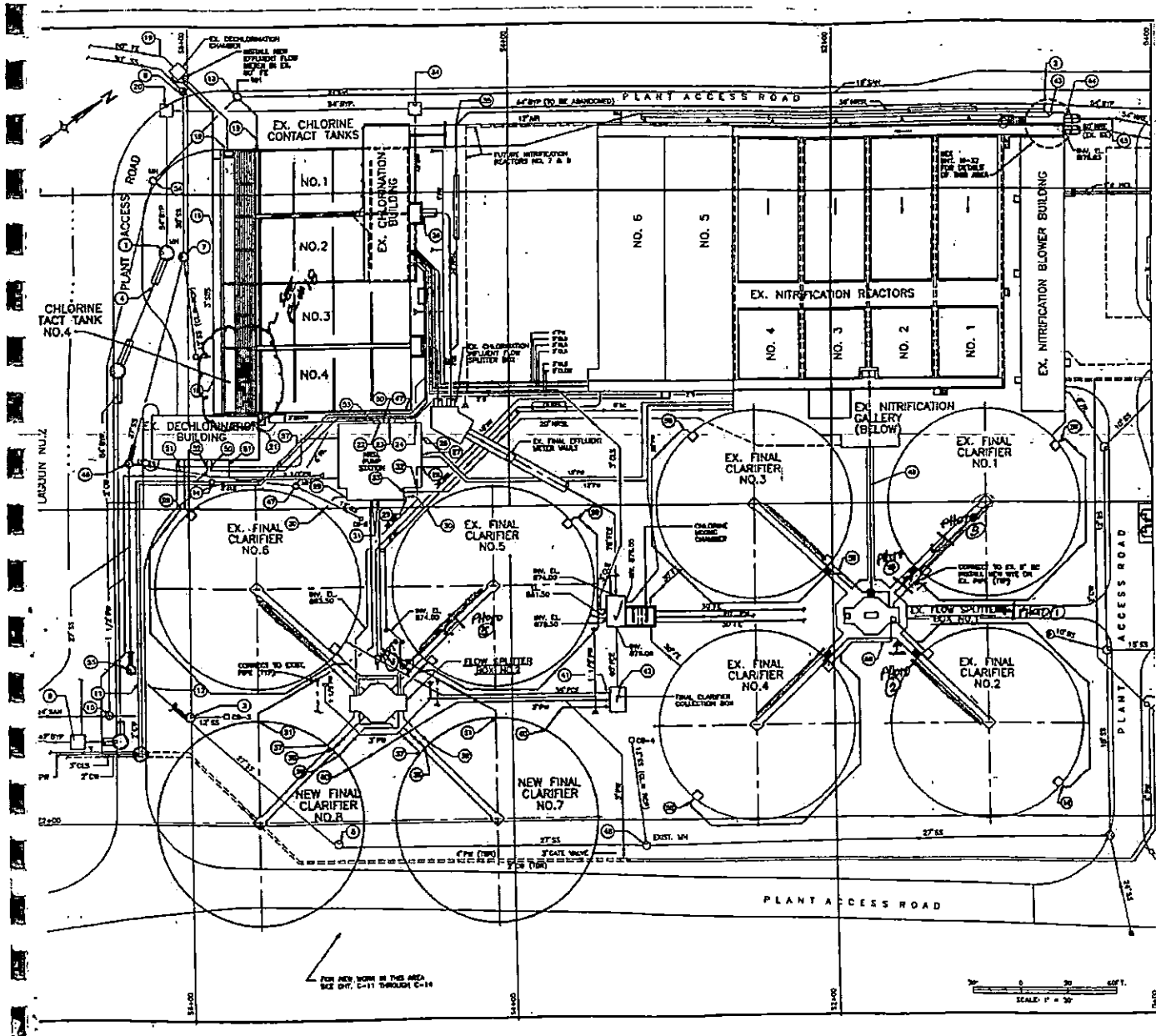
We would like a price for connecting the Clarifier Scum Lines to the Existing Buried Scum Lines. There are 6 ties to be made as clarifiers #7 and #8 do not need this work completed. This junction can be done where the Scum line from the old scum box (Black on the drawings) Ys into the yellow Scum Line. Jim said that some of them have cleanouts. Hopefully they will be easy to find.

We would like cleanouts installed at the point where you make the connection and a coupling before the pipe goes underground from the clarifier. The scum pipes are not used in the winter time so we would like to be able to flush the lines once the system is out of service.

If you have any questions Tuesday, I will be out of the office, please call Rick Bowman at 859-425-2475. Once I have the price; as long as it is reasonable I will add it to the current change order and get it to council.

Thank you for your hard work!

Tiffany Rank



Scum lines existing that need to be tied into existing buried scum lines (yellow)

Buried scum lines, existing.

Existing scum line that will need to be capped off.

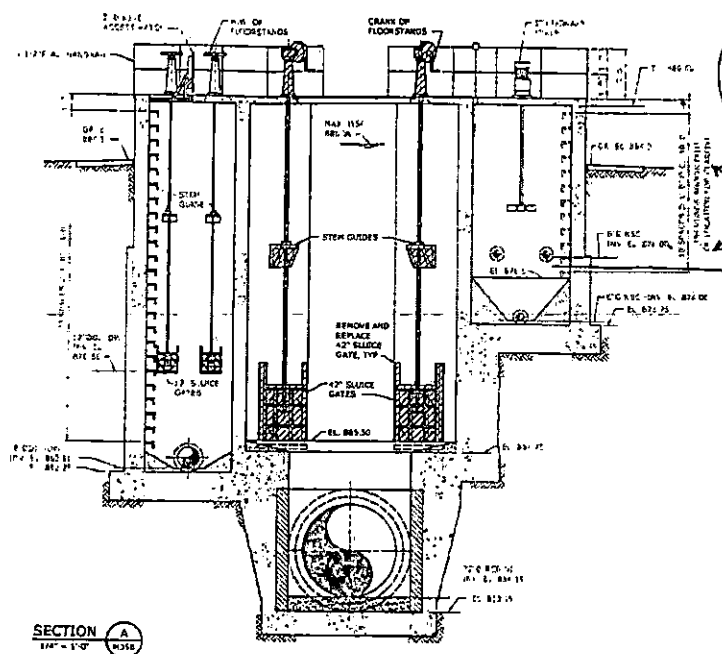
* Scum lines 2, 4, 5 and 6 will need to be re-routed under the bridge and then turned down to meet existing buried scum line.

FOR NEW WORK IN THIS AREA, SEE DWT, C-11 THROUGH C-14

SCALE: 1" = 30'

NOTES:

1. CONTRACTOR SHALL INSPECT AND VERIFY EXISTING GATES, STEM GUIDES AND FLOOR STANDS PRIOR TO CONSTRUCTION.
2. LIQUID-DWG WILL ISOLATE AND Dewater TO THE BEST OF THEIR ABILITIES THE SPLITTER BOX DOWN TO THE LEVEL OF THE SLUDGE GATE. THE CONTRACTOR IS RESPONSIBLE FOR PROVIDING ANY ADDITIONAL REQUIRED Dewatering NEEDED TO INSTALL THE GATES.
3. DWG HAS PURCHASED THE REPLACEMENT GATES FOR THE SPLITTER BOX AND ARE STORED AT THE WWTP SITE. THE CONTRACTOR SHALL REMOVE THE FOUR EXISTING 42" GATES AND GASKETS WITHIN THE SPLITTER BOX AND REPLACE/INSTALL THE FOUR NEW 42" GATES. DWG HAS PURCHASED.
4. CONTRACTOR IS RESPONSIBLE FOR ALL CONTINGENCY SPACE ERECTION WORK CONDITIONS AND PERMITTING ASSOCIATED WITH THIS PROJECT.
5. THE CONTRACTOR SHALL REMOVE/REINSTALL AS NEEDED ALL EXISTING FLOOR STANDS, STEM GUIDES AND GROUT AS NEEDED FOR INSTALLATION/REPLACEMENT OF THE FOUR 42" GATES.



Ground Level to pipe invert @ box is approx 6'

Existing Buried Scum Lines tied into existing Flow splitter box.

SECTION A
1/4" = 1'-0"

PROJECT ENGINEER	K. ZEHNDER
DESIGNED BY	K. ZEHNDER
DRAWN BY	E. HYPES
CHECKED BY	W. LEADATTER
DATE	
BY	

PRELIMINARY DRAWING
DO NOT USE FOR
CONSTRUCTION

Hazen
HAZEN AND SAWYER
230 LEXINGTON GREEN CIRCLE, SUITE 320
LEXINGTON, KENTUCKY 40503

LEXINGTON FAYETTE URBAN COUNTY GOVERNMENT
KENTUCKY
WEST HICKMAN WWTP FINAL CLARIFIERS NO. 7 AND
NO. 8 STRUCTURAL REPAIRS

FINAL CLARIFIERS FLOW SPLITTER BOX NO. 1
MECHANICAL
SECTION

DATE	AUGUST 2016
HAZEN NO.	50029-008
LIJG# NO.	XX-2018
DRAWING NUMBER	M351

