


Date of Issuance: June 20, 2024      Effective Date:  
 Owner: Town of Boonsboro      Owner's Contract No.:  
 Contractor: HRI, Inc.      Contractor's Project No.:  
 Engineer: Gwin, Dobson & Foreman, Inc.      Engineer's Project No.: 21061  
 Project: Boonsboro Sludge Dewatering Project      Contract Name: General - Mechanical

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

Description: Rerouting Utility Water Line (PCO2R1) - \$1,927.57  
 Snow Clips on Pole Barn Buildings (PCO3R1) - \$7,014.57  
 Sludge Truck Connection (PCO4) - \$6,599.86  
 Sludge Pump Check Valve (PCO5) - \$6,341.85  
 Microbioretention Area Changes (PCO6) - \$13,248.29

Attachments: HRI Change Proposals

CHANGE IN CONTRACT PRICE	CHANGE IN CONTRACT TIMES <i>[note changes in Milestones if applicable]</i>
Original Contract Price: \$ <u>2,220,787.00</u>	Original Contract Times: Substantial Completion: <u>February 11, 2024</u> Ready for Final Payment: <u>April 16, 2024</u> days or dates
[Increase] [ <del>Decrease</del> ] from previously approved Change Orders No. <u>1</u> to No. <u>1</u> : \$ <u>8,525.28</u>	[Increase] [ <del>Decrease</del> ] from previously approved Change Orders No. <u>1</u> to No. <u>1</u> : Substantial Completion: <u>120 Days</u> Ready for Final Payment: <u>120 Days</u> days
Contract Price prior to this Change Order: \$ <u>2,229,312.28</u>	Contract Times prior to this Change Order: Substantial Completion: <u>June 10, 2024</u> Ready for Final Payment: <u>August 14, 2024</u> days or dates
[Increase] [ <del>Decrease</del> ] of this Change Order: \$ <u>35,132.14</u>	[Increase] [ <del>Decrease</del> ] of this Change Order: Substantial Completion: _____ Ready for Final Payment: _____ days or dates
Contract Price incorporating this Change Order: \$ <u>2,264,444.42</u>	Contract Times with all approved Change Orders: Substantial Completion: <u>June 10, 2024</u> Ready for Final Payment: <u>August 14, 2024</u> days or dates

RECOMMENDED:	ACCEPTED:	ACCEPTED:
By: <u></u>	By: _____	By: <u></u>
Engineer (if required)	Owner (Authorized Signature)	Contractor (Authorized Signature)
Title: Senior Env. Engineer	Title _____	Title <u>PROJECT MANAGER</u>
Date: <u>06/24/2024</u>	Date _____	Date <u>6/21/2024</u>

Approved by Funding Agency (if applicable)

By: \_\_\_\_\_ Date: \_\_\_\_\_  
 Title: \_\_\_\_\_



# HRI, INC.

A COLAS COMPANY

Letter No.: HRI-GD&F  
March 11, 2024

Gwin, Dobson & Foreman Engineers  
3121 Fairway Drive  
Altoona, PA 16602

Attn: Dave Pedersen, PE  
Subject: Sludge Dewatering Project  
Re: Contract Change Order

Dear Mr. Pedersen,

Enclosed, please find a detailed description, pricing proposal and supporting documentation for the following HRI PCO for consideration in a contract change order.

PCO-002R1 – Reroute 3” Utility Water- **\$1,927.57**

If you have any questions or need additional information, please feel free to contact me at [jfredley@hriinc.com](mailto:jfredley@hriinc.com) or (814) 424-2985.

Sincerely,  
HRI, INC.

A handwritten signature in blue ink, appearing to read 'Jon Fredley', is placed above the printed name.

Jon Fredley  
Project Manger

Encl.: PCO-002R1 Proposal

**CHANGE ORDER WORK SHEET  
COST JUSTIFICATION SHEET**



HRI-PCO 002R1

HRI, INC. - Utilities Division  
Boonsboro Sludge Dewatering Project  
HRI Job # 10295832

DESCRIPTION OF OPERATION: Reroute 3" Utility Water

**MATERIAL**

DESCRIPTION	QUANTITY	UM	UNIT PRICE	AMOUNT
				\$0.00
				\$0.00
				\$0.00
				\$0.00
<b>Sub Total</b>				\$0.00
<b>0.0% Sales Tax</b>				\$0.00
<b>Total Material</b>				\$0.00
<b>15.0% Markup</b>				\$0.00

**LABOR**

CLASSIFICATION	HOURS	OT HOURS	STANDARD RATE	OT RATE	DIRECT LABOR
Superintendent	3.0		\$114.56	\$171.84	\$343.68
Project Manager			\$115.45	\$173.18	
Project Engineer			\$97.65	\$146.48	
Safety Manager			\$88.56	\$132.84	
Foreman			\$77.18	\$115.77	
Electrical Foreman			\$85.36	\$128.04	
Laborer			\$42.94	\$64.41	
Operator			\$49.62	\$74.43	
Carpenter			\$49.65	\$74.48	
Ironworker			\$55.33	\$83.00	
Plumber			\$31.23	\$46.85	
Electrician			\$55.77	\$83.66	
Lowboy Driver			\$46.78	\$70.17	
Mechanic			\$49.62	\$74.43	
<b>Sub Total</b>					\$343.68
<b>% Ins., Taxes, Etc. =</b> <span style="border: 1px solid black; padding: 2px;">21.6700%</span>					\$74.48
<b>Total Base Labor x (% Ins., Taxes, etc.)</b>					\$418.16
<b>15.0% Markup</b>					\$62.72

**EQUIPMENT**

DESCRIPTION	EQUIPMENT #	QUANTITY	UNITS	OPERATING RATE/HOUR	AMOUNT
Superintendent Truck	104053	3.00	HRS	\$38.51	\$115.53
Project Manager SUV	104073			\$35.00	
Project Engineer SUV	171196			\$35.00	
Safety Manager SUV	105030			\$35.00	
Foreman Truck	108022			\$45.43	
Komatsu 138 Excavator	230011			\$122.80	
Volvo L70 Loader	220047			\$76.95	
2 EA Submersible Trash Pump 2"	N/A			\$1,345.20	
Tri-Axle Dump Truck	122842			\$0.00	
Cat 963 Track Loader	227019			\$108.24	
Cat CP563C Padfoot Roller	209092			\$0.00	
Volvo A40D Truck	432003			\$189.05	
Hamm Smooth Drum Roller	#N/A			#N/A	
Highway Truck Tractor	#N/A			#N/A	
Case TR270 Skid Steer	N/A			\$0.00	
Genie S-40 Manlift	N/A			\$0.00	
Genie S-40 Manlift - Pickup/Delivery Charges	N/A			\$0.00	
<b>Total Equipment</b>					\$115.53
<b>15.0% Markup</b>					\$17.33

\* Rate/Hour includes Operating Cost

**SUBCONTRACTS**

Description	DESCRIPTION	AMOUNT
Beaver Mechanical	Plumbing	\$1,220.00
<b>Sub Total</b>		\$1,220.00
<b>0.0% Sales Tax</b>		\$0.00
<b>Total Subcontract Value</b>		\$1,220.00
<b>5.0% Markup</b>		\$61.00

**INDIRECT EXPENSES**

DESCRIPTION	RATE/MONTH	CALENDAR DAYS	RATE/DAY	AMOUNT
Field Office - HRI	TBD	N/A	TBD	
Field Office - Engineer/Owner	TBD	N/A	TBD	
Dumpster Service	TBD	N/A	TBD	
Toilet Rental/Service	TBD	N/A	TBD	
Temp Electrical Service	TBD	N/A	TBD	
<b>Total Indirects</b>				\$0.00
<b>10.0% Markup</b>				\$0.00

Contractor's Representative	Small Tools @ 2.5% Labor	\$8.59
	Safety @ 1.5% Labor	\$5.16
	Warranty @ 1.5% Materials	\$0.00
X _____	Subtotal	\$1,908.49
Signature	Date	Bonds / Insurance @ 1%
		<b>\$1,927.57</b>
Engineer's Representative Confirming Receipt	<b>GRAND TOTAL</b>	
	<b>\$1,927.57</b>	

X \_\_\_\_\_  
Signature Date

1 LS



# BEAVER

*Mechanical Contractors, Inc.*

61 WEST LEE STREET  
HAGERSTOWN, MD 21740-6092  
Phone (301-790-1400) Fax (301-739-8365)  
www.beavermechanical.com

Revised ..... February 26, 2024

2/22/2024

**HRI, Inc.**

1750 West College Avenue  
State College, PA 16801

Attn: **Jack Curley**

Ref: **Boonsboro Wastewater Treatment Plant**

Sludge Dewatering  
Rotary Press Building  
(Utility Water Relocation)  
[BMC RFP-01R]

In accordance with the Utility Water Relocation Sketch [dated 2-15-2024 and received in our office via email from HRI on 2-21-2024], regarding Utility Water changes in the Rotary Press Building, we hereby submit the following *Revised* Request for Change Proposal (RFP). We propose to reroute 3" Utility Water (UW) piping along the three walls surrounding the Rotary Press Machine and connect this main to the ¾" UW piping to the Hose Bibb [HB 1] at the east wall. At this point we shall reduce the main size to 1-1/2", extend this main to the ¾" UW piping branch to the Frostproof Wall Hydrant [WH 1] at the east wall and extend 1-1/2" UW piping to the branch connection to the Flocculator. We propose to reduce the size of the 1-1/2" UW main to ¾" at the 1-1/2" Flocculator connection tee and then connect to ¾" UW piping that supplies the second Hose Bibb [HB 1] at the south wall. We shall furnish and install two (2) 3" branches from this 3" UW main (at the north wall) to connect four (4) 1" vertical piping connections at the Rotary Press Machine as shown on the sketch, utilizing valves, etc. as originally shown. Two (2) vertical, stainless steel pipe stands shall be provided to support the 3" branch piping between the north wall and the Rotary Press Machine. Our RFP as outlined herein, is as follows:

ADD [UW piping changes as outlined above]	\$ 2,360.00
Credit [original UW piping shown in front of the Rotary Press Machine]	(1,140.00)
<b>Total ADD for BMC RFP-01</b>	<b>\$ 1,220.00</b>

**Notes:**

- Applicable taxes are Included
- All utility water piping shall be PVC Schedule 40 pipe with PVC Schedule 40 fittings
- All piping fasteners and supports shall be stainless steel
- Our proposal Excludes rotating/relocating the previously installed 3" UW Backflow Preventer and 3" UW Pressure Reducing Valve. We propose to install a small 90° ell in the 3" UW tee outlet, so that the pressure gauge will be mounted in a vertical position
- All painting and pipe insulation are Excluded
- BMC shall not be held responsible for shipment delays, lack of product and price increases due to the current, volatile market and any other causes beyond our control

# BEAVER

*Mechanical Contractors, Inc.*

61 WEST LEE STREET  
HAGERSTOWN, MD 21740-6092  
Phone (301-790-1400) Fax (301-739-8365)  
www.beavermechanical.com

Revised ..... February 26, 2024

2/22/2024

HRI, Inc.  
Boonsboro Wastewater Treatment Plant  
Sludge Dewatering  
Rotary Press Building  
(Utility Water Relocation)  
[BMC RFP-01R]  
(Page 2)

Thank you for the opportunity to prepare this *revised* request for change proposal which is valid for a period of **fifteen (15) calendar days**. All labor is based on being accomplished during our regular workday schedule ... 7:00 AM thru 3:00 PM Monday thru Friday (*no evenings, weekends or holidays*). We shall not proceed with this work without written authorization. Please contact our office with any questions.

Sincerely,

BEAVER MECHANICAL CONTRACTORS, INC.



Timothy W. Bryan  
(President)

TWB/RLN  
TO 100736

CONFIDENTIALITY NOTICE: This proposal/quotation is considered confidential and proprietary and was prepared for the sole use of the above-mentioned client. The information contained herein shall not be reproduced and/or shared without the express written consent of Beaver Mechanical Contractors, Inc.



# HRI, INC.

A COLAS COMPANY

Letter No.: HRI-GD&F  
March 11, 2024

Gwin, Dobson & Foreman Engineers  
3121 Fairway Drive  
Altoona, PA 16602

Attn: Dave Pedersen, PE  
Subject: Sludge Dewatering Project  
Re: Contract Change Order

Dear Mr. Pedersen,

Enclosed, please find a detailed description, pricing proposal and supporting documentation for the following HRI PCO for consideration in a contract change order.

PCO-003R1 – Snow Clips at Storage & Sludge Storage Buildings- **\$7,014.57**

If you have any questions or need additional information, please feel free to contact me at [jfredley@hriinc.com](mailto:jfredley@hriinc.com) or (814) 424-2985.

Sincerely,  
HRI, INC.

A handwritten signature in blue ink, appearing to read 'Jon Fredley', is placed above the typed name.

Jon Fredley  
Project Manger

Encl.: PCO-003R1 Proposal

**CHANGE ORDER WORK SHEET  
COST JUSTIFICATION SHEET**



HRI-PCO 003R1

HRI, INC. - Utilities Division  
Boonsboro Sludge Dewatering Project  
HRI Job # 10295832

DESCRIPTION OF OPERATION: Snow Clips at Storage & Sludge Storage Buildings

**MATERIAL**

DESCRIPTION	QUANTITY	UM	UNIT PRICE	AMOUNT
				\$0.00
				\$0.00
				\$0.00
				\$0.00
<b>Sub Total</b>				\$0.00
<b>0.0% Sales Tax</b>				\$0.00
<b>Total Material</b>				\$0.00
<b>15.0% Markup</b>				\$0.00

**LABOR**

CLASSIFICATION	HOURS	OT HOURS	STANDARD RATE	OT RATE	DIRECT LABOR
Superintendent	2.0		\$114.56	\$171.84	\$229.12
Project Manager			\$115.45	\$173.18	
Project Engineer			\$97.65	\$146.48	
Safety Manager			\$88.56	\$132.84	
Foreman			\$77.18	\$115.77	
Electrical Foreman			\$85.36	\$128.04	
Laborer			\$42.94	\$64.41	
Operator			\$49.62	\$74.43	
Carpenter			\$49.65	\$74.48	
Ironworker			\$55.33	\$83.00	
Plumber			\$31.23	\$46.85	
Electrician			\$55.77	\$83.66	
Lowboy Driver			\$46.78	\$70.17	
Mechanic			\$49.62	\$74.43	
<b>Sub Total</b>					\$229.12
<b>% Ins., Taxes, Etc. =</b>					21.6700%
<b>Total Base Labor x (% Ins., Taxes, etc.)</b>					\$49.65
<b>Total Labor</b>					\$278.77
<b>15.0% Markup</b>					\$41.82

**EQUIPMENT**

DESCRIPTION	EQUIPMENT #	QUANTITY	UNITS	OPERATING RATE/HOUR	AMOUNT
Superintendent Truck	104053	2.00	HRS	\$38.51	\$77.02
Project Manager SUV	104073			\$35.00	
Project Engineer SUV	171196			\$35.00	
Safety Manager SUV	105030			\$35.00	
Foreman Truck	108022			\$45.43	
Komatsu 138 Excavator	230011			\$122.80	
Volvo L70 Loader	220047			\$76.95	
2 EA Submersible Trash Pump 2"	N/A			\$1,345.20	
Tri-Axle Dump Truck	122842			\$0.00	
Cat 963 Track Loader	227019			\$108.24	
Cat CP563C Padfoot Roller	209092			\$0.00	
Volvo A40D Truck	432003			\$189.05	
Hamm Smooth Drum Roller	#N/A			#N/A	
Highway Truck Tractor	#N/A			#N/A	
Case TR270 Skid Steer	N/A			\$0.00	
Genie S-40 Manlift	N/A			\$0.00	
Genie S-40 Manlift - Pickup/Delivery Charges	N/A			\$0.00	
<b>Total Equipment</b>					\$77.02
<b>15.0% Markup</b>					\$11.55

**SUBCONTRACTS**

Description	DESCRIPTION	AMOUNT
Conestoga Construction	Building Framer	\$9,216.00
	Deduct: Standing Seam at Rotary Press Building	-\$3,000.00
<b>Sub Total</b>		\$6,216.00
<b>0.0% Sales Tax</b>		\$0.00
<b>Total Subcontract Value</b>		\$6,216.00
<b>5.0% Markup</b>		\$310.80

**INDIRECT EXPENSES**

DESCRIPTION	RATE/MONTH	CALENDAR DAYS	RATE/DAY	AMOUNT
Field Office - HRI	TBD	N/A	TBD	
Field Office - Engineer/Owner	TBD	N/A	TBD	
Dumpster Service	TBD	N/A	TBD	
Toilet Rental/Service	TBD	N/A	TBD	
Temp Electrical Service	TBD	N/A	TBD	
<b>Total Indirects</b>				\$0.00
<b>10.0% Markup</b>				\$0.00

Contractor's Representative	Small Tools @ 2.5% Labor	\$5.73
	Safety @ 1.5% Labor	\$3.44
	Warranty @ 1.5% Materials	\$0.00
X _____	Subtotal	\$6,945.12
Signature	Date	Bonds / Insurance @ 1%
		\$7,014.57
Engineer's Representative Confirming Receipt	<b>GRAND TOTAL</b>	<b>\$7,014.57</b>
		1 LS

X \_\_\_\_\_  
Signature Date



## SCHUSTER, Cornelius (BIC HRI)

---

**From:** Brent Whary <BWhary@cbstructuresinc.com>  
**Sent:** Wednesday, February 28, 2024 3:11 PM  
**To:** SCHUSTER, Cornelius (BIC HRI); FREDLEY, Jon (BIC HRI); CURLEY, Jack (BIC HRI)  
**Subject:** RE: Boonsboro WWTP - Snow Guard Pricing for the Sludge and Storage Buildings  
**Attachments:** Snow Defender 4500 Snow Guard Specs.pdf; Snow-Defender-4500-Color-Chart.pdf

**Follow Up Flag:** Follow up  
**Flag Status:** Flagged

**Categories:** Boonsboro

**Warning :** Message sent from Internet from BWhary@cbstructuresinc.com

Do not click on the links or attachments unless you are sure of the sender's address.

Neil,

Attached is the submittal information for the snow defender snow guards that are designed for the 9" OC high rib panel. Snow Defender Gallery Blue will match the Heron Blue from Everlast Metal panels. The snow defender snow guards are the most cost effective snow retention option, snow rails will be double the cost for these buildings.

### Storage Building

1 row of snow guards on each eave wall, they would be staggered every 9" in between the metal high ribs. Material and labor is \$2,228.00

### Sludge Building

2 rows of snow guards on each side of the roof, one on the eave wall and one in mid span. They would be staggered every 9" in between the high ribs. The roof metal is 44' long and will require 2 rows of snow guards per side due to the volume, 1 row will fail over time and is not warrantable. Material and labor is \$6,988.00

Any questions let me know.

Thanks

Brent Whary  
VP of Operations  
Conestoga Construction  
Commercial, Industrial, Government Division  
1 Community Lane. Ephrata, PA 17522  
717-354-2613 (office)  
EMAIL: [bwhary@cbstructuresinc.com](mailto:bwhary@cbstructuresinc.com)  
[www.Conestogaconstruction.com](http://www.Conestogaconstruction.com)

---

**From:** SCHUSTER, Cornelius (BIC HRI) <nshuster@hriinc.com>  
**Sent:** Wednesday, February 21, 2024 11:38 AM

To: Brent Whary <BWhary@cbstructuresinc.com>; FREDLEY, Jon (BIC HRI) <jfredley@hriinc.com>; CURLEY, Jack (BIC HRI) <jcurley@hriinc.com>

Subject: Boonsboro WWTP - Additional Work Item

Brent,

The owner is interested in having snow clips added to the Storage Building and the Sludge Storage Building. Would Conestoga be interested in pricing/completing this work? I checked your submittal for some info, but it seems that the snow clips that were submitted are specifically for standing seam roofs. Please let me know either way.

Thanks,



A COLAS COMPANY

**NEIL SCHUSTER**

PROJECT ENGINEER

MOBILE: 814.424.4159

EMAIL: [nschuster@hriinc.com](mailto:nschuster@hriinc.com)

**HRI, Inc.**

1750 WEST COLLEGE AVE.

STATE COLLEGE, PA 16801

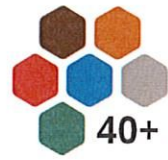
[www.hriinc.com](http://www.hriinc.com)



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AVAILABLE IN  
40+ COLORS

## Snow Defender® 4500

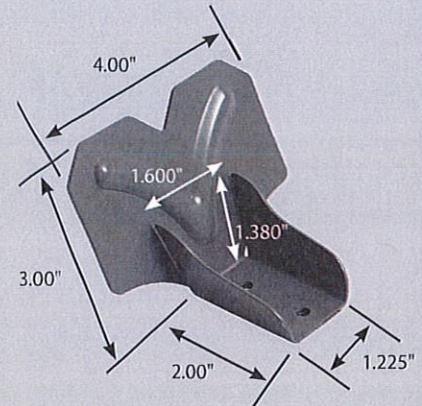
For exposed fastener panels: on 2x4 purlins in the flat position (Not for use with standing seam roofing)

- 16 gauge type 304 stainless steel
- EPDM rubber sealer
- Powder coated or mill finish
- No caulk needed
- Patented
- Made in USA
- 15 year warranty

Part#	Description	Pcs/Bx	Lb/Bx
SD45	Snow Defender® 4500	50	15.10



EPDM rubber sealer



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[www.SnowDefenderCalculator.com](http://www.SnowDefenderCalculator.com)



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18



## Snow Defender™ 4500

- Designed for exposed fastener panels like the ABM Panel
- Must be screwed into 2x4 purlins in the flat position
- Made with 16 Gauge type 304 stainless steel that will never rust
- EPDM rubber sealer saves time because no caulk is needed
- Powder coated for a long-lasting colored finish
- Online calculator at [www.snowdefendercalculator.com](http://www.snowdefendercalculator.com)



**Bright White** (WH)



**Light Stone** (LS)



**Beige** (BG)



**Clay** (CL)



**Tan** (TN)



**Bone White** (BW)



**Ash Gray** (AG)



**Pewter Gray** (PG)



**Charcoal** (CH)



**Bronze** (BZ)



**Scarlet Red** (SR)



**Barn Red** (RD)



**Colonial Red** (CR)



**Burgundy** (BU)



**Brown** (BN)



**Gold** (GL)



**Patina Green** (PA)



**Avocado Green** (AV)



**Forest Green** (FG)



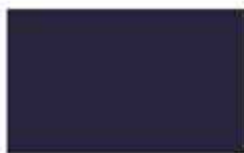
**Evergreen** (EG)



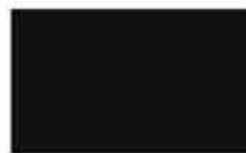
**Slate Blue** (SB)



**Gallery Blue** (GB)



**Dark Blue** (DB)



**Black** (BL)



**Copper Penny** (CP)



# WORK CHANGE DIRECTIVE

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PROJECT: Sludge Dewatering Project

WORK CHANGE DIRECTIVE: No. 1

TO:	HRI, Inc	INITIATION DATE:	March 21, 2024
OWNER:	Town of Boonsboro 21 North Main Street Boonsboro, MD 21713	CONTRACT NO:	1
		CONTRACT DATE:	March 1, 2022

You are directed to make the following changes in this Contract:


**Work Item:** Truck Connection to Sludge Piping

**Sub-contractor(s) Involved:**

**Reference:** Sheet 40, 47 Markup

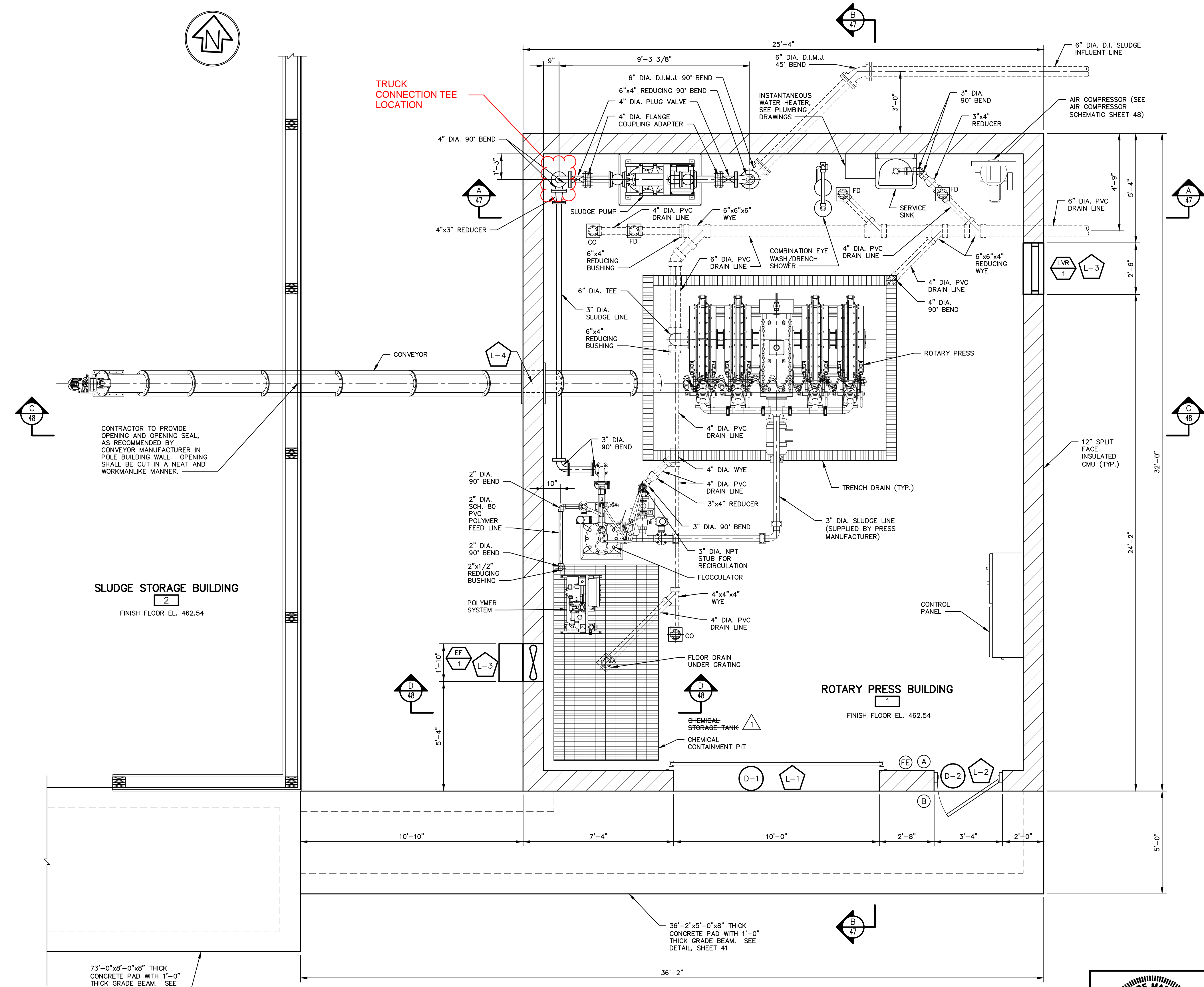
**Change to be Made:** Provide truck connection on discharge side of sludge pump in Press Building.

Remove existing 90-degree elbow on the discharge side of the sludge pump following the 4" Plug Valve. Provide 4" Ductile Iron Tee, 4" Ductile Iron Plug Valve, 4" Stainless Steel Piping (flanged connection to Plug Valve, threaded connection on exterior), and 4" quick connect fitting with dust cap on exterior of building as shown. Provide a minimum of 1' clearance between exterior of wall/quick connect fitting and provide wall closures as necessary for neat appearance.

Engineer:   
David Pedersen, PE  
Sr. Environmental Engineer

Date: 3/21/2023

cc: Town of Boonsboro  
File



**ROTARY PRESS BUILDING FLOOR PLAN**

SCALE: 3/8" = 1'-0"

IBC 2018 CODE ANALYSIS TABLE	
USE AND OCCUPANCY CLASSIFICATION	U
TYPE OF CONSTRUCTION	V-B
BUILDING HEIGHT	1 STORY, 19'-9" ±
TOTAL DESIGNED OCCUPANCY	0
MAXIMUM TRAVEL DISTANCE TO EXIT	37'-0"
MINIMUM NUMBER OF EXITS	1

FIRE EXTINGUISHERS: A MINIMUM OF 1 WITH A 2A RATING IS PROVIDED FOR EACH AREA (SEE PLAN) IN ACCORDANCE WITH TABLE 906.3(1) OF THE IFC 2009

AREA SCHEDULE		
ROOM No.	ROOM NAME	AREA (SQ. FEET)
1	ROTARY PRESS BUILDING	700
TOTAL GROSS AREA		811

SIGN SCHEDULE	
(A)	EXIT
(B)	ENTRANCE

NOTE: 2" HIGH SIGNS, 4'-0" TO THE BOTTOM x AS LONG AS NEEDED FOR ROOM TITLE

- LEGEND**
- A.F.F. ABOVE FINISHED FLOOR
  - MCJ MASONRY CONTROL JOINT (SEE EXTERIOR ELEVATIONS, SHEET 46 FOR DIMENSIONS)
  - M.O. MASONRY OPENING
  - FD FLOOR DRAIN
  - CO CLEANOUT
  - FE INDICATES FIRE EXTINGUISHER
  - XXX INDICATES ROOM AREA NUMBER
  - D- INDICATES DOOR (SEE DOOR SCHEDULE, SHEETS NO. 50)
  - L- INDICATES LINTEL (SEE LINTEL SCHEDULE, SHEETS NO. 50)
  - INDICATES LOUVER/EXHAUST FAN, SEE HVAC PLAN AND SCHEDULE
  - 12" STANDARD CMU WITH #5 @ 32" (WITH INJECTED SPRAY FOAM INSULATION)
  - TRENCH DRAIN (SEE PLUMBING PLANS)
  - 2" THICK REMOVABLE FRP GRATING

NO.	DATE	DESCRIPTION
	3/20/23	ISSUED FOR CONSTRUCTION
	1/31/23	ADDENDUM No. 1
	1/9/23	ISSUED FOR BID

ROTARY PRESS BUILDING FLOOR PLAN TOWN OF BOONSBORO <b>SLUDGE DEWATERING PROJECT</b> BOONSBORO, WASHINGTON COUNTY, MARYLAND		 <b>GWIN DOBSON &amp; FOREMAN</b> ENGINEERS 3121 Fairway Drive Altoona, PA 16602 814.943.5214 gdfengineers.com
DATE: 3/20/23 FILE: 21061_40	JOB: 21061 DRAWN BY: RLN CHECKED BY: DEP	
SHEET NO: 40		SCALE: 3/8" = 1'-0" EXPIRATION DATE: 2/23/24

I, HEREBY, CERTIFY THAT THESE DOCUMENTS WERE PREPARED OR APPROVED BY ME, AND THAT I AM A DAILY LICENSED PROFESSIONAL ENGINEER UNDER THE LAWS OF THE STATE OF MARYLAND. LICENSE No. 58866 EXPIRATION DATE: 2/23/24

PLOT CREATED: 3/9/2023 8:10 AM





# QUOTATION

L/B Water Service, Inc.  
 550 S HIGH STREET  
 SELINGROVE, PA 17870  
 570-374-1157



Quote Number	
1950456	
Quote Date	Page
04/30/2024	1 of 2

Quote Expires On: 05/07/2024

**Proposal Submitted to:** 14728  
 HRI, INC.  
 8590 BILSTEIN BLVD., STE 100  
 HAMILTON, OH 45015

**Ship To:**  
 HRI, INC.  
 1750 WEST COLLEGE AVENUE  
 STATE COLLEGE, PA 16801

814-238-5071

Requested By: JON FREDLEY  
 Cell Phone: 814-424-2985

<b>PO/Job Name</b>	<b>Salesperson</b>	<b>Entered By</b>
BOONSBORO CHANGE ORDER	Tony Brouse	TONY_BROUSE

Quantity	Item ID	Item Description	Unit Price	Extended Price
Quoted	UOM			

**Delivery Instructions:** DELIVER TO HRI SHOP-70 OPERATIONS CENTER  
 1750 WEST COLLEGE AVE.  
 STATE COLLEGE, PA 16801

**DUE TO CONTINUOUSLY CHANGING SUPPLY CHAIN CONDITIONS, MATERIALS ARE SUBJECT TO PRICING AT TIME OF SHIPMENT. MATERIAL AVAILABILITY AND TIMELINESS OF SHIPMENTS CANNOT BE GUARANTEED. THIS TERM SUPERSEDES ALL OTHER CONTRACTUAL PROVISIONS.**

1.00	EA	SP4FLGTEE 4IN FLANGED TEE PRIME COAT INT CEMENT LINED (FTD0404TND)	\$324.53	\$324.53
1.00	EA	4-MF 4IN SERIES 2104 MEGAFLANGE FLANGE ADAPTER RANGE: 4.80-4.90 WILL ACCEPT TRANS GASKET	\$105.23	\$105.23
1.00	EA	4-601FLG-GEAR 4IN FIG 601 FLG MILLIKEN PLUG VALVE NICKEL SEAT, BUNA-N, ABOVEGROUND GEAR & HANDWHL	\$984.71	\$984.71
1.00	EA	4X9FLG 4IN X 9IN CI COMPANION FLANGE FITS 4IN 125# FLANGE FITTINGS BLACK FIG 20	\$75.18	\$75.18
4.00	EA	4X8FFGSKT-NON 4IN X 1/8IN BLACK EPDM RUBBER FULL FACED FLANGED GASKET NON-NSF61	\$3.65	\$14.60
4.00	BOX	4X8FFACC-NSFF 4IN FLG ACC SET 8-5/8IN X 3IN FGN BOLT & NUTS, 1/8IN BLK FF EPDM GASKET NSF61	\$22.91	\$91.64
3.00	EA	MSC-10250177 ***NON-STOCK*** 4X36-SS 4IN X 26IN STAINLESS STEEL NIPPLE TBE WELDED, 6064-3600	\$280.29	\$840.87
1.00	EA	MSC-10234646 ***NON-STOCK*** K402-64	\$95.46	\$95.46

# QUOTATION

L/B Water Service, Inc.  
 550 S HIGH STREET  
 SELINGROVE, PA 17870  
 570-374-1157



Quote Number	
1950456	
Quote Date	Page
04/30/2024	2 of 2

Quote Expires On: 05/07/2024

Quantity		Item ID Item Description	Unit Price	Extended Price
Quoted	UOM			
4IN 304SS THREADED 45 DEGREE BEND				
1.00	EA	400-F-AL 4IN ALUMINUM MALE CAM & GROOVE X MALE IRON PIPE THREAD COUPLER	\$27.73	\$27.73
1.00	EA	400-DC-AL 4IN ALUMINUM CAM & GROOVE DUST CAP	\$27.16	\$27.16
2.00	EA	3-MF 3IN SERIES 2103 MEGAFLANGE FLANGE ADAPTER RANGE: 3.96-4.06 WILL ACCEPT TRANS GASKET	\$85.29	<del>\$170.58</del>
1.00	EA	3-601FLG-GEAR 3INFIG 601 FLG MILLIKEN PLUG VALVE NICKEL SEAT, BUNA-N, ABOVE GROUND GEAR & HANDWHL	\$762.35	<del>\$762.35</del>
1.00	EA	3X8FFGSKT-NON 3IN X 1/8IN BLACK EPDM RUBBER FULL FACED FLANGED GASKET NON-NSF61	\$2.39	<del>\$2.39</del>
1.00	BOX	3X8FFACC-NONF 3IN FLG ACC SET 4-5/8IN X 2-1/2IN FGN BOLT & NUTS, 1/8IN BLK FF EPDM GASKET NON NSF	\$9.08	<del>\$9.08</del>
2.00	EA	MSC-10250189 ***NON-STOCK*** HAND WHEEL FOR MILLIKEN 601 VALVE	\$189.75	<del>\$379.50</del>
<i>Total Lines: 18</i>			<b>SUB-TOTAL:</b>	3,911.01
			<b>TAX:</b>	234.64
			<b>EXTENDED QUOTE \$:</b>	<del>4,145.65</del>

**L/B Water Service, Inc.  
 TERMS AND CONDITIONS OF SALE**

Please see full terms and conditions at [www.lbh2o.com](http://www.lbh2o.com). These terms and conditions (these "Terms") apply to the purchase and sale of products ("Goods") from L/B Water Service, Inc. (the "Seller") and are subject to change by Seller without prior written notice at any time, at Seller's sole discretion. Any purchases by Purchaser after written notice by Seller of such changes either via its website or other writing will constitute Purchaser's acceptance of and agreement to the Terms.

I/we, \_\_\_\_\_, hereby agree to purchase the goods presented on this quotation and to accept the terms and conditions listed above.

\_\_\_\_\_  
 Signature Title Date

**CHANGE ORDER WORK SHEET  
COST JUSTIFICATION SHEET**



HRI, INC. - Utilities Division  
Boonsboro Sludge Dewatering Project  
HRI Job # 10295832

HRI-PCO 005

DESCRIPTION OF OPERATION: Sludge Check Valve

**MATERIAL**

DESCRIPTION	QUANTITY	UM	UNIT PRICE	AMOUNT
3" PVP Back Pressure Valve	1.00	EA	\$2,116.00	\$2,116.00
Megaflanges & Plug Valve	1.00	LS	\$944.40	\$944.40
				\$0.00
				\$0.00
<b>Sub Total</b>				\$3,060.40
0.0% Sales Tax				\$0.00
<b>Total Material</b>				\$3,060.40
15.0% Markup				\$459.06

**LABOR**

CLASSIFICATION	HOURS	OT HOURS	STANDARD RATE	OT RATE	DIRECT LABOR
Superintendent	2.0		\$114.56	\$171.84	\$229.12
Project Manager			\$115.45	\$173.18	
Project Engineer			\$97.65	\$146.48	
Safety Manager			\$88.56	\$132.84	
Foreman	8.0		\$77.18	\$115.77	\$617.44
Electrical Foreman			\$85.36	\$128.04	
Laborer	16.0		\$42.94	\$64.41	\$687.04
Operator			\$49.62	\$74.43	
Carpenter			\$49.65	\$74.48	
Ironworker			\$55.33	\$83.00	
Plumber			\$31.23	\$46.85	
Electrician			\$55.77	\$83.66	
Lowboy Driver			\$46.78	\$70.17	
Mechanic			\$49.62	\$74.43	
					\$1,533.60
<b>Sub Total</b>					\$1,533.60
% Ins., Taxes, Etc. = 21.6700%					\$332.33
<b>Total Base Labor x (% Ins., Taxes, etc.)</b>					\$1,865.93
15.0% Markup					\$279.89

**EQUIPMENT**

DESCRIPTION	EQUIPMENT #	QUANTITY	UNITS	OPERATING RATE/HOUR	AMOUNT
Superintendent Truck	104053	2.00	HRS	\$38.51	\$77.02
Project Manager SUV	104073		HRS	\$35.00	
Project Engineer SUV	171196		HRS	\$35.00	
Safety Manager SUV	105030		HRS	\$35.00	
Foreman Truck	108022	8.00	HRS	\$45.43	\$363.44
Komatsu 138 Excavator	230011		HRS	\$122.80	
Volvo L70 Loader	220047		HRS	\$76.95	
Tri-Axle Dump Truck	122842		HRS	\$0.00	
Cat 963 Track Loader	227019		HRS	\$108.24	
Cat CP563C Padfoot Roller	209092		HRS	\$0.00	
Volvo A40D Truck	432003		HRS	\$189.05	
Hamm Smooth Drum Roller	#N/A		HRS	#N/A	
Highway Truck Tractor	#N/A		HRS	#N/A	
Case TR270 Skid Steer	N/A		HRS	\$0.00	
Genie S-40 Manlift	N/A		HRS	\$0.00	
Genie S-40 Manlift - Pickup/Delivery Charges	N/A		HRS	\$0.00	
					\$440.46
<b>Total Equipment</b>					\$440.46
15.0% Markup					\$66.07

\* Rate/Hour includes Operating Cost

**SUBCONTRACTS**

Description	DESCRIPTION	AMOUNT
<b>Sub Total</b>		\$0.00
0.0% Sales Tax		\$0.00
<b>Total Subcontract Value</b>		\$0.00
5.0% Markup		\$0.00

**INDIRECT EXPENSES**

DESCRIPTION	RATE/MONTH	CALENDAR DAYS	RATE/DAY	AMOUNT
Field Office - HRI	TBD	N/A		TBD
Field Office - Engineer/Owner	TBD	N/A		TBD
Dumpster Service	TBD	N/A		TBD
Toilet Rental/Service	TBD	N/A		TBD
Temp Electrical Service	TBD	N/A		TBD
				\$0.00
<b>Total Indirects</b>				\$0.00
10.0% Markup				\$0.00

Contractor's Representative	Small Tools @ 2.5% Labor	\$38.34
	Safety @ 1.5% Labor	\$23.00
	Warranty @ 1.5% Materials	\$45.91
	<b>Subtotal</b>	\$6,279.06
	Bonds / Insurance @ 1%	\$62.79
	<b>GRAND TOTAL</b>	\$6,341.85
		1 LS

X Jim Freidley 1-May-24  
Signature Date

Engineer's Representative Confirming Receipt  
X \_\_\_\_\_  
Signature Date

# WORK CHANGE DIRECTIVE

---

PROJECT: Sludge Dewatering Project

WORK CHANGE DIRECTIVE: No. 2

TO: HRI, Inc

INITIATION DATE: April 24, 2024

OWNER: Town of Boonsboro  
21 North Main Street  
Boonsboro, MD 21713

CONTRACT NO: 1

CONTRACT DATE: March 1, 2022


You are directed to make the following changes in this Contract:

**Work Item:** Sludge Pump Check Valve

**Sub-contractor(s) Involved:**

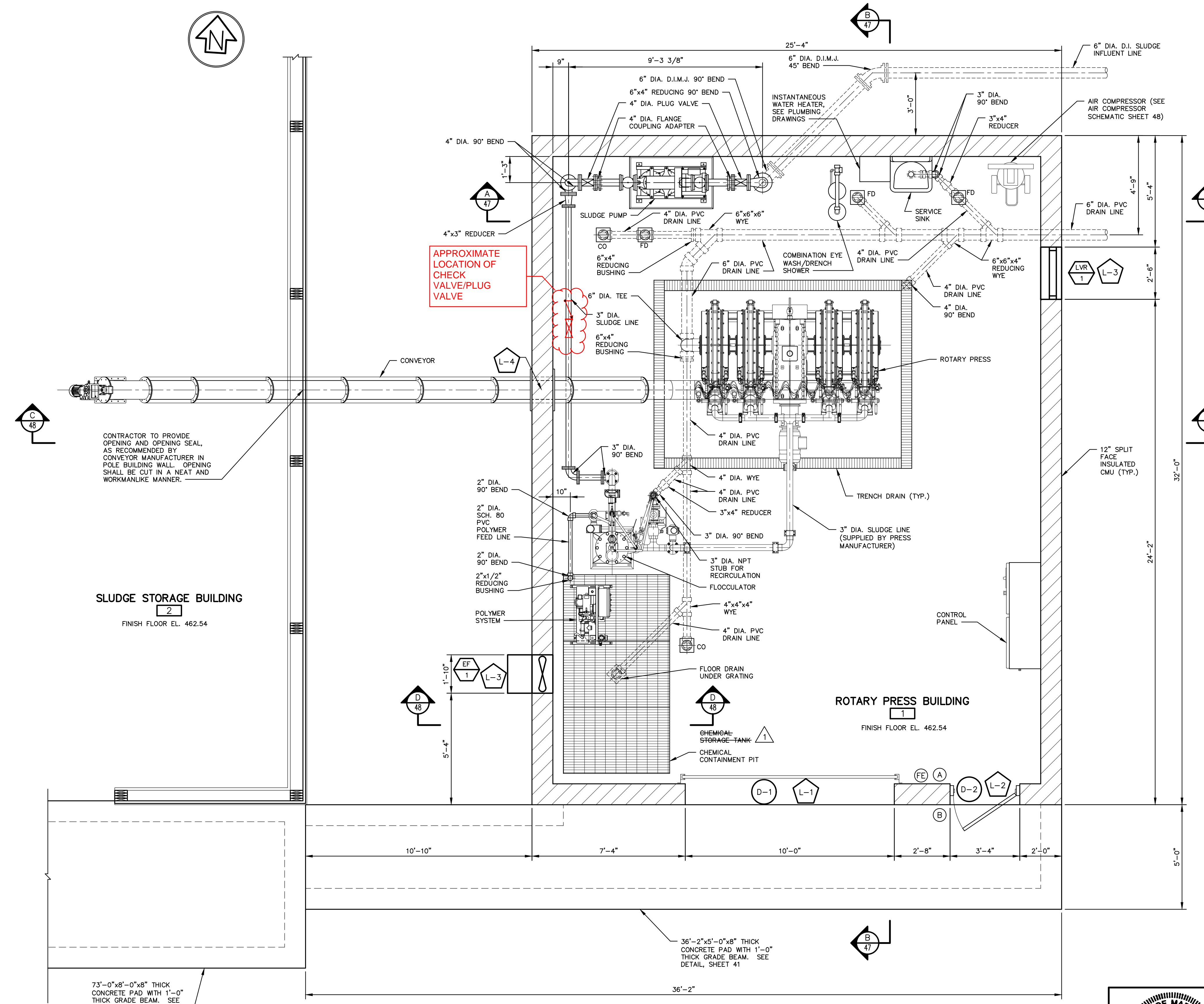
**Reference:** Markup of Sheet 40

**Change to be Made:** Provide 3" adjustable swing check valve (Model PVP759 with Spring Assembly on left side of flow direction when viewed from top, Penn Valley Pump), 3" plug valve, and flanged coupling adapters in approximate location shown on below markup. Final location to provide adequate clearance for servicing of the check valve.

Engineer:   
David Pedersen, PE  
Sr. Environmental Engineer

Date: 4/24/2024

cc: Town of Boonsboro  
File



IBC 2018 CODE ANALYSIS TABLE	
USE AND OCCUPANCY CLASSIFICATION	U
TYPE OF CONSTRUCTION	V-B
BUILDING HEIGHT	1 STORY, 19'-9" ±
TOTAL DESIGNED OCCUPANCY	0
MAXIMUM TRAVEL DISTANCE TO EXIT	37'-0"
MINIMUM NUMBER OF EXITS	1

FIRE EXTINGUISHERS: A MINIMUM OF 1 WITH A 2A RATING IS PROVIDED FOR EACH AREA (SEE PLAN) IN ACCORDANCE WITH TABLE 906.3(1) OF THE IFC 2009

AREA SCHEDULE		
ROOM No.	ROOM NAME	AREA (SQ. FEET)
1	ROTARY PRESS BUILDING	700
TOTAL GROSS AREA		811

SIGN SCHEDULE	
(A)	EXIT
(B)	ENTRANCE

NOTE: 2" HIGH SIGNS, 4'-0" TO THE BOTTOM x AS LONG AS NEEDED FOR ROOM TITLE

LEGEND	
A.F.F.	ABOVE FINISHED FLOOR
MCJ	MASONRY CONTROL JOINT (SEE EXTERIOR ELEVATIONS, SHEET 46 FOR DIMENSIONS)
M.O.	MASONRY OPENING
FD	FLOOR DRAIN
CO	CLEANOUT
(FE)	INDICATES FIRE EXTINGUISHER
(XXX)	INDICATES ROOM AREA NUMBER
(D-)	INDICATES DOOR (SEE DOOR SCHEDULE, SHEETS NO. 50)
(L-)	INDICATES LINTEL (SEE LINTEL SCHEDULE, SHEETS NO. 50)
(-)	INDICATES LOUVER/EXHAUST FAN, SEE HVAC PLAN AND SCHEDULE
(Hatched Box)	12" STANDARD CMU WITH #5 @ 32" (WITH INJECTED SPRAY FOAM INSULATION)
(Hatched Box)	TRENCH DRAIN (SEE PLUMBING PLANS)
(Grid Pattern Box)	2" THICK REMOVABLE FRP GRATING

NO.	DATE	DESCRIPTION
	3/20/23	ISSUED FOR CONSTRUCTION
	1/31/23	ADDENDUM No. 1
	1/9/23	ISSUED FOR BID

ROTARY PRESS BUILDING FLOOR PLAN		<p><b>GD&amp;F</b> GWIN DOBSON &amp; FOREMAN ENGINEERS</p> <p>3121 Fairway Drive Aldershot, PA 16602 814.943.5214 gdfengineers.com</p>
TOWN OF BOONSBORO		
<b>SLUDGE DEWATERING PROJECT</b>		<p>BOONSBORO, WASHINGTON COUNTY, MARYLAND</p> <p>DATE: 3/20/23 JOB: 21061 SCALE: 3/8" = 1'-0"</p> <p>FILE: 21061_40 DRAWN BY: RLN CHECKED BY: DEP</p>
SHEET NO. 40		

I, HEREBY, CERTIFY THAT THESE DOCUMENTS WERE PREPARED OR APPROVED BY ME, AND THAT I AM A DAILY LICENSED PROFESSIONAL ENGINEER UNDER THE LAWS OF THE STATE OF MARYLAND. LICENSE No. 58866 EXPIRATION DATE: 2/23/24

**ROTARY PRESS BUILDING FLOOR PLAN**  
SCALE: 3/8" = 1'-0"

**SLUDGE STORAGE BUILDING**  
FINISH FLOOR EL. 462.54

73"-0"x8'-0"x8'-0" THICK CONCRETE PAD WITH 1'-0" THICK GRADE BEAM. SEE DETAIL, SHEET 32

36'-2"x5'-0"x8" THICK CONCRETE PAD WITH 1'-0" THICK GRADE BEAM. SEE DETAIL, SHEET 41

CONTRACTOR TO PROVIDE OPENING AND OPENING SEAL, AS RECOMMENDED BY CONVEYOR MANUFACTURER IN POLE BUILDING WALL. OPENING SHALL BE CUT IN A NEAT AND WORKMANLIKE MANNER.

APPROXIMATE LOCATION OF CHECK VALVE/PLUG VALVE

**Penn Valley Pump Co., Inc.**  
 998 Easton Road  
 Warrington, PA 18976-1800  
 USA

# QUOTATION

Quote Number: 8000  
 Quote Date: Apr 26, 2024  
 Page: 1

Voice: 215-343-8750  
 Fax: 215-343-8753

Quoted To:

Customer ID	Good Thru	Payment Terms	Sales Rep
HRINC	5/26/24	Net 30 Days	

Quantity	Item	Description	Unit Price	Amount
1.00	PVP759-3	3-inch PVP Back Pressure Valve Spring assembly mounting to be on left side of the flow direction when looking from the top	1,866.00	1,866.00
1.00	PVPFREIGHT	Freight charges to Boonsboro, MD	250.00	250.00
			Subtotal	2,116.00
			Sales Tax	
			<b>TOTAL</b>	<b>2,116.00</b>

# QUOTATION

L/B Water Service, Inc.  
 550 S HIGH STREET  
 SELINGROVE, PA 17870  
 570-374-1157



Quote Number	
1950456	
Quote Date	Page
04/30/2024	2 of 2

Quote Expires On: 05/07/2024

Quantity		Item ID Item Description	Unit Price	Extended Price
Quoted	UOM			
		4IN 304SS THREADED 45 DEGREE BEND		
1.00	EA	400-F-AL 4IN ALUMINUM MALE CAM & GROOVE X MALE IRON PIPE THREAD COUPLER	\$27.73	<del>\$27.73</del>
1.00	EA	400-DC-AL 4IN ALUMINUM CAM & GROOVE DUST CAP	\$27.16	<del>\$27.16</del>
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1.00	BOX	3X8FFACC-NONF 3IN FLG ACC SET 4-5/8IN X 2-1/2IN FGN BOLT & NUTS, 1/8IN BLK FF EPDM GASKET NON NSF	\$9.08	\$9.08
2.00	EA	MSC-10250189 ***NON-STOCK*** HAND WHEEL FOR MILLIKEN 601 VALVE	\$189.75	<del>\$379.50</del>
<i>Total Lines: 18</i>			<b>SUB-TOTAL:</b>	<del>3,911.01</del>
			<b>TAX:</b>	<del>234.64</del>
			<b>EXTENDED QUOTE \$:</b>	<del>4,145.65</del>

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I/we, \_\_\_\_\_, hereby agree to purchase the goods presented on this quotation and to accept the terms and conditions listed above.

\_\_\_\_\_  
 Signature Title Date