

## Summary Chart for Change Order #2

| Summary Chart for Change Order #2 |            |                                                                                                                                                                                                                                                                                                             |              |                     |                                                                                   |   |    |        |  |
|-----------------------------------|------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------|---------------------|-----------------------------------------------------------------------------------|---|----|--------|--|
| Project:                          |            | West Hickman WWTP Scum Removal Addition and ASH Tank No. 3 Cover<br>Lexington, Kentucky<br>Contract # 22-2018                                                                                                                                                                                               |              |                     | Key<br>Ow = Owner      Om = Omission<br>A/E = Architect/Engineer   C = Contractor |   |    |        |  |
| PCO                               | Date       | Brief Description                                                                                                                                                                                                                                                                                           | Price        | Change Requested by |                                                                                   |   |    | CO No. |  |
| No.                               |            |                                                                                                                                                                                                                                                                                                             |              | Ow                  | A/E                                                                               | C | Om |        |  |
| 4                                 | 10/24/2018 | Addition of 7 Dry Upright Sprinkler Heads<br><br>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<br><br>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<br><br>When digging for new manhole to be placed in the road for the scum decant well additional conflicting utilities were found. Relocation was necessary.                                                                                                    | \$7,195.00   | X                   | X                                                                                 |   |    | 2      |  |
| 7                                 | 3/22/2019  | Purchase and installation of backflow preventer.<br><br>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.<br><br>The timing for installation of the distribution box gates worked better with a different project when a shutdown of the plant was possible.<br><br>Credit for SCADA Integration: Working with plant superintendent on necessity | -\$4,500.00  | X                   |                                                                                   |   |    | 2      |  |
| 9                                 | 9/25/2019  | 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.<br><br>Credit for Soils Allowance not used.                                     | -\$15,000.00 | X                   |                                                                                   |   |    | 2      |  |
| 10                                | 9/25/2019  | \$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<br><br>Plant Staff researched installation to be done in-house. The lines eneded 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      |  |
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# Herrick Company, Inc.

1385 Tracy Road  
Lawrenceburg, KY 40342

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

PCO # 4

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          |
| <b>TOTAL</b>  | <b>\$ 1,899.60</b> |

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

Sincerely,

Ryan P. Gabbard

PLC# 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.

|                                                     |              |                    |
|-----------------------------------------------------|--------------|--------------------|
| <b>Option #1:</b> 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         |
|                                                     | <b>Total</b> | <b>\$12,400.00</b> |



**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        |
| <b>Total</b> | <b>\$6,890.00</b> |

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        |
| <b>TOTAL</b>  | <b>\$ 7,195.00</b> |

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        |
| <b>TOTAL</b> | <b>\$19,500.00</b> |

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@dcrr.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



Herrick Company, Inc.

2176 Waddy Rd, HWY 395  
Lawrenceburg, KY 40342

Phone: 502-839-3484  
Fax: 502-839-0939  
E-Mail: hci@dcn.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         |
| <b>Total Lump Sum:</b> | <b>\$ 50,850.00</b> |

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.

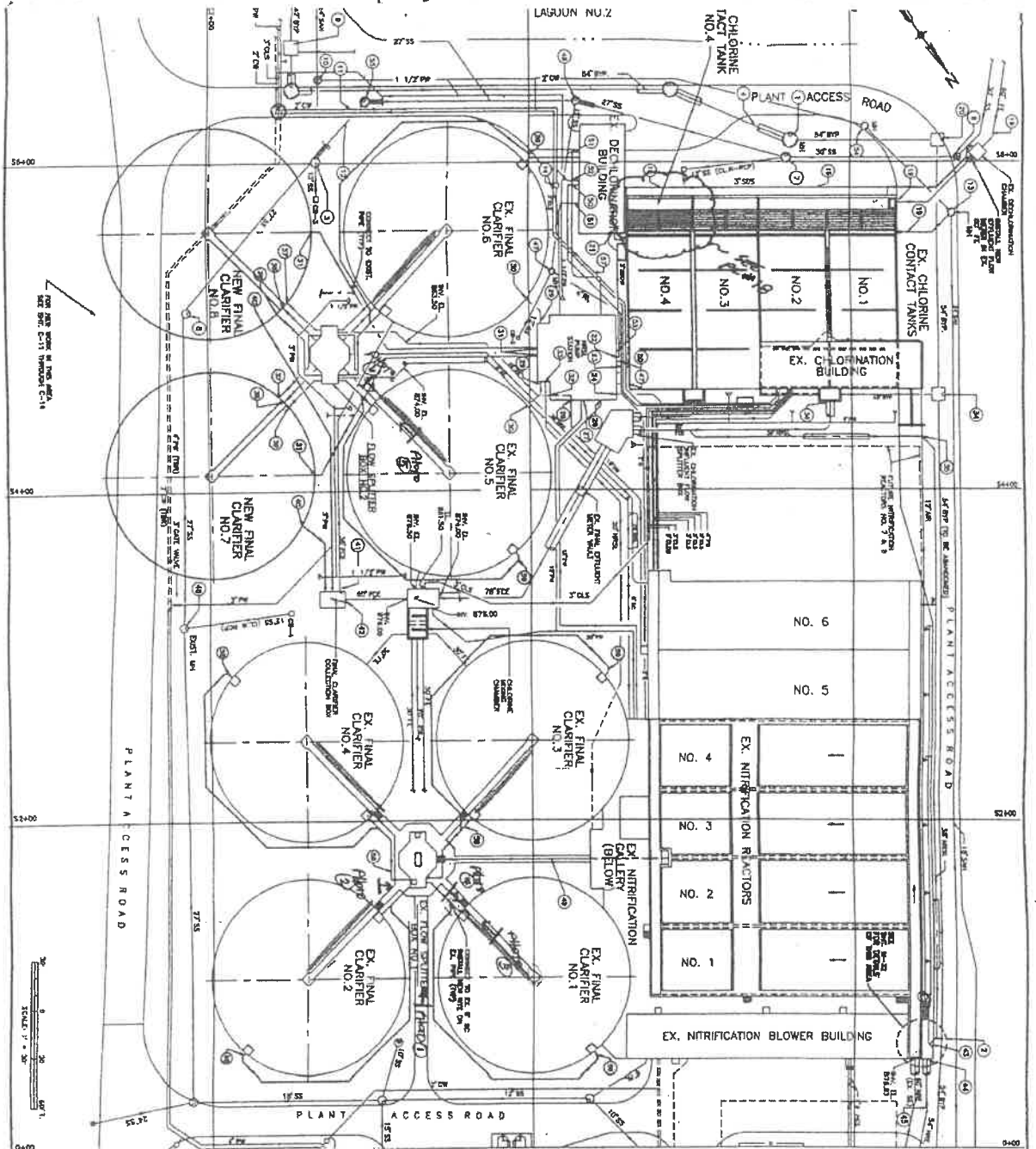
We would like a price for connecting the Clarifier Scum Lines to the Existing Buried Scum Lines. There are 6 ties to be made as clarifiers #7 and #8 do not need this work completed. This junction can be done where the Scum line from the old scum box (Black on the drawings) Ys into the yellow Scum Line.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

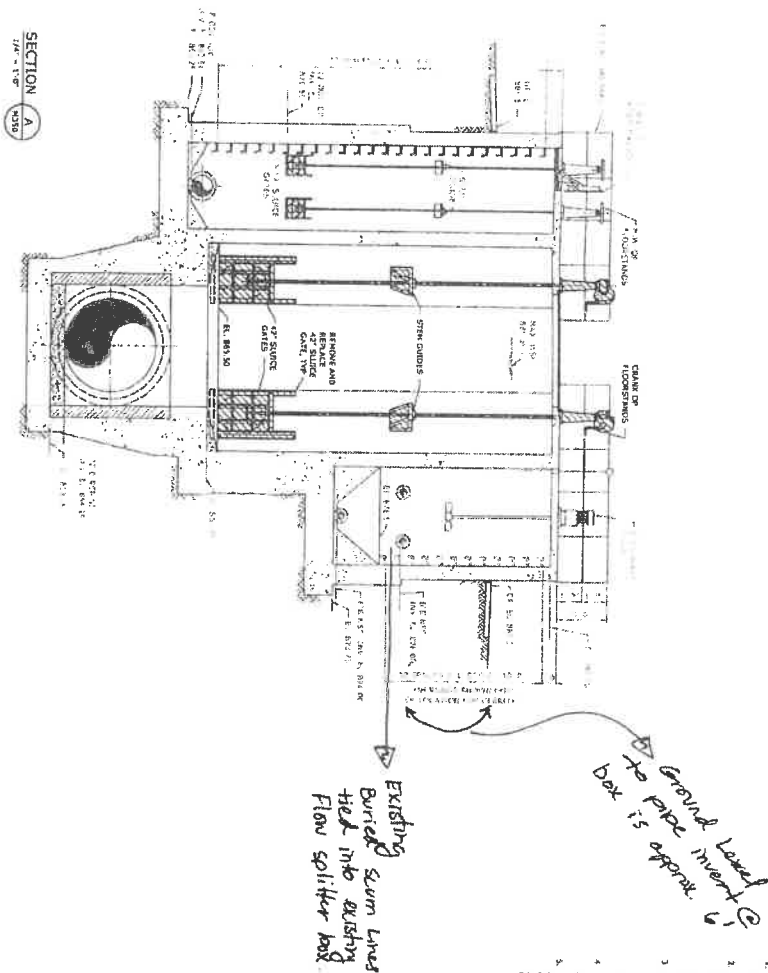


Scum lines existing that need to be tied into existing buried scum lines (yellow)

Buried scum lines, existing

Existing scum line that will need to be capped off.

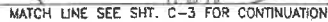
\* Scum lines 2, 4, 5 and 6 will need to be re-routed under the bridge and then turned down to meet existing buried scum line.



Ground Level  
to pipe invert  
Box is approx. 6'

1. CONSTRUCTION SHALL INCLUDE, BUT NOT BE LIMITED TO, THE FOLLOWING: A. EXISTING WALLS, STEEL BEAMS AND FLOOR STANDING JOISTS TO BE DEMOLISHED.
2. LIFTING DOWNS WITH INSULATION AND BRANING TO BE DONE BY THE SUBCONTRACTOR.
3. CONSTRUCTION IS RESPONSIBLE FOR REMOVING/INSTALLING THE EXISTING FLOORING TO THE INVERT OF THE SLUGGAGE CHUTE REFERRED TO HEREIN.
4. DOWNS HAS REQUESTED THE REMOVAL OF THE FLOOR FOR THE BRANING AND IS BEING STORED AT THE PROJECT SITE. THE SUBCONTRACTOR SHALL BE RESPONSIBLE FOR THE FLOOR DURING "X" GATES AND GARDENS WITHIN THE SLUGGAGE CHUTE AND BACKSTASHES.
5. THE CONNECTION SHALL REMOVE/INSTALL, GARDENS AND EXISTING FLOOR STANDING JOISTS, STEEL BEAMS AND EXISTING FLOOR STANDING JOISTS. INSTALLATION/REMOVAL OF THE FLOOR "X" GATES.

|                                                                                                                                                                                                                                                                                                                                                                                                                                                         |                                                                                                                                                                                                           |
|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| PROJECT                                                                                                                                                                                                                                                                                                                                                                                                                                                 | K. ZEPHINDER                                                                                                                                                                                              |
| ENGINEER                                                                                                                                                                                                                                                                                                                                                                                                                                                | K. ZEPHINDER                                                                                                                                                                                              |
| DRAWN BY                                                                                                                                                                                                                                                                                                                                                                                                                                                | E. HYMES                                                                                                                                                                                                  |
| CHECKED BY                                                                                                                                                                                                                                                                                                                                                                                                                                              | W. LAMBITTER                                                                                                                                                                                              |
| IF THIS DRAWING IS NOT TO BE USED FOR CONSTRUCTION                                                                                                                                                                                                                                                                                                                                                                                                      | <div style="display: flex; justify-content: space-around;"> <div>             0<br/>1" = 10' </div> <div>  </div> </div> |
| DATE                                                                                                                                                                                                                                                                                                                                                                                                                                                    | BY                                                                                                                                                                                                        |
| REVISED                                                                                                                                                                                                                                                                                                                                                                                                                                                 | BY                                                                                                                                                                                                        |
| <div style="display: flex; justify-content: space-between;"> <div> <p>220 LEXINGTON GREEN CIRCLE, SUITE 200<br/>LEXINGTON, KENTUCKY 40503</p> <p><b>Hazen</b></p> <p>HAZEN AND SAWYER<br/>WEST HICKMAN WWP FINAL CLARIFIERS NO. 7 AND<br/>NO. 8 STRUCTURAL REPAIRS</p> </div> <div> <p>LEXINGTON PAVETTE URBAN COUNTY GOVERNMENT<br/>KENTUCKY</p> </div> <div> <p>FINAL CLARIFIERS FLOW SPLITTER BOX NO. 1<br/>MECHANICAL<br/>SECTION</p> </div> </div> |                                                                                                                                                                                                           |
| DATE                                                                                                                                                                                                                                                                                                                                                                                                                                                    | AUGUST 2016                                                                                                                                                                                               |
| DRAWN NO.                                                                                                                                                                                                                                                                                                                                                                                                                                               | 50428408                                                                                                                                                                                                  |
| UNLESS SO                                                                                                                                                                                                                                                                                                                                                                                                                                               | XX-2016                                                                                                                                                                                                   |
| CHANGING                                                                                                                                                                                                                                                                                                                                                                                                                                                |                                                                                                                                                                                                           |
| REVISIONS                                                                                                                                                                                                                                                                                                                                                                                                                                               |                                                                                                                                                                                                           |
| M351                                                                                                                                                                                                                                                                                                                                                                                                                                                    |                                                                                                                                                                                                           |



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