



Department of Administration
Purchasing Division
2019 Washington Street East
Post Office Box 50130
Charleston, WV 25305-0130

State of West Virginia Purchase Order

Order Date: 04-28-2022

CORRECT ORDER NUMBER MUST APPEAR
ON ALL PACKAGES, INVOICES, AND
SHIPPING PAPERS. QUESTIONS
CONCERNING THIS ORDER SHOULD BE
DIRECTED TO THE DEPARTMENT
CONTACT.

Order Number:	CPO 0310 6377 DNR2000000012 7	Procurement Folder:	697731
Document Name:	Bowden Hatchery 3 - New Facilities Construction	Reason for Modification:	Change Order No. 05 to extend and increase the contract per the attached documentation.
Document Description:	Change Order No. 05- Bowden Hatchery 3- New Facilities Const		
Procurement Type:	Central Purchase Order		
Buyer Name:	Joseph E Hager III		
Telephone:	(304) 558-2306		
Email:	joseph.e.hageriii@wv.gov		
Shipping Method:	Best Way	Effective Start Date:	2020-08-31
Free on Board:	FOB Dest, Freight Prepaid	Effective End Date:	2022-07-29

VENDOR	DEPARTMENT CONTACT																				
Vendor Customer Code: 000000201679 BRECKENRIDGE CORP PO BOX 247 BUCKHANNON WV 262010247 US Vendor Contact Phone: 304-472-3350 Extension: Discount Details: <table><thead><tr><th></th><th>Discount Allowed</th><th>Discount Percentage</th><th>Discount Days</th></tr></thead><tbody><tr><td>#1</td><td>No</td><td>0.0000</td><td>0</td></tr><tr><td>#2</td><td>Not Entered</td><td></td><td></td></tr><tr><td>#3</td><td>Not Entered</td><td></td><td></td></tr><tr><td>#4</td><td>Not Entered</td><td></td><td></td></tr></tbody></table>		Discount Allowed	Discount Percentage	Discount Days	#1	No	0.0000	0	#2	Not Entered			#3	Not Entered			#4	Not Entered			Requestor Name: James H Adkins Requestor Phone: (304) 558-3397 Requestor Email: jamie.h.adkins@wv.gov 22 FILE LOCATION _____
	Discount Allowed	Discount Percentage	Discount Days																		
#1	No	0.0000	0																		
#2	Not Entered																				
#3	Not Entered																				
#4	Not Entered																				

INVOICE TO	SHIP TO
DIVISION OF NATURAL RESOURCES PARKS & RECREATION-PEM SECTION 324 4TH AVE SOUTH CHARLESTON WV 25305 US	DIVISION OF NATURAL RESOURCES BOWDEN HATCHERY RT 1, BOX 80 ELKINS WV 26241 US

5-2-22 BAX

Total Order Amount: \$6,850,434.00

Purchasing Division's File Copy

ENTERED

PURCHASING DIVISION AUTHORIZATION DATE: Linda Harper 5/2/22 ELECTRONIC SIGNATURE ON FILE	ATTORNEY GENERAL APPROVAL AS TO FORM DATE: [Signature] ELECTRONIC SIGNATURE ON FILE	ENCUMBRANCE CERTIFICATION DATE: Beverly Tolen 5-5-2022 ELECTRONIC SIGNATURE ON FILE
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5/4/2022

Extended Description:

Change Order

Change Order No. 05 is issued to extend and increase the original contract according to all terms, conditions, and specifications contained in the original contract including all authorized change orders. The contract (unit prices, hourly rates, annual fee, etc.) is increased as defined in the attached documentation.

Dates of extension: 06/04/2022 - 07/29/2022.

Original Contract Price: \$6,366,000.00

Change Order No. 02 Increase: \$ 180,000.00

Change Order No. 03 Increase: \$ 160,494.00

Change Order No. 04 Decrease: (\$ 54,453.00)

Change Order No. 05 Increase: \$ 198,393.00

Contract New Total: \$6,850,434.00

Effective: 02/18/2022

All provisions of the original Contract and subsequent Change Orders not modified herein shall remain in full force and effect.

No other changes.

Line	Commodity Code	Quantity	Unit	Unit Price	Total Price
1	72120000	0.00000		0.000000	6366000.00
Service From	Service To	Manufacturer		Model No	
2020-08-31	2022-07-29				

Commodity Line Description: Building Construction Services

Extended Description:

Construction of new facilities at Bowden Hatchery.

Line	Commodity Code	Quantity	Unit	Unit Price	Total Price
2	72120000	0.00000		0.000000	180000.00
Service From	Service To	Manufacturer		Model No	
2020-08-31	2022-07-29				

Commodity Line Description: Change Order No. 02

Extended Description:

Construction of new facilities at Bowden Hatchery.

Line	Commodity Code	Quantity	Unit	Unit Price	Total Price
3	72120000	0.00000		0.000000	106041.00
Service From	Service To	Manufacturer		Model No	
2020-08-31	2022-07-29				

Commodity Line Description: Change Order No. 03 & No. 04

Extended Description:

Construction of new facilities at Bowden Hatchery.

Change Order No. 03 \$160,494.00

Change Order No. 04 (\$54,453.00)

Line	Commodity Code	Quantity	Unit	Unit Price	Total Price
4	72120000	0.00000		0.000000	198393.00
Service From	Service To	Manufacturer		Model No	
2020-08-31	2022-07-29				

Commodity Line Description: Change Order No. 05

Extended Description:

Construction of new facilities at Bowden Hatchery.



APPROVED
4/25/22
[Signature]

**DIVISION OF NATURAL RESOURCES
PLANNING, ENGINEERING AND MAINTENANCE**

1194 Carnifex Ferry Road
Summersville, West Virginia 26651
Cell phone: 304-389-8597

Stephen S. McDaniel
Director

January 7, 2022
April 12, 2022 (modified)

Jamie Adkins
WV Division of Natural Resources
Property and Procurement Office
324 4th Avenue
South Charleston, WV 25303

BAK.

Dear Mr. Adkins:

Re: Change Order No. 5
Bowden Fish Hatchery
Contract 3 – New Facilities
CPO 0310 6377
DNR 2000000012

1. Change Order No. 5 is being submitted to address modifications to the project scope and includes the following: move generator to allow for better drainage (when the project was bid, an emergency generator was specified, but because of purchasing regulations, it was not possible to specify a specific generator. The approximate size of the generator was known, but because the generator could come from different manufacturers, the exact size was not known. When the Contractor submitted the generator that was to be used, it became apparent that it was larger than anticipated and would be problematic with the anticipated drainage. It was determined then that it could be placed in another location and the issues with the drainage would be resolved), addition of electrical receptacles (additional electrical receptacles for the Nursery were requested by hatchery personnel for improved operation of the hatchery), modification of new slide gate for the process pump station (a new slide gate was installed at the process water pump station. The slide gate was manually operated by turning a wheel. Raising the gate to the required opening height would be a long and tiring process and while possible, it was subsequently determined that it would be advantageous to the operation of the hatchery if the gate could be opened using a power drill instead of manually turning the wheel - to turn with a power drill requires that the gate be modified to accommodate the power drill attachment), modification of oxygen storage infrastructure (prior to bidding the project, a potential oxygen vendor was consulted and the infrastructure for a major oxygen tank and associated equipment was designed in accordance with the vendor's requirements. Subsequently, personnel for the potential oxygen vendor changed and when the project was reviewed again after the construction project was awarded, the vendor changed the requirements for the infrastructure and the design had to be modified), replacement of damaged piping under existing raceways (existing piping under the raceways was discovered to be deteriorated with age and needed to be replaced), replace/relocate 10-inch drain line from the nursery which interferes with new piping (the exact location of an existing 10-inch drain line from the Nursery was unknown at the time of bidding and when excavation occurred for the installation of new piping, it was discovered that the existing line interfered with new piping and needed to be relocated/replaced), perform wall repairs on existing raceways

(some raceway wall repairs were included in the contract for construction. During construction, it was discovered that additional walls had deteriorated with age and needed to be replaced), modification of ponds necessary to accommodate stormwater surge (after the construction contract was awarded, it was determined that further consideration was required to ensure that in the event of excessive stormwater surge, the new equipment would not be flooded. Several options were explored, and it was determined that the existing ponds could be modified to accommodate the storm surge. This work was not in the original construction contract but should help protect the facility moving forward), construction of concrete walls to separate raceway series (the existing raceways were connected at the head of each raceway when originally constructed as a means of providing options in hatchery operations. Hatchery personnel have opted not to have the raceways connected in that manner and have used stop-logs to separate the raceways. The stop-logs are not completely effective and require extensive maintenance. Hatchery personnel requested that concrete walls be constructed where the stop-logs have been used as a long-term, more reliable solution. This work was not included in the original construction contract but should help facilitate better maintenance practices moving forward), modification of trench drains to address interference with electrical conduit (an existing electrical conduit was discovered that interferes with the new trench drains and the trench drains needed to be modified to accommodate the existing electrical conduit), modification of treatment building to prevent stormwater surge from entering (the new treatment building is built on a concrete curb that is approximately 10 inches above the finished floor. At the door locations, there was no curb so that steps were not required going in or out of the building. In considering the stormwater surge issue discussed previously, it was determined that providing the 10-inch curb at the door locations would provide added protection against the possibility of flooding. The curb needed to be modified and steps added. This work was not included in the original construction contract but should serve to help prevent flooding moving forward). The net change order amount will result in an increase of \$198,393.00. The contract time will increase by 56 days until July 29, 2022.

Please contact me should you have questions or need additional information.

Sincerely,

A handwritten signature in black ink, appearing to read "Mark R. Proctor", written over a horizontal line.

Mark R. Proctor
Project Engineer
WV Division of Natural Resources

cc: Rebecca Westfall, Administrative Services Assistant



**Chapman
Technical
Group**
a division of
GRW

April 4, 2022

Mr. Mark Proctor
WV Division of Natural Resources
324 4th Avenue
South Charleston, West Virginia 25303

**Re: Bowden Hatchery
Contract 3
Hatchery Improvements**

Dear Mr. Proctor:

As the construction of Contract 3 progresses, the following issues have arisen and need to be addressed by change order.

1. When the project was bid, an emergency generator was specified, but because of purchasing regulations, it is not possible to specify a specific generator. The approximate size of the generator was known, but because the generator could come from different manufacturers, the exact size was not known. When the Contractor submitted the generator that was to be used, it became apparent that it was larger than anticipated and would be problematic with the anticipated drainage. It was determined then that it could be placed in another location and the issues with the drainage would be resolved.
2. Additional electrical receptacles for the Nursery were requested by hatchery personnel for improved operation of the hatchery.
3. A new slide gate was installed at the process water pump station. The slide gate is manually operated by turning a wheel. Raising the gate to the required opening height would be a long and tiring process and while possible, it was subsequently determined that it would be advantageous to the operation of the hatchery if the gate could be opened using a power drill instead of manually turning the wheel. To turn with a power drill requires that the gate be modified to accommodate the power drill attachment.
4. Prior to bidding the project, a potential oxygen vendor was consulted and the infrastructure for a major oxygen tank and associated equipment was designed in accordance with the vendor's requirements. Subsequently, personnel for the potential oxygen vendor changed and when the project was reviewed again after the construction project was awarded, the vendor changed the requirements for the infrastructure and the design had to be modified.
5. Existing piping under the raceways was discovered to be deteriorated with age and needs to be replaced.

200 Sixth Avenue
Saint Albans, WV 25177

304.727.5501
304.727.5580 Fax

Buckhannon, WV
Lexington, KY

www.chaptech.com



Mr. Mark Proctor
April 4, 2022
Page Two

6. The exact location of an existing 10-inch drain line from the Nursery was unknown at the time of bidding and when excavation occurred for the installation of new piping, it was discovered that the existing line interferes with new piping and needs to be relocated/replaced.
7. Some raceway wall repairs were included in the contract for construction. During construction, it was discovered that additional walls had deteriorated with age and need to be replaced.
8. After the construction contract was awarded, it was determined that further consideration was required to ensure that in the event of excessive stormwater surge, the new equipment would not be flooded. Several options were explored and it was determined that the existing ponds could be modified to accommodate the storm surge. This work was not in the original construction contract.
9. The existing raceways were connected at the head of each raceway when originally constructed as a means of providing options in hatchery operations. Hatchery personnel have opted not to have the raceways connected in that manner and have used stop-logs to separate the raceways. The stop-logs are not completely effective and require extensive maintenance. Hatchery personnel requested that concrete walls be constructed where the stop-logs have been used as a long-term, more reliable solution. This work was not included in the original construction contract.
10. An existing electrical conduit was discovered that interferes with the new trench drains and the trench drains need to be modified to accommodate the existing electrical conduit.
11. The new treatment building is built on a concrete curb that is approximately 10 inches above the finished floor. At the door locations, there was no curb so that steps were not required going in or out of the building. In considering the stormwater surge issue discussed previously, it was determined that providing the 10-inch curb at the door locations would provide added protection against the possibility of flooding. The curb needs to be modified and steps added. This work was not included in the original construction contract.

We believe that the proposed costs for the change order are fair and reasonable. If you have questions or need additional information, please contact me.

Sincerely,

CHAPMAN TECHNICAL GROUP



Joseph E. Bird, ASLA



**Chapman
Technical
Group**
a division of
GRW

December 27, 2021

Mr. Mark Proctor
WV Division of Natural Resources
324 4th Avenue
South Charleston, West Virginia 25303

**Re: Bowden Hatchery
Contract 3
Hatchery Improvements**

Dear Mr. Proctor:

As the construction of Contract 3 progresses, the following issues have arisen and need to be addressed by change order.

1. The generator needs to be moved to allow for better drainage around the Treatment Building. Additional conduit and service connections are required.
2. Additional electrical receptacles for the Nursery were requested by hatchery personnel.
3. The new slide gate for the process pump station needs to be modified for more efficient operation.
4. The infrastructure for oxygen storage needs to be modified to meet the oxygen supplier requirements.
5. Damaged piping under the existing raceways needs to be replaced.
6. The existing 10-inch drain line from the nursery interferes with new piping and needs to be relocated/replaced.
7. Additional wall repairs are needed on the existing raceway.
8. The existing ponds need to be modified to accommodate stormwater surge so that new equipment will not be damaged.
9. Hatchery personnel have requested that concrete walls be constructed to separate the raceway series.
10. An electrical conduit was discovered that interferes with the new trench drains and the trench drains need to be modified.
11. The treatment building needs to be modified to prevent stormwater surge from entering through door openings.

We believe that the proposed costs for the change order are fair and reasonable. If you have questions or need additional information, please contact me.

200 Sixth Avenue
Saint Albans, WV 25177

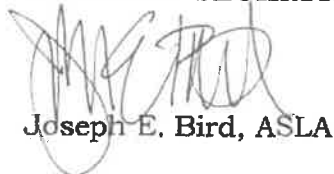
304.727.5501
304.727.5580 Fax

Buckhannon, WV
Lexington, KY

www.chaptech.com

Sincerely,

CHAPMAN TECHNICAL GROUP



Joseph E. Bird, ASLA

AIA® Document G701™ – 2017

Change Order

PROJECT: *(Name and address)*
Bowden Hatchery 3 - New Facilities
Construction
Building Hatchery
Rt. 1 Box 60
Elkins, WV 26241

CONTRACT INFORMATION:
Contract For: Hatchery Facilities
Upgrades
CPO 0310 6377
DNR 2000000012

CHANGE ORDER INFORMATION:
Change Order Number: 005

Date: July 16, 2020

Date: December 27, 2021

OWNER: *(Name and address)*
WV Division of Natural Resources
Parks and Recreation - PEM Section
324 4th Ave.
South Charleston, WV 25303

ARCHITECT: *(Name and address)*
Chapman Technical Group
200 Sixth Avenue
Saint Albans, WV 25177

CONTRACTOR: *(Name and address)*
Breckenridge Corporation
PO Box 247
Buckhannon, WV 26201

THE CONTRACT IS CHANGED AS FOLLOWS:

(Insert a detailed description of the change and, if applicable, attach or reference specific exhibits. Also include agreed upon adjustments attributable to executed Construction Change Directives.)

See attachment

The original Contract Sum was	\$	6,366,000.00
The net change by previously authorized Change Orders	\$	286,041.00
The Contract Sum prior to this Change Order was	\$	6,652,041.00
The Contract Sum will be increased by this Change Order in the amount of	\$	198,393.00
The new Contract Sum including this Change Order will be	\$	6,850,434.00

The Contract Time will be increased by fifty-six (56) days.
The new date of Substantial Completion will be July 29, 2022.

NOTE: This Change Order does not include adjustments to the Contract Sum or Guaranteed Maximum Price, or the Contract Time, that have been authorized by Construction Change Directive until the cost and time have been agreed upon by both the Owner and Contractor, in which case a Change Order is executed to supersede the Construction Change Directive.

NOT VALID UNTIL SIGNED BY THE ARCHITECT, CONTRACTOR AND OWNER.

Chapman Technical Group
ARCHITECT (Firm name)


SIGNATURE

Joseph P. Bird
Senior Vice President
PRINTED NAME AND TITLE

12-27-2021
DATE


Breckenridge Corporation
CONTRACTOR (Firm name)


SIGNATURE

Keith Skelton
Project Manager
PRINTED NAME AND TITLE

1/4/22
DATE

WV Division of Natural Resources
OWNER (Firm name)


SIGNATURE

Stephen S. McDaniel
Director
PRINTED NAME AND TITLE

2/18/2022
DATE

Bowden Hatchery Improvements
Contract 3
Attachment to Change Order 5

1	COP 22	Generator relocation	\$ 4,900.00
2	COP25	Electrical receptacles for Nursery	\$ 2,979.00
3	COP26	Pump station slide gate modifications	\$ 1,600.00
4	COP27	Oxygen storage modifications required by vendor	\$ 33,980.00
5	COP 28	Replace pipe under existing raceways	\$ 9,980.00
6	COP 29	Replace 10-inch drain from Nursery	\$ 4,950.00
7	COP30	Exsiting raceway wall repairs	\$ 42,670.00
8	COP 31	Pond modifications for storm surge	\$ 60,130.00
9	COP 32	Construct walls in raceways to separate flow	\$ 17,250.00
10	COP 33	Modify trench drains for existing conduit	\$ 1,850.00
11	COP34	Modify treatment building for storm surge	\$ 18,104.00
		Total	\$ 198,393.00

BRECKENRIDGE

GENERAL CONTRACTORS

June 09, 2021

Via email

Chapman Technical Group
P.O. Box 1355
200 Sixth Avenue
St. Albans, WV 25177

Att: Mr. Joe Bird, PLA, ASLA
Re: WVDNR Bowden Fish Hatchery Improvements Contract 3
Change Order Proposal # 22 Relocate DI ST1a & Generator

Dear Mr. Bird,

As previously discussed, we are pleased to provide the following change order proposal #22 to extend DI ST1a and the Treatment Building Generator to location as depicted on drawing SK-1 received via email on 6/8/21. Please see breakdown for more information.

We propose to perform the above work for the lump sum price of **\$ 4,900.00 (Four Thousand Nine Hundred Dollars)** (Please see attached breakdown for more information).

If acceptable, please issue a change order in the above amount and add one (1) day to the contract time. This proposal only includes those items described above and included herein and doesn't include any unforeseen conditions. This change order proposal is valid for seven (14) days and subject to review thereafter.

Please call if you have any questions or need any additional information.

Sincerely,
BRECKENRIDGE CORPORATION



Eric J. Andrew
Project Manager

EJA
cc: file
attach: Cost breakdown 06/09/21 (2 pgs)



The Summit Electric Group, Inc.
436 Church St. South
Ripley, WV 26751
304-562-7000
License #WV045675

Bowden Hatchery
June 8, 2021

Relocate Treatment Building generator to East side of building

\$2,800.00

BRECKENRIDGE

GENERAL CONTRACTORS

July 8, 2021

Via email

Chapman Technical Group
P.O. Box 1355
200 Sixth Avenue
St. Albans, WV 25177

Att: Mr. Joe Bird, PLA, ASLA
Re: WVDNR Bowden Fish Hatchery Improvements Contract 3
Change Order Proposal # 25 Remove & Replace 4EA Outlets In Nursery

Dear Mr. Bird,

As previously discussed, we are pleased to provide the following change order proposal #25 to remove and replace 4EA outlets in the Nursery. This will include in use covers, boxes, rigid conduit and wiring.

We propose to perform the above work for the lump sum price of **\$2,979.00 (Two Thousand Nine Hundred Seventy-Nine Dollars)** (Please see attached breakdown for more information).

If acceptable, please issue a change order in the above amount and add one (1) day to the contract time. This proposal only includes those items described above and included herein and doesn't include any unforeseen conditions.

Please call if you have any questions or need any additional information.

Sincerely,
BRECKENRIDGE CORPORATION


Eric J. Andrew
Project Manager

EJA
cc: file
attach: Cost breakdown 07/08/21 (2 pgs)



The Summit Electric Group, Inc.
436 Church St. South
Ripley, WV 25071
304-562-7000
License #WV041675

Bowden Hatchery
June 7, 2021

Replace 4ea receptacles at Nursery

\$2,500.00

BRECKENRIDGE CORPORATION

GENERAL CONTRACTORS

September 1, 2021

Via email

Chapman Technical Group
P.O. Box 1355
200 Sixth Avenue
St. Albans, WV 25177

Att: Mr. Joe Bird, PLA, ASLA
Re: WVDNR Bowden Fish Hatchery Contract 3 - New Facilities
Change Order Proposal # 26 - Submittal 53 Comments for WACO slide gate

Dear Mr. Bird,

As per your request, we are pleased to provide the following change order proposal to cover the submittal review comments on Submittal 53 for a non standard custom height pedestal and a removable 2" square nut (see attached email dated 7/8/21 for more info)

We propose to perform the above work for the lump sum price of **\$1,600.00 (One thousand six hundred dollars)**

Please issue a change order in the above amount. This proposal only includes those items described above and included herein and doesn't include any unforeseen conditions. This proposal is good for 7 days and is subject to change after said date.

Please call if you have any questions or need any additional information.

Sincerely,
BRECKENRIDGE CORPORATION


Keith L. Skelton
Project Manager

KLS
cc: file
attach: email 7/8/21 (2 pgs)

I have attached the subject for your review and response. I look forward to receiving your comments.

Please note the Slide Gate Assembly (D-85715-B) and calculations have been revised to show 10' of head, per your comments.

Regards,
Ed

Your job will be entered into Waco's production schedule, be we will not be providing any additional equipment without a Change Order.

Please confirm receipt of this submittal.

Ed Schildtknecht
Waco Products, Inc.
410-242-1000 ext. 320

BOWDEN FISH HATCHERY NEW RACEWAYS CONT 3 COP26

SHEET NO. 1

WVDNR BOWDEN FISH HATCHERY New Facility COP26							SHT 1 OF 1
kls	DESCRIPTION	JOB TOTALS					COMMENTS
		MAT'L	LABOR	EQUIP	SUB	TOTAL	
	COP 26 Slide Gate Modif						
	Removable 2" awwa nut	192				192	
	Custom ht pedestal	856				856	
	est freight to site	250				250	
	Add labor		100			100	
	SUBTOTAL	1,098	100	0	0	1,198	
	0 % LABOR ESCALATION						
	0 % MATERIAL ESCALATION	0	0			0	
	SUBTOTAL	1,098	100	0	0	1,198	
	6 % SALES TAX ON MATERIALS	66				66	
	32 % LABOR BURDEN		32			32	
	SUBTOTAL	1,164	132	0	0	1,296	
	% PD & PL INSURANCE						
	SUBTOTAL					17	
	% BUILDERS' RISK INSURANCE					1,313	
	SUBTOTAL					62	
	PERFORMANCE BOND					1,375	
	SUBTOTAL					18	
	0 % B&O TAX					1,391	
	SUBTOTAL					0	
	15 % OVERHEAD & ADMINISTRATIVE					1,391	
	SUBTOTAL					209	
	0 % MARKUP					1,600	
	SUBTOTAL					0	
	BID TOTAL					1,600	
	Total						

COP 26 ADDL INFO P.2

Keith Skelton

From: Jim Harvey <jharvey@wacoproducts.com>
Sent: Thursday, July 8, 2021 9:52 AM
To: Edward Schildtknecht; Keith Skelton
Cc: Tom Luchini
Subject: RE: Submittal 3 for Waco Job #8053 - WV DNR Bowden State Fish Hatchery Improvements - Slide Gate

Keith,

Just to be clear, we are releasing the gate for production immediately. If you are having issues with the Owner/Engineer and want us to hold production, please let me know ASAP.

FYI, the two mods they are looking for are as follows:

- 1) Removable 2" AWWA nut your cost = \$192.00
- 2) Custom height pedestal your cost = \$656.00

Pricing includes revised submittals/IO&M for any selected options above. Pricing excludes freight

Call me with any questions.

Thanks!

Jim Harvey
Sales Manager
WACO Products, Inc.
410-242-1000 x338

From: Edward Schildtknecht
Sent: Thursday, July 08, 2021 9:22 AM
To: Keith Skelton <keith@breckenridgecorp.com>
Cc: Jim Harvey <jharvey@wacoproducts.com>; Tom Luchini <TLuchini@wacoproducts.com>
Subject: Submittal 3 for Waco Job #8053 - WV DNR Bowden State Fish Hatchery Improvements - Slide Gate

Mr. Skelton,

I have attached the subject for your review and response. I look forward to receiving your comments.

Please note the Slide Gate Assembly (D-85715-B) and calculations have been revised to show 10' of head, per your comments.

Regards,
Ed

Your job will be entered into Waco's production schedule, be we will not be providing any additional equipment without a Change Order.

BRECKENRIDGE CORPORATION

GENERAL CONTRACTORS

July 30, 2021

Via email

Chapman Technical Group
P.O. Box 1355
200 Sixth Avenue
St. Albans, WV 25177

Att: Mr. Joe Bird, PLA, ASLA
Re: WVDNR Bowden Fish Hatchery Improvements Contract 3
Change Order Proposal # 27 Air Gas Oxygen Pad Modifications

Dear Mr. Bird,

As per recent discussions and Air Gas requirements, we are pleased to provide the following change order proposal to add 22 each 6-inch pipe bollards and make the modifications to the oxygen pad as per Air Gas requirements (see attached cut sheets for more info)

We propose to perform the above work for the lump sum price of **\$33,980.00 (thirty three thousand nine hundred eighty dollars)** (please see attached breakdown for more information).

If acceptable, please issue a change order in the above amount and add one (1) week to the contract time for procurement and installation. This proposal only includes those items described above and included herein and doesn't include any unforeseen conditions. Due to unprecedented times and extreme material volatility, this change order proposal is good for fourteen (14) days and is subject to change after said date. We reserve the right to add additional costs for material price increases if incurred prior to approval/release. Please provide this change order as quickly as possible, so as not to delay the project.

Please call if you have any questions or need any additional information.

Sincerely,
BRECKENRIDGE CORPORATION


Keith L. Skelton
Project Manager

EJA

cc: file

attach: Cost breakdown 07/30/21 (2 pgs)

Air Gas email 7/28/21 w/ bollard detail (2 pgs)

Watts Ball Valve Dtl (2 pgs)

Air Gas Dwg CSA-xxxxx (1pg)

Oxygen Pad Layout 07/29/21 (1 pg)

Keith Skelton

From: BUTLER, Ryan <ryan.butler@airgas.com>
Sent: Wednesday, July 28, 2021 2:01 PM
To: Keith Skelton
Cc: CANNON, Stephen; Eric Andrew; mcdaniels721@gmail.com; Bird, Joe
Subject: Re: O2 Tank Specs
Attachments: Bollard Detail (PIP2).pdf

I've attached the standard bollard spec which Ray should've shared with you initially.

1. Do you want 6" pipe bollards as labeled on your revised dwg or 4" pipe bollards (per the std bollard detail on stf-det-01 which you sent us previously)? See attached.
2. Per our discussion, bollards are required at all approachable sides, so they will need to be on all 4 sides Correct
3. Do you want the 6' high chainlink fence between the pad and bollards as shown on the revised dwg you just sent? Or do you want the 6' h fence on top of the pad, 6" from the edge of the pad per the plan tank pad detail on stf-atm-001 (which you sent us previously). Dealers choice on the fence mounting. You can mount on the pad edge, or move it out up to 6" from the pad completely.
4. Our impression is that we are only stubbing up 1 ea – 1" pipe beside of the pad. And that you all will tie into that with your plumbing / piping from the tanks and also will be providing the valves. Is this correct? The valves act as the TOP for Airgas and Bowden. Bowden will own the valves, this provides a clean line of ownership as well as process control from the customer side.

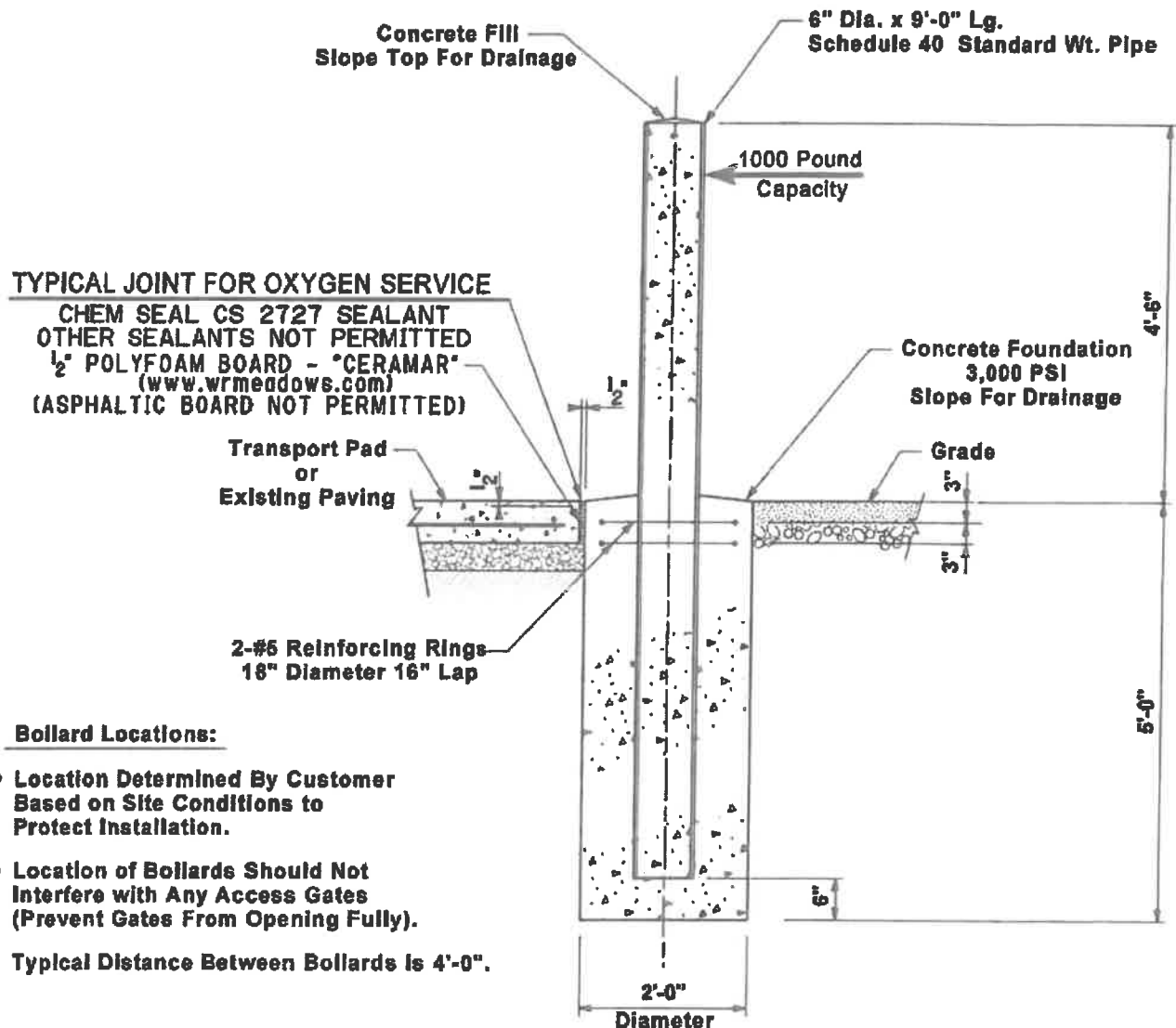
On Wed, Jul 28, 2021 at 12:34 PM Keith Skelton <keith@breckenridgecorp.com> wrote:

Thank you for the sketch.

Please clarify the following,

1. Do you want 6" pipe bollards as labeled on your revised dwg or 4" pipe bollards (per the std bollard detail on stf-det-01 which you sent us previously)?
2. Per our discussion, bollards are required at all approachable sides, so they will need to be on all 4 sides
3. Do you want the 6' high chainlink fence between the pad and bollards as shown on the revised dwg you just sent? Or do you want the 6' h fence on top of the pad, 6" from the edge of the pad per the plan tank pad detail on stf-atm-001 (which you sent us previously).
4. Our impression is that we are only stubbing up 1 ea – 1" pipe beside of the pad. And that you all will tie into that with your plumbing / piping from the tanks and also will be providing the valves. Is this correct?

Please advise, so we can begin construction



Bollard Locations:

- Location Determined By Customer Based on Site Conditions to Protect Installation.
- Location of Bollards Should Not Interfere with Any Access Gates (Prevent Gates From Opening Fully).
- Typical Distance Between Bollards Is 4'-0".

Standard Bollard Detail

Bollard Pipe Paint Specification

- Clean Surface Per SSPC- SP3 to Remove Rust and Scale**
- Primer: RUST-OLEUM Industrial Choice 340 VOC Alkyd Enamel Primer.**
- Finish Coat: RUST-OLEUM Industrial Choice 340 VOC Alkyd Enamel**
Color to be Safety Yellow (206327).
Apply Per Manufacturers Recommendations.

Issued By _____ Date _____

CONFIDENTIAL NOTICE

This document and the designs, specifications and engineering information disclosed herein are the proprietary property of the Airgas company providing it and are not to be disseminated or reproduced without the prior express written consent of such Airgas company. This proprietary document is being sent in confidence and only for consideration of the matter herein. In accepting the loan of this document, recipient agrees to keep it and the matter disclosed herein in confidence and shall not use or permit their use in any way detrimental to any Airgas companies. The Airgas companies accept no responsibility for the use of this document by any recipient, this document is only for illustrative purposes.

Standard Bollard Detail For Industrial / Commercial and Healthcare Facility Use

© 2015 Airgas

Date 7/29/15 **PIP2**

Concrete Fill
Slope Top For Drainage

6" Dia. x 9'-0" Lg.
Schedule 40 Standard Wt. Pipe

1000 Pound Capacity

TYPICAL JOINT FOR OXYGEN SERVICE

**CHEM SEAL CS 2727 SEALANT
OTHER SEALANTS NOT PERMITTED
1/2" POLYFOAM BOARD - "CERAMAR" -
(www.wrmeadows.com)
(ASPHALTIC BOARD NOT PERMITTED)**

**Transport Pad
or
Existing Paving**

2-#5 Reinforcing Rings
18" Diameter 16" Lap

**Concrete Foundation
3,000 PSI
Slope For Drainage**

Grade

Bollard Locations:

- **Location Determined By Customer Based on Site Conditions to Protect Installation.**
- **Location of Bollards Should Not Interfere with Any Access Gates (Prevent Gates From Opening Fully).**
- **Typical Distance Between Bollards Is 4'-0".**

Standard Bollard Detail

Bollard Pipe Paint Specification

- a. Clean Surface Per SSPC- SP3 to Remove Rust and Scale
 - b. Primer: RUST-OLEUM Industrial Choice 340 VOC Alkyd Enamel Primer.
 - c. Finish Coat: RUST-OLEUM Industrial Choice 340 VOC Alkyd Enamel Color to be Safety Yellow (206327).
- Apply Per Manufacturers Recommendations.

Issued By _____ Date _____

CONFIDENTIAL NOTICE

CONFIDENTIAL NOTICE
This document and the designs, specifications and engineering information disclosed hereon are the proprietary property of the Airgas company providing it and are not to be disseminated or otherwise made known prior to the expiration of the term of this Airgas company. The proprietary document is being sent in confidence and only for consideration of the matter hereon.
In accepting the loan of this document, recipient agrees to keep it and the matter disclosed hereon in confidence and shall not use or permit their use in any way detrimental to any Airgas companies. The Airgas companies accept no responsibility for the use of this document by any recipient, this document is only for illustrative purposes.

Standard Bollard Detail For Industrial / Commercial and Healthcare Facility Use

© 2015 Algor

Date 7/29/15

PIP2

For Residential and Commercial Applications

Job Name _____

Contractor _____

Job Location _____

Approval _____

Engineer _____

Contractor's P.O. No. _____

Approval _____

Representative _____

LEAD FREE

Series LFFBV-4, LFFBVS-4

2-Piece, Full Port, Brass Ball Valves

Sizes: 1/4" – 3"

Series LFFBV-4, LFFBVS-4 2-Piece, Full Port, Brass Ball Valves are suitable for a full range of liquids and gases in residential and commercial applications.

These valves feature an adjustable packing for longer service life, a bottom loaded blow-out proof stem for safety, a fluorocarbon elastomer stem O-ring to prevent stem leaking at installation, and are rated to 600psi WOG/150psi WSP 1/4"-2" and 400psi WOG/125psi WSP 2 1/2"-3". The LFFBV-4, LFFBVS-4 features Lead Free* construction to comply with Lead Free* installation requirements.

Features

- CSA approved threaded valves only 1/4" – 3"
- Certified to NSF/ANSI Standard 61/8
- Metal-to-metal adapter body seal to eliminate adapter leaks after soldering
- Fluorocarbon elastomer stem O-ring prevents stem leaks
- Adjustable stem packing gland provides longer service life
- Bottom loaded blowout proof stem
- PTFE stem packing seal and seats
- Machined chrome-plated Lead Free brass ball
- Complies with MSS-SP-110

Models

LFFBV-4 1/4" – 3" threaded end connections

LFFBVS-4 1/2" – 3" solder end connections**

Specifications

Approved valves shall be 2-piece full port design constructed of a forged Lead Free copper silicon cast alloy body and end adapter. Lead Free* 2-Piece, Full Port, Brass Ball Valves shall be constructed using Lead Free* materials. Lead Free* valves shall comply with state codes and standards, where applicable, requiring reduced lead content. Seats and stem packing shall be PTFE. Stem to be bottom-loaded, blowout proof design with a fluorocarbon elastomer O-ring to prevent stem leakage.

Valves required to have an adjustable packing gland and chrome-plated brass ball. Threaded valves 1/2" – 3" shall be CSA approved to 1/2 psig and 5 psig and certified to NSF/ANSI Standard 61/8 by NSF. Solder valves also required to be certified by NSF to NSF/ANSI Standard 61/8. Valve sizes 1/4" – 2" pressure rated to 600 psi WOG and 150 psi WSP. Valve sizes 2 1/2" – 3" pressure rated to 400 psi WOG and 125 WSP. Valves specified are Watts Series LFFBV-4 or LFFBVS-4.

Watts product specifications in U.S. customary units and metric are approximate and are provided for reference only. For precise measurements, please contact Watts Technical Service. Watts reserves the right to change or modify product design, construction, specifications, or materials without prior notice and without incurring any obligation to make such changes and modifications on Watts products previously or subsequently sold.



LFFBV-4



LFFBVS-4**

Approvals

1/4" – 3" LFFBV-4

1/2" – 3" LFFBVS-4

Certified to NSF/ANSI Standard 61-G

Domestic cold water at 73°F



Gas Approvals (Threaded Valves Only)

1/4" – 3" CSA

1/2 psig, 5 psig

@ -40°F to 125°F



Pressure — Temperature

Temperature Range: -40°F to 400°F (-40°C to 204°C)

Pressure Rating:

1/4"-2"

600psi (41.4 bar) WOG non-shock

150psi (10.3 bar) WSP

2 1/2"-3"

400psi (27.6 bar) WOG non-shock

125psi (8.6 bar) WSP

Installation Information

Apply heat with the flame directed **AWAY** from the center of the valve body. Excessive heat can harm the seats. After soldering, the packing nut may have to be tightened.

*The wetted surface of this product contacted by consumable water contains less than 0.25% of lead by weight.

**This valve is designed to be soft soldered into lines without disassembly, using a low temperature solder to 420°F (216°C). Higher temperature solders may damage the seat material.

NOTICE

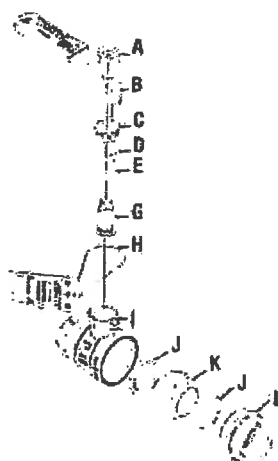
The information contained herein is not intended to replace the full product installation and safety information available or the experience of a trained product installer. You are required to thoroughly read all installation instructions and product safety information before beginning the installation of this product.

NOTICE

Inquire with governing authorities for local installation requirements

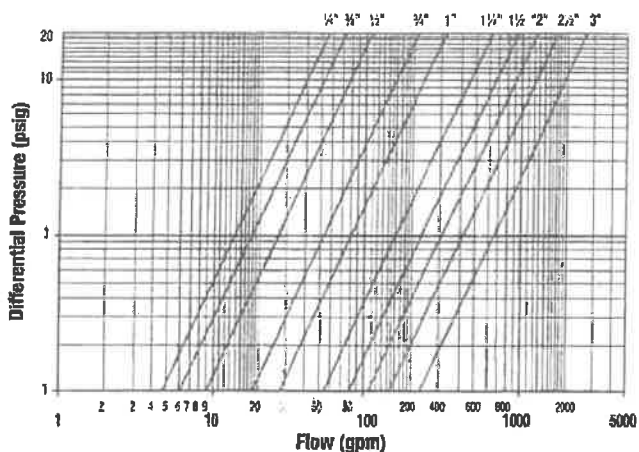
WATTS®

Materials

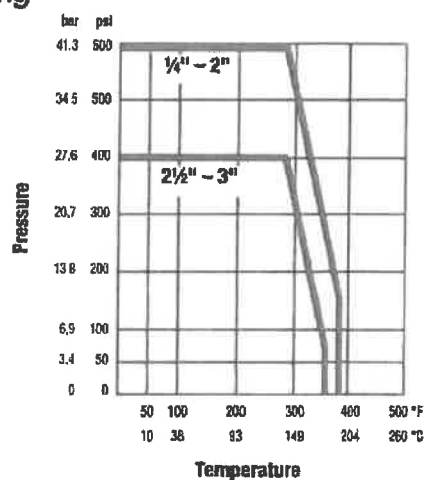


A Handle Nut	Zinc plated carbon steel
B Handle Assembly	Zinc plated carbon steel with vinyl insulator
C Packing Nut	Brass
D Stem Packing	Virgin PTFE
E O-Ring	Fluorocarbon elastomer (FKM)
G Stem	Machined Brass
H Tag	Cardboard, Mylar coated both sides
I Body	Forged Lead Free* copper silicon alloy
J Seats	Virgin PTFE
K Ball	Chrome plated Lead Free* brass
L Adaptor	Forged Lead Free* copper silicon alloy

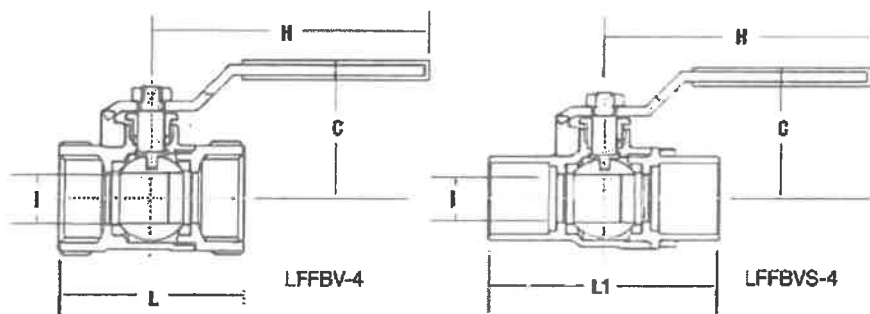
Flow Curves



Valve Seat Rating



Dimensions-Weights



SIZE		DIMENSIONS								WEIGHT				
C			H		I		L		L1		FBV-4		FBVS-4	
in.	in.	mm	in.	mm	in.	mm	in.	mm	in.	mm	lbs.	kg	lbs.	kg
¼	1⅜	46	3⅞	87	⅞	11	1¾	45	—	—	0.4	0.16	—	—
⅜	1⅜	46	3⅞	87	½	13	1¾	44.7	—	—	0.4	0.17	—	—
½	1⅜	46	3⅞	87	½	13	2	50	2⅛	53	0.4	0.18	0.4	0.16
¾	2⅛	53	3⅞	101	⅝	18	2¼	57	2⅝	67	0.6	0.27	0.5	0.24
1	2⅛	62	4¼	108	⅝	24	2⅞	71	3⅛	83	1.1	0.49	1.0	0.44
1¼	2½	64	4¾	108	⅞	31	3½	80	3⅞	93	1.5	0.68	1.4	0.64
1½	3	76	5⅞	135	1⅞	37	3¾	88	4⅞	107	2.3	1.06	2.1	0.95
2	3½	89	6	153	2	51	4½	105	5⅞	135	3.7	1.69	3.8	1.74
2½	4⅞	104	7½	188	2½	64	5⅞	134	6⅞	158	7.9	3.57	7.2	3.27
3	4½	114	7¾	197	3	76	6½	155	7¼	184	11.8	5.37	11.0	4.99

WATTS®

USA: T: (978) 689-6066 • F: (978) 975-8350 • Watts.com
 Canada: T: (905) 332-4090 • F: (905) 332-7068 • Watts.ca
 Latin America: T: (52) 81-1001-8600 • Watts.com

Switching Unit Service
120V / 15A Disconnect
Local Service
120V / 15A Duplex Outlet
1" Houseline Valve
Gas Nitrogen
Size: 1" Ball Valve
Type: Full Valve
Rating: 800 WOG
**2 Valves Required: 1 Main, 1 Redundant

30" Egress / Access Gate

Pad Edge = 3/4" Chamfering

6" Chainlink Fence w/ 3-strand barbed wire

6" Bolts @ 4" O.C. EW
Permit to install on available sides
See P12 for Bolting Detail

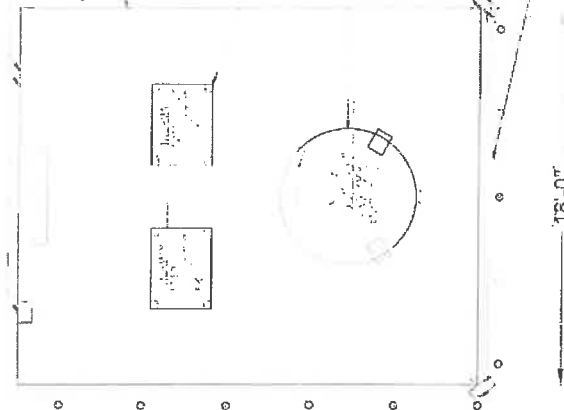
Vaporizer(s)
6,000 SCFH @ 12 Hour

1500 - 3000 Gallon Vessel
Service: Inert
MAWP: 250 PSI

Area Lighting
Recommend = 5000 lumens per fixture

60" Access / Tank Unloading Gate
Sliding or Double Gate

12" x 12" Delivery Pad
Reqd for LGS Service



Bowden Fish Hatchery

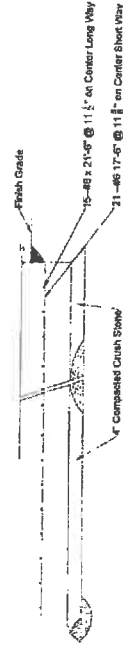
Pad Specifications

Concrete: 4000 PSI @ 28 Days
Reinforcing: ASTM A615 Grade 60
Spall Beating Capacity: 2000 PSF (min)

Pad Dimensions & Reinforcing

Tank Pad: 22'-0" x 18'-0" x 18" Thick
• Bolts: 15-48 x 21'-0" @ 11 1/2" On Center Long Way
• Bolts: 21-48 x 17'-0" @ 11 1/2" On Center Short Way

Totaled Pad: 12'-0" x 12'-0" x 6" Thick
• 44 @ 12" O.C. EW



NFPA 55 (2013) MIN. SEPARATION DISTANCES FOR STATIONARY CRYOGENIC CONTAINERS

EXPOSURE	MIN. DISTANCE (FT)
BUILDINGS, REGARDLESS OF CONSTRUCTION TYPE	1
WALL OPENINGS	1
AIR INTAKES	10
PROPERTY LINES	5
PLACES OF PUBLIC ASSEMBLY	50
NONFLAMMABLE PATENT AREA	50
COMBUSTIBLE MATERIALS	15
INCOMPATIBLE HAZARDOUS MATERIALS	20
BUILDING EXITS	10

BRECKENRIDGE

GENERAL CONTRACTORS

August 9, 2021

Via email

Chapman Technical Group
P.O. Box 1355
200 Sixth Avenue
St. Albans, WV 25177

Att: Mr. Joe Bird, PLA, ASLA
Re: WVDNR Bowden Fish Hatchery Contract 3 - New Facilities
Change Order Proposal # 28 - Replace pipe under existing raceways 10-40 in lieu of relining it

Dear Mr. Bird,

As per recent discussions, we are pleased to provide the following change order proposal for removing, disposing of, & replacing the last row of the existing 10&12" ac pipe under the existing raceways 10-40 in lieu of relining it and filling the void areas under the lower/west end of existing raceways 10-40 with concrete

We propose to perform the above work for the lump sum price of \$9,980.00 (Nine Thousand Nine Hundred Eighty dollars) (Please see attached breakdown for more information).

As discussed this work has been completed, Please issue a change order in the above amount and add one (1) week to the contract time. This proposal only includes those items described above and included herein and doesn't include any unforeseen conditions. This proposal is good for 28 days and is subject to change after said date.

Please call if you have any questions or need any additional information.

Sincerely,
BRECKENRIDGE CORPORATION


Keith L. Skelton
Project Manager

KLS
cc: file
attach: Cost breakdown 8/9/21 (3 pgs)

KLS		SHEET NAME			BOWDEN FISH HATCHERY			COP28			SHT 1 OF		
SPEC. SECT.	DESCRIPTION	QTY	UNIT	UNIT PRICE			SUB	EXTENDED PRICE			COMMENTS		
				MAT'L	LABOR	EQUIP		MAT'L	LABOR	EQUIP		SUB	TOTAL
	Replace pipe at Ex RW 10-40 in line of CIP Resin pipe												
	10" bronze raceways drain riser pipes	8.00	EA	reuse ex									
	10" sdr35 pvc	28.00	LF	12.93									
	12" sdr35 pvc	70.00	LF	19.02									
	10" pvc sdr35 90 bend	1.00	EA	203.00									
	12" x 10" pvc sdr35 reducer	1.00	EA	279.00									
	12" x 10" pvc sdr35 TEE	7.00	EA	398.00									
	12" sdr35 pvc gasketed coupling	2.00	EA	144.00									
	12" COUPLING (12.5" od - 13.35" od)	1.00	EA	205.00									
	PIPE BEDDING / STN BKFL	24.00	TN	20.00									
	CORE 18"HOLE IN " FLOOR	8.00	EA	inc below		50.00							
	LABOR TO EXCAV / REMOVE EXIST PIPE AT END OF Ex	1.00	LS	see below									
	Raceways 10-40, & reinstall new pipe inc excavating & removing concrete (concrete will be disposed of onsite)												
	LABOR TO plug ex. 12 & 18" ac pipes in 8 m h's	1.00	LS	see below									
	LABOR TO fill voids under raceways w/ concrete	1.00	LS	see below									
	concrete fill under rw's	37.00	EA	200.00									
	12" handtie plugs	6.00	EA	175.00									
	18" handtie plugs	1.00	EA	415.00									
	GROUT / speedcure	1.00	LS	600.00									
	Cut, remove & dispose of ex AC pipe in m h's & under ex raceway	1.00	LS				7,500.00						
	..ex 18" AC pipe in 1 m h												
	..ex 12" AC pipe in 6 m h												
	..ex 10 & 12" AC pipe under ex raceways 10-40												
	8/1/21 labor & equip	1.00	LS		352.00								
	..working supt 2hr, laborer 7.5hr,												
	8/2/21 labor & equip	1.00	LS		432.00								
	..working supt 2hr, laborer 10hr,												
	8/14/21 labor & equip	1.00	LS		344.00								
	..working supt 5hr, laborer 2hr,												
	8/15/21 labor & equip	1.00	LS		472.00		325.00						
	..working supt 1hr, laborer 6.5hr,												
	..oper w/ mini excav 6.5 hr												
	8/16/21 labor & equip	1.00	LS		872.00		400.00						
	..working supt 3hr, laborer 6.5hr,												
	..oper w/ 320 excav 5 hr												
	PAGE TOTAL							15,189	2,472	1,125	7,500	26,286	

BRECKENRIDGE

CORPORATION

GENERAL CONTRACTORS

August 9, 2021

Via email

Chapman Technical Group
P.O. Box 1355
200 Sixth Avenue
St. Albans, WV 25177

Att: Mr. Joe Bird, PLA, ASLA
Re: WVDNR Bowden Fish Hatchery Contract 3 - New Facilities
Change Order Proposal # 29 - Remove & reinstall ex. Nursery Drain line

Dear Mr. Bird,


As per email dated November 2, 2020, we are pleased to provide the following change order proposal for removing and reinstalling the existing 10" Nursery drain line that was not shown on the drawings and was in the way of Contract 1 & 3 piping tie-ins.

We propose to perform the above work for the lump sum price of **\$4,950.00 (Four Thousand Nine Hundred Fifty dollars)** (Please see attached breakdown for more information).

As directed, this work has been completed, Please issue a change order in the above amount and add one (1) day to the contract time. This proposal only includes those items described above and included herein and doesn't include any unforeseen conditions. This proposal is good for 28 days and is subject to change after said date.

Please call if you have any questions or need any additional information.

Sincerely,
BRECKENRIDGE CORPORATION


Keith L. Seflon
Project Manager

KLS
cc: file
attach: Cost breakdown 8/9/21 (2 pgs)

BRECKENRIDGE

GENERAL CONTRACTORS

August 11, 2021

Via email

Chapman Technical Group
P.O. Box 1355
200 Sixth Avenue
St. Albans, WV 25177

Att: Mr. Joe Bird, PLA, ASLA
Re: WVDNR Bowden Fish Hatchery Contract 3 - New Facilities
Change Order Proposal # 30 - Remove & replace concrete wall sections @ ex. Raceways 10-40

Dear Mr. Bird,

As per your request, we are pleased to provide the following change order proposal for removing and replacing 4 ea - approx 7' +/- long x 3' +/- high x 8" thick concrete wall sections at existing raceways 10-40 (see attached sketch for locations). This work will be performed according to the wall repair detail on C-108 (except we will go from top of wall to as close to the slab as we can (approx 3ft).

We propose to perform the above work for the lump sum price of **\$42,670.00 (Forty two thousand Six Hundred Seventy dollars)** (Please see attached breakdown for more information).

If acceptable, Please issue a change order in the above amount and add three (3) weeks to the contract time. This proposal only includes those items described above and included herein and doesn't include any unforeseen conditions. This proposal is good for 7 days and is subject to change after said date. Please advise as quickly as possible so we know how to proceed as we are currently in this area working.

Please call if you have any questions or need any additional information.

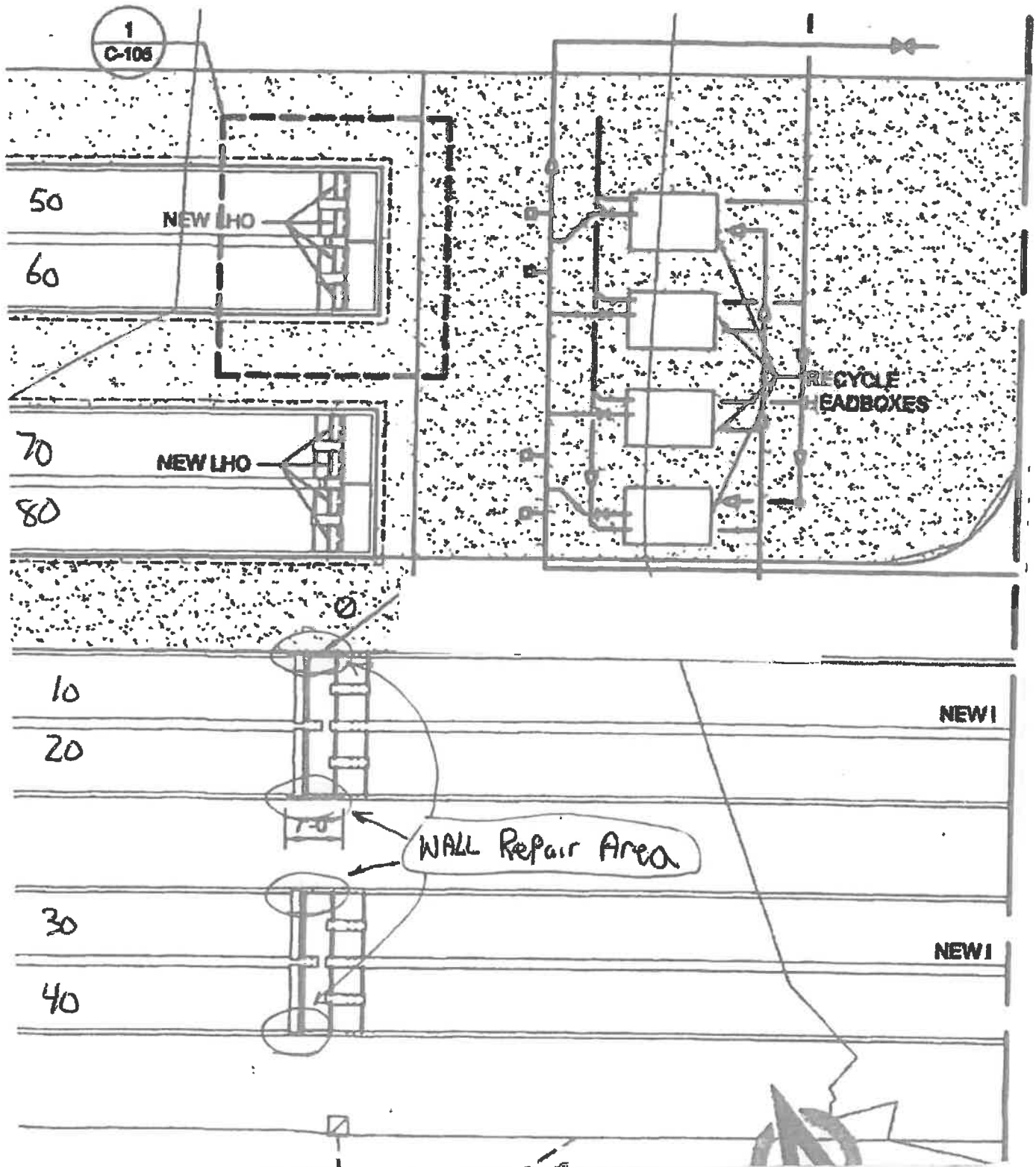
Sincerely,
BRECKENRIDGE CORPORATION



Keith L. Skelton
Project Manager

KLS
cc: file
attach: Cost breakdown 8/11/21 (2 pgs)
Location Sketch (1 pg)

COP 30
Locatn Sketch
08/11/21



BRECKENRIDGE CORPORATION

GENERAL CONTRACTORS

September 9, 2021

Via email

Chapman Technical Group
P.O. Box 1355
200 Sixth Avenue
St. Albans, WV 25177

Att: Mr. Joe Bird, PLA, ASLA
Re: WVDNR Bowden Fish Hatchery Contract 3 - New Facilities
Change Order Proposal 31 - Add Storm Drain Piping @ Ponds 1&2

Dear Mr. Bird,

As requested, we are pleased to provide the following change order proposal to add an 18" ads hdpe storm drain between Ponds 1&2 (including concrete walls at each end with 30" x 30" aluminum stop plates with surface mounted guides) and an 18" ads hdpe storm drain between pond 1 and an existing drop inlet (including a concrete wall with 30" x 30" aluminum stop plates with surface mounted guides at Pond 1). (see attached sketch for more info)

We propose to perform the above work for the lump sum price of **\$60,130.00 (Sixty Thousand One Hundred Thirty dollars)** (Please see attached breakdown for more information).

If this proposal is acceptable, Please issue a change order in the above amount and add three (3) weeks to the contract time. Please advise on this change order proposal in a timely fashion, so we know how to proceed. This proposal only includes those items described above and included herein and doesn't include any unforeseen conditions. This proposal is good for 28 days and is subject to change after said date.

Please call if you have any questions or need any additional information.

Sincerely,
BRECKENRIDGE CORPORATION



Keith L. Skelton
Project Manager

KLS

cc: file

attach: N1A stop gate cut sheet (1 pg)
Cost breakdown 09/09/21 (2 pgs)
Cop 31 Sketch 9/9/21 (1 pg)

EX. DRAP INLET
TOP 2190.56
INV 2179.75 (New 18")
INV OUT 2177.23 (EXIST)

EX. DI

5' 18" ADS HOLE
#27

CONC WALL w/ STOP GATE

INV OUT
2180.75

INV
2180.85

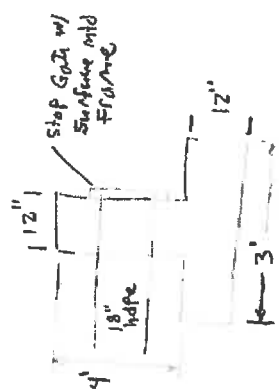
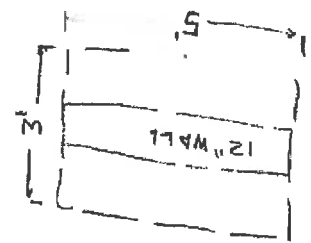
POND 1

10' 18" ADS
1 ≈ 0.5%

CONC WALL
w/ STOP GATE

INV
2181.35

POND 2



COP 31
Sketch 9/9/21



HALLIDAY PRODUCTS

www.hallidayproducts.com

Phone 800-298-1027

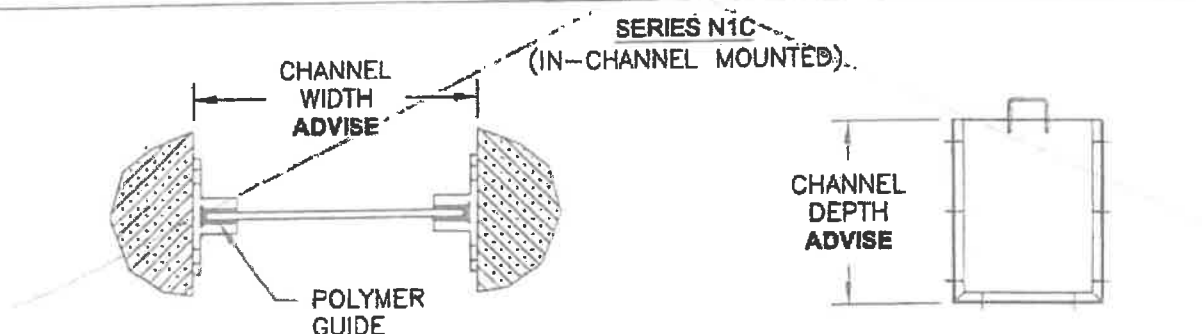
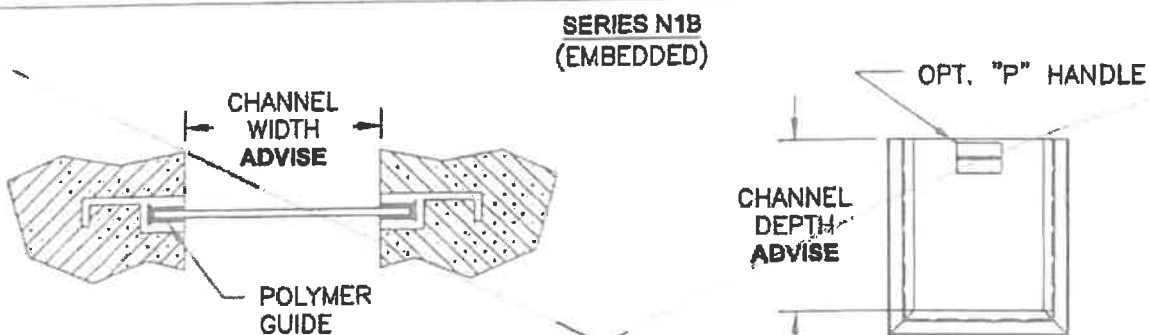
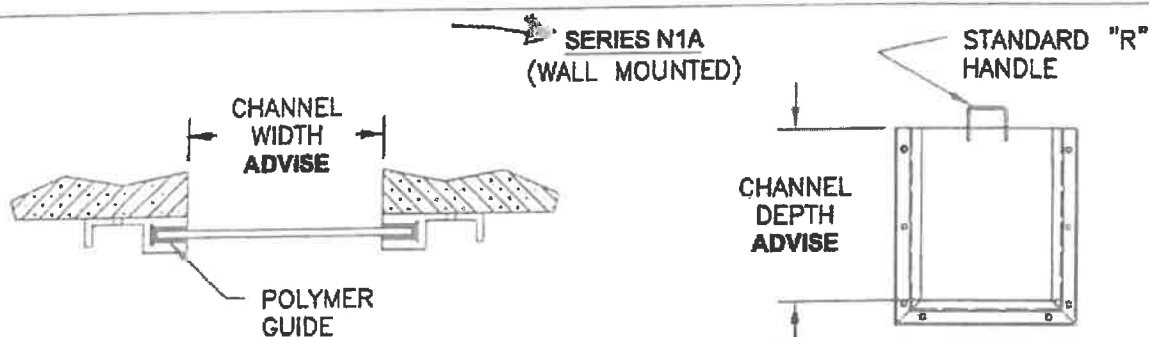
Fax: 407-298-4534

sales@hallidayproducts.com

SERIES N1 STOP GATES

STANDARD FEATURES:

- ONE-PIECE 6061-T6 EXTRUDED ALUMINUM FRAME
- ONE-PIECE, WRAP AROUND POLYMER GUIDE
- 1/4" THICK 6061-T6 ALUMINUM GATE REINFORCED TO DEFLECT NO MORE THAN 1/360th OF SPAN
- LOW COEFFICIENT OF FRICTION
- NON-OZONE DEPLETING BITUMINOUS COATING ON FRAME
- DEEP SEATING FOR OPTIMUM TRACKING
- STANDARD "R" HANDLE OR OPTIONAL "P" HANDLE
- SERIES N1A AND N1C SUPPLIED WITH Ø1/2" MOUNTING HOLES AND STAINLESS STEEL MOUNTING HARDWARE
- 3 YEAR GUARANTEE



GATE BOTTOM



STANDARD
"R" HANDLE



OPTIONAL
"P" HANDLE





BRECKENRIDGE

CORPORATION

GENERAL CONTRACTORS

September 21, 2021

Via email

Chapman Technical Group
P.O. Box 1355
200 Sixth Avenue
St. Albans, WV 25177

Att: Mr. Joe Bird, PLA, ASLA
Re: WVDNR Bowden Fish Hatchery Contract 3 - New Facilities
Change Order Proposal # 32 - Fill in 18 ea - 16" concrete wall sections @ ex. Raceways 10-40

Dear Mr. Bird,

As per your request, we are pleased to provide the following revised change order proposal to fill in 18 each openings (approx 12" long x 3' high) in the existing 16" thick concrete wall sections at existing raceways 10-40. Per your direction on 9/10/21, we have completed the work on raceways 30&40 and will perform the work on 10&20 as soon as the DNR moves the fish and allows us to work in these raceways.

We propose to perform the above work for the lump sum price of **\$17,250.00 (Seventeen Thousand two hundred fifty dollars)** (Please see attached breakdown for more information).

Please issue a change order in the above amount in a timely fashion and add three (3) weeks to the contract time. This proposal only includes those items described above and included herein and doesn't include any unforeseen conditions.

Please call if you have any questions.

Sincerely,
BRECKENRIDGE CORPORATION



Keith L. Skelton
Project Manager

KLS
cc: file
attach: Cost breakdown 9/21/21 (2 pgs)

BRECKENRIDGE

CORPORATION

GENERAL CONTRACTORS

September 9, 2021

Via email

Chapman Technical Group
P.O. Box 1355
200 Sixth Avenue
St. Albans, WV 25177

Att: Mr. Joe Bird, PLA, ASLA
Re: WVDNR Bowden Fish Hatchery Contract 3 - New Facilities
Change Order Proposal 33 - Modify storm Drain Piping @ Trench Drain

Dear Mr. Bird,

As per our discussion yesterday, we encountered a 4-inch pvc electric conduit (approx 7" deep, below the existing asphalt) in the way of one of the trench drains. We are pleased to provide the following change order proposal to modify the piping and trench drain in order to avoid the electric conduit. (see attached sketch)

We propose to perform the above work for the lump sum price of **\$1,850.00 (One Thousand Eight hundred fifty dollars)** (Please see attached breakdown for more information).

Please issue a change order in the above amount and add one (1) day to the contract time. This proposal only includes those items described above and included herein and doesn't include any unforeseen conditions. This proposal is good for 28 days and is subject to change after said date.

Please call if you have any questions or need any additional information.

Sincerely,
BRECKENRIDGE CORPORATION



Keith L. Skelton
Project Manager

KLS
cc: file
attach: Cost breakdown 09/09/21 (2 pgs)
Sketch 9/9/21 (1 pg)

RW 20

← 8" PVC

EX. 4" PVC CNF
(≈ 6.5d)

← 6" PVC

6' ±

Notch Trench
drain & F.F.
w/ CONC.

RW 30

COP 33 sketch
KLS 9/9/21



September 16, 2021

Via email

Chapman Technical Group
P.O. Box 1355
200 Sixth Avenue
St. Albans, WV 25177

Att: Mr. Joe Bird, PLA, ASLA
Re: WVDNR Bowden Fish Hatchery Contract 3 - New Facilities
Change Order Proposal 34 -Close In Door Openings Add 2EA Platforms with HR

Dear Mr. Bird,

As per our discussion, we offer this change order proposal to close in two door opening concrete walls (approx 14" high) and build two platforms with steps. Please see sketch for steps/platforms. Please note handrail lead times are 12-14 weeks after approval.

We propose to perform the above work for the lump sum price of **\$18,104.00 (Eighteen Thousand One Hundred Four Dollars)** (Please see attached breakdown for more information).

Please issue a change order in the above amount and add two (2) days to the contract time. This proposal only includes those items described above and included herein and doesn't include any unforeseen conditions. This proposal is good for 28 days and is subject to change after said date.

Please call if you have any questions or need any additional information.

Sincerely,
BRECKENRDIGE CORPORATION

Eric J. Andrew
Project Manager

EJA
cc: file
attach: Cost breakdown 09/16/21 (2 pgs)
Sketch 9/16/21 (1 pg)

Bowden Fish Hatchery Treatment Bldg Pg1.

