

CPR 001

DIFFERING SITE CONDITIONS



September 13, 2017

1133 West Columbia Drive  
Kennewick, WA 99336

Attn: Amy Jenne

Re: Coeur d'Alene Tertiary Treatment Phase 2 project  
CPR 001 – Differing Site Conditions (Chemical Center)  
Engineer's Decision

Amy,

We have reviewed your cost proposal for CPR 001 Differing Site Conditions (Chemical Center). We have found your submitted cost proposal to be acceptable.

A total cost of \$24,997.46 and a total of 0 calendar days will be included in the forthcoming final Change Order.

Sincerely,  
HDR Engineering, Inc.

A handwritten signature in blue ink, appearing to read 'Todd Jensen'.

Todd Jensen, PE, CCM  
*Construction Manager*

cc: Jim Remitz – City of Coeur d'Alene Wastewater Department  
Rickey Schultz – HDR  
Lizzy English – HDR  
Mike Soucie – HDR  
Mary Scalise – HDR





**/// BUILDING PEOPLE WHO BUILD GREAT THINGS**

**Change Proposal Request Summary**

Project: City of Coeur d'Alene Tertiary Treatment Phase 2  
 Apollo Inc.

CPR No: \_\_\_\_\_  
 Date: \_\_\_\_\_

CPR No: 1 Rev2  
 Date: 09/05/17

Description	Labor	Mat	Equip.	Subcont. Total	Supp Total	Total
Item 1	\$ 7,731.00	\$ 505.29	\$ 205.39	\$ 6,477.45	\$ 3,823.32	\$ 18,742.44
Item 2	\$ 572.98	\$ -	\$ -	\$ 2,056.67	\$ -	\$ 2,629.64
Item 3	\$ 809.32	\$ -	\$ -	\$ -	\$ 21.11	\$ 830.44
Item 4	\$ 542.48	\$ 1,929.70	\$ -	\$ -	\$ 14.15	\$ 2,486.33

**SUBTOTAL COST > \$ 24,688.85**

Insurance Premium .5% - Changed Work > \$ 123.44

Bond Premium .75% - Changed Work > \$ 185.17

**TOTAL LUMP SUM COST > \$ 24,997.46**

**Change Proposal Request**  
**Project: City of Coeur d'Alene Tertiary Treatment Phase 2**  
**Apollo Inc.**

CPR No: 1  
 Item No: 1  
 Date: 6/20/17

*Item Description: Slab poured through on top of foundation wall and slab up to 24" thick in areas*

Description	Qty	U of M	Rate	Labor	Unit	Rate	Mat	Unit	Rate	Equip.	Subcont. Total	Total
<b>APOLLO - PROJECT SUPERVISION COSTS</b>												
Project Manager	4.0	HR	\$ 90.00	\$ 360.00								\$ 360.00
Project Superintendent	8.0	HR	\$ 79.56	\$ 636.48								\$ 636.48
Yard Piping / Site Earthwork Super	23.5	HR	\$ 68.08	\$ 1,599.88								\$ 1,599.88
<b>APOLLO - CRAFT LABOR COSTS</b>												
<b>Carpenters</b>												
Foreman		HR	\$ 43.52	\$ -								\$ -
Carpenter	42.0	HR	\$ 38.37	\$ 1,611.54								\$ 1,611.54
<b>Laborers</b>												
Foreman	55.5	HR	\$ 45.31	\$ 2,514.71								\$ 2,514.71
General		HR	\$ 34.36	\$ -								\$ -
Pipelayer		HR	\$ 34.36	\$ -								\$ -
<b>APOLLO - OPERATED EQUIPMENT</b>												
<b>Excavator - CAT 303</b>												
+ Operator		HR	\$ 46.00	\$ -								\$ -
+ Operating Costs	23.5							HRLY	\$ 7.60	\$ 178.60		\$ 178.60
<b>APOLLO - MATERIAL COSTS</b>												
HD Supply	1.0				LS	\$ 263.94	\$ 263.94					\$ 263.94
HD Supply	1.0				LS	\$ 175.44	\$ 175.44					\$ 175.44
							\$ -					\$ -
Apollo - Subtotal Direct Costs >				\$ 6,722.61			\$ 439.38			\$ 178.60		\$ 7,340.59
Markup on Self-Performed Labor, Mat'l's & Equipment >	15.0%			\$ 1,008.39			\$ 65.91			\$ 26.79		\$ 1,101.09
<b>SUBCONTRACTOR COSTS</b>												
Spokane Concrete Cutting											\$ 1,405.00	\$ 1,405.00
Spokane Concrete Cutting											\$ 4,764.00	\$ 4,764.00
											\$ -	\$ -
Subtotal Subcontractors Costs >											\$ 6,169.00	\$ 6,169.00
Markup on Subcontractor Costs >	5.0%										\$ 308.45	\$ 308.45
<b>SUPPLEMENTAL COSTS</b>												
Special Consultants											\$ -	\$ -
Subsistence for Project Supervision					HR	\$ 11.25	\$ -					\$ -
Rental Equipment/Tools												
H&E Equipment					LS	\$ 1,760.80	\$ 1,760.80					\$ 1,760.80
H&E Equipment					LS	\$ 1,436.28	\$ 1,436.28					\$ 1,436.28
Western States					LS	\$ 424.56	\$ 424.56					\$ 424.56
Temporary Facilities at the Site					LS		\$ -					\$ -
Small Tools	1.0				LS	\$ 201.68	\$ 201.68					\$ 201.68
Subtotal Supplementary Costs >							\$ 3,823.32				\$ -	\$ 3,823.32
Markup on Supplementary Costs >	0.0											

<b>Contractor - Total Direct Costs w/Markup &gt;</b>	<b>\$ 18,742.44</b>
Insurance Premium .5% - Changed Work >	\$ 93.71
Bond Premium .75% - Changed Work >	\$ 140.57
<b>TOTAL LUMP SUM COST &gt;</b>	<b>\$ 18,976.72</b>

**Change Proposal Request**  
**Project: City of Coeur d'Alene Tertiary Treatment Phase 2**  
**Apollo Inc.**

**CPR No:** 1  
**Item No:** 2  
**Date:** 6/20/17

*Item Description: Reroute conduits*

Description	Qty	U of M	Rate	Labor	Unit	Rate	Mat	Unit	Rate	Equip.	Subcont. Total	Total
<b>APOLLO - PROJECT SUPERVISION COSTS</b>												
Project Manager	2.00	HR	\$ 90.00	\$ 180.00								\$ 180.00
Project Superintendent	4.00	HR	\$ 79.56	\$ 318.24								\$ 318.24
Yard Piping / Site Earthwork Super		HR	\$ 68.08	\$ -								\$ -
							\$ -					\$ -
Apollo - Subtotal Direct Costs >				\$ 498.24			\$ -			\$ -		\$ 498.24
Markup on Self-Performed Labor, Mat'ls & Equipment >	15.0%			\$ 74.74			\$ -			\$ -		\$ 74.74
<b>SUBCONTRACTOR COSTS</b>												
Mountain States Electric											\$ 1,958.73	\$ 1,958.73
											\$ -	\$ -
Subtotal Subcontractors Costs >											\$ 1,958.73	\$ 1,958.73
Markup on Subcontractor Costs >	5.0%										\$ 97.94	\$ 97.94
<b>SUPPLEMENTAL COSTS</b>												
Special Consultants											\$ -	\$ -
Subsistance for Project Supervision					HR	\$ 11.25	\$ -					\$ -
Temporary Facilities at the Site					LS		\$ -					\$ -
Small Tools	LS				LS		\$ -					\$ -
Subtotal Supplementary Costs >							\$ -				\$ -	\$ -
Markup on Supplementary Costs >	0.0%											

<b>Contractor - Total Direct Costs w/Markup &gt;</b>	<b>\$ 2,629.64</b>
Insurance Premium .5% - Changed Work >	\$ 13.15
Bond Premium .75% - Changed Work >	\$ 19.72
<b>TOTAL LUMP SUM COST &gt;</b>	<b>\$ 2,662.51</b>

Change Proposal Request  
 Project: City of Coeur d'Alene Tertiary Treatment Phase 2  
 Apollo Inc.

CPR No: 1  
 Item No: 3  
 Date: 6/20/17

*Item Description: Reroute roof drain*

Description	Qty	U of M	Rate	Labor	Unit	Rate	Mat	Unit	Rate	Equip.	Subcont. Total	Total
<b>APOLLO - PROJECT SUPERVISION COSTS</b>												
Project Manager	0.00	HR	\$ 90.00	\$ -								\$ -
Project Superintendent	2.00	HR	\$ 79.56	\$ 159.12								\$ 159.12
Yard Piping / Site Earthwork Super	8.00	HR	\$ 68.08	\$ 544.64								\$ 544.64
<b>APOLLO - MATERIAL COSTS</b>												
Roof Drain Parts	0				LS	\$ 300.00	\$ -					\$ -
							\$ -					\$ -
Apollo - Subtotal Direct Costs >				\$ 703.76			\$ -			\$ -		\$ 703.76
Markup on Self-Performed Labor, Mat'l's & Equipment >	15.0%			\$ 105.56			\$ -			\$ -		\$ 105.56
<b>SUPPLEMENTAL COSTS</b>												
Special Consultants											\$ -	\$ -
Subsistance for Project Supervision	0				HR	\$ 11.25	\$ -					\$ -
Temporary Facilities at the Site	LS				LS		\$ -					\$ -
Small Tools	LS				LS	\$ 21.11	\$ 21.11					\$ 21.11
Subtotal Supplementary Costs >							\$ 21.11				\$ -	\$ 21.11
Markup on Supplementary Costs >	0.0%											

<b>Contractor - Total Direct Costs w/Markup &gt;</b>	<b>\$ 830.44</b>
Insurance Premium .5% - Changed Work >	\$ 4.15
Bond Premium .75% - Changed Work >	\$ 6.23
<b>TOTAL LUMP SUM COST &gt;</b>	<b>\$ 840.82</b>

Change Proposal Request  
 Project: City of Coeur d'Alene Tertiary Treatment Phase 2  
 Apollo Inc.

CPR No: 1  
 Item No: 4  
 Date: 6/20/17

*Item Description: Add FRP plate at roll-up door to weather proof door opening*

Description	Qty	U of M	Rate	Labor	Unit	Rate	Mat	Unit	Rate	Equip.	Subcont. Total	Total
<b>APOLLO - PROJECT SUPERVISION COSTS</b>												
Project Manager	0.00	HR	\$ 90.00	\$ -								\$ -
Project Superintendent	4.00	HR	\$ 79.56	\$ 318.24								\$ 318.24
Yard Piping / Site Earthwork Super	0.00	HR	\$ 68.08	\$ -								\$ -
<b>APOLLO - CRAFT LABOR COSTS</b>												
<b>Carpenters</b>												
Foreman		HR	\$ 43.52	\$ -								\$ -
Carpenter	4	HR	\$ 38.37	\$ 153.48								\$ 153.48
<b>APOLLO - MATERIAL COSTS</b>												
FRP Plate Fibergrate	1				EA	\$ 1,428.00	\$ 1,428.00					\$ 1,428.00
Angle & Anchors	1				EA	\$ 250.00	\$ 250.00					\$ 250.00
Apollo - Subtotal Direct Costs >				\$ 471.72			\$ 1,678.00			\$ -		\$ 2,149.72
Markup on Self-Performed Labor, Mat'l's & Equipment >	15.0%			\$ 70.76			\$ 251.70			\$ -		\$ 322.46
<b>SUPPLEMENTAL COSTS</b>												
Special Consultants											\$ -	\$ -
Subsistance for Project Supervision					HR	\$ 11.25	\$ -					\$ -
Temporary Facilities at the Site					LS		\$ -					\$ -
Small Tools	1				LS	\$ 14.15	\$ 14.15					\$ 14.15
Subtotal Supplementary Costs >							\$ 14.15				\$ -	\$ 14.15
Markup on Supplementary Costs >	0.0%											

<b>Contractor - Total Direct Costs w/Markup &gt;</b>	<b>\$ 2,486.33</b>
Insurance Premium .5% - Changed Work >	\$ 12.43
Bond Premium .75% - Changed Work >	\$ 18.65
<b>TOTAL LUMP SUM COST &gt;</b>	<b>\$ 2,517.41</b>

# Cost Code Detail History Report

APOLLO INC

Cost Period: 01/31/17 To: 05/31/17



Job: P162 - CITY OF COEUR D' ALENE TERTIARY TREATMENT PHASE 2 IMPROVEMENTS

Transaction Date	Posted Date	Source	Batch	Cat	Description	Key	Internal Reference	External Reference	Hours
Section:									
Cost Code: 9901 - UNFORESEEN SUBSURFACE CONDITIONS CHEMICAL SYSTEMS BLDG - TBD									
04/02/17	04/05/17	PR	849	L	Employee STEBRE01	STEBRE01			34.50
04/02/17	04/05/17	PR	849	L	Employee STEBRE01	STEBRE01			1.00
04/02/17	04/05/17	PR	849	L	Employee JENCRA01	JENCRA01			18.50
04/09/17	04/12/17	PR	868	L	Employee STEBRE01	STEBRE01			15.00
04/23/17	04/26/17	PR	921	L	Employee PETTIM01	PETTIM01			4.00
04/23/17	04/26/17	PR	921	L	Employee JENCRA01	JENCRA01			5.00
04/23/17	04/26/17	PR	921	L	Employee ELWART01	ELWART01			24.00
04/30/17	05/03/17	PR	937	L	Employee STEBRE01	STEBRE01			5.00
04/30/17	05/03/17	PR	937	L	Employee ELWART01	ELWART01			10.00
04/30/17	05/17/17	PR	1004	L	Employee ELWART01	ELWART01			0.00
05/14/17	05/17/17	PR	1003	L	Employee ELWART01	ELWART01			4.00
04/09/17	06/08/17	PL	1090	O		TRU008	17050241	12695	0.00
04/10/17	05/17/17	PL	1019	R		HEE001	17040095	93182207	0.00
05/09/17	06/12/17	PL	1111	R		HEE001	17050190	93226403	0.00
03/30/17	05/17/17	PL	1019	S		SPO013	17030550	221937	0.00
03/30/17	05/17/17	PL	1019	S		SPO013	17030551	221938	0.00
									<u>121.00</u>
Section:									
Cost Code: 9901 - UNFORESEEN SUBSURFACE CONDITIONS CHEMICAL SYSTEMS BLDG - TBD									
									<u>121.00</u>
Job: P162 - CITY OF COEUR D' ALENE TERTIARY TREATMENT PHASE 2 IMPROVEMENTS									
									<u>121.00</u>
Total									
									<u>121.00</u>

**Western States**

Hayden  
10780 N Highway 95 Hayden, ID 83835  
208.762.6500

Apollo Inc  
1133 W Columbia Dr  
Kennewick, WA 98336-3472

**INVOICE**

NO.: IN000343581  
AGREEMENT NO: RC000030513

INVOICE AMOUNT: \$2,890.62  
INVOICE DATE: 5/14/2017  
INVOICE DUE DATE: 6/13/2017  
CUSTOMER: 0315740  
CUSTOMER PO: P162  
CONTRACT START: 3/20/2017  
BILLED FROM: 4/17/2017  
BILLED THROUGH: 5/14/2017

JOBSITE:  
C6/Waste Water  
Hubbard  
Hayden, ID 83835

JOBSITE CONTACT:  
Tory 509-948-2803  
PHONE: (509) 586-1104  
ORDERED BY: Tory Delapera  
WRITTEN BY: Eddie E Cunningham

QTY	DESCRIPTION	AMOUNT
1	ID NO: R13864 SERIAL NO: ME401137 304E2 Track Excavator	\$2,700.00
1	ID NO: R13230 SERIAL NO: HD141005264 24" HD BKT 4.2CFT 303-304 C/E	\$0.00
MISCELLANEOUS ITEMS		AMOUNT
2	Environmental Fee	\$27.00

SALES TAX: \$163.62  
INVOICE AMOUNT: \$2,890.62

PLEASE REMIT PAYMENT TO:  
WESTERN STATES EQUIPMENT CO.  
PO BOX 3605  
Seattle, WA 98124-3605

**Rental Rate Blue Book®**

February 14, 2017

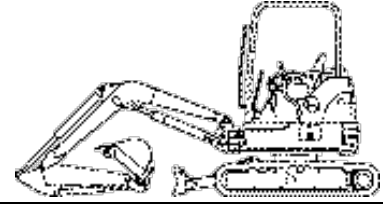
**Caterpillar 303C CR (disc. 2011)**

Crawler Mounted Compact Excavators

Size Class:

**3.1 - 4.0 MTons**

Weight:

**7,575 lbs.**

**Configuration for 303C CR (disc. 2011)**

Net Horsepower	<b>30 hp</b>	Power Mode	<b>Diesel</b>
Bucket Capacity - Heaped	<b>3.1 cu ft</b>	Operating Weight	<b>3.4 mt</b>
Operator Protection	<b>ROPS</b>		

**Blue Book Rates**
**Non-current (i.e. archived) rates: Jul 1, 2007 - Jul 1, 2008**

\*\* FHWA Rate is equal to the monthly ownership cost divided by 176 plus the hourly estimated operating cost.

	Ownership Costs				Estimated Operating Costs	FHWA Rate**
	Monthly	Weekly	Daily	Hourly	Hourly	Hourly
Published Rates	\$1,565.00	\$440.00	\$110.00	\$17.00	\$7.60	\$16.49
<b>Adjustments</b>						
Region (Idaho: 91.1%)	(\$139.28)	(\$39.16)	(\$9.79)	(\$1.51)		
Model Year (2007: 100%)	-	-	-	-		
Ownership (100%)	-	-	-	-		
Operating (100%)					-	
<b>Total:</b>	<b>\$1,425.72</b>	<b>\$400.84</b>	<b>\$100.21</b>	<b>\$15.49</b>	<b>\$7.60</b>	<b>\$15.70</b>

**Rate Element Allocation**

Element	Percentage	Value
Depreciation (ownership)	42%	\$657.30/mo
Overhaul (ownership)	31%	\$485.15/mo
CFC (ownership)	15%	\$234.75/mo
Indirect (ownership)	12%	\$187.80/mo
Fuel (operating) @ 2.69	39%	\$2.99/hr

Revised Date: 2nd Half 2007

The equipment represented in this report has been exclusively prepared for AMY JENNE (AMYJ@APOLLO-GC.COM)



**H&E Equipment Services, Inc.**  
**3940 E 16th Ave**  
**Post Falls ID 83854**  
**Phone (208) 457-0020**  
**Fax (208) 773-4030**

**Regional Credit Office**  
**Phone (844)660-9400**  
**Fax (702)320-6584**

# Invoice

000596



\*\*\*AUTO\*\*MIXED AADC 280 596 T2.6 596 1 MB 0.420  
 APOLLO INC  
 PO BOX 7305  
 KENNEWICK WA 99336-0617

**Ship-To-Party**  
 APOLLO INC  
 1080 Hubbard Ave  
 Coeur d'Alene ID 83814  
 USA

Information		Date
Invoice No.	93226403	05/09/2017
Customer No.	1036170	
Customer PO No.	Kevin	
Currency	USD	
Term of Payment	Net due in 30 days	
Project Name	City of CDA WWTP	
Rental Reference No.	41733618	
Contract Number	20016792	
Rental Dates	04-21-2017 to 04-28-2017	
Reference No.	93226403	
Contact Name	Kevin	
Contact No.	509-947-4607	

Item Year	Material Equipment	Description Serial	Quantity Make	Unit Price Model	Amount
1 2014	EQUIP_RENT 10219715	Equipment Rental 11064	1 EA ZZ- MISCELLANEOUS	145.00 APT M26	145.00
38/Daily;107/Weekly;230/Monthly					
2 2015	EQUIP_RENT 10219716	Equipment Rental 11886	1 EA ZZ- MISCELLANEOUS	145.00 CP41	145.00
38/Daily;107/Weekly;230/Monthly					
3	ENVIRONPRCT	Environmental Percentage	1 EA	4.35	4.35
4	MISCRENTCHRG	Misc. Rental	1 EA	25.00	25.00

**APOLLO, INC.**

**MAY 15 2017**

**RECEIVED**


**THANK YOU FOR YOUR BUSINESS**  
*Please See Reverse Side for Terms & Conditions*

H&E Equipment Services, Inc.  
 3940 E 16th Ave  
 Post Falls ID 83854  
 Phone (208) 457-0020  
 Fax (208) 773-4030

Regional Credit Office  
 Phone (844)660-9400  
 Fax (702)320-6584

## Invoice

000596



\*\*\*AUTO\*\*MIXED AADC 280 596 T2:6 596 1 MB 0.420  
 APOLLO INC  
 PO BOX 7305  
 KENNEWICK WA 99336-0617

Information			
Invoice No.	93226403	Date	05/09/2017
Customer No.	1036170		
Customer PO No.	Kevin		

Item Year	Material Equipment	Description Serial	Quantity Make	Unit Price Model	Amount
		Charge			
	Resharpen Chisels 2 @ \$12.50 ea				
5	MISCRENTCHRG	Misc. Rental Charge	1 EA	137.50	137.50
	Resharpen Bushing 5 heads @ \$27.50 ea				
6	MISCRENTCHRG	Misc. Rental Charge	1 EA	10.00	10.00
4	Chipper Springs				
7	11970	185 CFM AIR COMPRESSOR	1 EA	875.00	875.00

**THANK YOU FOR YOUR BUSINESS**  
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**H&E EQUIPMENT SERVICES.**

Page 3 of 3

H&E Equipment Services, Inc.  
 3940 E 16th Ave  
 Post Falls ID 83854  
 Phone (208) 457-0020  
 Fax (208) 773-4030

Regional Credit Office  
 Phone (844)660-9400  
 Fax (702)320-6584

# Invoice

000596



\*\*\*AUTO\*\*MIXED AADC 280 596 T2:6 596 1 MB 0.420  
 APOLLO INC  
 PO BOX 7305  
 KENNEWICK WA 99336-0617


**Information**

Invoice No. 93226403 Date 05/09/2017  
 Customer No. 1036170  
 Customer PO No. Kevin

Item Year	Material Equipment	Description Serial	Quantity Make	Unit Price Model	Amount
2014	10138334	HOP045275	AO-ATLAS COPCO	XAS185	
	130/Daily;485/Weekly;1050/Monthly				
8	ENVIRONPRCT	Environmental Percentage	1 EA	13.13	13.13
<b>PLEASE REMIT TO:</b> H&E EQUIPMENT EXCHANGE LLC P.O. Box 849850 Dallas TX 75284			<b>Subtotal</b>		1,354.98
			<b>Tax</b>		81.30
			<b>Total Amount</b>		1,436.28

Tax includes all applicable state, local, and miscellaneous surcharges.

We Rent Reliably!

**THANK YOU FOR YOUR BUSINESS**  
 Please See Reverse Side for Terms & Conditions

H&E Equipment Services, Inc.  
 3940 E 16th Ave  
 Post Falls ID 83854  
 Phone (208) 457-0020  
 Fax (208) 773-4030

Regional Credit Office  
 Phone (844)660-9400  
 Fax (702)320-6584

**Invoice**

003388



\*\*\*\*\*MIXED ADC 280 388 T5.8 388 1 FP 0.453  
 APOLLO INC  
 PO BOX 7305  
 KENNEWICK WA 99336-0617

**Information**

Invoice No. 93182207 Date 04/10/2017  
 Customer No. 1036170  
 Customer PO No. P162  
 Currency USD  
 Term of Payment Net due in 30 days  
 Project Name City of CDA WWTP

Rental Reference No. 41702178  
 Contract Number 20016570  
 Rental Dates 03-28-2017 to 04-07-2017  
 Reference No. 93182207  
 Contact Name Kevin  
 Contact No. 509-947-4607

**Ship-To-Party**

APOLLO INC  
 1080 Hubbard Ave  
 Coeur d'Alene ID 83814  
 USA

Item Year	Material Equipment	Description Serial	Quantity Make	Unit Price Model	Amount
1	16529	185 CFM AIR COMPRESSOR	1 EA	875.00	875.00
2014	10157054	201410150070	SA-SULLAIR	185DPQ	
		130/Daily;485/Weekly;1050/Monthly			
2	EQUIP_RENT	Equipment Rental	1 EA	350.00	350.00
2015	10217543	1407124	AH-AMERICAN	APT M1133	
		60/Daily;175/Weekly;410/Monthly			
3	EQUIP_RENT	Equipment Rental	1 EA	350.00	350.00
2015	10217544	1206052	AH-AMERICAN	ABT M1133	
		60/Daily;175/Weekly;410/Monthly			
4	ENVIRONPRCT	Environmental Percentage	1 EA	23.63	23.63

APOLLO, INC.  
 APR 17 2017  
 RECEIVED

**THANK YOU FOR YOUR BUSINESS**  
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**H&E EQUIPMENT SERVICES.**

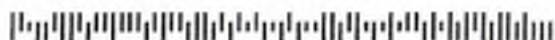
Page 2 of 2

H&E Equipment Services, Inc.  
 3940 E 16th Ave  
 Post Falls ID 83854  
 Phone (208) 457-0020  
 Fax (208) 773-4030

Regional Credit Office  
 Phone (844)660-9400  
 Fax (702)320-6584

# Invoice

000388



\*\*\*\*\*MIXED ADC 280 388 T5:8 388 1 FP 0.453



APOLLO INC  
 PO BOX 7305  
 KENNEWICK WA 99336-0617

Information			
Invoice No.	93182207	Date	04/10/2017
Customer No.			1036170
Customer PO No.	P162		

Item Year	Material Equipment	Description Serial	Quantity Make	Unit Price Model	Amount
5	MISCRENTCHRG	Misc. Rental Charge	1 EA	62.50	62.50
Re-sharpen bits					
<b>PLEASE REMIT TO:</b> H&E EQUIPMENT EXCHANGE LLC P.O. Box 849850 Dallas TX 75284					<b>Subtotal</b> 1,661.13  <b>Tax</b> 99.67  <b>Total Amount</b> 1,760.80

APOLLO, INC.  
 APR 17 2017  
 RECEIVED

Tax includes all applicable state, local, and miscellaneous surcharges.

We Rent Reliability!

**THANK YOU FOR YOUR BUSINESS**  
 Please See Reverse Side for Terms & Conditions

BRANCH ADDRESS  
047 - SPOKANE  
(509) 535-5223  
3825 EAST TRENT AVE.  
SPOKANE WA 99202  
SPOKANE

INVOICE NUMBER
50006126017
INVOICE DATE
04/27/2017
CUSTOMER PO NUMBER
P-162

ENROLLMENT TOKEN: SKX DVB KFF

SOLD TO: 9091000

TERRITORY:

SHIP TO: 10001352187

PLEASE REMIT PAYMENT TO:

HDS WHITE CAP CONST SUPPLY  
P.O. BOX 6040  
CYPRESS, CA 90630-0040

APOLLO INC  
PO BOX 7305  
KENNEWICK WA 99336-0617

WWTP  
765 W HUBBARD AVE  
COEUR D' ALENE ID 83814

ORDER DATE	ORDER NO.	ORDERED BY	ACCOUNT MANAGER	TAKEN BY				
04/27/2017	24267413	KEVIN BURKE	MULLEN, JOSEPH J	DITURI, MICHAEL A				
BRANCH	ACCT JOB NO.	TERMS	SHIP VIA / ROUTING	CUSTOMER JOB NO.				
047	10001352187	NET 30 DAYS	6. OUR TRUCK MULTIPLE DELIVERY	WWTP				
LINE	PART NUMBER	DESCRIPTION	QTY ORD	UNIT PRICE	QTY BKO	QTY SHP	EXTENDED PRICE	TAX AMT
0	HDRDESC	..... DELIVERY TAG#: 6978604 .....	1	0	0	1	0.00	
3	43818830	.39CF NON-SAG MORTAR WITH CORROSION INHIBITOR KIT (1 BAG + 1 GALLON) SIKATOP 123 SIKA	3	52.24 KIT	0	3	156.72	9.4
5	162B80009	1/4"X4"X6" SDS PLUS ROTARY HAMMER DRILL BIT HAWERA	1	4.49 EA	0	1	4.49	0.2
6	162B80002	3/16"X4"X6" SDS PLUS ROTARY HAMMER DRILL BIT HAWERA	1	4.29 EA	0	1	4.29	0.2

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For questions regarding this invoice please call 1-800-WHITECAP  
(1-800-944-8322).

NO REFUNDS OR EXCHANGES ON NON STOCK MERCHANDISE  
Visit [http://whitecap.com/misc/terms\\_and\\_conditions.pdf](http://whitecap.com/misc/terms_and_conditions.pdf) to view complete terms and conditions.

TOTAL GROSS	165.50
TOTAL TAX	9.94
TOTAL SHIPPING AND HANDLING	0.0
TOTAL INVOICE	175.44

RECEIVED BY: KEVIN BURKE

SIGNATURE COPY ON FILE

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# SUPPLY

CONSTRUCTION & INDUSTRIAL

**WHITE CAP**

HD Supply Construction Supply, Ltd.  
501 W. Church Street, Orlando, FL 32805-2247

# INVOICE

**BRANCH ADDRESS**

047 - SPOKANE  
(509) 535-5223  
3825 EAST TRENT AVE.  
SPOKANE WA 99202  
SPOKANE

INVOICE NUMBER
50006135835
INVOICE DATE
05/01/2017
CUSTOMER PO NUMBER
P-162

ENROLLMENT TOKEN: SKX DVB KFF

SOLD TO: 9091000

TERRITORY:  
SHIP TO: 10001352187

PLEASE REMIT PAYMENT TO:  
HDS WHITE CAP CONST SUPPLY  
P.O. BOX 6040  
CYPRESS, CA 90630-0040

APOLLO INC  
PO BOX 7305  
KENNEWICK WA 99336-0617

WWTP  
765 W HUBBARD AVE  
COEUR D'ALENE ID 83814

ORDER DATE	ORDER NO.	ORDERED BY	ACCOUNT MANAGER	TAKEN BY
04/27/2017	24267413	KEVIN BURKE	MULLEN, JOSEPH J	DITURI, MICHAEL A
BRANCH	ACCT JOB NO.	TERMS	SHIP VIA / ROUTING	CUSTOMER JOB NO.
047	10001352187	NET 30 DAYS	6. OUR TRUCK MULTIPLE DELIVERY	WWTP

LINE	PART NUMBER	DESCRIPTION	QTY ORD	UNIT PRICE	QTY BKO	QTY SHP	EXTENDED PRICE	TAX AMT
0	HDRDESC	..... DELIVERY TAG#: 6992453 .....	1	0	0	1	0.00	
1	162B80002B25	3/16"X4"X6" SDS PLUS ROTARY HAMMER DRILL BIT 25/PK HAWERA	1	56.00 EA	0	1	56.00	3.3
2	162B80009B25	1/4"X4"X6" SDS PLUS ROTARY HAMMER DRILL BIT 25/PK HAWERA	1	58.00 EA	0	1	58.00	3.4
4	619THHFWJ01	1 GAL TAMMSWELD BONDING AGENT EUCLID	6	22.50 GAL	0	6	135.00	8.1

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Please take a quick 5 minute survey at <http://www.WhiteCap.com/ro-survey> or typing in your browser. Thank you for your feedback and we look forward to hearing from you!

For questions regarding this invoice please call 1-800-WHITECAP  
(1-800-944-8322).

NO REFUNDS OR EXCHANGES ON NON STOCK MERCHANDISE  
Visit [http://whitecap.com/misc/terms\\_and\\_conditions.pdf](http://whitecap.com/misc/terms_and_conditions.pdf) to view complete terms and conditions.

TOTAL GROSS	249.00
TOTAL TAX	14.94
TOTAL SHIPPING AND HANDLING	0.0
TOTAL INVOICE	263.94

RECEIVED BY: KEVIN BURKE SIGNATURE COPY ON FILE

Please verify that the remit to address you are using agrees to the address shown at the top of this invoice.



Post Office Box 6227 • Spokane, Washington 99217-0904 • (509) 489-0900 • Fax (509) 489-0959

Apollo Inc.  
P.O. Box 7305  
Kennewick, WA. 99336

Date: 3/30/2017  
Invoice # 221937  
P.O. No. P-162

Location/Jobsite: W.W.T.P  
765 W. Hubbard

Terms: Due on receipt

Item	Description	Qty	Rate	Amount
MH	Hourly Rate Operator & Equipment	38.5	69.00	2,656.50
HSC	Hand Sawing Concrete	1,686	1.25	2,107.50

---

Subtotal	\$4,764.00
Sales Tax (0.0%)	<u>\$0.00</u>
Balance Due	\$4,764.00





Post Office Box 6227 • Spokane, Washington 99217-0504 • (509) 489-0900 • Fax (509) 489-0959

Apollo Inc.  
P.O. Box 7305  
Kennewick, WA. 99336

Date: 3/30/2017  
Invoice # 221938  
P.O. No. P-162

Location/Job site: W.W.T.P.  
C d'A, ID

Terms: Due on receipt

Item	Description	Qty	Rate	Amount
MH	Hourly Rate Operator & Equipment	5	69.00	345.00
HSC	Hand Sawing Concrete	848	1.25	1,060.00

APOLLO, INC.  
APR 05 2017  
RECEIVED

Subtotal	\$1,405.00
Sales Tax (0.0%)	\$0.00
<b>Balance Due</b>	<b>\$1,405.00</b>



**TIME and MATERIAL COST**

REVISED

Request No: 1

To: APOLLO  
 Job #: 17-010  
 Regarding: CPR # 1  
 Attention: AMY JENNY / KEVIN BURKE

Date Of Proposal: 9/6/2017

Job Name: CDA TERITARY TREATMENT PHASE 2

Work To Be Done:

Per Request - T&M cost for CPR # 1 work. Remove and Reinstall existng underground conduit for excavation

**LABOR CLASSIFICATION**

CLASSIFICATION	RATES			HOURS			EXTENDED
	STRAIGHT	OVERTIME	DBL TIME	STRAIGHT	OVERTIME	DOUBLE TIME	
FOREMAN	\$ 70.99	\$ 95.14	\$ 119.29	7.00			\$ 496.93
JOURNEYMAN	\$ 66.50	\$ 88.47	\$ 110.40	14.00			\$ 931.00
APPRENTICE	\$ 41.14	\$ 64.50	\$ 90.55	8.50			\$ 349.69
PROJECT MANAGER	\$ 85.00			1.00			\$ 85.00
<b>LABOR SUB TOTAL</b>							<b>\$ 1,862.62</b>

**EQUIPMENT**

COST + 15%	RATES				QUANTITY	EXTENDED
	HOUR	DAY	WEEK	MONTH		
<b>TOOL SUB TOTAL</b>						<b>\$ -</b>

**MATERIAL**

COST + 15%	EXTENDED	
Stoneway Electric	\$ 39.81	
MSEC Stock	\$ 43.76	
<b>MATERIAL SUB TOTAL</b>		<b>\$ 96.11</b>

**SUB-CONTRACTOR**

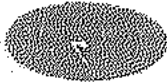
COST + 5%	EXTENDED	
<b>SUB-CONTRACTOR SUB TOTAL</b>		<b>\$ -</b>

**Total Proposed Change Order price: \$ 1,958.73**

Submitted By: DAVE PERRINS, Project Manager Date: 9/6/2017

Approved By: \_\_\_\_\_ Date: \_\_\_\_\_

Title: \_\_\_\_\_



**STONEWAY ELECTRIC SUPPLY**  
WHOLESALE DISTRIBUTOR



STONEWAY ELECTRIC  
402 NORTH PERRY ST  
SPOKANE WA 99202-2921  
509-535-2933 Fax 509-534-4612

# INVOICE

INVOICE DATE	INVOICE NUMBER
04/03/17	S101975619 001
REMIT TO:	PAGE NO.
Stoneway Electric Supply P.O. Box 4037 Spokane, WA 99220-0037 509-541-1408	1 of 1

BILL TO:

SHIP TO:

MOUNTAIN STATES ELECTRIC  
PO BOX 4325  
SPOKANE WA 99220-0325

MOUNTAIN STATES 17-010/CDA WWTP #0  
765 W HURSTARD AVE  
CDA WWTP PHO 17-010  
COEUR D'ALENE ID 83814

CUSTOMER NUMBER		CUSTOMER PO NUMBER		JOB NAME / RELEASE NUMBER		SALESPERSON			
4774		17-010		CDA WWTP PHO		DAN KECK			
WRITER		SHIP VIA		TERMS		SHIP DATE		ORDER DATE	
JASON BAKIE		WILL CALL		PA 10In Due 26th		04-03-17		04-03-17	
ORDER QTY	SHIP QTY	DESCRIPTION				UNIT PRICE	EXT PRICE		
6ea	6ea	CARLON E940H 1-1/2IN COND COUPLING				33.697c	2.02		
2ea	2ea	CARLON UASAH 1-1/2IN 90D EL PVC				106.974c	2.14		
80ea	80ea	1-1/2IN PVC SCHEDULE 40 CONDUIT				44.658c	35.69		



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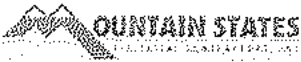
If paid by 05/10/17 you may deduct \$0.78  
Invoice is due by 05/25/17 net of any cash discount.

BY SIGNING THIS INVOICE, YOU AGREE TO THE FOLLOWING: THIS STONEWAY INVOICE NUMBER AND DATE MUST BE SHOWN ON ALL RETURNS. ALL RETURNS MUST BE RETURNED TO STONEWAY WITHIN 90 DAYS OF THE INVOICE DATE. RETURNS MUST BE MADE ON NON-STOCKING ITEMS OR INSTALLED ITEMS. RETURNS MUST BE MADE WITHIN 30 DAYS OF INVOICE DATE.

*[Signature]*

Subtotal	39.81
S&H Charges	0.00
Tax	0.00
Payments	0.00
Amount Due	39.81

ACCOUNTS PAST DUE ARE SUBJECT TO A SERVICE CHARGE OF 1-1/2% PER MONTH



**MATERIAL TRANSFER FORM**

P.O. BOX 4325, SPOKANE, WA 89202  
 (509) 532-0110 FAX (509) 532-0113

1

JOB NAME: CdA WWTP

JOB NUMBER: 17-010

CUSTOMER \_\_\_\_\_

TRANSFERRED TO JOB: 17-010

CO # 1

RETURNED TO SHOP \_\_\_\_\_

QUANTITY				ITEM DESCRIPTION	UNIT PRICE			
FROM STOCK	TO STOCK	FROM JOB#	TO JOB#					
6			6	1-1/2" PVC Conduit schedule 40 10'	\$ 4.75	\$	38.00	
6			6	1-1/2" PVC coupling	\$ 0.41	\$	2.46	
2			2	1-1/2" PVC 90 degree elbow	\$ 1.65	\$	3.30	
						\$	-	
						\$	-	
						\$	-	
						\$	-	
						\$	-	
						\$	-	
				TOTAL		\$	43.76	

DATE REQUESTED: 4/4/2017

BY: Brian Stowers

DATE SHIPPED: 4/3/2017

BY: Brian Stowers

DATE RECEIVED: 4/4/2017

BY: Brian Stowers



### Change Order Form

Project: <u>City of Coeur D'Alene WWTP Phase 2</u>	
City: <u>Coeur D'Alene</u>	State: <u>ID</u>
Work Order No.: <u>72*315</u>	PO No.: <u>P1620016</u>

Contact: <u>Justin Boles</u>	Email: <u><a href="mailto:jboles@fibergrate.com">jboles@fibergrate.com</a></u>
Phone: <u>(254)977-1397</u>	Fax: <u>(254)977-1318</u>

Attention: <u>Amy Jenne</u>	Phone: <u>509-987-1417</u>
Company: <u>Apollo Inc</u>	Email: <u>Amy.jenne@apollo-gc.com</u>

Action Requested: <u>Approval</u>	Other: _____
Probable Effect: <u>Increase Price:</u>	Value: <u>\$1427.32</u>

**Reference:**

See Below.
Spec. Section:
Addenda:

**Description of Change:** Change Order #1 is for the additional cost to add a 4" strip of FRP plate to the grating edge as requested at the door opening. See engineering sketch attached for design. This change order includes all labor, material, and drafting cost associated with this change. Please sign and return to Fibergrate at your earliest convenience.

Original Contract Amount: \$81700.00  
Change Order #1 Deduct: \$1427.32  
Revised Contract Amount: \$83127.32

**Other Comments:** \_\_\_\_\_

\_\_\_\_\_  
Approved By

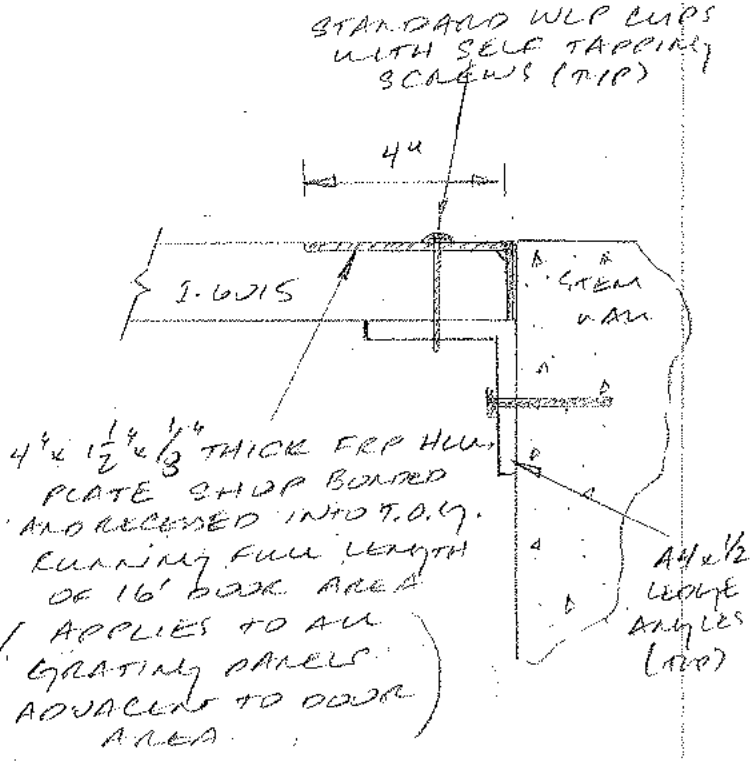
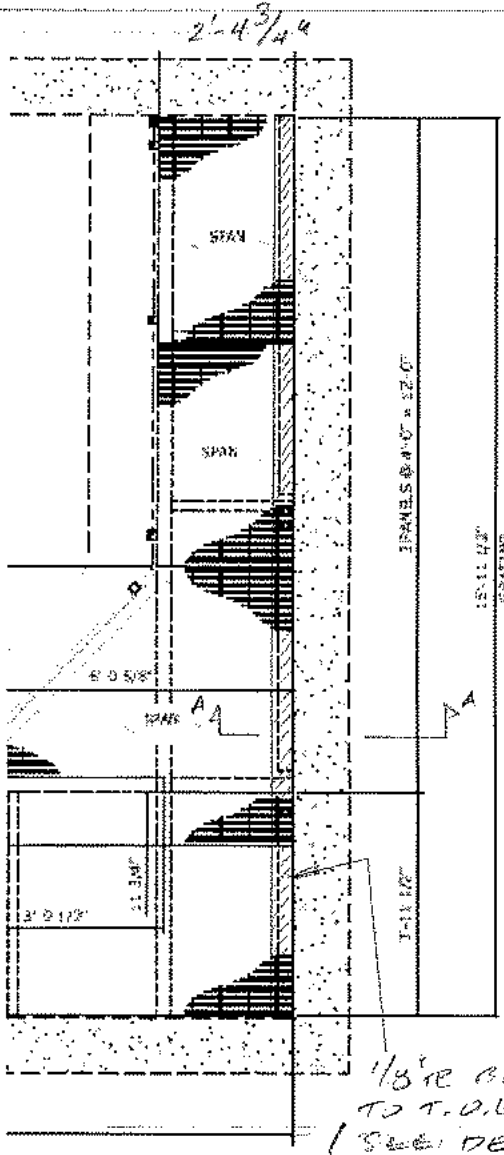
\_\_\_\_\_  
Company

\_\_\_\_\_  
Date

ACQUIN INC.

## Roll-up Door Modifications

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35



DET - A-A  
SECTION VIEW  
RM ROLL-UP  
DOOR.

- 4" x 1 1/2" x 1/8" HLU PLATES CAN BE MADE FROM TREAD COVER
- LEAD ANGLE ARE BEING CHANGED TO 45° FOR AREA IN QUESTION.
- INCLUDE LABOR FOR ROUTING / FITTING OF HLU PLATE AND 1.6215



Change Proposal Request No: 001

(Not a Change Order)

**Project Name:**

CDA Tertiary Phase 2 Improvements

**Project Owner:**

City of Coeur d'Alene, Idaho

**HDR Project No:**

10026247

**Owner's Project No. (If applicable):**

**Contractor:**

Apollo, Inc.

**Regulatory Agency Project No. (If applicable):**

**Initiated by:** Contractor

**Date:** 03-23-2017

**Attention:**

The following change in the contract on this project is proposed. Please provide your proposed price for the cost of this change.

- 1) A breakdown of cost SHALL be provided upon request by the Owner or Engineer.
- 2) Work shall not commence until authorized by the Owner.

**Description of Proposed Change:**

Work associated with addressing differing subsurface or physical conditions in the Chemical Systems Center Building as memorialized in Engineer's Review of Contractor's Notice of Differing Site Conditions dated April 6, 2017(attached).

**File Attachments:**

- Contractor's Notice of Differing Site Conditions – Chemical Systems Area
- Engineer's Response to Contractor's Notice of Differing Site Conditions – Chemical Systems Area
- Owner's Response to Contractor's Notice of Differing Site Conditions – Chemical Systems Area

TODD JENSEN, PE, CCM

By

All work shall be in accordance with the terms, stipulations, and conditions of the original Contract Documents. If the work herein provided for is Approved by Change Order, the time of completion will be:

Increased     Decreased     Unchanged

by \_\_\_\_\_ calendar days.

This change will:  Add     Deduct     Not Change

**HDR Recommendation:**

- Recommend Acceptance
- Do Not Recommend Acceptance

By: HDR Engineering

Date

**Owner's Action:**

- Accepted     Not Accepted

By: Owner

Date

## Jensen, Todd

---

**From:** Amy Jenne <amy.jenne@apollo-gc.com>  
**Sent:** Wednesday, March 22, 2017 2:32 PM  
**To:** Jensen, Todd  
**Cc:** REMITZ, JIM (JREMITZ@cdaid.org); Kevin Burke  
**Subject:** CDA Tertiary Notice of Differing Subsurface Conditions  
**Attachments:** ChemicalCenterDifferingSubsurfaceConditions.JPG

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

Todd,

Attached is a photo of the differing subsurface conditions discovered by Apollo this week during the demolition and excavation of the Chemical Services area. You will see in the photo we have listed four (4) items differing from the information provided in the contract documents as follows:

1. Slab poured through on top of foundation wall instead of up to foundation wall with joint as shown in contract docs.
2. Slab up to 24" in areas instead of 10" shown in contract docs.
3. Conduit installed near top of footing not shown in contract docs.
4. Roof drain reroute not shown in contract docs.

This email shall service as notice as required in General Conditions 5.4. Please advise if you wish this notice be uploaded to project tracker. It is our understanding we are proceeding with changed work as discussed in the field and a CPR is forthcoming from HDR.

Thank you.

*Amy Jenne*

Vice President  
Apollo, Inc.  
1-509-987-1417 direct phone



....Building People Who Build Great Things

1133 W Columbia Dr Kennewick WA 99336  
(509) 586-1104 www.apollo-gc.com



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April 6, 2017

City of Coeur d'Alene Wastewater Department  
710 E. Mullan Ave  
Coeur d'Alene, ID 83814

Attn: Jim Remitz, Capital Programs Manager

Re: Tertiary Treatment Phase 2 Improvements  
Project Serial Letter No. 001 – Response to Contractor Notice of Differing Subsurface or Physical Conditions discovered during demolition and excavation of Chemical Systems Center.

Jim,

The purpose of this letter is to respond to Apollo's Notice of Differing Subsurface or Physical Conditions dated March 22, 2017 (attached) discovered during demolition and excavation of Chemical Systems Center. We find Contractor's notice satisfies the notice requirement per Specification Section 00 72 13 5.04.A.

The notice stated that during demolition and excavation of Chemical Systems Center Building revealed differing subsurface or physical conditions as well as unmarked underground facilities listed as follows:

1. Slab poured through on top of foundation wall instead of up to foundation wall with joint as shown in contract docs.
2. Slab up to 24" in areas instead of 10" shown in contract docs.
3. Conduit installed near top of footing not shown in contract docs.
4. Roof Drain reroute not shown in contract docs.

The following is the Engineer's Review of Contractor's notice per Specification Section 00 72 13 5.04.B of the General Conditions:

1. Following a review of conditions in the field, we concur that the physical condition revealed in Item 1 differs materially from that shown or indicated in the Contract Documents in accordance with Specification Section 00 72 13 5.04.B.3. It was agreed in the field that the Contractor sawcut slab flush with wall and grout in cut making a uniform finish with stem wall and building walls utilizing the labor and materials discussed to perform the required work. HDR recommends to the Owner that CPR No. 001 be issued requesting a cost proposal from the Contractor for the additional work associated with Item 1.
2. Following a review of conditions in the field, we concur that the physical condition revealed in Item 2 differs materially from that shown or indicated in the Contract Documents in accordance with Specification Section 00 72 13 5.04.B.3. It was agreed in the field that the Contractor demolish the excess concrete at thickened slab utilizing the labor and materials discussed to perform the required work. HDR recommends to the Owner that CPR No. 001 be issued requesting a cost proposal from the Contractor for the additional work associated with Item 2.

3. Following a review of conditions in the field, we concur that the physical condition revealed in Item 3 differs materially from that shown or indicated in the Contract Documents in accordance with Specification Section 00 72 13 5.04.B.3. During the excavation on the inside of the Chemical System Center, the Contractor damaged a 1 ½-inch conduit containing signal conductors for the Chlorine Leak Detection Alarm. These lights and alarms that are currently mounted on a light pole (to be demolished) that stands outside the existing Secondary Control Building. This conduit was originally installed with the Chemical Systems Center for other purposes, but will continue to be used as stated. It was agreed in the field that the Contractor repair the conduit in place. Next to it is another 1 ½" conduit containing a fiber optic cable that goes from the Electrical Room to the Primary Sludge Pumping Building. The cable will need to be excavated and re-located down and under slab and follow along the walls, around building sump and tied back in the southeast corner of the Chemical Systems Center. Contractor agreed to repair the damaged conduit utilizing the labor and materials discussed in the field to perform the required work. This will lengthen the conduit run in comparison to the original routing and a splice will need to be made in the fiber optic line in the Electrical Room and then terminated. The damaged conduit to be replaced will run alongside this fiber optic conduit, and match the ultimate length. Additionally, a new 1 ½ inch conduit would be installed from the junction box near the light pole, and into the Secondary Control Building, which will add length to the conduit as well. HDR recommends to the Owner that CPR No. 001 be issued requesting a cost proposal from the Contractor for the additional work associated with Item 3.
  
4. Following a review of conditions in the field, we concur that the physical condition revealed in Item 4 differs materially from that shown or indicated in the Contract Documents in accordance with Specification Section 00 72 13 5.04.B.3. It was agreed in the field that the Contractor demolish roof drain piping at and below the slab and re-route piping to sump in the building utilizing pipe penetration Standard Detail 40 05 00-22. HDR recommends to the Owner that CPR No. 001 be issued requesting a cost proposal from the Contractor for the additional work associated with Item 4.

Sincerely,  
HDR Engineering, Inc.

Todd Jensen, PE, CCM  
*Project Manager*

cc: Rickey Schultz, HDR Engineering, Inc.  
Tom Hanou, HDR Engineering, Inc.  
Lizzy English, HDR Engineering, Inc.  
Mary Scalise, HDR Engineering, Inc.

## Jensen, Todd

---

**From:** Amy Jenne <amy.jenne@apollo-gc.com>  
**Sent:** Wednesday, March 22, 2017 2:32 PM  
**To:** Jensen, Todd  
**Cc:** REMITZ, JIM (JREMITZ@cdaid.org); Kevin Burke  
**Subject:** CDA Tertiary Notice of Differing Subsurface Conditions  
**Attachments:** ChemicalCenterDifferingSubsurfaceConditions.JPG

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

Todd,

Attached is a photo of the differing subsurface conditions discovered by Apollo this week during the demolition and excavation of the Chemical Services area. You will see in the photo we have listed four (4) items differing from the information provided in the contract documents as follows:

1. Slab poured through on top of foundation wall instead of up to foundation wall with joint as shown in contract docs.
2. Slab up to 24" in areas instead of 10" shown in contract docs.
3. Conduit installed near top of footing not shown in contract docs.
4. Roof drain reroute not shown in contract docs.

This email shall service as notice as required in General Conditions 5.4. Please advise if you wish this notice be uploaded to project tracker. It is our understanding we are proceeding with changed work as discussed in the field and a CPR is forthcoming from HDR.

Thank you.

*Amy Jenne*

Vice President  
Apollo, Inc.  
1-509-987-1417 direct phone



....Building People Who Build Great Things

1133 W Columbia Dr Kennewick WA 99336  
(509) 586-1104 www.apollo-gc.com



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## CITY OF COEUR D'ALENE

WASTEWATER UTILITY DEPARTMENT

CITY HALL, 710 E. MULLAN AVE.  
COEUR D'ALENE, IDAHO 83814-3958  
(208)769-2278 JREMITZ@CDAID.ORG

765 W. Hubbard Ave.  
Coeur d'Alene, ID 83814

April 6, 2017

Apollo, Inc.  
1133 W Columbia Drive  
Kennewick, WA 99336

[ VIA EMAIL ]

Attn: Amy Jenne, Project Manager

**Re: Tertiary Treatment Phase 2 Improvements  
Owner's Statement to Contractor Regarding Notice of Differing Subsurface or  
Physical Conditions Discovered During Demolition and Excavation of Chemical  
Systems Center.**

Dear Amy,

This letter serves as the Owner's written statement to Contractor per Specification Section 00 72 13 5.04.C after receipt and review of the Engineer's written findings, conclusions and recommendations regarding Apollo's Notice of Differing Subsurface or Physical Conditions dated March 22, 2017 (attached) discovered during demolition and excavation of Chemical Systems Center. The Engineer and City find that your notice satisfies the notice requirement per Specification Section 00 72 13 5.04.A.

The Owner finds the Engineer's written findings, conclusions, and recommendations satisfies the requirement per Specification Section 00 72 13 5.04.B. The Owner acknowledges a change to the Contract Documents is necessary and adopts the Engineer's letter in whole.

Contractor resumed work following an agreement reached in field on the work to be completed. Pursuant to Specification Section 00 72 13 5.04.D.4, Apollo may submit a Change Proposal Request regarding its entitlement to or the amount or extent of any adjustment in Contract Price or Contract Times no later than 30 days of the issuance of this written statement.

Sincerely,

James Remitz

Capital Program Manager  
City of Coeur d'Alene

cc: Todd Jensen, HDR Engineering, Inc.  
Rickey Schultz, HDR Engineering, Inc.  
Tom Hanou, HDR Engineering, Inc.  
Lizzy English, HDR Engineering, Inc.  
Mary Scalise, HDR Engineering, Inc.



CPR 002

SUMP – RFI 003



July 20, 2017

1133 West Columbia Drive  
Kennewick, WA 99336

Attn: Amy Jenne

Re: Coeur d'Alene Tertiary Treatment Phase 2 project  
CPR 002 – Add Sump at Caustic Storage Tank  
Engineer's Decision

Amy,

We have reviewed your cost proposal for CPR 002 Sump for RFI 003 with the description "Add sump at Caustic Storage Tank". We have found your submitted cost proposal to be acceptable.

A total cost of \$1,846.59 and a total of 0 calendar days will be included in the forthcoming final Change Order.

Sincerely,  
HDR Engineering, Inc.

A handwritten signature in blue ink, appearing to read 'Todd Jensen'.

Todd Jensen, PE, CCM  
*Construction Manager*

cc: Jim Remitz – City of Coeur d'Alene Wastewater Department  
Rickey Schultz – HDR  
Lizzy English – HDR  
Mike Soucie – HDR  
Mary Scalise – HDR



**/// BUILDING PEOPLE WHO BUILD GREAT THINGS**

**Change Proposal Request Summary**

Project: City of Coeur d'Alene Tertiary Treatment Phase 2  
 Apollo Inc.

CPR No: \_\_\_\_\_  
 Date: \_\_\_\_\_

CPR No: 2  
 Date: 06/20/17

Description	Labor	Mat	Equip.	Subcont. Total	Supp Total	Total
Item 1	\$ 745.20	\$ 1,059.15	\$ -	\$ -	\$ 19.44	\$ 1,823.79
<b>SUBTOTAL COST &gt;</b>						<b>\$ 1,823.79</b>
Insurance Premium .5% - Changed Work >						\$ 9.12
Bond Premium .75% - Changed Work >						\$ 13.68
<b>TOTAL LUMP SUM COST &gt;</b>						<b>\$ 1,846.59</b>

Change Proposal Request  
 Project: City of Coeur d'Alene Tertiary Treatment Phase 2  
 Apollo Inc.

CPR No: 2  
 Item No: 1  
 Date: 6/20/17

Item Description: Add sump at Caustic Storage Tank

Description	Qty	U of M	Rate	Labor	Unit	Rate	Mat	Unit	Rate	Equip.	Subcont. Total	Total
<b>APOLLO - PROJECT SUPERVISION COSTS</b>												
Project Manager	2.0	HR	\$ 90.00	\$ 180.00								\$ 180.00
Project Superintendent	2.0	HR	\$ 80.00	\$ 160.00								\$ 160.00
Yard Piping / Site Earthwork Super		HR	\$ 68.00	\$ -								\$ -
<b>APOLLO - CRAFT LABOR COSTS</b>												
<b>Carpenters</b>												
Foreman		HR	\$ 43.50	\$ -								\$ -
Carpenter	8.0	HR	\$ 38.50	\$ 308.00								\$ 308.00
<b>APOLLO - MATERIAL COSTS</b>												
Rebar	1.0				LS	\$ 385.00	\$ 385.00					\$ 385.00
Concrete	2.0				CY	\$ 93.00	\$ 186.00					\$ 186.00
Forms & Waterstop	1.0				LS	\$ 100.00	\$ 100.00					\$ 100.00
FRP Grating	1.0				LS	\$ 250.00	\$ 250.00					\$ 250.00
Apollo - Subtotal Direct Costs >				\$ 648.00			\$ 921.00			\$ -		\$ 1,569.00
Markup on Self-Performed Labor, Mat'ls & Equipment >	0.2			\$ 97.20			\$ 138.15			\$ -		\$ 235.35
<b>SUPPLEMENTAL COSTS</b>												
Special Consultants											\$ -	\$ -
Subsistence for Project Supervision					HR	\$ 11.25	\$ -					\$ -
Temporary Facilities at the Site					LS		\$ -					\$ -
Small Tools	1.0				LS	\$ 19.44	\$ 19.44					\$ 19.44
Subtotal Supplementary Costs >							\$ 19.44				\$ -	\$ 19.44
Markup on Supplementary Costs >	0.0											

<b>Contractor - Total Direct Costs w/Markup &gt;</b>	<b>\$ 1,823.79</b>
Insurance Premium .5% - Changed Work >	\$ 9.12
Bond Premium .75% - Changed Work >	\$ 13.68
<b>TOTAL LUMP SUM COST &gt;</b>	<b>\$ 1,846.59</b>



Change Proposal Request No: 002

(Not a Change Order)

**Project Name:**

CDA Tertiary Phase 2 Improvements

**Project Owner:**

City of Coeur d'Alene, Idaho

**HDR Project No:**

10026247

**Owner's Project No. (If applicable):**

**Contractor:**

Apollo, Inc.

**Regulatory Agency Project No. (If applicable):**

**Initiated by:** Contractor

**Date:** 07-11-2017

**Attention:**

The following change in the contract on this project is proposed. Please provide your proposed price for the cost of this change.

- 1) A breakdown of cost SHALL be provided upon request by the Owner or Engineer.
- 2) Work shall not commence until authorized by the Owner.

**Description of Proposed Change:**

- 1. Install sump for Caustic Storage Tank containment as detailed in RFI 003 response (attached).

**File Attachments:**

RFI 003 – Rev 1

TODD JENSEN, PE, CCM

By

All work shall be in accordance with the terms, stipulations, and conditions of the original Contract Documents. If the work herein provided for is Approved by Change Order, the time of completion will be:

Increased     Decreased     Unchanged

by \_\_\_\_\_ calendar days.

This change will:  Add     Deduct     Not Change

\_\_\_\_\_

**HDR Recommendation:**

Recommend Acceptance

Do Not Recommend Acceptance

By: HDR Engineering

Date

**Owner's Action:**

Accepted     Not Accepted

By: Owner

Date

# Request For Information

---

**Project:** Coeur d'Alene Tertiary Treatment Phase 2 Services During Construction

**Project Number:** 10053342

**Owner:** City of Coeur d'Alene

**RFI Number:** 3

---

**Regarding:** Sump

**Document  
Researched:** 570D101, 570S101, 570S501

**Request:** Drawing 570D101 references a 3'x3'x3' sump in new Caustic Storage Tank 2 slab. However, the structural drawings do not show a sump at this location. Please advise. This may results in a change to scope and cost.

**Response Priority:** Normal

**Reason For Request:** Clarification

**Contractor:** Apollo, Inc

**Submitted By:** Amy Jenne

**Date:** 3/16/2017

---

**Response:** See attached Drawings.

**Response Action:** The above is considered a change. The following document will be used for processing: CPR 002  
Above is consistent with the intent and reasonably inferable from Contract Documents.

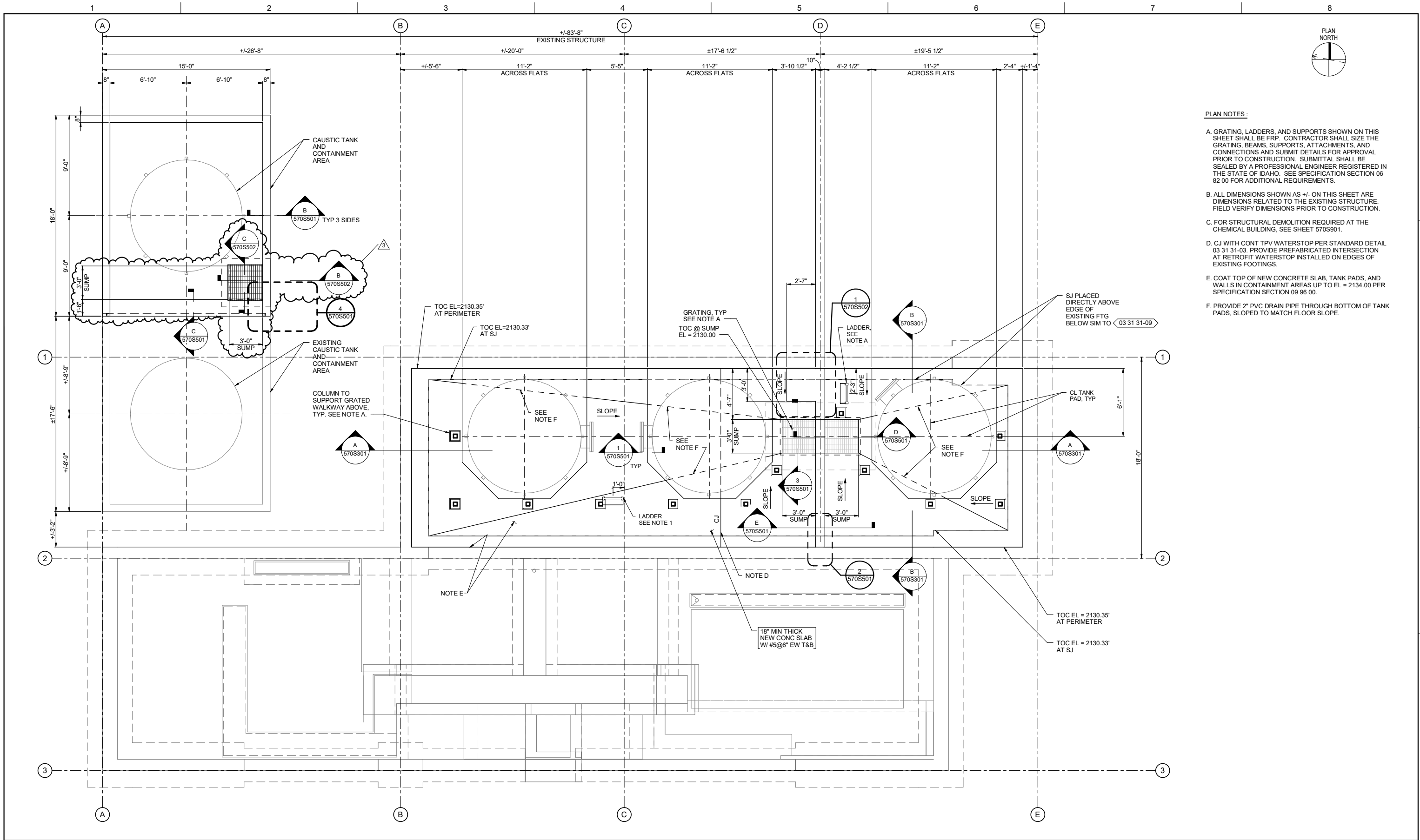
Request is related to one of following and may be returned without response:

- |   |   |
|---|---|
| <input type="checkbox"/> Incomplete or lack of detailed information | <input type="checkbox"/> Related to "means and methods" |
| <input type="checkbox"/> Lack of adequate coordination drawings     | <input type="checkbox"/> Is a "Substitution Request"    |
| <input type="checkbox"/> Response required by others                |   |

**Responded By:** Chris Yarn

**Response Date:** 7/5/2017

---



- PLAN NOTES:**
- A. GRATING, LADDERS, AND SUPPORTS SHOWN ON THIS SHEET SHALL BE FRP. CONTRACTOR SHALL SIZE THE GRATING, BEAMS, SUPPORTS, ATTACHMENTS, AND CONNECTIONS AND SUBMIT DETAILS FOR APPROVAL PRIOR TO CONSTRUCTION. SUBMITTAL SHALL BE SEALED BY A PROFESSIONAL ENGINEER REGISTERED IN THE STATE OF IDAHO. SEE SPECIFICATION SECTION 06 82 00 FOR ADDITIONAL REQUIREMENTS.
  - B. ALL DIMENSIONS SHOWN AS +/- ON THIS SHEET ARE DIMENSIONS RELATED TO THE EXISTING STRUCTURE. FIELD VERIFY DIMENSIONS PRIOR TO CONSTRUCTION.
  - C. FOR STRUCTURAL DEMOLITION REQUIRED AT THE CHEMICAL BUILDING, SEE SHEET 570S901.
  - D. CJ WITH CONT TPV WATERSTOP PER STANDARD DETAIL 03 31 31-03. PROVIDE PREFABRICATED INTERSECTION AT RETROFIT WATERSTOP INSTALLED ON EDGES OF EXISTING FOOTINGS.
  - E. COAT TOP OF NEW CONCRETE SLAB, TANK PADS, AND WALLS IN CONTAINMENT AREAS UP TO EL = 2134.00 PER SPECIFICATION SECTION 09 96 00.
  - F. PROVIDE 2" PVC DRAIN PIPE THROUGH BOTTOM OF TANK PADS, SLOPED TO MATCH FLOOR SLOPE.

R:\d1677417\267295\_570\_STRUCTURAL.rvt 3/23/2017 11:43:56 AM



ISSUE	DATE	DESCRIPTION
3	03/23/2017	RFI 003
0	02/01/2017	CONFORMED DOCUMENTS

PROJECT MANAGER		MICHAEL ZELTNER	
CIVIL	D. HARMON	STRUCTURAL	C. YARN
ARCHITECTURAL	D. THOMAS	PROCESS	R. SCHULTZ
MECHANICAL	C. SUTTON	ELECTRICAL	G. WEISZ
INSTRUMENTATION	G. WEISZ		
PROJECT NUMBER	10026247		

CONTRACT DOCUMENTS AND SUBSEQUENTLY ISSUED ADDENDA HAVE BEEN MERGED INTO ONE CONFORMING SET OF DOCUMENTS FOR THE CONVENIENCE OF THE CONTRACTOR. THE CONFORMED DOCUMENTS ARE FOR REFERENCE ONLY AND ARE NOT CONTRACT DOCUMENTS. IF INCONSISTENCIES OR AMBIGUITIES BETWEEN THE CONFORMED DOCUMENTS AND THE CONTRACT DOCUMENTS ARE FOUND, THE CONTRACT DOCUMENTS AND ADDENDA SHALL TAKE PRECEDENCE.



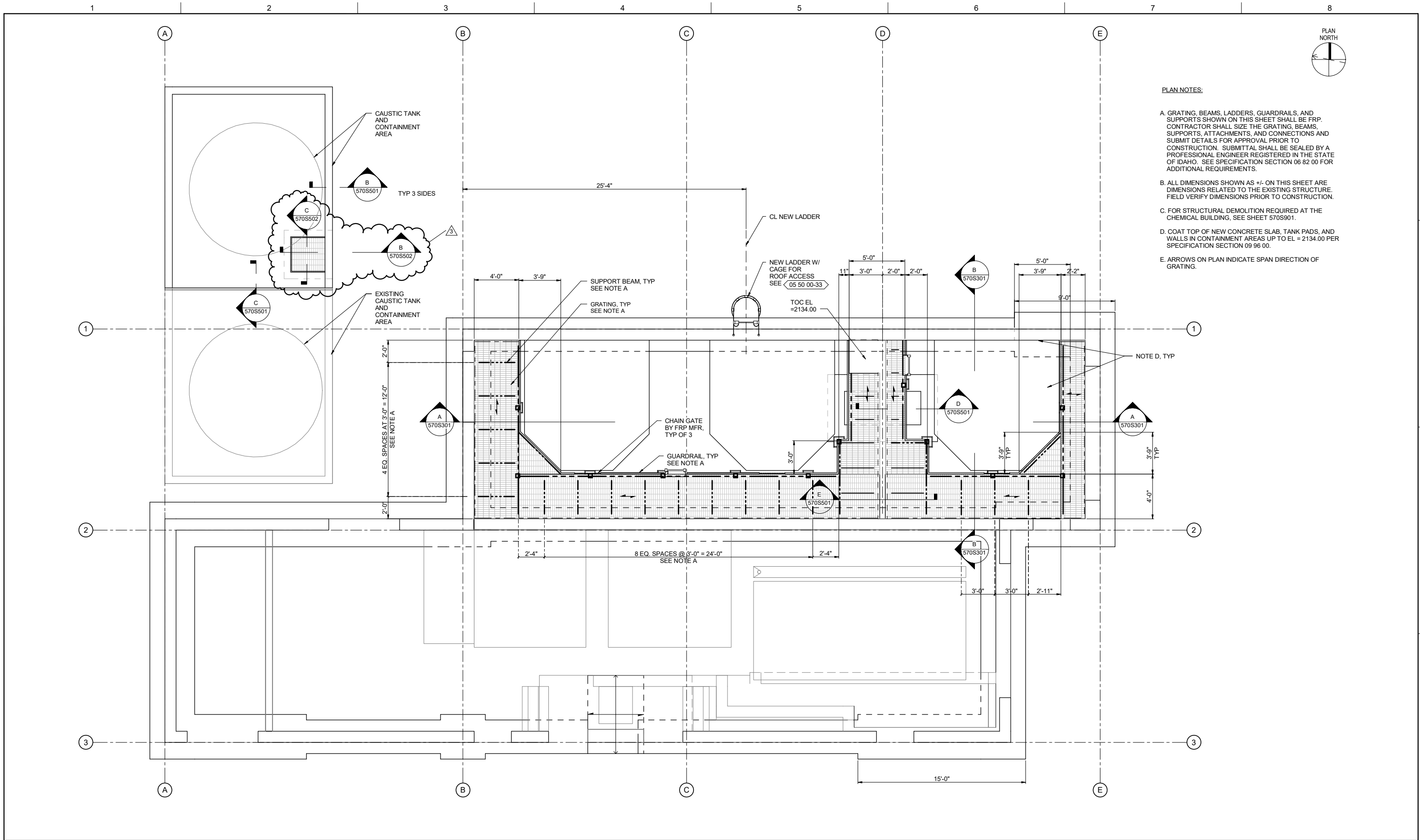
City of Coeur d'Alene  
Advanced Wastewater Treatment Facility  
Tertiary Treatment Phase 2



**CHEMICAL SYSTEMS CENTER  
STRUCTURAL  
FOUNDATION PLAN @ EL 2130.00**

FILENAME 267295\_570\_structural.rvt  
SCALE 1/4" = 1'-0"

SHEET  
**570S101**



**PLAN NOTES:**

- A. GRATING, BEAMS, LADDERS, GUARDRAILS, AND SUPPORTS SHOWN ON THIS SHEET SHALL BE FRP. CONTRACTOR SHALL SIZE THE GRATING, BEAMS, SUPPORTS, ATTACHMENTS, AND CONNECTIONS AND SUBMIT DETAILS FOR APPROVAL PRIOR TO CONSTRUCTION. SUBMITTAL SHALL BE SEALED BY A PROFESSIONAL ENGINEER REGISTERED IN THE STATE OF IDAHO. SEE SPECIFICATION SECTION 06 82 00 FOR ADDITIONAL REQUIREMENTS.
- B. ALL DIMENSIONS SHOWN AS +/- ON THIS SHEET ARE DIMENSIONS RELATED TO THE EXISTING STRUCTURE. FIELD VERIFY DIMENSIONS PRIOR TO CONSTRUCTION.
- C. FOR STRUCTURAL DEMOLITION REQUIRED AT THE CHEMICAL BUILDING, SEE SHEET 570S901.
- D. COAT TOP OF NEW CONCRETE SLAB, TANK PADS, AND WALLS IN CONTAINMENT AREAS UP TO EL = 2134.00 PER SPECIFICATION SECTION 09 96 00.
- E. ARROWS ON PLAN INDICATE SPAN DIRECTION OF GRATING.

R:\d1677417\267295\_570\_STRUCTURAL.rvt 3/23/2017 11:45:41 AM



ISSUE	DATE	DESCRIPTION
3	03/23/2017	RFI 003
0	02/01/2017	CONFORMED DOCUMENTS

<b>PROJECT MANAGER</b> MICHAEL ZELTNER	
CIVIL	D. HARMON
STRUCTURAL	C. YARN
ARCHITECTURAL	D. THOMAS
PROCESS	R. SCHULTZ
MECHANICAL	C. SUTTON
ELECTRICAL	G. WEISZ
INSTRUMENTATION	G. WEISZ
<b>PROJECT NUMBER</b>	10026247

CONTRACT DOCUMENTS AND SUBSEQUENTLY ISSUED ADDENDA HAVE BEEN MERGED INTO ONE CONFORMING SET OF DOCUMENTS FOR THE CONVENIENCE OF THE CONTRACTOR. THE CONFORMED DOCUMENTS ARE FOR REFERENCE ONLY AND ARE NOT CONTRACT DOCUMENTS. IF INCONSISTENCIES OR AMBIGUITIES BETWEEN THE CONFORMED DOCUMENTS AND THE CONTRACT DOCUMENTS ARE FOUND, THE CONTRACT DOCUMENTS AND ADDENDA SHALL TAKE PRECEDENCE.



City of Coeur d'Alene  
Advanced Wastewater Treatment Facility  
Tertiary Treatment Phase 2

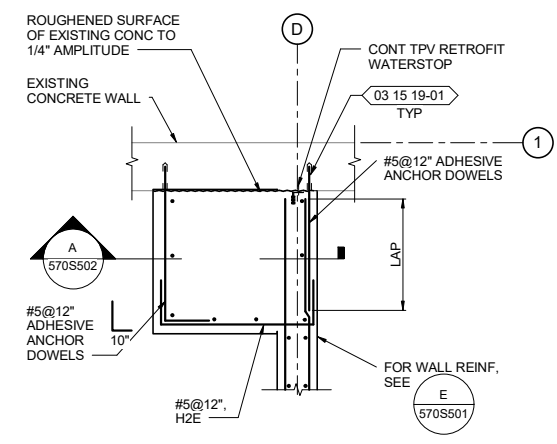
**CHEMICAL SYSTEMS CENTER  
STRUCTURAL  
FRAMING PLAN @ EL 2134.00**



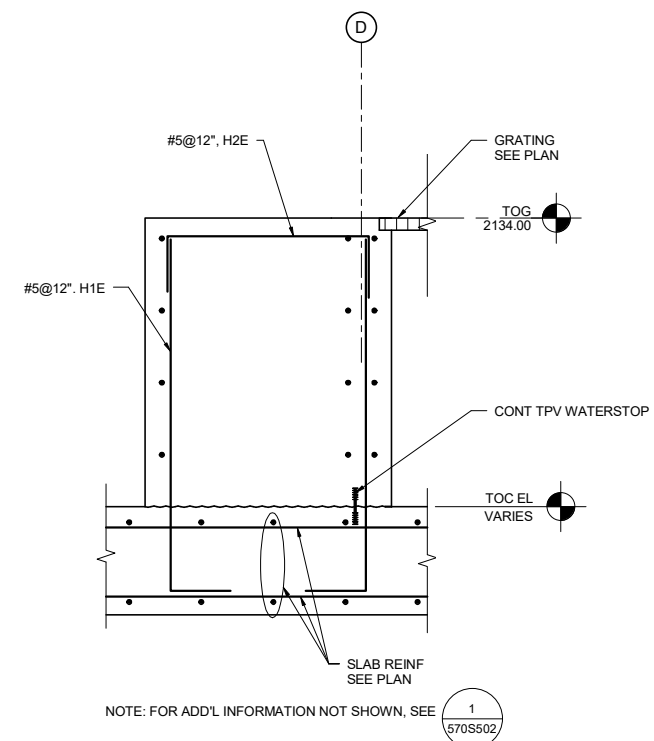
FILENAME 267295\_570\_structural.rvt  
SCALE 1/4" = 1'-0"

SHEET  
**570S102**

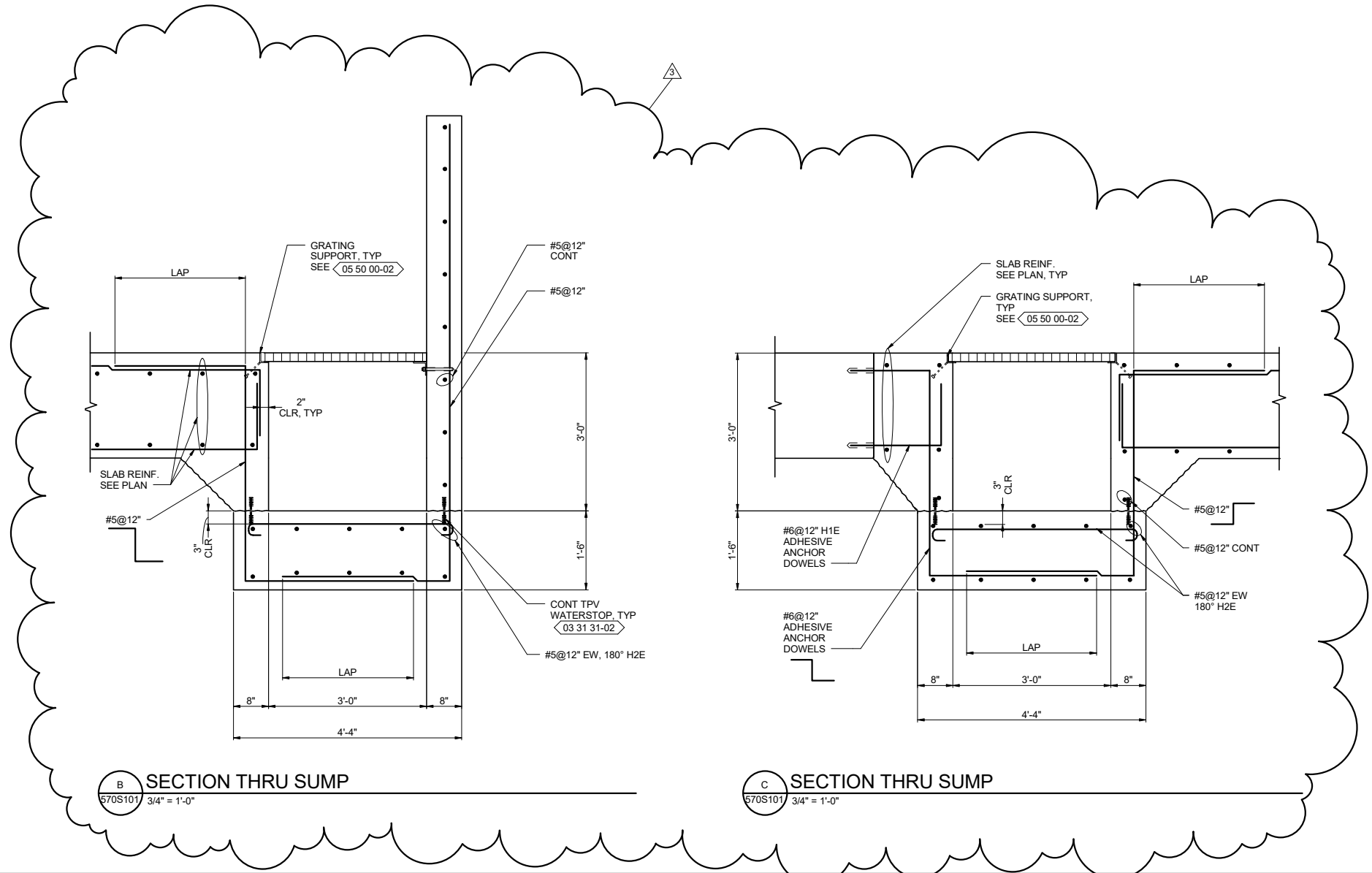




1 DETAIL AT EXISTING AND NEW WALL  
570S101 1/2" = 1'-0"



A SECTION THROUGH PEDESTAL  
570S502 3/4" = 1'-0"



B SECTION THRU SUMP  
570S101 3/4" = 1'-0"

C SECTION THRU SUMP  
570S101 3/4" = 1'-0"

R:\d167417\267295\_570\_STRUCTURAL.rvt  
3/23/2017 11:46:17 AM



ISSUE	DATE	DESCRIPTION
3	03/23/2017	RFI 003
0	02/01/2017	CONFORMED DOCUMENTS

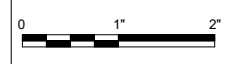
PROJECT MANAGER		MICHAEL ZELTNER	
CIVIL	D. HARMON	STRUCTURAL	C. YARN
ARCHITECTURAL	D. THOMAS	PROCESS	R. SCHULTZ
MECHANICAL	C. SUTTON	ELECTRICAL	G. WEISZ
INSTRUMENTATION	G. WEISZ		
PROJECT NUMBER	10026247		

CONTRACT DOCUMENTS AND SUBSEQUENTLY ISSUED ADDENDA HAVE BEEN MERGED INTO ONE CONFORMING SET OF DOCUMENTS FOR THE CONVENIENCE OF THE CONTRACTOR. THE CONFORMED DOCUMENTS ARE FOR REFERENCE ONLY AND ARE NOT CONTRACT DOCUMENTS. IF INCONSISTENCIES OR AMBIGUITIES BETWEEN THE CONFORMED DOCUMENTS AND THE CONTRACT DOCUMENTS ARE FOUND, THE CONTRACT DOCUMENTS AND ADDENDA SHALL TAKE PRECEDENCE.



City of Coeur d'Alene  
Advanced Wastewater Treatment Facility  
Tertiary Treatment Phase 2

CHEMICAL SYSTEMS CENTER  
STRUCTURAL  
SECTIONS AND DETAILS II



FILENAME 267295\_570\_structural.rvt  
SCALE As indicated

SHEET  
570S502

CPR 003

NACE INSPECTION CREDIT



September 13, 2017

1133 West Columbia Drive  
Kennewick, WA 99336

Attn: Amy Jenne

Re: Coeur d'Alene Tertiary Treatment Phase 2 project  
CPR 003 – NACE Inspection  
Engineer's Decision

Amy,

We have reviewed your cost proposal for CPR 003 NACE Inspection. We have found Apollo not offering a credit for not providing NACE Inspection to be acceptable provided that your Subcontractor Extreme Coatings continues to perform providing ongoing daily testing and record keeping as required by Specification Section 09 96 00.

Sincerely,  
HDR Engineering, Inc.

A handwritten signature in blue ink, appearing to read 'Todd Jensen'.

Todd Jensen, PE, CCM  
*Construction Manager*

cc: Jim Remitz – City of Coeur d'Alene Wastewater Department  
Rickey Schultz – HDR  
Lizzy English – HDR  
Mike Soucie – HDR  
Mary Scalise – HDR



Change Proposal Request No: 003

(Not a Change Order)

**Project Name:**

CDA Tertiary Phase 2 Improvements

**Project Owner:**

City of Coeur d'Alene, Idaho

**HDR Project No:**

10026247

**Owner's Project No. (If applicable):**

**Contractor:**

Apollo, Inc.

**Regulatory Agency Project No. (If applicable):**

**Initiated by:** Engineer

**Date:** 04-06-2017

**Attention:**

The following change in the contract on this project is proposed. Please provide your proposed credit for the cost of this change.

- 1) A breakdown of cost SHALL be provided upon request by the Owner or Engineer.
- 2) Work shall not commence until authorized by the Owner.

**Description of Proposed Change:**

- 1. The Owner requests the contract requirement that NACE inspection provided by Contractor be removed from the contract. NACE inspector will be provided by Owner. Therefore, add the following sentence to Specification Section 09 96 00 1.2.b.3. "NACE inspection to be provided by Owner." Other than the change listed in Item 2 below, all requirements of Section 09 96 00 shall remain in effect.
- 2. Revise Specification Section 09 96 00 1.4.C.3.a to read "Submit daily records digitally on the following day in which coating work is performed unless requested otherwise by Engineer's on-site representative."

**File Attachments:**

TODD JENSEN, PE, CCM

By \_\_\_\_\_

All work shall be in accordance with the terms, stipulations, and conditions of the original Contract Documents. If the work herein provided for is Approved by Change Order, the time of completion will be:

Increased     Decreased     Unchanged

by \_\_\_\_\_ calendar days.

This change will:  Add     Deduct     Not Change

**HDR Recommendation:**

Recommend Acceptance

Do Not Recommend Acceptance

By: HDR Engineering

Date \_\_\_\_\_

**Owner's Action:**

Accepted     Not Accepted

By: Owner

Date \_\_\_\_\_

## Jensen, Todd

---

**From:** Amy Jenne <amy.jenne@apollo-gc.com>  
**Sent:** Tuesday, August 15, 2017 6:18 PM  
**To:** Jensen, Todd  
**Cc:** English, Elizabeth  
**Subject:** CDA Tertiary CPR 03  
**Attachments:** NACE Card Exp 043019.pdf; PCI Level 3 Exp Dec 2021.pdf; Nace Card Exp 103119.pdf

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

Hi Todd,

Extreme Coatings is not offering a credit for CPR 03. They have provided the following justification as to why they do not believe a credit is appropriate:

1. Specification section 09 96 00 1.2 Quality Assurance B. Qualifications item 3 has requirements for the NACE inspector. It does not require the NACE inspector to be third party. The full-time, onsite supervision (Russell Hansen and Jesse Olson) they have planned has the required NACE inspector qualifications (attached) so they planned on performing all inspections required by specification in house.
2. Specification section 09 96 00 3.7 Field Quality Control requires the Contractor to perform ongoing daily testing and record keeping. These requirements have not been removed.

I have reviewed this CPR, the specification and talked at length with Dan Olson. If there was a requirement included in the contract for the coatings subcontractor to hire third party NACE inspection and/or if you were removing daily testing, inspection or record keeping requirements from the contract requirements, I would agree a credit would be appropriate. After my extensive review, I have to agree with Dan the contract did not require the contractor to hire a third party NACE inspector and the CPR did not remove testing or record keeping requirements incumbent upon the Contractor.

Please let me know if we need to schedule a time to discuss this matter further.

Thank you.

*Amy Jenne*

Vice President  
Apollo, Inc.  
1-509-987-1417 direct phone



## Disclaimer

The information contained in this communication from the sender is confidential. It is intended solely for use by the recipient and others authorized to receive it. If you are not the recipient, you are hereby notified that any disclosure, copying, distribution or taking action in relation of the contents of this information is strictly prohibited and may be unlawful.



**NACE CERTIFIED COATING  
INSPECTOR-LEVEL 3**

**Russell Hansen**

**Cert No. 41729**

**Expires: October 31, 2019**

The person to whom this has been issued has fulfilled the examination and experience requirements of the NACE Institute in order to attain the status of NACE Certified Coating Inspector-Level 3 certification.

  
Helma Seelinger - Executive Director



The independent certification affiliate  
of NACE International

---

To Confirm the current certification of this cardholder:

**Call:** 1-800-797-NACE (U.S. & Canada), +1-281-228-6223 (Worldwide)

**Mail:** 15835 Park Ten Place, Houston, TX, USA 77084

**Online:** [www.naceinstitute.org](http://www.naceinstitute.org)

**NOTE:** This recognition will expire on the date noted. It is the responsibility of the cardholder to notify the NACE Institute of address changes. Failure to receive notices from the NACE Institute does not relieve the cardholder of the responsibility to contact the NACE Institute to complete the renewal process.





**NACE**  
INTERNATIONAL  
INSTITUTE

CIP LEVEL 2

Jesse D. Olson

Cert No. 41721

Expires: April 30, 2019

The person to whom this has been issued has fulfilled the examination and experience requirements of the NACE Institute in order to attain the status of CIP Level 2 certification.

  
Helene Seelinger - Executive Director



**NACE**<sup>®</sup>  
INTERNATIONAL  
INSTITUTE

The independent certification affiliate  
of NACE International

---

To Confirm the current certification of this cardholder:

**Call:** 1-800-797-NACE (U.S. & Canada), +1-281-228-6223 (Worldwide)

**Mail:** 15835 Park Ten Place, Houston, TX, USA 77084

**Online:** [www.naceinstitute.org](http://www.naceinstitute.org)

**NOTE:** This recognition will expire on the date noted. It is the responsibility of the cardholder to notify the NACE Institute of address changes. Failure to receive notices from the NACE Institute does not relieve the cardholder of the responsibility to contact the NACE Institute to complete the renewal process.



This card certifies that

**Jesse Olson**



has fulfilled the Level 3 requirements of SSPC's (PCI)  
Protective Coatings Inspector Certification Program

**Expires: 12/31/2021**

**ID#: 88108**

A handwritten signature in black ink, appearing to read 'Jesse Olson', written over a horizontal line.

*SSPC President*

**Exam Language: English**

**SSPC (PCI) Protective Coatings Inspector - Level 3**

**For recertification information please contact:**



**800 Trumbull Drive  
Pittsburgh, PA 15205**

**412-281-2331  
877-281-7772**

**[www.SSPC.org](http://www.SSPC.org)**

CPR 004

VOID

CPR 005

PRIMARY CLARIFIER 3 – EXISTING PIPE



August 5, 2019

Apollo, Inc.  
1133 West Columbia Drive  
Kennewick, WA 99336

Attn: Amy Jenne

Re: Coeur d'Alene Tertiary Treatment Phase 2 project  
CPR 005 – PC3 Existing Piping (and Valve Vault)  
Engineer's Decision

Amy,

We have reviewed your cost proposal for CPR 005 – PC3 Existing Piping (and Valve Vault). We have found your submitted cost proposal to be acceptable.

A total cost of \$3,778.90 and a total of 0 calendar days will be included in the forthcoming final Change Order.

Sincerely,  
HDR Engineering, Inc.

A handwritten signature in blue ink, appearing to read 'Todd Jensen'.

Todd Jensen, PE, CCM  
*Construction Manager*

cc: Mike Anderson – City of Coeur d'Alene Wastewater Department  
Rickey Schultz – HDR  
Mike Soucie – HDR  
Mary Scalise – HDR



**/// BUILDING PEOPLE WHO BUILD GREAT THINGS**

**Change Proposal Request Summary**  
 Project: City of Coeur d'Alene Tertiary Treatment Phase 2  
 Apollo Inc.

CPR No: \_\_\_\_\_ CPR No: 5 Rev1  
 Date: \_\_\_\_\_ Date: 07/26/19

Description	Labor	Mat	Equip.	Subcont. Total	Supp Total	Total
Existing Utilities	\$ 2,557.97	\$ 2,143.51	\$ 585.70	\$ (1,575.00)	\$ 66.73	\$ 3,778.90
<b>SUBTOTAL COST &gt;</b>						<b>\$ 3,778.90</b>
Insurance Premium .5% - Changed Work >						\$ -
Bond Premium .75% - Changed Work >						\$ -
<b>TOTAL LUMP SUM COST &gt;</b>						<b>\$ 3,778.90</b>



**Change Proposal Request**  
**Project: City of Coeur d'Alene Tertiary Treatment Phase 2**  
**Apollo Inc.**

**CPR No:** 5 Rev1  
**Item No:** 1  
**Date:** 7/26/19

*Item Description: Existing Utilities*

Description	Qty	U of M	Rate	Labor	Unit	Rate	Mat	Unit	Rate	Equip.	Subcont. Total	Total
<b>APOLLO - PROJECT SUPERVISION COSTS</b>												
Project Manager	4.0	HR	\$ 90.00	\$ 360.00								\$ 360.00
Project Superintendent	2.0	HR	\$ 79.56	\$ 159.12								\$ 159.12
Yard Piping / Site Earthwork Super	20.0	HR	\$ 68.08	\$ 1,361.60								\$ 1,361.60
<b>APOLLO - CRAFT LABOR COSTS</b>												
<b>Laborers</b>												
General	10.0	HR	\$ 34.36	\$ 343.60								\$ 343.60
<b>APOLLO - OPERATED EQUIPMENT</b>												
<b>Excavator - CAT 312C L</b>												
+ Operator		HR	\$ 45.84	\$ -								\$ -
+ Operating Costs	10.0							HRLY	\$ 50.93	\$ 509.30		\$ 509.30
<b>APOLLO - MATERIAL COSTS</b>												
HD Fowler	1.0				LS	\$ 1,863.92	\$ 1,863.92					\$ 1,863.92
	0.0						\$ -					\$ -
Apollo - Subtotal Direct Costs >				\$ 2,224.32		\$ 1,863.92			\$ 509.30			\$ 4,597.54
Markup on Self-Performed Labor, Mat'ls & Equipment >	15.0%			\$ 333.65		\$ 279.59			\$ 76.40			\$ 689.63
<b>SUBCONTRACTOR COSTS</b>												
Relocate Natural Gas	1										\$ (1,500.00)	\$ (1,500.00)
											\$ -	\$ -
Subtotal Subcontractors Costs >											\$ (1,500.00)	\$ (1,500.00)
Markup on Subcontractor Costs >	5.0%										\$ (75.00)	\$ (75.00)
<b>SUPPLEMENTAL COSTS</b>												
Special Consultants											\$ -	\$ -
Subsistence for Project Supervision					HR	\$ 11.25	\$ -					\$ -
Temporary Facilities at the Site					LS		\$ -					\$ -
Small Tools	1.0				LS	\$ 66.73	\$ 66.73					\$ 66.73
Subtotal Supplementary Costs >						\$ 66.73					\$ -	\$ 66.73
Markup on Supplementary Costs >	0.0											

<b>Contractor - Total Direct Costs w/Markup &gt;</b>	<b>\$ 3,778.90</b>
Insurance Premium .5% - Changed Work >	\$ -
Bond Premium .75% - Changed Work >	\$ -
<b>TOTAL LUMP SUM COST &gt;</b>	<b>\$ 3,778.90</b>



REMIT: PO Box 84368, Seattle, WA 98124

**Invoice Number** 14562055

SPWH  
# 015290

**Corporate Office**  
3633 136th Pl SE, Ste 100, Bellevue, WA 98006  
PO Box 160, Bellevue, WA 98009-0160  
Phone 425-654-8800 \* Fax 425-641-8885

**Spokane Branch**  
6625 E Sharp Ave  
Spokane, WA 99212  
(509) 568-8400 Fax (509) 568-8405

<b>To:</b> APOLLO INC Attn: Accounts Payable PO Box 7305 KENNEWICK WA 99336-0617	<b>Ship to:</b> HD Fowler Company - Spokane 6625 E Sharp Ave Spokane WA 99212		
	<b>Order#</b> O5610649	<b>Inv Date:</b> 07/11/17	<b>Order Writer:</b> Matthew Mahan

<b>Terms:</b> 10P+30 <b>FOB:</b> JOBSITE	<b>Due:</b> 09/10/17 <b>Ship Via:</b> OUR TRUCK	<b>PO/JOB:</b> MOVING UTILITY P162 TERTIARY TREATMENT PHASE
---	--	--

Line	Qty Ship'd	Qty BO'd	UoM	Part # Description	Unit Price	Extended Price	T X
1	1		EA	6" MJ WYE DI,AWWA C153,C/L,LESS ACCESS (93 LBS)	145.60	145.60	Y
2	1		EA	INBOUND FRT / BILLABLE	100.00	100.00	
3	3		EA	6" MJ 45 ELL DI,AWWA C153,C/L,LESS ACCESS (40 LBS)	59.45	178.35	Y
4	1		EA	6" MJ X FL ADAPTER DI, AWWA C153, C/L LESS ACC (36 LBS)	58.85	58.85	Y
19	1	1	EA	6" BLACK BOLT & NUT KIT DOMESTIC 8 PER 3/4" X 3 1/4",GRADE 5 USA	12.14	12.14	Y
6	1		EA	6" 1/8" FULL FACE RED RUBBER, GASKET, 150#	3.36	3.36	Y
7	10		EA	6" TUFGRIP MJ WEDGE RESTRAINT SERIES 1000 FOR DIP GLAND ONLY	24.84	248.40	Y
8	10		EA	6" GASKET AND T-BOLT SET FOR C153 MJ FITTINGS	13.35	133.50	Y
9	1		EA	6" X 2" TAPT BLIND FLG,DI,AWWA C110,NORMALLY BARE FINISH (28 LBS)	75.84	75.84	Y
10	1		EA	2" X 1-1/2" SCH 40 GALVANIZED BUSHING IMPORT	3.47	3.47	Y
11	1		EA	1-1/2" SCH 40 GALVANIZED 90 STREET ELBOW IMPORT	4.84	4.84	Y
12	1		EA	1-1/2" BRASS GATE VALVE THREADED NRS 200 WOG	18.06	18.06	Y
13	1		EA	6" UNI - FLANGE FOR DI SERIES 200 FORD	45.10	45.10	Y
16	1		EA	6" 1/8" FULL FACE RED RUBBER, GASKET, 150#	3.36	3.36	Y
17	1		RL	15' X 360' 600 SQ YD STABILIZATION FABRIC WOVEN	386.89	386.89	Y

**\*\* New Remittance Address \*\***  
PO Box 84368, Seattle, WA 98124-5668

EFT Routing: 121000248  
EFT Bank No: 418 545 3362

Sub total 1,417.76  
Freight 25.00  
Tax 79.07  
**Grand Total 1,521.83**



REMIT: PO Box 84368, Seattle, WA 98124

**Invoice Number** **14818183**

HAWH  
# 015290

**Corporate Office**  
3633 136th Pl SE, Ste 100, Bellevue, WA 98006  
PO Box 160, Bellevue, WA 98009-0160  
Phone 425-654-8800 \* Fax 425-641-8885

**Hayden Branch**  
1841 W Hayden Ave  
Hayden, ID 83835  
(208) 772-9060 Fax (208) 772-9478

<b>To:</b> APOLLO INC Attn: Accounts Payable PO Box 7305 KENNEWICK WA 99336-0617	<b>Ship to:</b> HD Fowler Company - Hayden 1841 W Hayden Ave Hayden ID 83835	
	<b>Order#</b> O5905035	<b>Inv Date:</b> 05/09/18

<b>Terms:</b> 10P+30 <b>FOB:</b> H. D. FOWLER	<b>Due:</b> 07/10/18 <b>Ship Via:</b> WILL CALL	<b>PO/JOB:</b> P162 P162 TERTIARY TREATMENT PHASE
--	--	--

Line	Qty Ship'd	Qty BO'd	UoM	Part # Description	Unit Price	Extended Price	T X
1	2		EA	6" FOSTER ADAPTER W/MJ ACC KITS 6FA-BC DOMESTIC	92.96	185.92	
						Sub total	185.92
						Freight	
						Tax	
						<b>Grand Total</b>	<b>185.92</b>

\*\* New Remittance Address \*\*  
PO Box 84368, Seattle, WA 98124-5668

EFT Routing: 121000248  
EFT Bank No: 418 545 3362

TONY



REMIT: PO Box 84368, Seattle, WA 98124

**Invoice Number** **I4562216**

SPWH  
# 015290

**Corporate Office**  
3633 136th Pl SE, Ste 100, Bellevue, WA 98006  
PO Box 160, Bellevue, WA 98009-0160  
Phone 425-654-8800 \* Fax 425-641-8885

**Spokane Branch**  
6625 E Sharp Ave  
Spokane, WA 99212  
(509) 568-8400 Fax (509) 568-8405

<b>To:</b> APOLLO INC Attn: Accounts Payable PO Box 7305 KENNEWICK WA 99336-0617	<b>Ship to:</b> 915 HUBBARD AVE COEUR D'ALENE ID 83814	
	<b>Order#</b> O5611159	<b>Inv Date:</b> 07/11/17

<b>Terms:</b> 10P+30 <b>FOB:</b> H. D. FOWLER COMPANY	<b>Due:</b> 09/10/17 <b>Ship Via:</b>	<b>PO/JOB:</b> UTILITY RELOCATE P162 TERTIARY TREATMENT PHASE
--	--	--

Line	Qty Ship'd	Qty BO'd	UoM	Part # Description	Unit Price	Extended Price	T X
1	1		EA	6" MJ SLEEVE LONG PATTERN DI, AWWA C153 LESS ACCESSORIES (39 LBS)	66.13	66.13	Y
3	2		EA	6" TUFGRIP MJ WEDGE RESTRAINT SERIES 1000 FOR DIP WITH ACCESSORIES	40.60	81.20	Y

**\*\* New Remittance Address \*\***  
PO Box 84368, Seattle, WA 98124-5668

EFT Routing: 121000248  
EFT Bank No: 418 545 3362

Sub total 147.33  
Freight  
Tax 8.84  
Grand Total 156.17

TONY

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Change Proposal Request No: 005

(Not a Change Order)

**Project Name:**

CDA Tertiary Ph 2 Improvements

**HDR Project No:**

10053342

**Contractor:**

Apollo, Inc

**Project Owner:**

City of Coeur d'Alene, Idaho

**Owner's Project No. (If applicable):**

**Regulatory Agency Project No. (If applicable):**

**Initiated by:** Engineer

**Date:** 7/05/2017

---

**Attention:**

The following change in the contract on this project is proposed. Please provide your proposed price for the cost of this change.

- 1) A breakdown of cost SHALL be provided upon request by the Owner or Engineer.
- 2) Work shall not commence until authorized by the Owner.

**Description of Proposed Change:**

At Primary Clarifier 3, the 1 1/2" natural gas line to be relocated has been found to be abandoned and does not need re-locating. Re-route the 6-inch PSC from PC2 as discussed in the field with Owner and Engineer. A temporary pipe can be utilized but final configuration will need to be glass lined ductile iron, per Specification 40 05 00 3.12 Schedules B.2.d.c. This line can be deactivated when a 3 hour outage is available. Coordinate with Owner and Engineer and provide a Deactivation Request as needed to perform this work.

Re-route 1" conduit supplying power to street light south of PC3. See attached sketch.

Please add a 3" dismantling joint and pipe support (Standard Detail 40 05 07-11) to scum valve vault as shown on Detail 2 on Drawing 200D201. Rotate vault to be parallel with pump station walls. Add one (1) 45 degree elbow to allow for rotation of vault and a perpendicular pipe penetration into vault. See attached sketches.

Please tie-in the 3-inch 3W line south of the scum pit footing, route the 3-3W line around future walkway support columns, tie-in a 1 1/2 3W line with isolation valve and replace 3W piping to PC2 spray mechanism source. See attached figures.

**Section # Filter:**

TODD JENSEN, PE, CCM

By \_\_\_\_\_

---

All work shall be in accordance with the terms, stipulations, and conditions of the original Contract Documents. If the work herein provided for is Approved by Change Order, the time of completion will be:

Increased     Decreased     Unchanged

by \_\_\_\_\_ calendar days.

This change will:  Add     Deduct     Not Change

---

**HDR Recommendation:**

Recommend Acceptance

Do Not Recommend Acceptance

By: HDR Engineering

Date \_\_\_\_\_

**Owner's Action:**

Accepted     Not Accepted

By: Owner

Date \_\_\_\_\_

---

Existing 3-3W  
PVC, and bell  
restraint to  
Ductile piping  
that goes  
under the  
footing



Scum Pit  
Footing





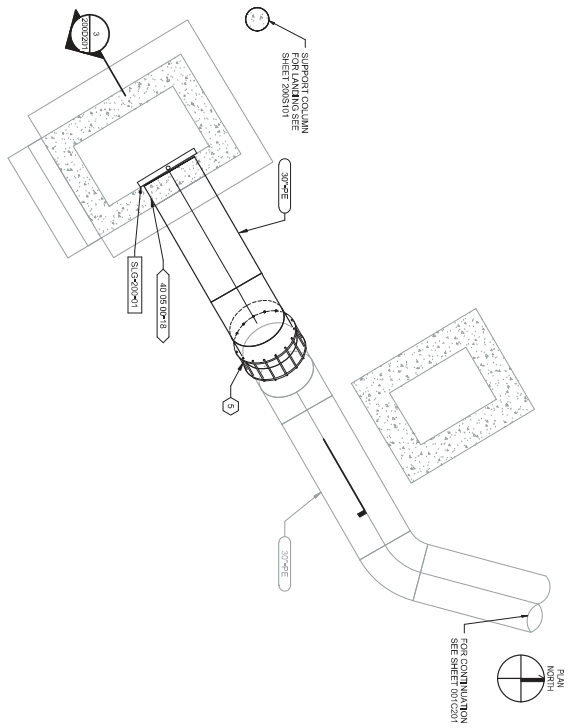
1 ½ 3-W line supply to  
Spray Mechanism to be  
replaced and tie-in to  
new 3W line, with an  
isolation valve at tie-in.



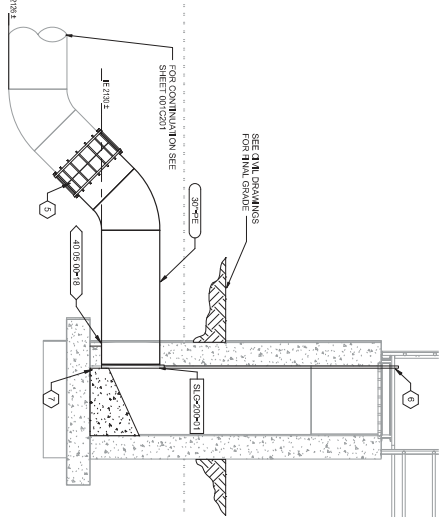
Tie-in to existing 3W line South of the footing, and abandon the 3IN and 1 1/2 lines that are under the footing. Route new 1 1/2 IN piping from 3-3W line, with 1 1/2 IN isolation valve.



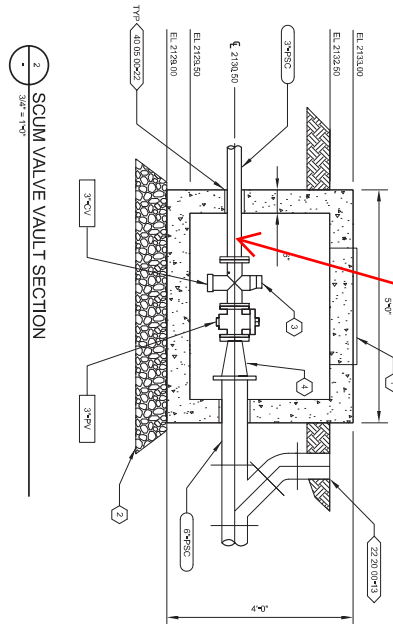




PCI EFFLUENT BOX PLAN  
3/8" = 1'-0"



SCUM VALVE VAULT SECTION  
3/8" = 1'-0"



SCUM VALVE VAULT SECTION  
3/8" = 1'-0"

Add dismantling joint  
within vault.

- GENERAL NOTES:**
- A. WORK ASSOCIATED WITH MODIFICATIONS BOXES AND ALTERNATIVES SEE SECTION 01020 TO PROJECT AND VERIFY 30% BEFORE MATERIAL IS CONCRETE CONTRACTOR ON THE EFFLUENT BOX CONTRIBUTION TO NOTIFY ENGINEER OF MATERIAL FOUND.
  - B. VERIFY MATERIAL IS CONCRETE CONTRACTOR ON THE EFFLUENT BOX CONTRIBUTION TO NOTIFY ENGINEER OF MATERIAL FOUND.
- KEY NOTES (X)**
1. SEE MATCHES SEE STANDARD DETAILS 65 30046-63.
  2. BRIM COMPACTED SAND AND FINE GRAVEL UNDER VALVE VAULT.
  3. VALVE VAULT WITH CAP AT LOCATION SHOWN.
  4. CUT EXISTING REINFORCING SHOWN AND INSTALL NEW REINFORCING FOR PROVIDE GREEN-SIGHT, GATING FOR GATE OPERATION.
  5. PROVIDE COMPENSATE INSTALLATION OF SIDE GATE WITH ACTUAL DIMENSIONS OF FILET.

ISSUE	DATE	DESCRIPTION
0	02/01/2017	CONFORMED DOCUMENTS

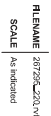
PROJECT NUMBER	CONFORMED DOCUMENTS
10026247	G. WEISZ

PROJECT MANAGER	CONFORMED DOCUMENTS
MICHAEL ZELTNER	G. WEISZ

CONTRACT DOCUMENTS AND SUBSEQUENTLY ISSUED ADDENDUMS HAVE BEEN REFERENCED TO ONE CONFORMED DOCUMENTS FOR THE CONFORMED DOCUMENTS ARE FOR REFERENCE ONLY. CONTRACT DOCUMENTS AND THE CONTRACT ADDENDUMS SHALL TAKE PRECEDENCE.

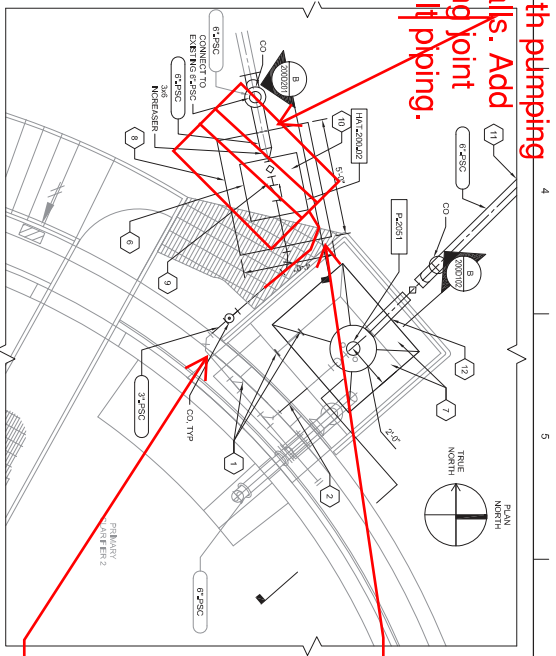
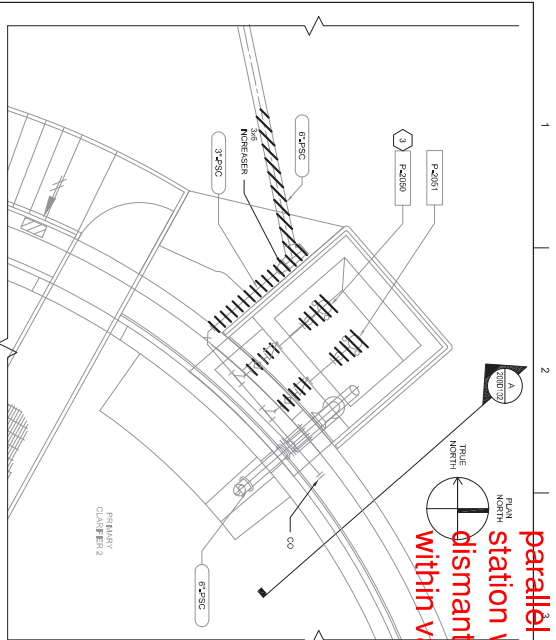
City of Coeur d'Alene  
Advanced Wastewater Treatment  
Facility  
Tertiary Treatment Phase 2

PRIMARY CLARIFIER 1  
PROCESS  
EFFLUENT STRUCTURE MODIFICATIONS  
SHEET 200DD201



RENAME: 287295.dwg  
SCALE: As Indicated



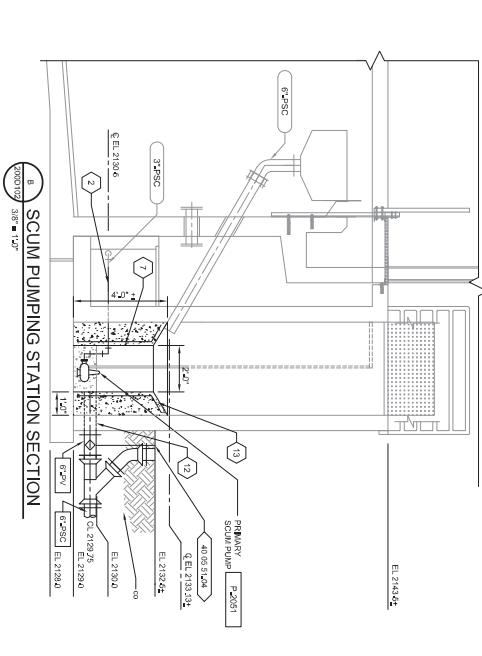
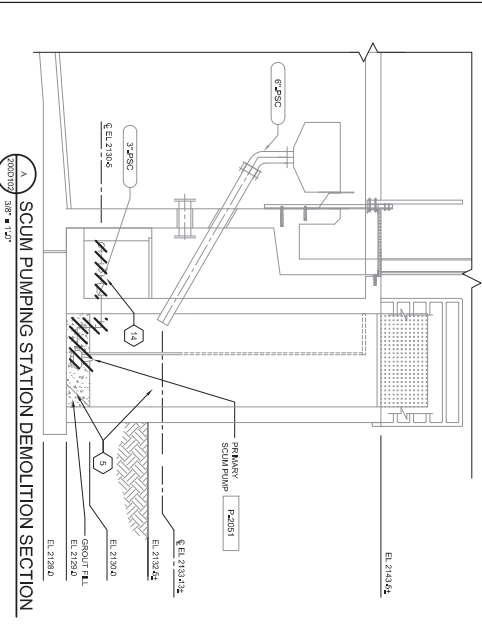


Rotate box to be parallel with pumping station walls. Add dismantling joint within vault piping.

Two (2) 45's, one is additional, to account for vault rotation.

Move clean-out upstream of fittings, off of a Y, to maximize length downstream of CO.

- NOTES: (X)
1. METAL BRIM FLANGE
  2. INSTALL FRAMED SPOOL, P.F.E.C.
  3. SALVAGE SCUM PUMP PAGES TO OWNER. BRIM AND RINGS TO BE REUSED.
  4. CONNECTION TO FIELD W/ 4\"/>

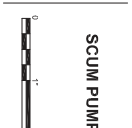


ISSUE DATE	DESCRIPTION
01/04/2017	CONFORMED DOCUMENTS

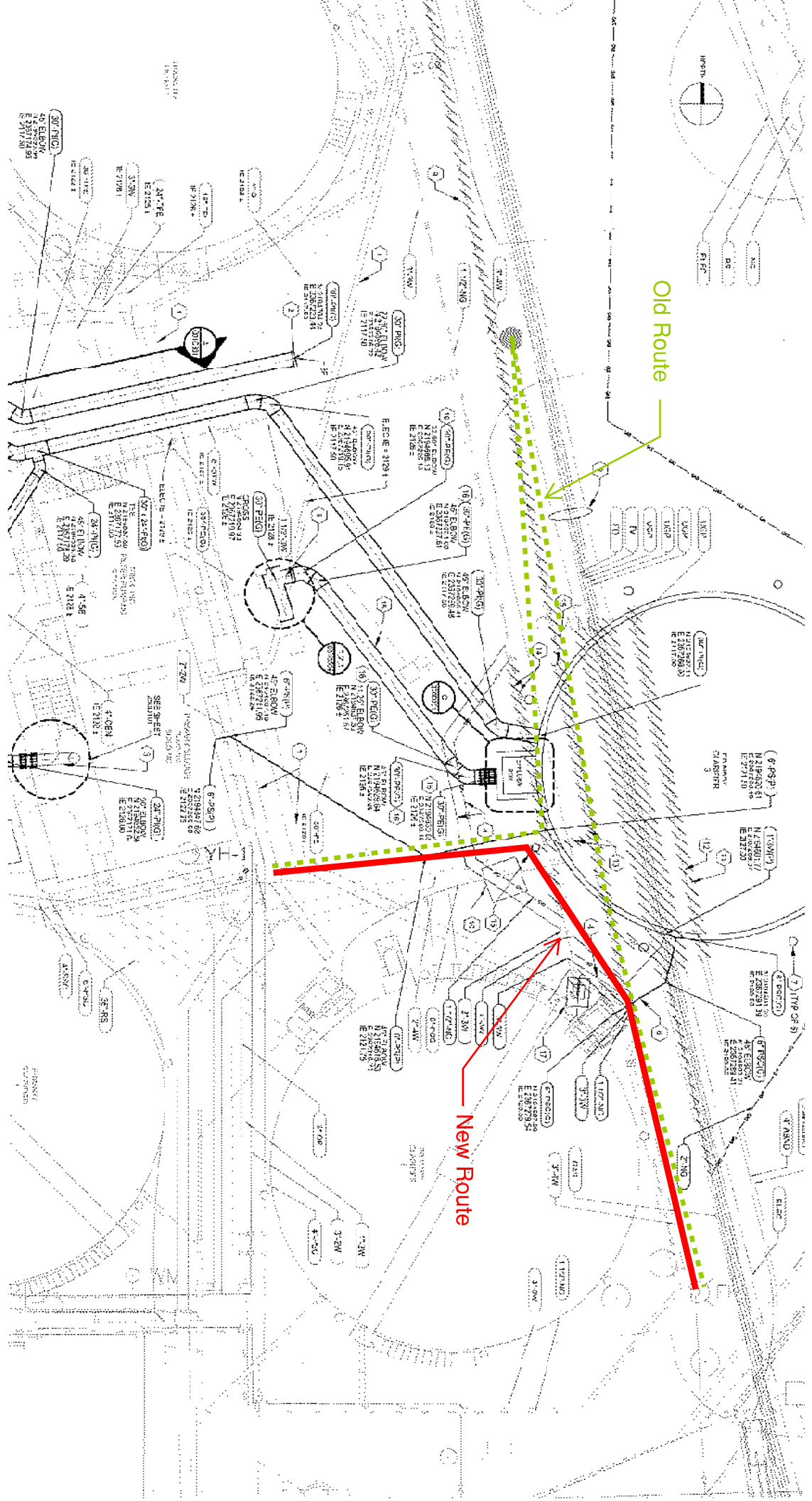
PROJECT MANAGER	CHIEF
MICHAEL ZETNER	T. JENSEN
STRUCTURAL	C. VAVIN
ARCHITECTURAL	A. RIEBER
PROCESS	R. SCHULTZ
MECHANICAL	K. SUTTON
ELECTRICAL	G. WENZ
INSTRUMENTATION	
PROJECT NUMBER	10025247



City of Coeur d'Alene  
Advanced Wastewater Treatment Facility  
Tertiary Treatment Phase 2



PRIMARY CLARIFIER 2  
PROCESS  
SCUM PUMPING STATION PLAN AND SECTION  
SHEET  
200D102



Old Route

New Route

CPR 006  
8PW RELOCATION



September 11, 2019

Apollo, Inc.  
1133 West Columbia Drive  
Kennewick, WA 99336

Attn: Amy Jenne

Re: Coeur d'Alene Tertiary Treatment Phase 2 project  
CPR 006 – 8-inch Waterline Relocation  
Engineer's Decision

Amy,

We have reviewed your cost proposal for CPR 006 – 8-inch Waterline Relocation. We have found your submitted cost proposal to be acceptable.

A total cost of \$0.00 and a total of 0 calendar days will be included in the forthcoming final Change Order.

Sincerely,  
HDR Engineering, Inc.

A handwritten signature in blue ink, appearing to read 'Todd Jensen'.

Todd Jensen, PE, CCM  
*Construction Manager*

cc: Mike Anderson – City of Coeur d'Alene Wastewater Department  
Rickey Schultz – HDR  
Mike Soucie – HDR  
Mary Scalise – HDR

## Jensen, Todd

---

**From:** Amy Jenne <Amy.Jenne@apollo-gc.com>  
**Sent:** Friday, June 7, 2019 10:50 AM  
**To:** Jensen, Todd  
**Cc:** Soucie, Michael  
**Subject:** CDA Tertiary CPR 06

Hi Todd,

Mike and I talked about CPR 06 8" PW Relocation at length when we met a few weeks ago. We talked through the history of the 8" 1W line and the "savings", "additions", and "potential extra costs" if the line had been installed per plan. Below is a summary:

Savings - Didn't have to install the line as deep

Additions

Had to dig line up second time to make tie-ins  
Had to clean & flush line a second time  
Had to sleeve pipelines for DEQ separation

Potential Costs to City

Existing lines not located as shown  
Shoring and/or removal & replacement of gabion wall not shown on drawings

With the risks for potential costs to the City if the line had been installed at the deeper plan location, I believe a good decision was made by project team to bring the grade of the water line up. At the end of the day, I think we probably had more additional cost than savings but, with the cooperation of all involved to come up with the best solution for everyone (Apollo, City, DEQ) I am willing to call it even. I would propose a no cost change for CPR 06.

Let me know if you want to discuss further.

Thanks  
Amy

## Disclaimer

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---

**Change Proposal Request No: 006**

**(Not a Change Order)**

**Project Name:**

CDA Tertiary Ph 2 Improvements

**Project Owner:**

City of Coeur d'Alene, Idaho

**HDR Project No:**

**10053342**

**Owner's Project No. (If applicable):**

**Contractor:**

Apollo, Inc

**Regulatory Agency Project No. (If applicable):**

**Initiated by: T o m H a n o u**

**Date: 7/14/2017**

---

**Attention:**

The following change in the contract on this project is proposed. Please provide your proposed price for the cost of this change.

- 1) A breakdown of cost SHALL be provided upon request by the Owner or Engineer.
- 2) Work shall not commence until authorized by the Owner.

**Description of Proposed Change:**

Refer to the attached drawing with revisions depicted in the clouded portion of the drawing. The new 8-in 1W line is to be routed parallel to existing gabion wall prior to crossing beneath the existing piping as shown. Minimum clearance between 8-in 1W and existing pipes is 1-ft 6-in. Connections are to be made to the existing 8-in 1W and the existing 12-in 1W.

**Section # Filter:**

**Todd Jensen**

By \_\_\_\_\_

---

All work shall be in accordance with the terms, stipulations, and conditions of the original Contract Documents. If the work herein provided for is Approved by Change Order, the time of completion will be:

Increased     Decreased     Unchanged

by \_\_\_\_\_ calendar days.

This change will:  Add     Deduct     Not Change

---

**HDR Recommendation:**

Recommend Acceptance

Do Not Recommend Acceptance

By: HDR Engineering

Date \_\_\_\_\_

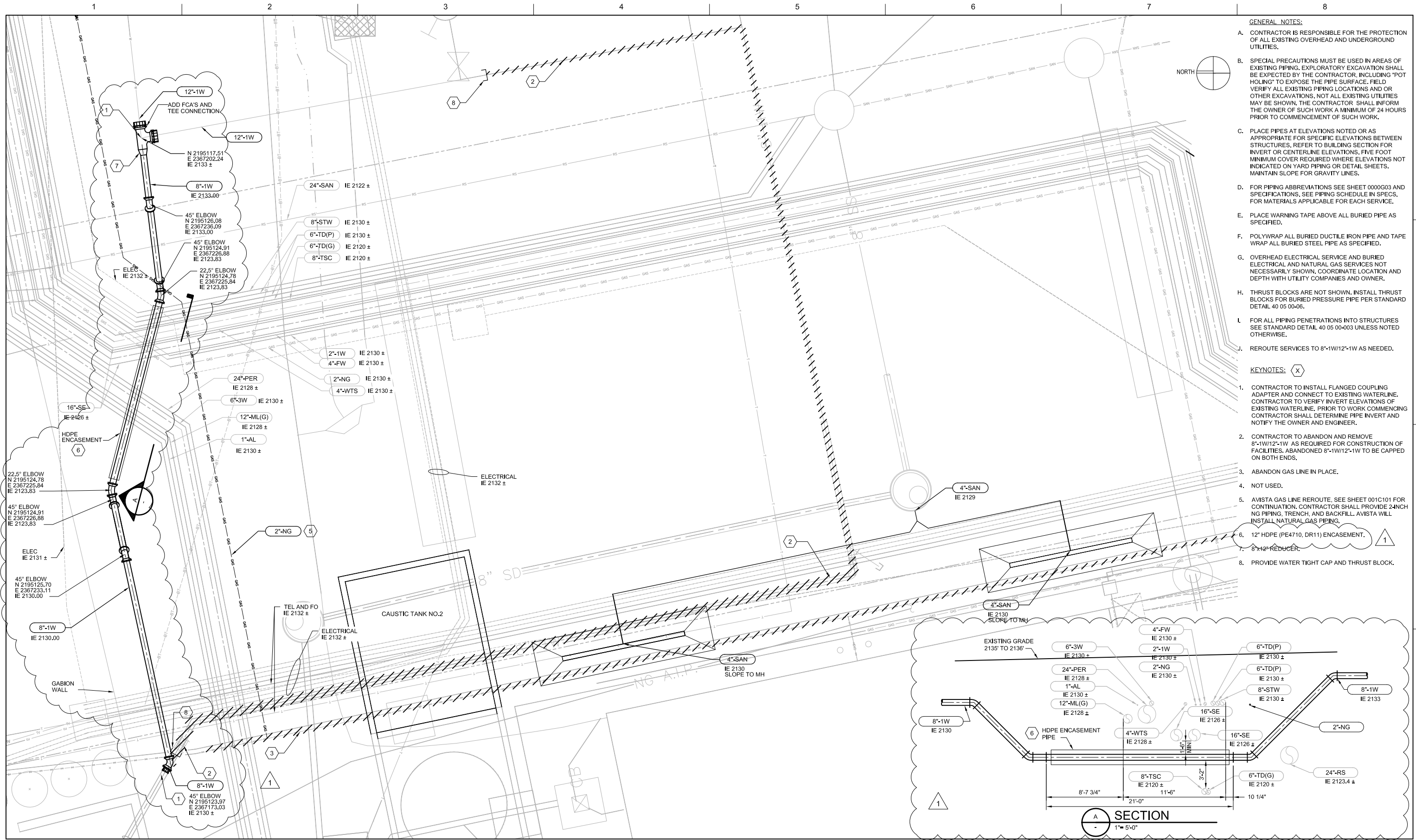
**Owner's Action:**

Accepted     Not Accepted

By: Owner

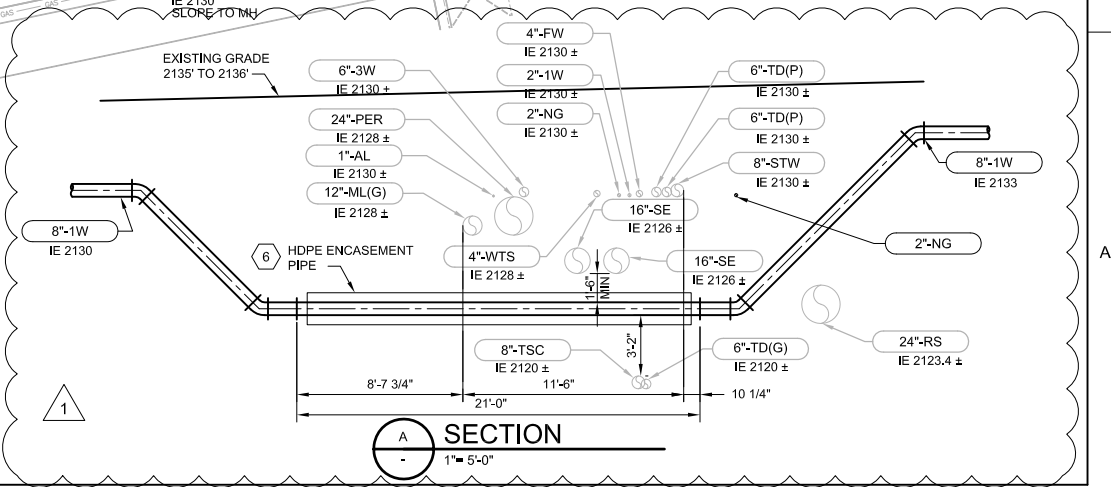
Date \_\_\_\_\_

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- GENERAL NOTES:**
- A. CONTRACTOR IS RESPONSIBLE FOR THE PROTECTION OF ALL EXISTING OVERHEAD AND UNDERGROUND UTILITIES.
  - B. SPECIAL PRECAUTIONS MUST BE USED IN AREAS OF EXISTING PIPING. EXPLORATORY EXCAVATION SHALL BE EXPECTED BY THE CONTRACTOR, INCLUDING "POT HOLLING" TO EXPOSE THE PIPE SURFACE. FIELD VERIFY ALL EXISTING PIPING LOCATIONS AND OR OTHER EXCAVATIONS. NOT ALL EXISTING UTILITIES MAY BE SHOWN. THE CONTRACTOR SHALL INFORM THE OWNER OF SUCH WORK A MINIMUM OF 24 HOURS PRIOR TO COMMENCEMENT OF SUCH WORK.
  - C. PLACE PIPES AT ELEVATIONS NOTED OR AS APPROPRIATE FOR SPECIFIC ELEVATIONS BETWEEN STRUCTURES. REFER TO BUILDING SECTION FOR INVERT OR CENTERLINE ELEVATIONS. FIVE FOOT MINIMUM COVER REQUIRED WHERE ELEVATIONS NOT INDICATED ON YARD PIPING OR DETAIL SHEETS. MAINTAIN SLOPE FOR GRAVITY LINES.
  - D. FOR PIPING ABBREVIATIONS SEE SHEET 0000G03 AND SPECIFICATIONS. SEE PIPING SCHEDULE IN SPECS. FOR MATERIALS APPLICABLE FOR EACH SERVICE.
  - E. PLACE WARNING TAPE ABOVE ALL BURIED PIPE AS SPECIFIED.
  - F. POLYWRAP ALL BURIED DUCTILE IRON PIPE AND TAPE WRAP ALL BURIED STEEL PIPE AS SPECIFIED.
  - G. OVERHEAD ELECTRICAL SERVICE AND BURIED ELECTRICAL AND NATURAL GAS SERVICES NOT NECESSARILY SHOWN. COORDINATE LOCATION AND DEPTH WITH UTILITY COMPANIES AND OWNER.
  - H. THRUST BLOCKS ARE NOT SHOWN. INSTALL THRUST BLOCKS FOR BURIED PRESSURE PIPE PER STANDARD DETAIL 40 05 00-06.
  - I. FOR ALL PIPING PENETRATIONS INTO STRUCTURES SEE STANDARD DETAIL 40 05 00-003 UNLESS NOTED OTHERWISE.
  - J. REROUTE SERVICES TO 8"-1W/12"-1W AS NEEDED.

- KEYNOTES:**
- 1. CONTRACTOR TO INSTALL FLANGED COUPLING ADAPTER AND CONNECT TO EXISTING WATERLINE. CONTRACTOR TO VERIFY INVERT ELEVATIONS OF EXISTING WATERLINE. PRIOR TO WORK COMMENCING CONTRACTOR SHALL DETERMINE PIPE INVERT AND NOTIFY THE OWNER AND ENGINEER.
  - 2. CONTRACTOR TO ABANDON AND REMOVE 8"-1W/12"-1W AS REQUIRED FOR CONSTRUCTION OF FACILITIES. ABANDONED 8"-1W/12"-1W TO BE CAPPED ON BOTH ENDS.
  - 3. ABANDON GAS LINE IN PLACE.
  - 4. NOT USED.
  - 5. AVISTA GAS LINE REROUTE, SEE SHEET 001C101 FOR CONTINUATION. CONTRACTOR SHALL PROVIDE 2-INCH NG PIPING, TRENCH, AND BACKFILL. AVISTA WILL INSTALL NATURAL GAS PIPING.
  - 6. 12" HDPE (PE4710, DR11) ENCASUREMENT.
  - 7. 8"x12" REDUCER.
  - 8. PROVIDE WATER TIGHT CAP AND THRUST BLOCK.



1	07/2017	CPR NO. 6
0	02/01/2017	CONFORMED DOCUMENTS
ISSUE	DATE	DESCRIPTION

PROJECT MANAGER	MICHAEL ZELTNER
CIVIL	T. JENSEN
STRUCTURAL	C. YARN
ARCHITECTURAL	J. RICKERT
PROCESS	R. SCHULTZ
MECHANICAL	K. SUTTON
ELECTRICAL	G. WEISZ
INSTRUMENTATION	G. WEISZ
PROJECT NUMBER	10026247

CONTRACT DOCUMENTS AND SUBSEQUENTLY ISSUED ADDENDA HAVE BEEN MERGED INTO ONE CONFORMING SET OF DOCUMENTS FOR THE CONVENIENCE OF THE CONTRACTOR. THE CONFORMED DOCUMENTS ARE FOR REFERENCE ONLY AND ARE NOT CONTRACT DOCUMENTS. IF INCONSISTENCIES OR AMBIGUITIES BETWEEN THE CONFORMED DOCUMENTS AND THE CONTRACT DOCUMENTS ARE FOUND, THE CONTRACT DOCUMENTS AND ADDENDA SHALL TAKE PRECEDENCE.



City of Coeur d'Alene  
Advanced Wastewater Treatment Facility  
Tertiary Treatment Phase 2

**SITE CIVIL**  
**ENLARGED YARD PIPING PLAN 2 - CHEMICAL SYSTEMS CENTER AREA PIPE LINE REROUTE**

FILENAME | 001C207.dwg  
SCALE | 1" = 5'  
SHEET | **001C207**



CPR 007

VOID

CPR 008

CAUSTIC STATIC MIXER



November 22, 2017

Apollo, Inc.  
1133 West Columbia Drive  
Kennewick, WA 99336

Attn: Amy Jenne

Re: Coeur d'Alene Tertiary Treatment Phase 2 project  
CPR 008 – Caustic Static Mixer  
Engineer's Decision

Amy,

We have reviewed your cost proposal for CPR 008 Caustic Static Mixer. We have found your submitted cost proposal to be acceptable.

A total cost of \$1,172.69 and a total of 0 calendar days will be included in the forthcoming final Change Order.

Sincerely,  
HDR Engineering, Inc.

A handwritten signature in blue ink, appearing to read 'Todd Jensen'.

Todd Jensen, PE, CCM  
*Construction Manager*

cc: Jim Remitz – City of Coeur d'Alene Wastewater Department  
Rickey Schultz – HDR  
Lizzy English – HDR  
Mike Soucie – HDR  
Mary Scalise – HDR



Change Proposal Request No: 008

(Not a Change Order)

**Project Name:**  
CDA Tertiary Ph 2 Improvements

**Project Owner:**  
City of Coeur d'Alene, Idaho

**HDR Project No:**  
10053342

**Owner's Project No. (If applicable):**

**Contractor:**  
Apollo, Inc

**Regulatory Agency Project No. (If applicable):**

**Initiated by:** Engineer

**Date:** 7/5/2017

**Attention:**

The following change in the contract on this project is proposed. Please provide your proposed price for the cost of this change.

- 1) A breakdown of cost SHALL be provided upon request by the Owner or Engineer.
- 2) Work shall not commence until authorized by the Owner.

**Description of Proposed Change:**

- Provide a 3/4" Watts LFU5B Pressure Reducing Valve (Or-Equal) on the 3WT line upstream of solenoid valve SV-570-01. Equipment tag number is PRV-570-01. The pressure reducing valve shall be set to deliver water at approximately 50 psi to allow the caustic pumps to inject the 50% caustic solution into the static mixer.
- Provide a 1/2" tap with cap on the 3WT line downstream of solenoid valve SV-570-01 for installation of a pressure gauge.
- Provide 0-60 psi, 2-1/2 IN diameter dial pressure gauge. Reference Section 40 91 10 – 2.3.D.
- The inlets and outlet of the static mixer shall be fitted with unions to allow for disconnection from the mainline for mixer maintenance. The transition from double walled pipe through unions and connections to the threaded mixer ports is shown on the attached drawings.
- Provide a drip pan (with a valved drain) below the static mixer to provide containment for leaks in the caustic solution system.
- See drawings attached for additional information.

**Section # Filter:**

TODD JENSEN, PE, CCM

By

All work shall be in accordance with the terms, stipulations, and conditions of the original Contract Documents. If the work herein provided for is Approved by Change Order, the time of completion will be:

Increased     Decreased     Unchanged

by \_\_\_\_\_ calendar days.

This change will:  Add     Deduct     Not Change

**HDR Recommendation:**

Recommend Acceptance

Do Not Recommend Acceptance

By: HDR Engineering

Date

**Owner's Action:**

Accepted     Not Accepted

By: Owner

Date

LCP-5299

LEVEL ALARM HIGH

LEVEL

LEVEL ALARM HIGH HIGH

LEVEL ALARM HIGH

LEVEL ALARM LOW

LEVEL ALARM LOW LOW

CP

PBD-5253

TEMPERATURE ALARM HIGH

TEMPERATURE

OPEN COMMAND

Termination Fittings x 2

Schedule 80 PVC & CPVC x 3

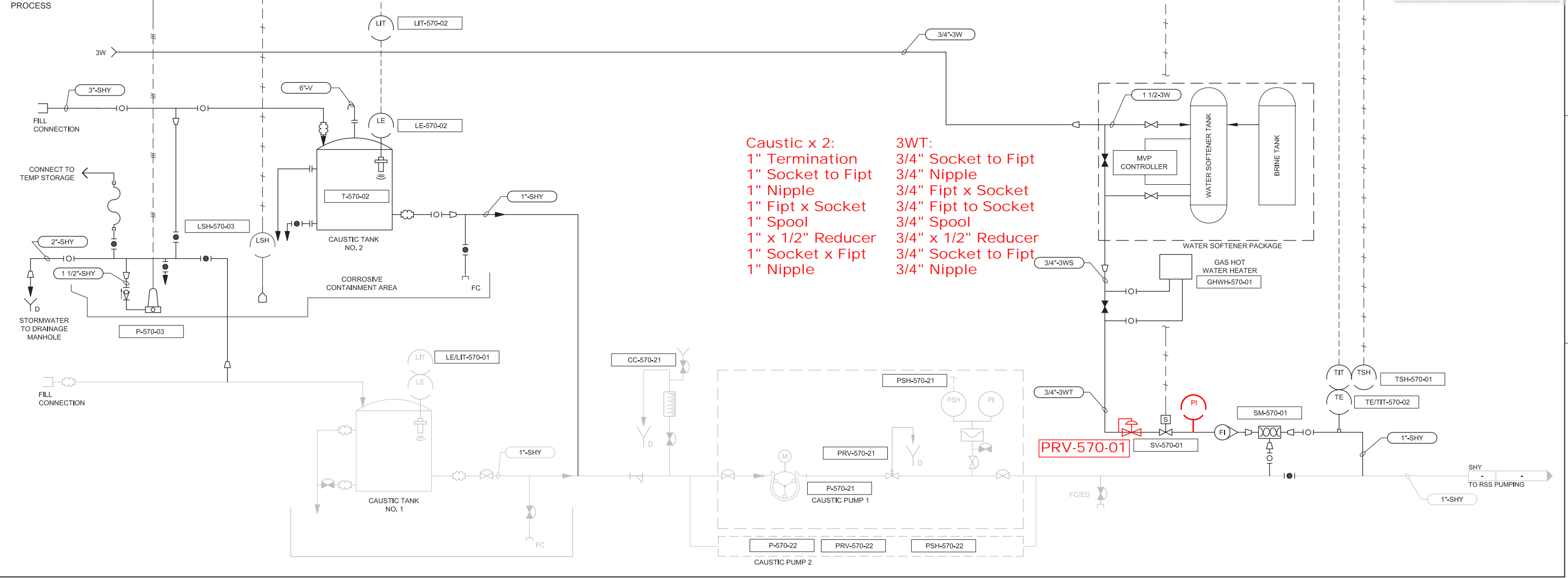
Nipples x 6

Schedule 80 PVC & CPVC x 3

Part Number	Size	Std Pk	Mstr Ctn	Prod Code
DCTM-C005-C020	1/2X2	9	0	470
DCTM-C007-C030	3/4X3	8	0	470
DCTM-C010-C030	1X3	4	0	470
DCTM-C015-C040	1-1/2X4	4	0	470
DCTM-C020-C040	2X4	4	0	470
DCTM-C030-C060	3X6	1	3	470
DCTM-C040-C080	4X8	1	2	470
DCTM-C060-C100	6X10	1	2	470
DCTM-C080-C120	8X12	1	3	470

Part Number	Size	Std Pk	Mstr Ctn	Prod Code
883-005C	3/4X1-1/2	25	300	121
883-015C	3/4X2	25	300	121
883-020C	3/4X2-1/2	25	300	121
883-025C	3/4X3	25	300	121
883-030C	3/4X3-1/2	25	300	121
883-040C	3/4X4	25	300	121
883-045C	3/4X4-1/2	25	200	121
883-050C	3/4X5	25	200	121
883-055C	3/4X5-1/2	25	200	121
883-060C	3/4X6	25	200	121
883-070C	3/4X7	25	200	121
883-080C	3/4X8	25	0	121
883-090C	3/4X9	25	0	121
883-100C	3/4X10	25	0	121

Part Number	Size	Std Pk	Mstr Ctn	Prod Code
884-005C	1XCLOSE	25	300	121
884-020C	1X2	25	300	121
884-025C	1X2-1/2	25	300	121
884-030C	1X3	25	200	121
884-035C	1X3-1/2	25	200	121
884-040C	1X4	25	200	121
884-045C	1X4-1/2	25	200	121
884-050C	1X5	25	0	121
884-055C	1X5-1/2	25	0	121
884-060C	1X6	25	0	121



C:\pwworking\sead1677383\000Y627.dwg\_Plot\_2/10/2017 8:59:38 AM, RPARKE



ISSUE	DATE	DESCRIPTION
0	02/01/2017	CONFORMED DOCUMENTS

PROJECT MANAGER	MICHAEL ZELTNER
CIVIL	T. JENSEN
STRUCTURAL	C. YARN
ARCHITECTURAL	J. RICKERT
PROCESS	R. SCHULTZ
MECHANICAL	K. SUTTON
ELECTRICAL	G. WEISZ
INSTRUMENTATION	G. WEISZ
PROJECT NUMBER	10026247

CONTRACT DOCUMENTS AND SUBSEQUENTLY ISSUED ADDENDA HAVE BEEN MERGED INTO ONE CONFORMING SET OF DOCUMENTS FOR THE CONVENIENCE OF THE CONTRACTOR. THE CONFORMED DOCUMENTS ARE FOR REFERENCE ONLY AND ARE NOT CONTRACT DOCUMENTS, IF INCONSISTENCIES OR AMBIGUITIES BETWEEN THE CONFORMED DOCUMENTS AND THE CONTRACT DOCUMENTS ARE FOUND, THE CONTRACT DOCUMENTS AND ADDENDA SHALL TAKE PRECEDENCE.



City of Coeur d'Alene  
Advanced Wastewater Treatment Facility  
Tertiary Treatment Phase 2

**GENERAL INSTRUMENTATION**  
**CHEMICAL FEED - CAUSTIC P&ID**

0 1" 2"

FILENAME 000Y627.dwg  
SCALE NONE  
SHEET 000Y627



**GENERAL NOTES:**

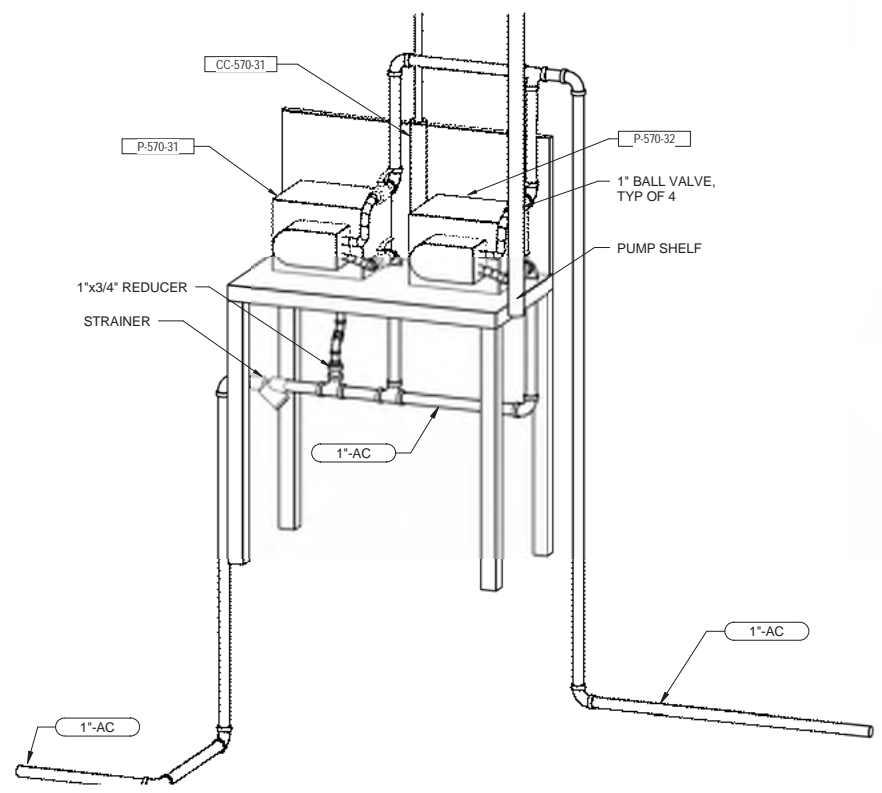
1. ALL PIPING BELOW 3' TO BE FIELD ROUTED BY CONTRACTOR.



**1 ALUM PUMP PHOTO 1**  
570D101 NOT TO SCALE



**2 CAUSTIC AND ALUM PUMPS PHOTO 2**  
570D101 NOT TO SCALE



**3 ALTERNATIVE COAGULANT PUMPING ISOMETRIC**  
570D102 NOT TO SCALE

R:\1677425\267295\_570\_PROCESS.rvt 2/14/2017 3:44:17 PM



ISSUE	DATE	DESCRIPTION
0	02/01/2017	CONFORMED DOCUMENTS

<b>PROJECT MANAGER</b> MICHAEL ZELTNER	
CIVIL	T. JENSEN
STRUCTURAL	T. HAMLIN
ARCHITECTURAL	J. RICKERT
PROCESS	R. SCHULTZ
MECHANICAL	C. SUTTON
ELECTRICAL	G. WEISZ
INSTRUMENTATION	G. WEISZ
<b>PROJECT NUMBER</b>	10026247

CONTRACT DOCUMENTS AND SUBSEQUENTLY ISSUED ADDENDA HAVE BEEN MERGED INTO ONE CONFORMING SET OF DOCUMENTS FOR THE CONVENIENCE OF THE CONTRACTOR. THE CONFORMED DOCUMENTS ARE FOR REFERENCE ONLY AND ARE NOT CONTRACT DOCUMENTS. IF INCONSISTENCIES OR AMBIGUITIES BETWEEN THE CONFORMED DOCUMENTS AND THE CONTRACT DOCUMENTS ARE FOUND, THE CONTRACT DOCUMENTS AND ADDENDA SHALL TAKE PRECEDENCE.



City of Coeur d'Alene  
Advanced Wastewater Treatment Facility  
Tertiary Treatment Phase 2

**CHEMICAL SYSTEM CENTER  
PROCESS  
CHEMICAL PUMPING ISOMETRIC AND PHOTOS**



FILENAME 267295\_570\_PROCESS.rvt  
SCALE As indicated

SHEET  
**570D801**



**/// BUILDING PEOPLE WHO BUILD GREAT THINGS**

**Change Proposal Request Summary**

Project: City of Coeur d'Alene Tertiary Treatment Phase 2  
 Apollo Inc.

CPR No: \_\_\_\_\_  
 Date: \_\_\_\_\_

CPR No: 8  
 Date: 11/15/17

Description	Labor	Mat	Equip.	Subcont. Total	Supp Total	Total
Item 1	\$ 540.36	\$ 603.75	\$ -	\$ -	\$ 14.10	\$ 1,158.21
<b>SUBTOTAL COST &gt;</b>						<b>\$ 1,158.21</b>
Insurance Premium .5% - Changed Work >						\$ 5.79
Bond Premium .75% - Changed Work >						\$ 8.69
<b>TOTAL LUMP SUM COST &gt;</b>						<b>\$ 1,172.69</b>

**Change Proposal Request**  
**Project: City of Coeur d'Alene Tertiary Treatment Phase 2**  
**Apollo Inc.**

**CPR No:** 8  
**Item No:** 1  
**Date:** 11/15/17

*Item Description: Caustic Static Mixer*

Description	Qty	U of M	Rate	Labor	Unit	Rate	Mat	Unit	Rate	Equip.	Subcont. Total	Total
<b>APOLLO - PROJECT SUPERVISION COSTS</b>												
Project Manager	1.0	HR	\$ 90.00	\$ 90.00								\$ 90.00
Project Superintendent	0.0	HR	\$ 79.56	\$ -								\$ -
Yard Piping / Site Earthwork Super	2.0	HR	\$ 68.08	\$ 136.16								\$ 136.16
<b>APOLLO - CRAFT LABOR COSTS</b>												
Pipefitter				\$ -								\$ -
	4.0	HR	\$ 60.93	\$ 243.72								\$ 243.72
<b>APOLLO - MATERIAL COSTS</b>												
Materials	1.0				LS	\$ 525.00	\$ 525.00					\$ 525.00
							\$ -					\$ -
							\$ -					\$ -
Apollo - Subtotal Direct Costs >				\$ 469.88			\$ 525.00			\$ -		\$ 994.88
Markup on Self-Performed Labor, Mat'l's & Equipment >	15.0%			\$ 70.48			\$ 78.75			\$ -		\$ 149.23
<b>SUPPLEMENTAL COSTS</b>												
Special Consultants											\$ -	\$ -
Subsistance for Project Supervision					HR	\$ 11.25	\$ -					\$ -
Temporary Facilities at the Site					LS		\$ -					\$ -
Small Tools	1.0				LS	\$ 14.10	\$ 14.10					\$ 14.10
Subtotal Supplementary Costs >							\$ 14.10				\$ -	\$ 14.10
Markup on Supplementary Costs >	0.0											

<b>Contractor - Total Direct Costs w/Markup &gt;</b>	<b>\$ 1,158.21</b>
Insurance Premium .5% - Changed Work >	\$ 5.79
Bond Premium .75% - Changed Work >	\$ 8.69
<b>TOTAL LUMP SUM COST &gt;</b>	<b>\$ 1,172.69</b>



CPR 009

LIGHT & ALARM POLE RELOCATION



July 11, 2019

Apollo, Inc.  
1133 West Columbia Drive  
Kennewick, WA 99336

Attn: Amy Jenne

Re: Coeur d'Alene Tertiary Treatment Phase 2 project  
CPR 009 – Relocate Light Pole and Signage  
Engineer's Decision

Amy,

We have reviewed your cost proposal for CPR 009 Relocate Light Pole and Signage. We have found your submitted cost proposal to be acceptable. However, we did find that you did not include your 5% markup on your subcontractor MSE or include your Insurance and Bond Premium. This changes your overall cost total from \$950.12 to \$989.84.

A total cost of \$989.84 and a total of 0 calendar days will be included in the forthcoming final Change Order.

Sincerely,  
HDR Engineering, Inc.

A handwritten signature in blue ink, appearing to read 'Todd Jensen'.

Todd Jensen, PE, CCM  
*Construction Manager*

cc: Mike Anderson – City of Coeur d'Alene Wastewater Department  
Rickey Schultz – HDR  
Mike Soucie – HDR  
Mary Scalise – HDR

Change Proposal Request  
 Project: City of Couer d'Alene Tertiary Treatment Phase 2  
 Apollo, Inc.

CPR No: 9  
 Item No: 1  
 Date: 6/19/2019

Item Description: Relocate Light Pole and Signage

Description	Qty	U of M	Rate	Labor	Unit	Rate	Mat	Unit	Rate	Equip	Subcont. Total	Total
<b>APOLLO - PROJECT SUPERVISION COSTS</b>												
Project Manager	2.0	HR	\$ 90.00	\$ 180.00								180.00
Project Superintendent	2.0	HR	\$ 79.56	\$ 159.12								159.12
Yard Piping/ Site Earthwork Super	0.0	HR	\$ 68.08	\$ -								-
<b>APOLLO - CRAFT LABOR COSTS</b>												
Pipefitter	0	HR	\$ 60.93	\$ -								-
<b>APOLLO - MATERIAL COSTS</b>												
	0.0				LS	\$ -	\$ -					\$ -
	0.0				LS	\$ -	\$ -					\$ -
												\$ -
Apollo - Subtotal Direct Costs >				\$ 339.12			\$ -					\$ 339.12
Markup on Self Performed Labor, Materials & Equipement >	0.15			\$ 50.87			\$ -					\$ 50.87
<b>SUBCONTRACTOR COSTS</b>												
	MSE	1									\$ 549.96	\$ 549.96
											\$ -	\$ -
												\$ -
Subtotal Subcontractor Costs >											\$ 549.96	\$ 549.96
Markup on Subcontractor Costs >	0.05										\$ 27.50	\$ 27.50
<b>SUPPLEMENTAL COSTS</b>												
Special Consultants											\$ -	\$ -
Subsistence for Project Supervision					HR	\$ 11.25						\$ -
Temporary Facilities at the Site					LS							\$ -
Small Tools	1.0				LS	\$ 10.17	\$ 10.17					\$ 10.17
Subtotal Supplementary Costs >							\$ 10.17			\$ -		\$ 10.17
Markup on Supplementary Costs >	0.0									\$ -		\$ -

**Contractor - Total Direct Costs w/Markup > \$ 977.62**

Insurance Premium .5% - Changed Work > \$ 4.89

Bond Premium .75% - Changed Work > \$ 7.33

**TOTAL LUMP SUM COST > \$ 989.84**



**/// BUILDING PEOPLE WHO BUILD GREAT THINGS**

**Change Proposal Request Summary**  
 Project: City of Coeur d'Alene Tertiary Treatment Phase 2  
 Apollo Inc.

CPR No: \_\_\_\_\_ CPR No: 9 Rev1  
 Date: \_\_\_\_\_ Date: 06/19/19

Description	Labor	Mat	Equip.	Subcont. Total	Supp Total	Total
Relocate Light Pole and Signage	\$ 389.99	\$ -	\$ -	\$ 549.96	\$ 10.17	\$ 950.12
<b>SUBTOTAL COST &gt; \$</b>						<b>950.12</b>
Insurance Premium .5% - Changed Work >						\$ -
Bond Premium .75% - Changed Work >						\$ -
<b>TOTAL LUMP SUM COST &gt; \$</b>						<b>950.12</b>

Change Proposal Request  
 Project: City of Coeur d'Alene Tertiary Treatment Phase 2  
 Apollo Inc.

CPR No: 9 Rev1  
 Item No: 1  
 Date: 6/19/19

Item Description: Relocate Light Pole and Signage

Description	Qty	U of M	Rate	Labor	Unit	Rate	Mat	Unit	Rate	Equip.	Subcont. Total	Total
<b>APOLLO - PROJECT SUPERVISION COSTS</b>												
Project Manager	2.0	HR	\$ 90.00	\$ 180.00								\$ 180.00
Project Superintendent	2.0	HR	\$ 79.56	\$ 159.12								\$ 159.12
Apollo - Subtotal Direct Costs >				\$ 339.12			\$ -			\$ -		\$ 339.12
Markup on Self-Performed Labor, Mat'ls & Equipment >	15.0%			\$ 50.87			\$ -			\$ -		\$ 50.87
<b>SUBCONTRACTOR COSTS</b>												
MSE	1										\$ 549.96	\$ 549.96
Subtotal Subcontractors Costs >											\$ 549.96	\$ 549.96
Markup on Subcontractor Costs >	0.0%										\$ -	\$ -
<b>SUPPLEMENTAL COSTS</b>												
Special Consultants											\$ -	\$ -
Subsistence for Project Supervision					HR	\$ 11.25	\$ -					\$ -
Temporary Facilities at the Site					LS		\$ -					\$ -
Small Tools	1.0				LS	\$ 10.17	\$ 10.17					\$ 10.17
Subtotal Supplementary Costs >						\$ 10.17					\$ -	\$ 10.17
Markup on Supplementary Costs >	0.0											

Contractor - Total Direct Costs w/Markup > \$ 950.12

Insurance Premium .5% - Changed Work > \$ -

Bond Premium .75% - Changed Work > \$ -

**TOTAL LUMP SUM COST > \$ 950.12**



**TIME and MATERIAL COST**

Request No: 2

Date Of Proposal: 6/19/2019

To: CITY OF CDA - WWTP

Job #: 17-010

Regarding: CPR 009

Job Name: CDA TERTIARY TREATMENT PHASE 2

Attention: AMY JENNE

Work To Be Done:

COST IMPACT PER CPR-009

DOES NOT INCLUDE LABOR TO REMOVE AND RE-INSTALL SITE LIGHTING POLE

**LABOR CLASSIFICATION**

	RATES			HOURS			EXTENDED
	STRAIGHT	OVERTIME	DBL TIME	STRAIGHT	OVERTIME	DOUBLE TIME	
FOREMAN	\$ 70.99	\$ 95.14	\$ 119.29	4.00			\$ 283.96
JOURNEYMAN	\$ 66.50	\$ 88.47	\$ 110.40	4.00			\$ 266.00
APPRENTICE	\$ 41.14	\$ 64.50	\$ 90.55				\$ -
PROJECT MANAGER	\$ 85.00						\$ -
LABOR SUB TOTAL							\$ 549.96

**EQUIPMENT**

COST + 15%	RATES				QUANTITY	EXTENDED
	HOUR	DAY	WEEK	MONTH		
TOOL SUB TOTAL						\$ -

**MATERIAL**

COST + 15%	EXTENDED	
MATERIAL SUB TOTAL		\$ -

**SUB-CONTRACTOR**

COST + 5%	EXTENDED	
SUB-CONTRACTOR SUB TOTAL		\$ -

**Total Proposed Change Order price: \$ 549.96**

Submitted By: DAVE PERRINS, Project Manager Date: 6/19/2019

Approved By: \_\_\_\_\_ Date: \_\_\_\_\_

Title: \_\_\_\_\_



**/// BUILDING PEOPLE WHO BUILD GREAT THINGS**

**Change Proposal Request Summary**  
 Project: City of Coeur d'Alene Tertiary Treatment Phase 2  
 Apollo Inc.

CPR No: \_\_\_\_\_ CPR No: 9 Rev1  
 Date: \_\_\_\_\_ Date: 06/19/19

Description	Labor	Mat	Equip.	Subcont. Total	Supp Total	Total
Relocate Light Pole and Signage	\$ 389.99	\$ -	\$ -	\$ 549.96	\$ 10.17	\$ 950.12
<b>SUBTOTAL COST &gt;</b>						<b>\$ 950.12</b>
Insurance Premium .5% - Changed Work >						\$ -
Bond Premium .75% - Changed Work >						\$ -
<b>TOTAL LUMP SUM COST &gt;</b>						<b>\$ 950.12</b>

Change Proposal Request  
 Project: City of Coeur d'Alene Tertiary Treatment Phase 2  
 Apollo Inc.

CPR No: 9 Rev1  
 Item No: 1  
 Date: 6/19/19

Item Description: Relocate Light Pole and Signage

Description	Qty	U of M	Rate	Labor	Unit	Rate	Mat	Unit	Rate	Equip.	Subcont. Total	Total
<b>APOLLO - PROJECT SUPERVISION COSTS</b>												
Project Manager	2.0	HR	\$ 90.00	\$ 180.00								\$ 180.00
Project Superintendent	2.0	HR	\$ 79.56	\$ 159.12								\$ 159.12
Apollo - Subtotal Direct Costs >				\$ 339.12			\$ -			\$ -		\$ 339.12
Markup on Self-Performed Labor, Mat'ls & Equipment >	15.0%			\$ 50.87			\$ -			\$ -		\$ 50.87
<b>SUBCONTRACTOR COSTS</b>												
MSE	1										\$ 549.96	\$ 549.96
Subtotal Subcontractors Costs >											\$ 549.96	\$ 549.96
Markup on Subcontractor Costs >	0.0%										\$ -	\$ -
<b>SUPPLEMENTAL COSTS</b>												
Special Consultants											\$ -	\$ -
Subsistence for Project Supervision					HR	\$ 11.25	\$ -					\$ -
Temporary Facilities at the Site					LS		\$ -					\$ -
Small Tools	1.0				LS	\$ 10.17	\$ 10.17					\$ 10.17
Subtotal Supplementary Costs >						\$ 10.17					\$ -	\$ 10.17
Markup on Supplementary Costs >	0.0											

Contractor - Total Direct Costs w/Markup > \$ 950.12

Insurance Premium .5% - Changed Work > \$ -

Bond Premium .75% - Changed Work > \$ -

**TOTAL LUMP SUM COST > \$ 950.12**





**TIME and MATERIAL COST**

Request No: 2

Date Of Proposal: 6/19/2019

To: CITY OF CDA - WWTP

Job #: 17-010

Regarding: CPR 009

Job Name: CDA TERITARY TREATMENT PHASE 2

Attention: AMY JENNE

Work To Be Done:

COST IMPACT PER CPR-009

DOES NOT INCLUDE LABOR TO REMOVE AND RE-INSTALL SITE LIGHTING POLE

**LABOR CLASSIFICATION**

	RATES			HOURS			EXTENDED
	STRAIGHT	OVERTIME	DBL TIME	STRAIGHT	OVERTIME	DOUBLE TIME	
FOREMAN	\$ 70.99	\$ 95.14	\$ 119.29	4.00			\$ 283.96
JOURNEYMAN	\$ 66.50	\$ 88.47	\$ 110.40	4.00			\$ 266.00
APPRENTICE	\$ 41.14	\$ 64.50	\$ 90.55				\$ -
PROJECT MANAGER	\$ 85.00						\$ -
LABOR SUB TOTAL							\$ 549.96

**EQUIPMENT**

COST + 15%	RATES				QUANTITY	EXTENDED
	HOUR	DAY	WEEK	MONTH		
TOOL SUB TOTAL						\$ -

**MATERIAL**

COST + 15%	EXTENDED	
MATERIAL SUB TOTAL		\$ -

**SUB-CONTRACTOR**

COST + 5%	EXTENDED	
SUB-CONTRACTOR SUB TOTAL		\$ -

**Total Proposed Change Order price: \$ 549.96**

Submitted By: DAVE PERRINS, Project Manager Date: 6/19/2019

Approved By: \_\_\_\_\_ Date: \_\_\_\_\_

Title: \_\_\_\_\_

CPR 010

TMF FIBER RELOCATION



November 1, 2017

1133 West Columbia Drive  
Kennewick, WA 99336

Attn: Amy Jenne

Re: Coeur d'Alene Tertiary Treatment Phase 2 project  
CPR 010 – TMF Fiber Relocation – Revision 1  
Engineer's Decision

Amy,

We have reviewed your revised cost proposal for CPR 010 TMF Fiber Relocation. We have found your submitted cost proposal to be acceptable.

A total cost of \$1,463.70 and a total of 0 calendar days will be included in the forthcoming final Change Order.

Sincerely,  
HDR Engineering, Inc.

A handwritten signature in blue ink, appearing to read 'Todd R. Jensen'.

Todd Jensen, PE, CCM  
*Construction Manager*

cc: Jim Remitz – City of Coeur d'Alene Wastewater Department  
Rickey Schultz – HDR  
Lizzy English – HDR  
Mike Soucie – HDR  
Mary Scalise – HDR



**/// BUILDING PEOPLE WHO BUILD GREAT THINGS**

**Change Proposal Request Summary**

Project: City of Coeur d'Alene Tertiary Treatment Phase 2  
 Apollo Inc.

CPR No: 10 Rev3

Date: 10/27/17

Description	Labor	Mat	Equip.	Subcont. Total	Supp Total	Total
Item 1	\$ 298.49	\$ -	\$ -	\$ 1,147.14	\$ -	\$ 1,445.63

**SUBTOTAL COST > \$ 1,445.63**

Insurance Premium .5% - Changed Work > \$ 7.23

Bond Premium .75% - Changed Work > \$ 10.84

**TOTAL LUMP SUM COST > \$ 1,463.70**

Change Proposal Request  
 Project: City of Coeur d'Alene Tertiary Treatment Phase 2  
 Apollo Inc.

CPR No: 10 Rev3  
 Item No: 1  
 Date: 10/27/17

Item Description: Fiber Optic Jumpers as needed to complete fiber optic loop per onsite meeting with Trindera, MSE and Interwest 10/26/17. Trindera will be onsite to supervise installation of ju

Description	Qty	U of M	Rate	Labor	Unit	Rate	Mat	Unit	Rate	Equip.	Subcont. Total	Total
<b>APOLLO - PROJECT SUPERVISION COSTS</b>												
Project Manager	2.0	HR	\$ 90.00	\$ 180.00								\$ 180.00
Project Superintendent	1.0	HR	\$ 79.56	\$ 79.56								\$ 79.56
Yard Piping / Site Earthwork Super	0.0	HR	\$ 68.08	\$ -								\$ -
Apollo - Subtotal Direct Costs >				\$ 259.56			\$ -			\$ -		\$ 259.56
Markup on Self-Performed Labor, Mat'ls & Equipment >	15.0%			\$ 38.93			\$ -			\$ -		\$ 38.93
<b>SUBCONTRACTOR COSTS</b>												
Mountain States Electric											\$ 1,092.51	\$ 1,092.51
											\$ -	\$ -
Subtotal Subcontractors Costs >											\$ 1,092.51	\$ 1,092.51
Markup on Subcontractor Costs >	5.0%										\$ 54.63	\$ 54.63
<b>SUPPLEMENTAL COSTS</b>												
Special Consultants											\$ -	\$ -
Subsistance for Project Supervision					HR	\$ 11.25	\$ -					\$ -
Temporary Facilities at the Site					LS		\$ -					\$ -
Small Tools	0.0				LS	\$ -	\$ -					\$ -
Subtotal Supplementary Costs >							\$ -				\$ -	\$ -
Markup on Supplementary Costs >	0.0											

Contractor - Total Direct Costs w/Markup >	\$	1,445.63
Insurance Premium .5% - Changed Work >	\$	7.23
Bond Premium .75% - Changed Work >	\$	10.84
<b>TOTAL LUMP SUM COST &gt;</b>	<b>\$</b>	<b>1,463.70</b>



Change Order Proposal

REVISED

Change Request No: 3

Date Of Proposal: 10/27/2017

To: APOLLO

Job #: 17-010

Regarding: CPR 10

Job Name: CDA TERTIARY TREATMENT PHASE 2

Attention: AMY JENNY / KEVIN BURKE

Work To Be Done:

AS REQUESTED, PER CPR-10:

REVISED: COST IMPACT TO SUPPLY AND INSTALL FIBER OPTIC JUMPERS AS NEEDED TO COMPLETE FIBER OPTIC LOOP. TRINDERA ENGINEERING WILL BE ON SITE TO SUPERVISE INSTALLATION OF JUMPER.

Labor Hours: FOREMAN
JOURNEYMAN
PROJECT MANAGER

Table with columns: Hrs, Rate, and Total Labor Dollars. Rows for Foreman, Journeyman, and Project Manager.

Table for Tools & Equipment Rentals and Material. Includes a SUB TOTAL row.

Table for SUB CONTRACTORS. Includes INTERWEST COMMUNICATION and a SUB CONTRACTOR TOTAL row.

This change requires a time extension of: 0 ( ZERO ) days. Pricing void/subject to revision after... The costs represented in this Change Proposal include only those costs which can be identified at this time. No impact or delay costs are included. Should it be determined that the project is impacted at a later date by multiple changes, delays, or other causes beyond our control, we will submit these at that time.

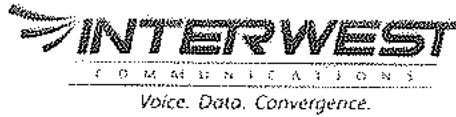
Table for mark ups: LABOR MARK UP, MATERIAL / EQUIPMENT MARK UP, SUB CONTRACTOR. Includes a Subtotal row.

Total Proposed Change Order price: \$ 1,092.51

Submitted By: DAVE PERRINS Date: 10/27/2017

Approved By: Date:

Title:



**CPR-010**

Client:	<b>Mountain States Electrical Contractors</b>	Proposal Date:	October 27, 2017
Project:	CdA WWTP - Provide and patch in existing Fiber	Expires:	November 26, 2017

Job Address: Coeur d' Alene, ID

**Scope of Work/Assumptions:**

- Install 4 - Duplex Multi Mode ST fiber patch cords.
- All work is to be performed during normal business hours-Monday – Friday, 7am to 5pm.

**Exclusions:**

- All conduit and raceway is excluded.
- All active network and control hardware is excluded.
- This bid is based on working with Spencer Goodall (Trindera) onsite the day of the installation.

This proposal is being quoted per project drawings and customer specifications as follows:

Qty	Item Description
4	ST-ST Fiber Patch Cable, OM1

**\$ 719.10** (Plus Tax)      Quote Valid Until: >    November 26, 2017

Thank you for considering Interwest Communications for your structured cabling and technology needs. If you have any questions, please contact me at (509) 663-1900 ext. 103.

Mike Bohr

Acceptance of Proposal:

Signature	Title/Date
-----------	------------

Print Name	PO Number
------------	-----------



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**Change Proposal Request No: 010****(Not a Change Order)****Project Name:**

CDA Tertiary Phase 2 Improvements

**Project Owner:**

City of Coeur d'Alene, Idaho

**HDR Project No:**

10053342

**Owner's Project No. (If applicable):****Contractor:**

Apollo, Inc

**Regulatory Agency Project No. (If applicable):****Initiated by:** Engineer    **Date:** 7-05-2017

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**Attention:**

The following change in the contract on this project is proposed. Please provide your proposed price for the cost of this change.

- 1) A breakdown of cost SHALL be provided upon request by the Owner or Engineer.
- 2) Work shall not commence until authorized by the Owner.

**Description of Proposed Change:**

1. The Coeur d' Alene Advanced Wastewater Treatment Facility currently operates its communications ring network via fiber optic interconnections. During the 5C.1 phase upgrade, a radial line was installed from the Tertiary Membrane Facility to the Administration Building via the Secondary Control Building 1. This connection ties the GE CP-01 control panel to the existing SCADA network. The TMF LCP-610 currently is not ring connected on the plant fiber network. The LCP-610 control panel shall be integrated into the existing fiber ring network to finalize the SCADA fiber ring and provide redundancy and reliability of the fiber communications system.
2. The work as described, but not limited to, the following:
  - a. Located within the existing Secondary Control Building 1 (SCB1) fiber patch panel (PS), install new connection jumper wires in patch panel (PS) as to connect Tertiary Membrane Facility (TMF), LCP-610, through TMF fiber patch panel (PT) to Administration (Admin) patch panel (PH). TMF fiber conduit T-601-01FO connects the 12-strand multimode fiber conductor to the SCB1 patch panel (PS).
  - b. Located within the existing Administration Building (Admin) patch panel (PH), relocate/modify connections to modify the fiber communication ring and install terminal jumper wire where necessary as to include new TMF connections from SCB1 patch panel (PS).
  - c. TMF patch panel (PT) shall be included into fiber ring between Preliminary Treatment patch panel (PA) and SCB1 patch panel (PS) via patch panel (PH) located in the Administration building.
  - d. Include testing and startup of the ring topology modifications for the TMF addition per Specification Section 26 08 13 1.2.A (4) and 3.2.E.

Note: Archived fiber ring network diagram is located in the 5C.1 As-Built binder located in the Administration library, sheet 000E04.

**Section # Filter:**

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**Spencer Goodall, E.I.T.**

By



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All work shall be in accordance with the terms, stipulations, and conditions of the original Contract Documents. If the work herein provided for is Approved by Change Order, the time of completion will be:

Increased     Decreased     Unchanged

by \_\_\_\_\_ calendar days.

This change will:  Add     Deduct     Not Change

---

**HDR Recommendation:**

Recommend Acceptance

Do Not Recommend Acceptance

---

By: Trindera Engineering (TEI)

---

Date

**Owner's Action:**

Accepted     Not Accepted

---

By: Owner

---

Date

CPR 011

TMF – PIPING, EXISTING CONCRETE REPAIR



November 20, 2018

Apollo, Inc.  
1133 West Columbia Drive  
Kennewick, WA 99336

Attn: Amy Jenne

Re: Coeur d'Alene Tertiary Treatment Phase 2 project  
CPR 011 – Tertiary Membrane Facility Piping  
Engineer's Decision

Amy,

We have reviewed your cost proposal for CPR 011 – Tertiary Membrane Facility Piping. We have found your submitted cost proposal to be acceptable with minor changes to the following labor rates:

1. The agreed upon rate for Carpenter Foreman is \$43.52. The amount listed for Corrective Concrete Work and MSA piping is \$48.32.
2. The agreed upon rate for Pipefitter is \$60.93 but listed as \$61.00 for MSA piping.

These adjustments have changed the total for CPR 011 from \$103,652.89 to \$103,349.65.

A total cost of \$103,349.65 and a total of 0 calendar days will be included in the forthcoming final Change Order.

Sincerely,  
HDR Engineering, Inc.

Todd Jensen, PE, CCM  
*Construction Manager*

cc: Jim Remitz – City of Coeur d'Alene Wastewater Department  
Rickey Schultz – HDR  
Mike Soucie – HDR  
Mary Scalise – HDR



Change Proposal Request No: 011

(Not a Change Order)

**Project Name:**

CDA Tertiary Ph 2 Improvements

**HDR Project No:**

10053342

**Contractor:**

Apollo, Inc

**Project Owner:**

City of Coeur d'Alene, Idaho

**Owner's Project No. (If applicable):****Regulatory Agency Project No. (If applicable):****Initiated by:** Contractor**Date:** 12/01/2017**Attention:**

The following change in the contract on this project is proposed. Please provide your proposed price for the cost of this change.

- 1) A breakdown of cost SHALL be provided upon request by the Owner or Engineer.
- 2) Work shall not commence until authorized by the Owner.

**Description of Proposed Change:**

The following work aligns with the response to RFI 17 TMF Facility Process Piping. Please provide pricing before work begins, with the exception of the installation of any filler/wedge flanges which will be priced on a Time and Materials basis (*italicized wording are comments/questions from Contractor*).

**Corrective Concrete Work to existing Membrane Tank Walls:**

1. Contractor shall provide a list and description of each item thought to be corrective work performed that was unforeseen concerning concrete work to existing Membrane Tank Walls. Provide a timesheet logging the hours specifically associated with each entry on the list for review and concurrence with the on-site RPR.

**Raise Bottom of Sump:**

1. Add Normal Weight – all other concrete with 28 day compressive strength of 4,500 psi to bottom of tank drain sump to match invert of 6 inch tank drain piping. See Specification Section 03 31 30 – 2.3 Table 1. The piping is currently higher than the sump bottom which will prevent proper draining of sump contents. Ensure the bottom of sump slopes towards the piping.

**MSA Piping:**

1. Loosen link seal of existing 8-inch MSA piping wall spool pieces. Add five 8-inch spools to existing exterior MSA piping manifolds to move the interior centerline one foot further away from the face of interior south wall. Use grooved coupling at point of connection exterior to the building to facilitate proper piping alignment and a level two hole configuration at the flanges.
2. Remove three existing air inlet boxes on south wall of TMF Facility. Block off existing openings with sheet metal to accommodate new inlet filter box provided by MSA blower manufacturer. Fabricate an inlet adapter to transition from inlet filter box to 16-inch MSA inlet piping. Provide drawings of inlet adapter with cost proposal for Engineer's review.

**Permeate Piping:**

1. *The existing south wall spools do not align with each other, are not properly aligned horizontally or vertically, and are not square with the grid layout.* Contractor shall avoid removing flanges on existing piping. Contractor shall loosen link seal and align piping properly. Also, achieve proper level two hole orientation with the exterior flanges, and facilitate the interior flanged connection with a grooved to flanged adapter on the new piping.
2. *The existing 20-inch PER pipe at centerline elevation 2138.42 feet is not level.* Contractor shall install a filler/wedge flange with a width of 2 inches or less at the point of connection to bring new 20-inch PER piping level.

**10-inch BW Piping:**

1. *Existing manifold is not parallel with wall/grid layout lines.* Contractor shall install a filler/wedge flange with a width of 2 inches or less at the point of connection to bring new 10-inch BW piping parallel with wall/grid layout lines.

**Backpulse/CIP Pumps:**

1. *Plans indicate the existing discharge connect to be 6 inches. Flowserve pump drawings indicated the discharge to be 6-inch. The existing discharge size is 4-inch.* Contractor shall provide new pipe section and flexible bellow from the pump discharge to the existing check valve above to make the 6-inch connection.
2. *Contract Drawing 610D301, Section F shows no modification to the existing suction piping for the new pump "swap out" and did not provide the size of the existing suction piping.* This issue was not discovered until the new pumps were delivered. The existing suction piping is 6-inch. The new pump suction flange diameter is 8-inch. For each backpulse pump:

- a. Remove existing 6-inch bellow on suction side of pump.
- b. Remove suction piping from bellow to existing 12-inch butterfly valve.
- c. Provide 8-inch bellow on suction side of pump. See Specification Sections 40 05 00 and 40 05 23.
- d. Provide new 8-inch backwash piping, 12" x 8" eccentric reducer, and 12-inch 90 degree elbow to existing 12-inch butterfly valve. See Specification Sections 40 05 00 and 40 05 23.
- e. Reinstall existing pressure gage on top of new reducer. See Standard Detail 40 91 10-16.

**Plant Drain & Other Piping Systems at Strainer:**

1. *New plant drain piping at 2 line conflicts with existing HVAC duct discharge vent.* Contractor shall raise HVAC duct discharge and vent above elevation of PC line.
2. *On the 10-inch PRG piping near the strainer where the check valve is relocated, the check valve will be in contact with the existing installed non-potable plant water line.* Contractor shall reroute the existing non-potable plant water line.
3. *The two 18-inch SE pipes at each strainer are not parallel and elevations differ. They get further apart where the spool and fittings are being connected for the new strainer.* Installation of a FCA is not acceptable. Contractor shall install a dismantling joint, similar to Romac Style DJ400, in new spool piece near area C7 on Sheet 610D104 to bring the two 18-inch SE pipes parallel and accommodate installation of new SE piping.

**3W Piping:**

1. *8-inch 3W pipe spool at A line near 5 line is not installed horizontally and the flange is not vertical.* FCA is not acceptable. Contractor shall install a dismantling joint, similar to Romac Style DJ400, in new 8-inch 3W line to provide adjustment at tie-in.

**Tank Drain Piping Elevation and Manifold Corrections**

1. The tank drain piping inverts as they penetrate the wall into the TMF basement are below the inverts of the 6-inch drain manifold tie-in points. Contractor shall raise the 6-inch drain manifold piping by cutting out a portion of the existing vertical spool.
  - a. Correct the elevations and re-groove the vertical spool and reuse the victaulic by flange adaptor.
  - b. A neoprene or approved material pipe support, with shims if necessary, shall be used to vertically support the piping in the new space created between the piping and the concrete pillars.
  - c. As the manifold is raised, the attached piping on the south side of the tee will also be raised, and these associated flanges will interfere with the existing grating. Provide cut outs in the grating and band the raw edges using flat bar.
  - d. Provide touch-up paint as necessary for finished product.

**Six inch 3W Piping Interference with Strainer Removal**

1. Sheet 610D104 in the Contract Drawings show the 6-inch 3W piping being routed to within interference of the where the strainer STR-6102-21 would be raised vertically when removed.
  - a. Correct the routing of the 6-inch 3W to be sufficiently moved southwest of the area directly above the strainer.
  - b. For pipe support reuse any available existing hangers and Unistruts to perform the relocation, otherwise provide costs for purchase of new hangers or Unistruts.
  - c. Purchase and install a 6-inch check valve in orientation and at location as directed by RPR.
  - d. Provide costs for re-order of new 6-inch spool to accommodate the shorter dimensions between fittings as a direct result of shifting the pipe horizontally, approximately 8 inches, and installing a 6-inch check valve.
  - e. Provide touch-up paint as necessary for finished product.

**UV System Reconfiguration Additional Piping**

1. Sheet 610D104 in the Contract Drawings provides a layout for the UV system including the pumps and associated control panel. The wiring for the pumps to reach the control panel was too short to accommodate the layout provided on sheet 610D104, thus a reconfiguration was necessary.
  - a. Provide cost for additional piping that was necessary to accommodate reconfiguration.

TODD JENSEN, PE, CCM

By \_\_\_\_\_

All work shall be in accordance with the terms, stipulations, and conditions of the original Contract Documents. If the work herein provided for is Approved by Change Order, the time of completion will be:

Increased     Decreased     Unchanged

by \_\_\_\_\_ calendar days.

This change will:  Add     Deduct     Not Change

\_\_\_\_\_

**HDR Recommendation:**

Recommend Acceptance

Do Not Recommend Acceptance

By: HDR Engineering

Date

**Owner's Action:**

Accepted     Not Accepted

By: Owner

Date



**/// BUILDING PEOPLE WHO BUILD GREAT THINGS**

**Change Proposal Request Summary**  
 Project: City of Coeur d'Alene Tertiary Treatment Phase 2  
 Apollo Inc.

CPR No: \_\_\_\_\_ CPR No: 11  
 Date: \_\_\_\_\_ Date: 09/07/18

Description	Labor	Mat	Equip.	Subcont. Total	Supp Total	Total
Item 1	\$ 12,153.49	\$ 1,031.55	\$ 1,956.15	\$ -	\$ 317.05	\$ 15,458.24
Item 2	\$ 272.55	161.00	-	-	7.11	440.66
Item 3	\$ 14,722.30	\$ 989.23	\$ 1,679.00	\$ 7,039.55	\$ 384.06	\$ 24,814.14
Item 4	\$ 4,650.60	12,213.00	-	-	121.32	16,984.92
Item 5	\$ 7,016.15	\$ 8,797.50	\$ -	\$ 252.00	\$ 183.03	\$ 16,248.68
Item 6	\$ 13,307.80	6,401.77	86.25	-	347.16	20,142.98

<b>SUBTOTAL COST &gt; \$ 94,089.62</b>	
Insurance Premium .5% - Changed Work >	\$ 470.45
Bond Premium .75% - Changed Work >	\$ 705.67
<b>TOTAL LUMP SUM COST &gt; \$ 95,265.74</b>	

**Change Proposal Request**  
**Project: City of Coeur d'Alene Tertiary Treatment Phase 2**  
**Apollo Inc.**

**CPR No:** 11  
**Item No:** 1  
**Date:** 9/7/18

*Item Description: Corrective Concrete Work to existing Membrane Tank Walls*

Description	Qty	U of M	Rate	Labor	Unit	Rate	Mat	Unit	Rate	Equip.	Subcont. Total	Total
<b>APOLLO - PROJECT SUPERVISION COSTS</b>												
Project Manager	4.0	HR	\$ 90.00	\$ 360.00								\$ 360.00
Project Superintendent	31.0	HR	\$ 80.00	\$ 2,480.00								\$ 2,480.00
Yard Piping / Site Earthwork Super	9.0	HR	\$ 68.00	\$ 612.00								\$ 612.00
<b>APOLLO - CRAFT LABOR COSTS</b>												
<b>Carpenters</b>												
Carpenter	40.0	HR	\$ 38.50	\$ 1,540.00								\$ 1,540.00
<b>Laborers</b>												
Foreman	41.5	HR	\$ 45.00	\$ 1,867.50								\$ 1,867.50
General	107.5	HR	\$ 34.50	\$ 3,708.75								\$ 3,708.75
<b>APOLLO - OTHER EQUIPMENT COSTS</b>												
Roto Hammer	64.5							HR	\$ 10.00	\$ 645.00		\$ 645.00
Electric Man Lift	3.0							DY	\$ 220.00	\$ 660.00		\$ 660.00
Hepa Vac	28.5							HR	\$ 6.00	\$ 171.00		\$ 171.00
Injection Equipment	1.5							EA	\$ 150.00	\$ 225.00		\$ 225.00
<b>APOLLO - MATERIAL COSTS</b>												
Grout	5.0				LS	\$ 15.00	\$ 75.00					\$ 75.00
Concrete	1.0				LS	\$ 150.00	\$ 150.00					\$ 150.00
Grinding Disks	14.0				EA	\$ 3.00	\$ 42.00					\$ 42.00
Injection Product	2.0				GLN	\$ 125.00	\$ 250.00					\$ 250.00
Packers	40.0				EA	\$ 2.25	\$ 90.00					\$ 90.00
Roto Hammer Bits	3.0				EA	\$ 40.00	\$ 120.00					\$ 120.00
Cutoff wheels	6.0				EA	\$ 25.00	\$ 150.00					\$ 150.00
Chipper Bits	1.0				EA	\$ 20.00	\$ 20.00					\$ 20.00
							\$ -					\$ -
Apollo - Subtotal Direct Costs >				\$ 10,568.25			\$ 897.00			\$ 1,701.00		\$ 13,166.25
Markup on Self-Performed Labor, Mat'ls & Equipment >	15.0%			\$ 1,585.24			\$ 134.55			\$ 255.15		\$ 1,974.94
<b>SUPPLEMENTAL COSTS</b>												
Special Consultants											\$ -	\$ -
Subsistence for Project Supervision					HR	\$ 11.25	\$ -					\$ -
Temporary Facilities at the Site					LS	\$ -	\$ -					\$ -
Small Tools	1.0				LS	\$ 317.05	\$ 317.05					\$ 317.05
Subtotal Supplementary Costs >							\$ 317.05				\$ -	\$ 317.05
Markup on Supplementary Costs >	0.0											

<b>Contractor - Total Direct Costs w/Markup &gt;</b>	<b>\$ 15,458.24</b>
Insurance Premium .5% - Changed Work >	\$ 77.29
Bond Premium .75% - Changed Work >	\$ 115.94
<b>TOTAL LUMP SUM COST &gt;</b>	<b>\$ 15,651.46</b>





## EXTRA WORK ORDER

CUSTOMER: City of Coeur d'Alene				EWO:	
ADDRESS:				Job #: P 162	
WORK ORDERED BY: HOR/City of CDA				JOB NAME: CDA Tertiary Treatment Ph. 2	
Description of Work: Remove rebar and patch at TMF gate cutouts at membrane tanks #3 thru #6. Remove watershed in cutout area. Water stop removal part of contract. KN/B				DATE: 1/3 → 1/5/18 DAY:	
CPR 11 2/18					
LABOR				EQUIPMENT USED	
NAME	CLASS	HOURS		DESCRIPTION	HOURS
		ST	OT		
Brent Stewart	lab	4		Grinders x 2	
Ben Landis	Carp	8			
Craig Jeanne	Super Carp	3			
Ben Landis	Carp	8	KNB	Reduce because of WS. It was part of contract	
Craig Jeanne	Super Carp	6			
Ben Landis	Carp	4			
				TOTAL EQUIPMENT	
CONTRACT MATERIALS				SUBCONTRACTOR	
DESCRIPTION	QUANTITY	PRICE			
Grinding wheels	3 X	\$3.00			
Criming wheels	3 X	\$3.00			
Diamond cut off wheels	2 X	\$25.00			
Grout	2 X	\$15			
				TOTAL SUBCONTRACTOR	
OFFICE USE ONLY: COST SUMMARY					
				LABOR	
				MATERIALS	
				EQUIPMENT	
				TRUCK RENTAL/SUBCONTRACTOR	\$ -
				SUB-TOTAL	\$ -
				CH&P - LABOR	\$ -
				CH&P - EQUIPMENT	\$ -
				CH&P - MATERIALS	\$ -
				CH&P - TRUCK RENTAL/SUBCONTRACTOR	\$ -
TOTAL OUTSIDE MATERIALS				TOTAL AMOUNT	\$ -

*Mark Bunker*  
Submitted by Apollo Representative

*Mike Spivey*  
Authorized By Project Representative





### EXTRA WORK ORDER

CUSTOMER: City of Coeur d'Alene	EWO:
ADDRESS:	Job #: P 162
WORK ORDERED BY: HDR / City of CDA	JOB NAME: CDA Tertiary Treatment Ph. 2
	DATE: 1/8-1/10/18 DAY:

Description of Work: *Remove rebar and patch at TMF bulkhead wall at Clinic and 3 lin.*  
*Also remove/patch form savers w/ff.*

NAME	CLASS	LABOR HOURS		EQUIPMENT USED DESCRIPTION	HOURS
		ST	OT		
1/8 Brent Stewart	Lab	4		Hilti chipping gun	12
1/8 Bruce James Cantrell	Carp	4		grinder	6
1/9 Brent Stewart	Lab	8			
1/9 Bruce Cantrell	carp	6			
1/10 Brent Stewart	Lab	3			
1/10 Bruce Cantrell	carp	3			
TOTAL EQUIPMENT					

CONTRACT MATERIALS		SUBCONTRACTOR	
DESCRIPTION	QUANTITY	PRICE	
Chipping bits	1 X	\$20	
Cut off wheels	10 X	\$3.00	
Graut	2 X	\$15	
TOTAL SUBCONTRACTOR			

OFFICE USE ONLY: COST SUMMARY	
LABOR	
MATERIALS	
EQUIPMENT	
TRUCK RENTAL/SUBCONTRACTOR	\$ -
SUB-TOTAL	\$ -
OH&P - LABOR	\$ -
OH&P - EQUIPMENT	\$ -
OH&P - MATERIALS	\$ -
OH&P - TRUCK RENTAL/SUBCONTRACTOR	\$ -
TOTAL OUTSIDE MATERIALS	
TOTAL AMOUNT	\$ -

*[Signature]*  
 Submitted by Apollo Representative

*[Signature]*  
 Authorized By Project Representative



## EXTRA WORK ORDER

CUSTOMER: City of Coeur d'Alene	EWO:
ADDRESS:	Job #: P 162
WORK ORDERED BY: HDR	JOB NAME: CDA Tertiary Treatment Ph. 2
	DATE: DAY:

Description of Work: *Modify and repair existing concrete at TMF. Make adjustments at top of walls for FRP cover installation. Adjust concrete at new to old concrete construction joints to be compatible with coating installation. From 7/20 through 7/28.*

NAME	LABOR			EQUIPMENT USED	
	CLASS	ST	OT	DESCRIPTION	HOURS
<i>Byron Walker</i>	<i>lab</i>	<i>9</i>			
<i>Brian Greutfelder</i>	<i>lab</i>	<i>21</i>		<i>Rental electric man lifts</i>	
<i>James Bruce Conrall</i>	<i>Carp</i>	<i>6</i>		<i>x 2</i>	
<i>Ben Landis</i>	<i>Carp</i>	<i>6</i>		<i>2 roto hammers with bush heads</i>	
				<i>2 grinders with diamond blades</i>	
				TOTAL EQUIPMENT	

CONTRACT MATERIALS				SUBCONTRACTOR	
DESCRIPTION	QUANTITY	PRICE			
<i>Grout</i>	<i>1</i>				
				TOTAL SUBCONTRACTOR	

OFFICE USE ONLY: COST SUMMARY					
LABOR					
MATERIALS					
EQUIPMENT					
TRUCK RENTAL/SUBCONTRACTOR					
SUB-TOTAL					
OH&P - LABOR					
OH&P - EQUIPMENT					
OH&P - MATERIALS					
OH&P - TRUCK RENTAL/SUBCONTRACTOR					
TOTAL OUTSIDE MATERIALS				TOTAL AMOUNT	\$ -

*Mark Bunker*  
Submitted by Apollo Representative

*Mike Souice*  
Authorized By Project Representative





## EXTRA WORK ORDER

CUSTOMER: City of Coeur d'Alene				EWO:	
ADDRESS:				Job #: P 162	
WORK ORDERED BY: HDR				JOB NAME: CDA Tertiary Treatment Ph. 2	
Description of Work: <i>Modify and repair existing concrete at TMF. Make adjustments at top of walls for FRP cover installation. Adjust concrete at need to old concrete construction joints for compatibility at construction joints. Prep, pour and finish concrete fills at 4 sumps to invert of 6" drain pipe. From 7/31 through 8/4.</i>				DATE: DAY:	
LABOR			EQUIPMENT USED		
NAME	CLASS	HOURS		DESCRIPTION	HOURS
<i>Brian Greenfelder</i>	<i>Lab</i>	<i>17.5</i>			
<i>Byron Walker</i>	<i>Lab</i>	<i>11</i>			
<i>Wylie Jones</i>	<i>Lab</i>	<i>2</i>			
				TOTAL EQUIPMENT	
CONTRACT MATERIALS			SUBCONTRACTOR		
DESCRIPTION	QUANTITY	PRICE			
<i>Concrete 306 567 Mix</i>	<i>1 cubic yard</i>				
				TOTAL SUBCONTRACTOR	
OFFICE USE ONLY: COST SUMMARY					
				LABOR	
				MATERIALS	
				EQUIPMENT	
				TRUCK RENTAL/SUBCONTRACTOR	\$ -
				SUB-TOTAL	\$ -
				OH&P - LABOR	\$ -
				OH&P - EQUIPMENT	\$ -
				OH&P - MATERIALS	\$ -
				OH&P - TRUCK RENTAL/SUBCONTRACTOR	\$ -
TOTAL OUTSIDE MATERIALS				TOTAL AMOUNT	\$ -

*Memo Clarke*

Submitted by Apollo Representative

*Wylie Jones*

Authorized By Project Representative



## EXTRA WORK ORDER

NC

CUSTOMER: City of Coeur d'Alene	EWO:
ADDRESS:	Job #: P 162
WORK ORDERED BY: HDR	JOB NAME: CDA Tertiary Treatment Ph. 2
	DATE: DAY:

Description of Work: *TMF - Correct existing concrete at SOB and walls to allow new concrete to be in correct alignment at tie in locations. Drill and epoxy dowels at missing or mis aligned existing form savers in walls, SOB and SAB.*

*C.P.A. 11 out/8.*

NAME	LABOR			EQUIPMENT USED	
	CLASS	ST	OT	DESCRIPTION	HOURS
<i>Per attachment</i>				<i>Hilti roto hammer x 2</i>	
				<i>Hilti grinders and</i>	
				<i>Hepe vac. x 2</i>	
				TOTAL EQUIPMENT	

CONTRACT MATERIALS				SUBCONTRACTOR	
DESCRIPTION	QUANTITY	PRICE			
<i>Hilti bush hammers</i>	<i>2</i>				
<i>SDS Max</i>					
<i>Hilti diamond grinding disks</i>	<i>2</i>				
				TOTAL SUBCONTRACTOR	

OFFICE USE ONLY: COST SUMMARY					
LABOR					
MATERIALS					
EQUIPMENT					
TRUCK RENTAL/SUBCONTRACTOR				\$	-
SUB-TOTAL				\$	-
CH&P - LABOR				\$	-
CH&P - EQUIPMENT				\$	-
CH&P - MATERIALS				\$	-
CH&P - TRUCK RENTAL/SUBCONTRACTOR				\$	-
TOTAL OUTSIDE MATERIALS				TOTAL AMOUNT	\$ -

*[Signature]*  
Submitted by Apollo Representative

*[Signature]*  
Authorized By Project Representative



TMF - correct elevation and alignment of existing SOG and walls. This includes layout, bushing and grouting of the existing SOG and starter walls.

Date	Name	Phase code	activity
4-17	Brent Stewart	0364	3hr lay out SOG lines for bushing
4-17	Brent Stewart	0366	3hrs lay out walls for bushing
4-19	Art Elwell	9901	8hrs bushing SOG
4-19	Brent Stewart	0106	2.5hrs bushing SOG
4-20	Art Elwell	9901	8hrs bushing SOG
4-24	Brent Stewart	0366	3hr align walls
4-24	Art Elwell	0366	3hrs align walls
4-25	Brent Stewart	9901	2hrs floor to wall alignment
4-25	Art Elwell	9901	2hrs floor to wall alignment
4-27	Brent Stewart	0366	4 hrs wall alignment
4-27	Art Elwell	0366	4 hrs wall alignment
4-28	Brent Stewart	0366	5 hrs wall alignment
4-28	Art Elwell	0366	5 hrs wall alignment
5-17	Art Elwell	0364	6 hrs drilling rebar dowels at missing or misaligned locations
5-18	Art Elwell	0364	4hrs drilling rebar dowels at missing or misaligned locations



## EXTRA WORK ORDER

CUSTOMER: City of Coeur d'Alene	EWO:
ADDRESS:	Job #: P 162
WORK ORDERED BY: HDR	JOB NAME: CDA Tertiary Treatment Ph. 2
	DATE: DAY:

Description of Work: *Inject leaks at TMF of existing to new concrete wall construction with existing WS. The 1st cycle has the hours separated between a contract and changed work. The 2nd cycle was all changed work.*

NAME	LABOR			EQUIPMENT USED	
	CLASS	ST	OT	DESCRIPTION	HOURS
<i>Kevin Bunke - drilling 7/19</i>		<i>3</i>			
<i>Kevin Bunke - inject 7/20</i>		<i>2</i>		<i>Injection equipment</i>	
<i>Byron Walker - set 7/20</i>		<i>2</i>		<i>1.5 injection cycles</i>	
<i>Byron Walker - set 7/25</i>		<i>2</i>		<i>@ \$150. per cycle</i>	<i>\$225.00</i>
<i>Kevin Bunke - inject 7/25</i>		<i>2</i>			
<i>Byron Walker - set 7/26</i>		<i>1</i>			
<i>Byron Walker - packers 7/27</i>		<i>2</i>			
				TOTAL EQUIPMENT	

CONTRACT MATERIALS			SUBCONTRACTOR	
DESCRIPTION	QUANTITY	PRICE		
<i>Injection product</i>	<i>2 gal</i>	<i>\$125</i>		
		<i>x 2</i>		
		<i>\$250.00</i>		
			TOTAL SUBCONTRACTOR	

OFFICE USE ONLY: COST SUMMARY			
<i>Packers</i>	<i>40</i>	<i>\$2.25</i>	
		<i>x 40</i>	
		<i>\$9.00</i>	
<i>1/2 x 18" rotokammer bits</i>	<i>3 x 40</i>	<i>\$120.00</i>	
TOTAL OUTSIDE MATERIALS			
TOTAL AMOUNT			\$ -

LABOR	
MATERIALS	
EQUIPMENT	
TRUCK RENTAL/SUBCONTRACTOR	\$ -
SUB-TOTAL	\$ -
OH&P - LABOR	\$ -
OH&P - EQUIPMENT	\$ -
OH&P - MATERIALS	\$ -
OH&P - TRUCK RENTAL/SUBCONTRACTOR	\$ -

*Kevin Bunke*  
Submitted by Apollo Representative

*W. A. Somie*  
Authorized By Project Representative

Change Proposal Request  
 Project: City of Coeur d'Alene Tertiary Treatment Phase 2  
 Apollo Inc.

CPR No: 11  
 Item No: 2  
 Date: 9/7/18

Item Description: Raise Bottom of Sump

Description	Qty	U of M	Rate	Labor	Unit	Rate	Mat	Unit	Rate	Equip.	Subcont. Total	Total
<b>APOLLO - PROJECT SUPERVISION COSTS</b>												
Project Manager		HR	\$ 90.00	\$ -								\$ -
Project Superintendent	2.0	HR	\$ 80.00	\$ 160.00								\$ 160.00
Yard Piping / Site Earthwork Super		HR	\$ 68.00	\$ -								\$ -
<b>APOLLO - CRAFT LABOR COSTS</b>												
<b>Carpenters</b>												
Carpenter	2.0	HR	\$ 38.50	\$ 77.00								\$ 77.00
<b>APOLLO - MATERIAL COSTS</b>												
Concrete	1.0				LS	\$ 140.00	\$ 140.00					\$ 140.00
							\$ -					\$ -
Apollo - Subtotal Direct Costs >				\$ 237.00			\$ 140.00			\$ -		\$ 377.00
Markup on Self-Performed Labor, Mat's & Equipment >	15.0%			\$ 35.55			\$ 21.00			\$ -		\$ 56.55
<b>SUPPLEMENTAL COSTS</b>												
Special Consultants											\$ -	\$ -
Subsistence for Project Supervision					HR	\$ 11.25	\$ -					\$ -
Temporary Facilities at the Site					LS		\$ -					\$ -
Small Tools	1.0				LS	\$ 7.11	\$ 7.11					\$ 7.11
Subtotal Supplementary Costs >							\$ 7.11				\$ -	\$ 7.11
Markup on Supplementary Costs >	0.0											

<b>Contractor - Total Direct Costs w/Markup &gt;</b>	<b>\$ 440.66</b>
Insurance Premium .5% - Changed Work >	\$ 2.20
Bond Premium .75% - Changed Work >	\$ 3.30
<b>TOTAL LUMP SUM COST &gt;</b>	<b>\$ 446.17</b>



**Change Proposal Request**  
**Project: City of Coeur d'Alene Tertiary Treatment Phase 2**  
**Apollo Inc.**

**CPR No:** 11  
**Item No:** 3  
**Date:** 9/7/18

*Item Description: MSA Piping*

Description	Qty	U of M	Rate	Labor	Unit	Rate	Mat	Unit	Rate	Equip.	Subcont. Total	Total
<b>APOLLO - PROJECT SUPERVISION COSTS</b>												
Project Manager	8.0	HR	\$ 90.00	\$ 720.00								\$ 720.00
Project Superintendent	57.0	HR	\$ 80.00	\$ 4,560.00								\$ 4,560.00
Yard Piping / Site Earthwork Super	11.0	HR	\$ 68.00	\$ 748.00								\$ 748.00
<b>APOLLO - CRAFT LABOR COSTS</b>												
<b>Carpenters</b>												
Foreman	12.0	HR	\$ 43.50	\$ 522.00								\$ 522.00
Carpenter	80.0	HR	\$ 38.50	\$ 3,080.00								\$ 3,080.00
<b>Pipefitter</b>												
Pipefitter	52.0	HR	\$ 61.00	\$ 3,172.00								\$ 3,172.00
<b>APOLLO - OTHER EQUIPMENT COSTS</b>												
Welder	8.0							HR	\$ 100.00	\$ 800.00		\$ 800.00
Manlift	3.0							DYS	\$ 220.00	\$ 660.00		\$ 660.00
										\$ -		\$ -
<b>APOLLO - MATERIAL COSTS</b>												
Skinny Wheels, Screws, Grinder Wheel	1.0				LS	\$ 38.00	\$ 38.00					\$ 38.00
Cut off Wheels	10.0				LS	\$ 3.00	\$ 30.00					\$ 30.00
SS Pipe	1.0				LS	\$ 792.20	\$ 792.20					\$ 792.20
Apollo - Subtotal Direct Costs >				\$ 12,802.00			\$ 860.20			\$ 1,460.00		\$ 15,122.20
Markup on Self-Performed Labor, Mat'l's & Equipment >	15.0%			\$ 1,920.30			\$ 129.03			\$ 219.00		\$ 2,268.33
<b>SUBCONTRACTOR COSTS</b>												
AirTech	1										\$ 4,879.33	\$ 4,879.33
Solid Rock	1										\$ 512.50	\$ 512.50
Solid Rock	1										\$ 637.50	\$ 637.50
Solid Rock	1										\$ 675.00	\$ 675.00
											\$ -	\$ -
Subtotal Subcontractors Costs >											\$ 6,704.33	\$ 6,704.33
Markup on Subcontractor Costs >	5.0%										\$ 335.22	\$ 335.22
<b>SUPPLEMENTAL COSTS</b>												
Special Consultants											\$ -	\$ -
Subsistence for Project Supervision					HR	\$ 11.25	\$ -					\$ -
Temporary Facilities at the Site					LS		\$ -					\$ -
Small Tools	1.0				LS	\$ 384.06	\$ 384.06					\$ 384.06
Subtotal Supplementary Costs >						\$ 384.06					\$ -	\$ 384.06
Markup on Supplementary Costs >	0.0											

<b>Contractor - Total Direct Costs w/Markup &gt;</b>	<b>\$ 24,814.14</b>
Insurance Premium .5% - Changed Work >	\$ 124.07
Bond Premium .75% - Changed Work >	\$ 186.11
<b>TOTAL LUMP SUM COST &gt;</b>	<b>\$ 25,124.31</b>



### EXTRA WORK ORDER

CPR11

CUSTOMER: City of Coeur d'Alene	EWO:
ADDRESS:	Job #: P 162
WORK ORDERED BY: HDR/City of CDA	JOB NAME: CDA Tertiary Treatment Ph. 2
	DATE: DAY:

Description of Work: MSA blower intake modifications. Remove existing boxes, install new blank dff plates at 3 holes, install supplied filter boxes and install fabricated transition adapters to steel intake pipes.

NAME	LABOR			DESCRIPTION	HOURS
	CLASS	ST	OT		
Schattalhe				grinders x 2	8
				welder	8
				Mauloff	24
TOTAL EQUIPMENT					

DESCRIPTION	QUANTITY	PRICE	SUBCONTRACTOR	
			DESCRIPTION	PRICE
skidny wheels	20	\$3.00	Solid Rock	\$525.00
tech screws		\$20.00	Air tech	\$4879.93
bridging wheel/flapper	2	\$15.00		
TOTAL SUBCONTRACTOR				

OFFICE USE ONLY: COST SUMMARY			
LABOR			
MATERIALS			
EQUIPMENT			
TRUCK RENTAL/SUBCONTRACTOR			\$ -
SUB-TOTAL			\$ -
OH&P - LABOR			\$ -
OH&P - EQUIPMENT			\$ -
OH&P - MATERIALS			\$ -
OH&P - TRUCK RENTAL/SUBCONTRACTOR			\$ -
TOTAL OUTSIDE MATERIALS			
TOTAL AMOUNT			\$ -

Submitted by Apollo Representative

Authorized By Project Representative  
  
 3-27-2018



## MSA blower intake modifications

Coordinate and design installation different from plans 610 D105, D301, D302, D902 and E102, Equipment supplied per specification required change of design. Kevin Burke 20 sept

Cut and remove existing louver intake boxes, Brian Greenfelder 10hr carp  
dispose of and install temporary weather Hector Pace 10hr carp  
protection.

Install 3 sheetmetal blankoff plates, supplied by Air Tech, over louver openings! Brian Greenfelder 6hr carp  
Hector Pace 6hr carp

Lay out filter box installation locations at blank off plates Brian G 8 hrs carp  
Hector P 8 hr carp

Redesign intake assembly to allow access to filter elements by operations staff. Kevin B 20 hr sept  
Changes made after consultation with Sulzer to confirm allowable direction orientation to vertical.

Relocate 2 MSA discharge manifold supports Brian G 4 hr carp  
required by new design. Hector P 4hr carp

Cut and remove a vertical section of pipe from 3 intake steel pipes and install new fabricated flanges for ductwork attachment, ordered and transported, Brian G 8hr Fitter  
Hector P 8hr Fitter  
Kevin B 8" Fitter/welder  
Kevin B 4hr Sept

Solid Rock - fabricated new 16" flanges \$525.00

Assist support and coordinate installation of filter boxes and connecting ductwork by subcontractors, Brian G 4hr carp  
Hector P 4hr carp  
Cory Bond 6hr sept

Air Tech invoice for blank off plate supply, Supply new ductwork x 3, Install filter box/ductwork/transition x 3. \$4879.33





# EXTRA WORK ORDER

CUSTOMER: City of Coeur d'Alene	EWO:
ADDRESS:	Job #: P 162
WORK ORDERED BY: HDR/City of CDA	JOB NAME: CDA Tertiary Treatment Ph. 2
	DATE: 1/4 → 1/10 DAY:

Description of Work: TME existing MSA wall penetrations.  
 Dismantle manifolds #1 + #2. Remove wall penetrations pipe at #3 thru #5 by cutting, cut extension pieces and have welded by Solid Rock. Transport back and install.

NAME	CLASS	LABOR HOURS		EQUIPMENT USED DESCRIPTION	HOURS
		ST	OT		
1/4 Brian Greenfelder	Fit	4		2 grinders	
1/4 Hector Pace	Fit	4			
1/5 Brian Greenfelder	Fit	4			
1/5 Hector Pace	Fit	4			
1/5 Tony Delapena	Sup/Fit	3		Material acquisition	
1/8 Kevin Burke	Coa Supt	5		Transport/Coordinate	
1/10 Brian Greenfelder	Fit	2			
1/10 Hector Pace	Fit	2			
TOTAL EQUIPMENT					

CONTRACT MATERIALS			SUBCONTRACTOR	
DESCRIPTION	QUANTITY	PRICE		
Cut off wheels	10	\$3.00	Solid Rock welding	
			Invoice RAW	
TOTAL SUBCONTRACTOR				

OFFICE USE ONLY: COST SUMMARY				
			LABOR	
			MATERIALS	
			EQUIPMENT	
			TRUCK RENTAL/SUBCONTRACTOR	\$ -
			SUB-TOTAL	\$ -
			OH&P - LABOR	\$ -
			OH&P - EQUIPMENT	\$ -
			OH&P - MATERIALS	\$ -
			OH&P - TRUCK RENTAL/SUBCONTRACTOR	\$ -
TOTAL OUTSIDE MATERIALS			TOTAL AMOUNT	\$ -

*Kevin Burke*  
 Submitted by Apollo Representative

*Mitch Louie*  
 Authorized By Project Representative



**EXTRA WORK ORDER**

CUSTOMER: City of Coeur d'Alene	EWO:
ADDRESS: CPR 11	Job #: P 162
WORK ORDERED BY: HDR / City of Coeur d'Alene	JOB NAME: CDA Tertiary Treatment Ph. 2
DATE:	DAY:

Description of Work: TMF existing MSA wall penetrations and PER.  
 Combined from previous sheet.  
 Outside Work

NAME	LABOR			EQUIPMENT USED	
	CLASS	ST	OT	DESCRIPTION	HOURS
See Attach					
				TOTAL EQUIPMENT	

CONTRACT MATERIALS				SUBCONTRACTOR	
DESCRIPTION	QUANTITY	PRICE			
8" sch 10 304 SS pipe	20 x 29.11	\$792.20	Solid Rock		\$675.00
				TOTAL SUBCONTRACTOR	

OFFICE USE ONLY: COST SUMMARY					
TOTAL OUTSIDE MATERIALS			TOTAL AMOUNT		\$ -

*Steve Bunker*  
 Submitted by Apollo Representative

*Mike Secoria*  
 Authorized By Project Representative  
 MAR 13, 2018

TMF existing MSA + Permeate pipes thru wall modifications to tie into Suez manifolds.

Out and At spools for welder

	<sup>Buy</sup> Dependence		8 hrs	Fitter
- 1/17	Bruce Cantvall		4 hrs	Fitter
- 1/18	Bruce Cantvall		8 hrs	Fitter
- 1/19	Bruce Cantvall		4 hr	Fitter
- 1/19	Ben Landis		8 hrs	Fitter
- 2/8	Brian Greenfelder	Fitter	4 hr	
- 2/8	Hecher Pace	Fitter	4 hrs	
-	Cory Bond Coordinate and assist installation.		6 hrs	Fitter



**H.D. FOWLER  
COMPANY**

**Customer:** BIDDING CONTRACTORS  
**Estimator:** Matthew Mahan  
**Job Name:** TERTIARY  
**Location:** IDAHO

**Quote #:** Q344583  
**Bid Date:** 1/31/2018

---

Line	Qty	UoM	Description	Unit Price	Extended Price
1	20	FT	8" X 20' SCH10 304SS PIPE	39.61	792.20
<b>Approximate Total</b>					<b>792.20</b>

**FROM: AIR TECH MECHANICAL COMPANY**  
**TO: APPOLLO INC.**  
**RE: CITY OF COEUR D'ALENE**  
**ADVANCED WASTE WATER TREATMENT FACILITY**  
**TERTIARY TREATMENT PHASE 2**

---

**MSA BLOWER Intake Modifications**

**Description: Provide 16 ga. Blank off panels at three existing louvers. Fabricate and install three duct transitions and plenums at louvers.**

---

Duct Fabrication Labor	38.0 hr. @ 73.91	\$ 2,808.58
Duct Delivery and layout Labor	2.0 hr. @ 73.91	\$ 147.82
Supervision & Layout Labor	2.5 hr. @ 73.91	\$ 184.77
Load, haul & deliver to site Labor	1.7 <u>hr. @ 73.91</u>	\$ 126.50
Duct materials (Galvanized)		\$ 708.88
Freight		\$ 38.88
ISST Tax Materials (6%x747.76)		\$ 44.86
	Subtotal Costs	\$ 4,060.29
	OH & P (15% x \$4,060.29)	\$ 609.24
	Previous authorized miscellaneous labor & Materials	\$ <u>210.00</u>
	<b>TOTAL MSA Blower Intake Modifications</b>	
	<b>Lump Sum Cost Increase</b>	<b>\$ 4,879.33</b>

Submitted To: Amy Jenne  
Submitted By: Douglas Long  
Date: 04/23/2018



**Solid Rock Gate Supply Inc dba Welding  
Fabrication Services**

6955 N Pleasant View Rd  
Post Falls, ID 83854

**Bill To**

Apollo Inc  
Kevin Burke  
1133 West Columbia Drive  
Kennewick, WA 99336

Phone: (208) 457-8048  
Fax: (208) 457-8858  
E-Mail: sales@welding-fab.com

# Invoice

<b>Date</b>	<b>Terms</b>	<b>P.O. Number</b>	<b>Invoice #</b>
1/15/2018	Due on receipt	MSA PIPING ...	20784

<b>Description</b>	<b>Color</b>	<b>Quantity</b>	<b>Price Each</b>	<b>Amount</b>
MSA PIPING MODIFICATION SHORTEN (QTY 2) STAINLESS STEEL PIPE STOOLS			340.00	340.00
EXTENDING PIPE ELBOWS			297.50	297.50

Work Order #

Thank you for your business.  
Late Charges of 1.5% per month assessed on past due balances.

<b>Sales Tax (6.0%)</b>	\$0.00
<b>Payments/Credits</b>	\$0.00
<b>Balance Due</b>	\$637.50

**Solid Rock Gate Supply Inc dba Welding  
Fabrication Services**

6955 N Pleasant View Rd  
Post Falls, ID 83854

**Bill To**

Apollo Inc  
Kevin Burke  
1133 West Columbia Drive  
Kennewick, WA 99336

Phone: (208) 457-8048  
Fax: (208) 457-8858  
E-Mail: sales@welding-fab.com

# Invoice

**Date**                      **Terms**    **P.O. Number**      **Invoice #**  
2/12/2018                      Due on receipt                         20853

<b>Description</b>	<b>Color</b>	<b>Quantity</b>	<b>Price Each</b>	<b>Amount</b>
RFI 17 MANIFOLD EXTENSION MSA + PER OUTSIDE			675.00	675.00

Work Order #

Thank you for your business.  
Late Charges of 1.5% per month assessed on past due balances.

<b>Sales Tax (6.0%)</b>	\$0.00
<b>Payments/Credits</b>	\$0.00
<b>Balance Due</b>	\$675.00

**Solid Rock Gate Supply Inc dba Welding  
Fabrication Services**

6955 N Pleasant View Rd  
Post Falls, ID 83854

**Bill To**

Apollo Inc  
Kevin Burke  
1133 West Columbia Drive  
Kennewick, WA 99336

Phone: (208) 457-8048  
Fax: (208) 457-8858  
E-Mail: sales@welding-fab.com

# Invoice

<b>Date</b>	<b>Terms</b>	<b>P.O. Number</b>	<b>Invoice #</b>
1/15/2018	Due on receipt	PERMIATE TA...	20785

<b>Description</b>	<b>Color</b>	<b>Quantity</b>	<b>Price Each</b>	<b>Amount</b>
PERMEATE TAPPED FLANGES			512.50	512.50

Work Order #

Thank you for your business.  
Late Charges of 1.5% per month assessed on past due balances.

<b>Sales Tax (6.0%)</b>	\$0.00
<b>Payments/Credits</b>	\$0.00
<b>Balance Due</b>	\$512.50

**Change Proposal Request**  
**Project: City of Coeur d'Alene Tertiary Treatment Phase 2**  
**Apollo Inc.**

CPR No: 11  
 Item No: 4  
 Date: 9/7/18

*Item Description: BW Piping*

Description	Qty	U of M	Rate	Labor	Unit	Rate	Mat	Unit	Rate	Equip.	Subcont. Total	Total
<b>APOLLO - PROJECT SUPERVISION COSTS</b>												
Project Manager	4.0	HR	\$ 90.00	\$ 360.00								\$ 360.00
Project Superintendent	8.0	HR	\$ 80.00	\$ 640.00								\$ 640.00
Yard Piping / Site Earthwork Super	12.0	HR	\$ 68.00	\$ 816.00								\$ 816.00
<b>APOLLO - CRAFT LABOR COSTS</b>												
<b>Laborers</b>												
General	8.0	HR	\$ 34.50	\$ 276.00								\$ 276.00
<b>Pipefitter</b>												
Pipefitter	32.0	HR	\$ 61.00	\$ 1,952.00								\$ 1,952.00
<b>APOLLO - MATERIAL COSTS</b>												
Western Waterworks	1.0				LS	\$10,620.00	\$ 10,620.00					\$ 10,620.00
							\$ -					\$ -
Apollo - Subtotal Direct Costs >				\$ 4,044.00			\$ 10,620.00			\$ -		\$ 14,664.00
Markup on Self-Performed Labor, Mat'ls & Equipment >	15.0%			\$ 606.60			\$ 1,593.00			\$ -		\$ 2,199.60
<b>SUPPLEMENTAL COSTS</b>												
Special Consultants											\$ -	\$ -
Subsistence for Project Supervision					HR	\$ 11.25	\$ -					\$ -
Temporary Facilities at the Site					LS		\$ -					\$ -
Small Tools	1.0				LS	\$ 121.32	\$ 121.32					\$ 121.32
Subtotal Supplementary Costs >							\$ 121.32				\$ -	\$ 121.32
Markup on Supplementary Costs >	0.0											

<b>Contractor - Total Direct Costs w/Markup &gt;</b>	<b>\$ 16,984.92</b>
Insurance Premium .5% - Changed Work >	\$ 84.92
Bond Premium .75% - Changed Work >	\$ 127.39
<b>TOTAL LUMP SUM COST &gt;</b>	<b>\$ 17,197.23</b>

Done



**EXTRA WORK ORDER**

<b>CUSTOMER:</b> City of Coeur d'Alene	<b>EWO:</b>	
<b>ADDRESS:</b>	Job #: P 162	
<i>CPR #11</i>	JOB NAME: CDA Tertiary Treatment Ph. 2	
<b>WORK ORDERED BY:</b>	<b>DATE:</b>	<b>DAY:</b>

Description of Work: *Back wash pump repiping*

NAME	LABOR			EQUIPMENT USED	
	CLASS	HOURS		DESCRIPTION	HOURS
		ST	OT		
				TOTAL EQUIPMENT	

CONTRACT MATERIALS				SUBCONTRACTOR	
DESCRIPTION	QUANTITY	PRICE			
<i>New gaskets for each valve X 2</i>					
				TOTAL SUBCONTRACTOR	

OFFICE USE ONLY: COST SUMMARY					
				LABOR	
				MATERIALS	
				EQUIPMENT	
				TRUCK RENTAL/SUBCONTRACTOR	\$ -
				SUB-TOTAL	\$ -
				OH&P - LABOR	\$ -
				OH&P - EQUIPMENT	\$ -
				OH&P - MATERIALS	\$ -
				OH&P - TRUCK RENTAL/SUBCONTRACTOR	\$ -
TOTAL OUTSIDE MATERIALS				TOTAL AMOUNT	\$ -

*Mark Cramer*  
Submitted by Apollo Representative

*Wesley Sweeney*  
Authorized By Project Representative  
*3-27-2018*

CDR 1

Remove backwash pump piping and replace with larger diameter piping to match supplied pumps.

Research and identify issues, confirm changes, order replacement piping, order replacement accessories, track replacement items, receive and stage parts

Kevin Bunke	8 hr	Supt
Tony Delepena	12 hr	Supt

Remove existing piping, valves and accessories and transport out of basement.

James Sultz	8 hr	fitter
Eli Hull	8 hr	laborer

Install new backwash piping, connect to pumps and re-install pipe supports. Re-tighten bolts as gaskets compress during system start up.

James Sultz	12 hr	Fitter
Heckr Pez	12 hr	fitter



# PACKING LIST

Pack List Number: 14902  
Shipping Date: 11/9/2017

Orbit Industries  
778 South 27th St.  
Washougal, WA 98671

Apollo Inc.  
755 W Hubbard Ave  
Coeur D'Alene, ID 83814

Contact Name:  
Greg Parsons  
(208) 463-2948 (PH)

Contact Name:  
Tony (509) 948-2803

XPO Logistics

CDA-580

Extra to Po # 162-0015

BP-01	12" X 8" SS-90 BEND			
BP-02	12 X 8 SS-90 BEND		1	0
BP-03	6" SS-PIPE		1	0
BP-04	10 X 6 SS-PIPE		2	0
			2	0

CDM 11-9-17  
EXTRA TO POST  
P-162-0015  
B 10,620.00

Notes:  
Question or concerns please contact (208) 463-2948 ext 301 or  
akusdie@westernwaterworks.net

Total Items: 699

# Western Waterworks Supply

1209 3rd Avenue North

Nampa, ID 83687

Phone: (208) 463-2948 Fax: (208) 463-7853

## Invoice

Invoice Number

1171

Invoice Date

11/10/2017

**Bill To:** Apollo, Inc.  
PO Box 7305  
  
Kennewick, WA 99336

**Ship To:** Apollo, Inc.  
765 W. Hubbard Ave  
  
Coeur d'Alene, ID 83814

Our Job No	Customer Job No	Customer PO	Payment Terms	Due Date
390		P162-0015	Net 30 Days	12/10/2017
Description				Price
SST Pipe Fabrication - See attached packing list				10,620.00

APOLLO, INC.

NOV 15 2017

RECEIVED

**Please remit payments to:**

Western Waterworks Supply  
1209 3rd Avenue North  
Nampa, ID 83687

**Sales Tax Loc:**

Idaho Sales Tax

Subtotal \$ 10,620.00

Sales Tax (if applicable) \$ 0.00

**Total Due \$ 10,620.00**

Thank you for your business!



Change Proposal Request  
 Project: City of Coeur d'Alene Tertiary Treatment Phase 2  
 Apollo Inc.

CPR No: 11  
 Item No: 5  
 Date: 9/7/18

Item Description: Backpulse/CIP Pumps, Plant Drain & Other Piping Systems at Strainer

Description	Qty	U of M	Rate	Labor	Unit	Rate	Mat	Unit	Rate	Equip.	Subcont. Total	Total
<b>APOLLO - PROJECT SUPERVISION COSTS</b>												
Project Manager	4.0	HR	\$ 90.00	\$ 360.00								\$ 360.00
Project Superintendent	12.0	HR	\$ 80.00	\$ 960.00								\$ 960.00
Mech Super	12.0	HR	\$ 68.00	\$ 816.00								\$ 816.00
<b>APOLLO - CRAFT LABOR COSTS</b>												
Pipefitter				\$ -								\$ -
Pipefitter	65.0	HR	\$ 61.00	\$ 3,965.00								\$ 3,965.00
<b>APOLLO - MATERIAL COSTS</b>												
SS Piping @ Backpulse Pumps Western Waterworks	1.0				LS	\$ 7,650.00	\$ 7,650.00					\$ 7,650.00
							\$ -					\$ -
							\$ -					\$ -
Apollo - Subtotal Direct Costs >				\$ 6,101.00		\$ 7,650.00			\$ -			\$ 13,751.00
Markup on Self-Performed Labor, Mat'ls & Equipment >	15.0%			\$ 915.15		\$ 1,147.50			\$ -			\$ 2,062.65
<b>SUBCONTRACTOR COSTS</b>												
Air Tech	1										\$ 240.00	\$ 240.00
											\$ -	\$ -
Subtotal Subcontractors Costs >											\$ 240.00	\$ 240.00
Markup on Subcontractor Costs >	5.0%										\$ 12.00	\$ 12.00
<b>SUPPLEMENTAL COSTS</b>												
Special Consultants											\$ -	\$ -
Subsistence for Project Supervision					HR	\$ 11.25	\$ -					\$ -
Temporary Facilities at the Site					LS		\$ -					\$ -
Small Tools	1.0				LS	\$ 183.03	\$ 183.03					\$ 183.03
Subtotal Supplementary Costs >						\$ 183.03					\$ -	\$ 183.03
Markup on Supplementary Costs >	0.0											

<b>Contractor - Total Direct Costs w/Markup &gt;</b>	<b>\$ 16,248.68</b>
Insurance Premium .5% - Changed Work >	\$ 81.24
Bond Premium .75% - Changed Work >	\$ 121.87
<b>TOTAL LUMP SUM COST &gt;</b>	<b>\$ 16,451.79</b>



## EXTRA WORK ORDER

CUSTOMER: City of Coeur d'Alene	EWO:
ADDRESS: <i>CPR # 11</i>	Job #: P 162
WORK ORDERED BY: <i>HDR/City of CDA</i>	JOB NAME: CDA Tertiary Treatment Ph. 2
Description of Work: <i>T.M.F. Add 14" DS400 at new strainer to correct alignment. ② Adjust existing 6" PD line. ③ Remove and reinstall 8" valves on permeate lines above pumps. ④ Remove and reinstall piping at back wash pumps. ⑤ Off set drill and tap 10" blind flanges at interior MSA/Per pipe conflict. No 3 W mods on this sheet.</i>	DATE:                                  DAY:

NAME	LABOR			EQUIPMENT USED	
	CLASS	HOURS		DESCRIPTION	HOURS
		ST	OT		
<i>James Skultz ①</i>	<i>Fit</i>	<i>4</i>			
<i>James Skultz ②</i>	<i>Fit</i>	<i>8</i>			
<i>Eli Lund ②</i>	<i>Fit</i>	<i>8</i>			
<i>James Skultz ③</i>	<i>Fit</i>	<i>12</i>			
<i>Eli Lund ③</i>	<i>Fit</i>	<i>12</i>			
<i>James Skultz ④</i>	<i>Fit</i>	<i>8</i>			
<i>Eli Lund ④</i>	<i>Fit</i>	<i>8</i>			
<i>Brian Greenfelder ⑤</i>	<i>Fit</i>	<i>5</i>			
				TOTAL EQUIPMENT	

CONTRACT MATERIALS			SUBCONTRACTOR	
DESCRIPTION	QUANTITY	PRICE		
<i>Kevin Buvlice</i>	<i>Supt 12</i>			
<i>Tony DeLepeuca</i>	<i>Supt 12</i>			
			TOTAL SUBCONTRACTOR	

OFFICE USE ONLY: COST SUMMARY			
TOTAL OUTSIDE MATERIALS			\$ -
TOTAL AMOUNT			\$ -

*[Signature]*  
Submitted by Apollo Representative

*[Signature]*  
Authorized By Project Representative

# Western Waterworks Supply

1209 3rd Avenue North

Nampa, ID 83687

Phone: (208) 463-2948 Fax: (208) 463-7853

## Invoice

Invoice Number

1210

Invoice Date

1/11/2018

**Bill To:** Apollo, Inc.  
PO Box 7305  
  
Kennewick, WA 98336

**Ship To:** Apollo, Inc.  
765 W. Hubbard Ave  
  
Coeur d'Alene, ID 83814

Our Job No	Customer Job No	Customer PO	Payment Terms	Due Date
380		P162-0015	Net 30 Days	2/10/2018
Description				Price
SST Pipe Fabrication - See attached packing list				7,650.00

APOLLO, INC.  
JAN 16 2018  
RECEIVED

**Please remit payments to:**

Western Waterworks Supply  
1209 3rd Avenue North  
Nampa, ID 83687

**Sales Tax Loc:**

Idaho Sales Tax

Subtotal \$ 7,650.00  
Sales Tax (if applicable) \$ 0.00

**Total Due \$ 7,650.00**

*Thank you for your business!*

# PACKING LIST

Pack List Number: 14972  
 Shipping Date: 1/10/2018

Ship From:

Orbit Industries  
 778 South 27th St.  
 Washougal, WA 98671

Ship To:

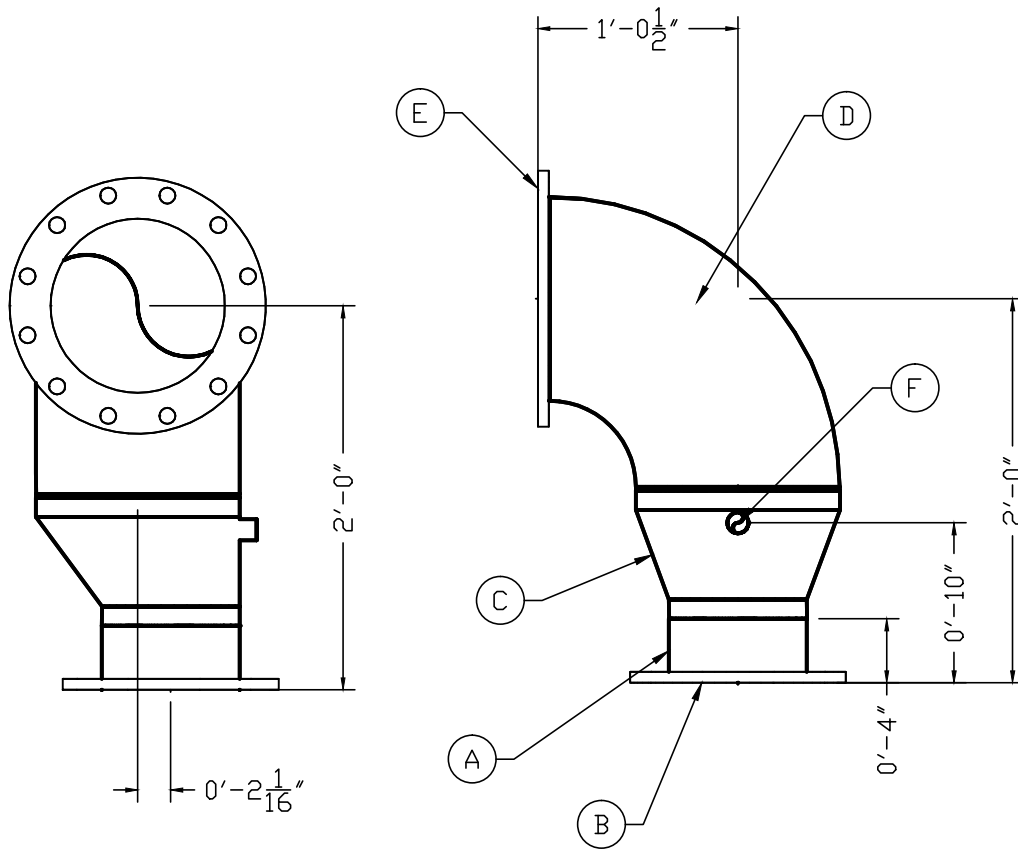
Apollo Inc.  
 705 W Hubbard Ave  
 Coeur D'Alene, ID 83814

Contact Name:  
 Greg Parsons  
 (208) 463-2948 (PH)

Contact Name:  
 Tony (509) 948-3809

Shipping Method/Carrier		Job Name	Customer PO Number	
KPO Logistics		CDM-180	P162-0015	
Tag #	Item Description	Shipped		B/O
MU-02	10-SS steel pipe		1	0
	8-SS Class-D flanges -316-SS		5	0
	8-SS 1/2" plate flanges-316-SS		6	0
	6-SS Class-D flanges 316-SS		1	0
Notes:		Total Items:		11 00
Question or concerns please contact (208) 463-2948 ext 301 or <a href="mailto:afussler@westernwaterworks.net">afussler@westernwaterworks.net</a>				





2

## Materials

A	8" SST Pipe 316L Sch. 10S A778	0'-4"
B	8" SST Class D Flange 316L	1
C	12" x 8" SST Ecc. Red 316L Sch. 10S A774	1
D	12" SST SR 90 Elbow 316L Sch. 10S A774	1
E	12" SST Class D Flange 316L	1
F	1" Thread-□-Let	1
G		
H		
I		

Requirements	
Materials	Domestic per AIS
3rd Party Inspect	None

QTY	DATE	BY	DESCRIPTION
2	8/15/2017	cmj	review change
1	8/8/2017	cmj	fab change

DRAWN	-
SCALE	1" = 1'

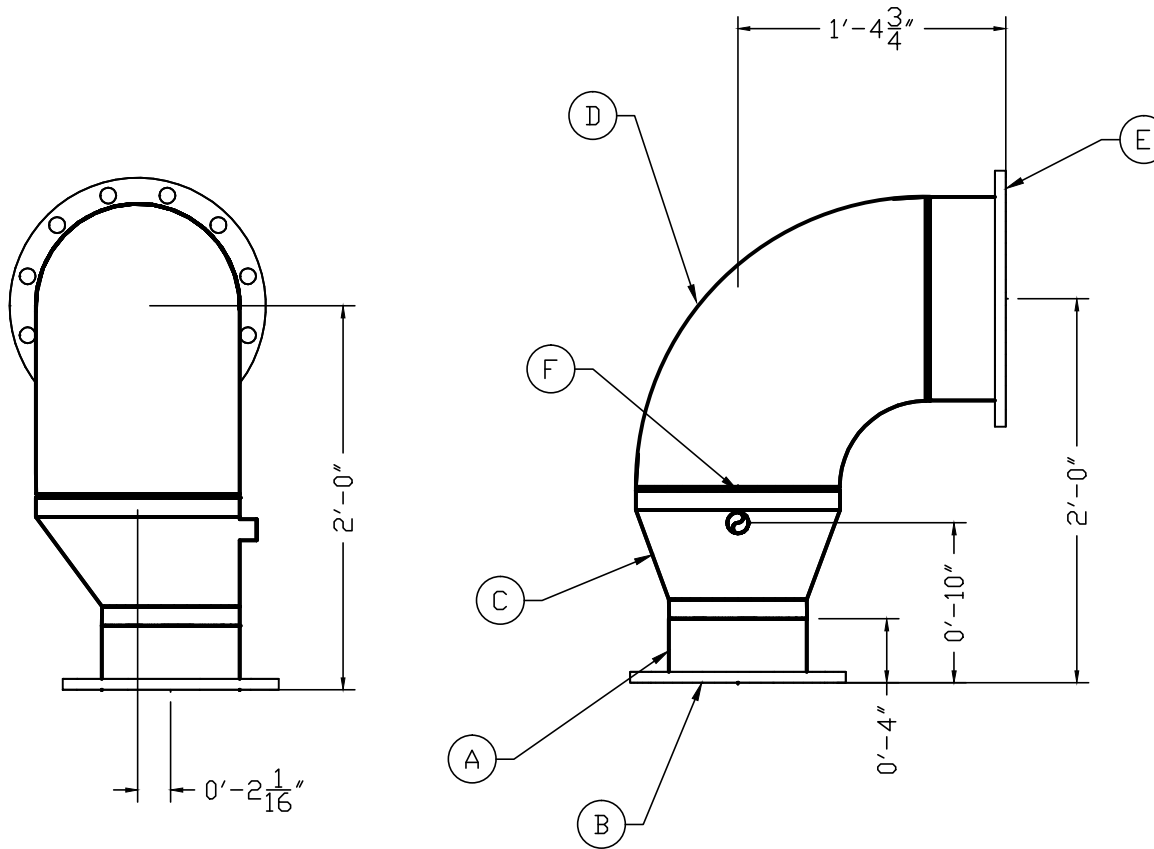
**Western Waterworks Supply**

Phone: (208) 463-2948  
Fax: (208) 463-7853

CDA Tertiary Phase 2

Coeur d'Alene, ID

PROJECT NO.	380
QTY.	1
TAG NO.	BP-01



## Materials

A	8" SST Pipe 316L Sch. 10S A778	0'-4"
B	8" SST Class D Flange 316L	1
C	12" x 8" SST Ecc. Red 316L Sch. 10S A774	1
D	12" SST SR 90 Elbow 316L Sch. 10S A774	1
E	12" SST Class D Flange 316L	1
F	1" Thread-□-Let	1
G		
H		
I		

Requirements	
Materials	Domestic per AIS
3rd Party Inspect	None

QTY	DATE	BY	DESCRIPTION
2	8/15/2017	cmj	review change
1	8/8/2017	cmj	fab change

DRAWN	-
SCALE	1" = 1'

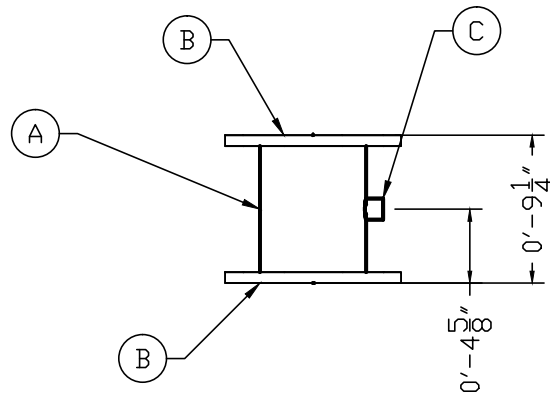
**Western Waterworks Supply**

Phone: (208) 463-2948  
Fax: (208) 463-7853

CDA Tertiary Phase 2

Coeur d'Alene, ID

PROJECT NO.	380
QTY.	1
TAG NO.	BP-02



## Materials

A	6' SST Pipe 316L Sch. 10S A778	0'-9"
B	6' SST Class D Flange 316L	2
C	1' Thread-D-Let	1
D		
E		
F		
G		
H		
I		

Requirements	
Materials	Domestic per AIS
3rd Party Inspect	None

QTY	DATE	BY	DESCRIPTION
2	8/15/2017	cmj	review change
1	8/8/2017	cmj	fab change

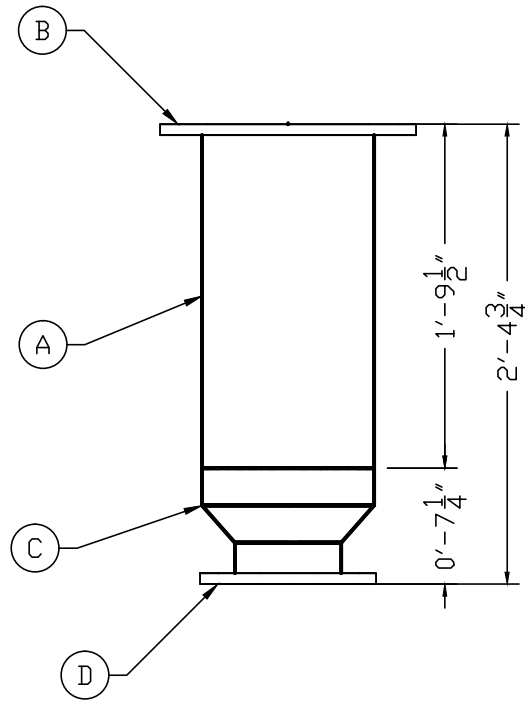
DRAWN	-
SCALE	1' = 1'

**Western Waterworks Supply**

Phone: (208) 463-2948  
Fax: (208) 463-7853

CDA Tertiary Phase 2  
Coeur d'Alene, ID

PROJECT NO.	380
QTY.	2
TAG NO.	BP-03



## Materials

A	10" SST Pipe 316L Sch. 10S A778	1'-9"
B	10" SST Class D Flange 316L	1
C	10" x 6" SST Conc. Red 316L Sch. 10S A774	1
D	6" SST Class D Flange 316L	1
E		
F		
G		
H		
I		

Requirements	
Materials	Domestic per AIS
3rd Party Inspect	None

QTY	DATE	BY	DESCRIPTION
2	8/15/2017	cmj	review change
1	8/8/2017	cmj	fab change

DRAWN	-
SCALE	1" = 1'

**Western Waterworks Supply**

Phone: (208) 463-2948  
Fax: (208) 463-7853

CDA Tertiary Phase 2

Coeur d'Alene, ID

PROJECT NO.	380
QTY.	2
TAG NO.	BP-04




 To: TONY DELAPENA  
 tdelapena@apollo-gc.com  
 APOLLO INC  
 09/22/17 01:49:01pm

 From: Matt Mahan  
 Phone: (509) 492-5226 x2311

## Order Acknowledgement

This order requires confirmed receipt of this acknowledgement because it contains special order items which are indicated by two asterisks (\*\*). Please approve this order by simply replying to this email message, or by printing the attachment, signing and returning it back to us.

Non-Stocks, Special Orders or Engineered items may not be returnable. Those that are returnable are subject to a minimum 25% restock fee. Some orders may also have applicable freight charges not shown on this Order Acknowledgement.

I accept this as written. Please get this order for me as listed below.

Signature	Date	Print Name
-----------	------	------------

<b>Your PO:</b> TMF/PERMEATE	<b>Project:</b> P162 TERTIARY TREATMENT PHASE 2
<b>Ordered By:</b> TONY D	<b>Order Date:</b> 09/22/17
<b>Est. Ship Date:</b> 09/29/17	<b>Order #:</b> O5701258
<b>Shipping From:</b> Pasco Warehouse	<b>Ship VIA:</b> VENDOR'S CHOICE

**Freight Terms:**

Line#	Item	Unit	Qty	Price	Ext. Price	Tax
1	** 6 X 6 231/NP SINGLE ARCH NITRILE EXP JOINT 060X0631P AIS COMPLIAINT ICLUDES EJRINGSET. TWO RING SET 6" ANSI 150# ZINC PLATED CARBON STEEL ANS EJRODSET SET LIMIT RODS TWO ROD SET FIG 1 AIS COMPLIANT ZINC PLATED CARBON STEEL	EA	2	775.00	1,550.00	Y
2	** 8 X 6 231/NP SINGLE ARCH NITRILE EXP JOINT INCLUDES SET OF RETAINING RINGS 8" ANS 150# ZINC PLATED AND LIMIT RODS FOR EACH EXPANSION JOINT	EA	2	845.00	1,690.00	Y
3	** 6" MECHANICALLY GALV BOLT KIT, DOMESTIC	EA	8	140.16	1,121.28	Y
4	6" 1/8" FULL FACE RED RUBBER, GASKET, 150#	EA	2	3.36	6.72	Y
5	** 8" MECHANICALLY GALV BOLT KIT, DOMESTIC	EA	4	140.16	560.64	Y

Total	4,928.64
Freight	0.00
Tax	295.72
<b>Grand Total</b>	<b>5,224.36</b>

**From:** [Kevin Burke](#)  
**To:** [Amy Jenne](#); [Jeremy Cuddihy](#)  
**Cc:** [Tony Delapena](#)  
**Subject:** RE: Cd'A WWTP Tertiary Treatment Phase 2: RFI009 O&M Comments clarification  
**Date:** Monday, November 20, 2017 2:46:12 PM  
**Attachments:** [image002.png](#)

---

Amy,

This is moving the supply duct in the TMF basement that was identified in RFI 17 which turned into CPR11.

---

**From:** Amy Jenne  
**Sent:** Monday, November 20, 2017 2:31 PM  
**To:** Kevin Burke <[kburke@apollo-gc.com](mailto:kburke@apollo-gc.com)>; Jeremy Cuddihy <[con@airtechme.com](mailto:con@airtechme.com)>  
**Cc:** Tony Delapena <[tdelapena@apollo-gc.com](mailto:tdelapena@apollo-gc.com)>  
**Subject:** RE: Cd'A WWTP Tertiary Treatment Phase 2: RFI009 O&M Comments clarification

Is this part is CPR 11?

---

**From:** Kevin Burke  
**Sent:** Wednesday, November 8, 2017 10:05 AM  
**To:** Jeremy Cuddihy <[con@airtechme.com](mailto:con@airtechme.com)>  
**Cc:** Amy Jenne <[amy.jenne@apollo-gc.com](mailto:amy.jenne@apollo-gc.com)>; Tony Delapena <[tdelapena@apollo-gc.com](mailto:tdelapena@apollo-gc.com)>  
**Subject:** RE: Cd'A WWTP Tertiary Treatment Phase 2: RFI009 O&M Comments clarification

Jeremy,

Proceed with this modification. Tracking information is in the previous email.

Kevin Burke  
General Superintendent  
Cell (509) 947-4607  
[kburke@apollo-gc.com](mailto:kburke@apollo-gc.com)



...Building People Who Build Great Things

---

1133 W Columbia Dr Kennewick WA 99336  
(509) 586-1104 [www.apollo-gc.com](http://www.apollo-gc.com)

---

**From:** Jeremy Cuddihy [<mailto:con@airtechme.com>]  
**Sent:** Wednesday, November 8, 2017 9:50 AM

**To:** Kevin Burke <[kburke@apollo-gc.com](mailto:kburke@apollo-gc.com)>

**Subject:** RE: Cd'A WWTP Tertiary Treatment Phase 2: RFI009 O&M Comments clarification

Kevin

Figure 3 hours at \$80.00/hr=\$240.00

Thank You,

Doug

Air Tech Mechanical Co.

O: (208) 772-6096



---

**From:** Kevin Burke [<mailto:kburke@apollo-gc.com>]

**Sent:** Monday, November 6, 2017 9:44 AM

**To:** Jeremy Cuddihy <[con@airtechme.com](mailto:con@airtechme.com)>; Amy Jenne <[amy.jenne@apollo-gc.com](mailto:amy.jenne@apollo-gc.com)>

**Subject:** RE: Cd'A WWTP Tertiary Treatment Phase 2: RFI009 O&M Comments clarification

Doug and Jeremy,

I discussed a duct modification with the service tech onsite today. This modification is in the basement of the TMF building. The existing supply duct needs to be shortened by approximately 10" to 12" to allow a 6" ductile line to extent. This is changed work and will be reference to RFI 17 modifications to HVAC supply for 6" tank drain. Have whoever come out for this work contact Tony or me. I would like this work to be completed by the end of this week.

Kevin Burke

General Superintendent

Cell (509) 947-4607

[kburke@apollo-gc.com](mailto:kburke@apollo-gc.com)



...Building People Who Build Great Things

1133 W Columbia Dr Kennewick WA 99336  
(509) 586-1104 [www.apollo-gc.com](http://www.apollo-gc.com)

---

**From:** Jeremy Cuddihy [<mailto:con@airtechme.com>]

**Sent:** Wednesday, November 1, 2017 11:06 AM

**To:** Amy Jenne <[amy.jenne@apollo-gc.com](mailto:amy.jenne@apollo-gc.com)>

**Cc:** Kevin Burke <[kburke@apollo-gc.com](mailto:kburke@apollo-gc.com)>

**Subject:** Cd'A WWTP Tertiary Treatment Phase 2: RFI009 O&M Comments clarification

Amy/Kevin

So much of what the Engineer is looking for in the O & M is not published by the Manufacturer. I need to know what they will accept In lieu if the Manufacturers published information. Please forward to the Engineer for review. Presently we are scheduled to perform the Startup of the Chem Building AHUs tomorrow. The electrician is finishing up today and our control work will be done early tomorrow. It is my understanding that the Owner wants these units to be left operational after the startup has been completed. This we plan to do. The Owner Training can be scheduled and completed any time soon. Do you have a schedule set up for Training? Please advise.

Thank You,

Douglas Long  
Air Tech Mechanical Co.  
O: (208) 772-6096



## Disclaimer

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**Change Proposal Request**  
**Project: City of Coeur d'Alene Tertiary Treatment Phase 2**  
**Apollo Inc.**

CPR No: 11  
 Item No: 6  
 Date: 9/7/18

*Item Description: 3W Piping & UV*

Description	Qty	U of M	Rate	Labor	Unit	Rate	Mat	Unit	Rate	Equip.	Subcont. Total	Total
<b>APOLLO - PROJECT SUPERVISION COSTS</b>												
Project Manager	2.0	HR	\$ 90.00	\$ 180.00								\$ 180.00
Project Superintendent	16.0	HR	\$ 80.00	\$ 1,280.00								\$ 1,280.00
Mech Super	32.0	HR	\$ 68.00	\$ 2,176.00								\$ 2,176.00
<b>APOLLO - CRAFT LABOR COSTS</b>												
<b>Laborers</b>												
General	32.0	HR	\$ 34.50	\$ 1,104.00								\$ 1,104.00
<b>Pipefitter</b>												
Pipefitter	112.0	HR	\$ 61.00	\$ 6,832.00								\$ 6,832.00
<b>APOLLO - OTHER EQUIPMENT COSTS</b>												
Vic Groover Mach	3.0							LS	\$ 25.00	\$ 75.00		\$ 75.00
										\$ -		\$ -
<b>APOLLO - MATERIAL COSTS</b>												
Consumables	1.0				LS	\$ 200.00	\$ 200.00					\$ 200.00
Vic Grooving Consumables	1.0				LS	\$ 300.00	\$ 300.00					\$ 300.00
Butterfly Valve HDF	1.0				LS	\$ 1,102.27	\$ 1,102.27					\$ 1,102.27
Check Valve HDF	1.0				LS	\$ 1,921.25						\$ 1,921.25
Misc. Pipe Mats HDF	1.0				LS	\$ 3,964.49	\$ 3,964.49					\$ 3,964.49
							\$ -					\$ -
Apollo - Subtotal Direct Costs >				\$ 11,572.00			\$ 5,566.76			\$ 75.00		\$ 17,213.76
Markup on Self-Performed Labor, Mat's & Equipment >	15.0%			\$ 1,735.80			\$ 835.01			\$ 11.25		\$ 2,582.06
<b>SUPPLEMENTAL COSTS</b>												
Special Consultants											\$ -	\$ -
Subsistence for Project Supervision					HR	\$ 11.25	\$ -					\$ -
Temporary Facilities at the Site					LS		\$ -					\$ -
Small Tools	1.0				LS	\$ 347.16	\$ 347.16					\$ 347.16
Subtotal Supplementary Costs >						\$ 347.16					\$ -	\$ 347.16
Markup on Supplementary Costs >	0.0											

<b>Contractor - Total Direct Costs w/Markup &gt;</b>	<b>\$ 20,142.98</b>
Insurance Premium .5% - Changed Work >	\$ 100.71
Bond Premium .75% - Changed Work >	\$ 151.07
<b>TOTAL LUMP SUM COST &gt;</b>	<b>\$ 20,394.77</b>



## EXTRA WORK ORDER

CUSTOMER: City of Coeur d'Alene	EWO:
ADDRESS: CPR #11 continuation	Job #: P 162
WORK ORDERED BY: City of CDA / HDR	JOB NAME: CDA Tertiary Treatment Ph. 2
Description of Work: 3 w installation changes. Add 2x8s for added value at U.U.	DATE: DAY:

NAME	LABOR			EQUIPMENT USED	HOURS
	CLASS	ST	OT		
Kevin Burke	Supt	16		Uic machine	3
Tony Delapena	Sap	32			
James Skultz	Fit	48			
Hector Paez	Fit	48			
James Skultz	lab	16			
Hector Paez	lab	16			
James Skultz	Fit	8			
Hector Paez	Fit	8			
				TOTAL EQUIPMENT	

CONTRACT MATERIALS				SUBCONTRACTOR	
DESCRIPTION	QUANTITY	PRICE			
Attached					
Consumables		\$200			
the grooving X 3 x \$100	consumable	\$300			
				TOTAL SUBCONTRACTOR	

OFFICE USE ONLY: COST SUMMARY					
				LABOR	
				MATERIALS	
				EQUIPMENT	
				TRUCK RENTAL/SUBCONTRACTOR	\$ -
				SUB-TOTAL	\$ -
				CH&P - LABOR	\$ -
				CH&P - EQUIPMENT	\$ -
				CH&P - MATERIALS	\$ -
				CH&P - TRUCK RENTAL/SUBCONTRACTOR	\$ -
TOTAL OUTSIDE MATERIALS				TOTAL AMOUNT	\$ -

Submitted by Apollo Representative

Authorized By Project Representative



**H.D. FOWLER  
COMPANY**PO Box 84368 \* Seattle, WA \* 98126-3668  
425-766-8400Invoice  
Number **14886837**PSDS  
# 015230Pasco Branch  
1336 Dietrich Road  
Pasco, WA 99001  
(509) 545-0255 Fax (509) 545-0299

To:				Ship to: 915 HUBBARD AVE			
APOLLO INC Attn: Accounts Payable PO Box 7305 KENNEWICK WA 993360617				COEUR D'ALENE		ID	83814
Terms: 10P+30		Due: 09/10/18		PO/JOB: P162/RF174			
FOB: JOBSITE		Ship Via: VENDOR'S CHOICE		P162 TERTIARY TREATMENT PHAS			
Order#	Inv Date:	Order Writer:					
05832265	07/12/18	MICHAEL MAHAN					
Line	Qty Ship'd	Qty BO'd	UoM	Part # Description	Unit Price	Extended Price	T X
1	1	0	EA	6" S31 175PSIG(CWP), LUGGED WAFER STYLE ASME 16.6 F.F. CLASS 150, A536 GRADE 60-40-18, A351 GRADE CF8M, A276 S316SS EPDM, BUNA, 8" HW 30:1 GO, 04-0300 AIS COMPLIANT	1102.270	1102.27	
Sub total						1,102.27	
Freight						0.00	
Tax						0.00	
Grand Total						1,102.27	
DIRECT SHIP				Serving the Pacific Northwest since 1911			



**H.D. FOWLER  
COMPANY**PO Box 81468 \* Seattle, WA \* 98124-5668  
125-716-8900Invoice  
Number **14765855**PSDS  
# 015290Pasco Branch  
1336 Dietrich Road  
Pasco, WA 99301  
(509) 545-0255 Fax (509) 545-0299*3 w  
including  
UV Addition  
PIPING*

To:		Ship to: 915 HUBBARD AVE	
APOLLO INC Attn: Accounts Payable PO Box 7305 KENNEWICK WA 993360617		COEUR D'ALENE	ID 83814
Terms: 10P+30	Due: 05/10/18	Order#	Inv Date: Order Writer:
FOB: JOBSITE	Ship Via: VENDOR'S CHOICE	O5782151	03/13/18 MICHAEL MAHAN
		PO/JOB: P162-0017 P162 TERTIARY TREATMENT PHAS	

Line	Qty Ship'd	Qty BO'd	UoM	Part # Description	Unit Price	Extended Price	T X
2	1	0	EA	6" ANSI 150 MODEL SA16 WAFER CHECK VALVE 316 SS BODY, DISC, AND TRIM EPDM SEAT WITH EXTERNAL WEIGHT AND LEVER #V0615XEZSA16 (SHIP WITH P2149989)	1921.250	1921.25	
Sub total						1,921.25	
Freight						0.00	
Tax						0.00	
Grand Total						1,921.25	

DIRECT SHIP W.O.G.

Serving the Pacific Northwest since 1911



PO Box 160 \* Bellevue, WA \* 98009-0160

3W - CPR 11



3W #1

Tank Draw

all items

To: MATTMA  
mattma@hdfowler.com  
APOLLO INC  
08/09/17 01:56:20pm

From: WAYNE STOKEN  
Phone: (509) 568-8400 x2500

1/5

## Order Acknowledgement

This order requires confirmed receipt of this acknowledgement because it contains special order items which are indicated by two asterisks (\*\*). Please approve this order by simply replying to this email message, or by printing the attachment, signing and returning it back to us.

Non-Stocks, Special Orders or Engineered items may not be returnable. Those that are returnable are subject to a minimum 25% restock fee. Some orders may also have applicable freight charges not shown on this Order Acknowledgement.

I accept this as written. Please get this order for me as listed below.

Signature \_\_\_\_\_ Date \_\_\_\_\_ Print Name \_\_\_\_\_

Your PO: 17041 Project: P162 TERTIARY TREATMENT PHASE 2  
 Ordered By: amy Order Date: 08/01/17  
 Est. Ship Date: 08/29/17 Order #: O5636887  
 Shipping From: Spokane Warehouse Ship VIA: WILL CALL

Freight Terms:

Line#	Item	Unit	Qty	Price	Ext. Price	Tax
1	** 8" X 5'-0" FL X PE DI SPOOL,CML, L69 PRIMED, AIS (TONY TO FIELD GROOVE)	EA	1	337.88	337.88	T
2	8" VICTAULIC #31 CPLG FOR DIP, TNEMEC #1, S GASKET	EA	2	221.70	443.40	T
3	** 8" FLANGED 45 C110 DOMESTIC CML, L69 PRIME COATED	EA	2	228.43	456.86	T
4	** 8" X 4'-0" FL X PE DI SPOOL,CML,L69 PRIMED, AIS	EA	2	300.48	600.96	T
5	** 8" FLANGED 90 C110 DOMESTIC, CML, L69 PRIME COATED	EA	1	284.14	284.14	T
6	** 8" X 6" FLANGED REDUCING 90 DEGREE ELBOW CML, L69 PRIME COATED (HOLD FOR PUMP INLET AND PUMP OUTLET VERIFICATION)	EA	1	312.56	312.56	T
7	** 6" X 1'-3" FL X FL DI SPOOL, PRIMED, AIS	EA	1	370.93	370.93	T
9	** 6" X 4'-6" FL X PE DI SPOOL,CML,L69 PRIMED, AIS	EA	1	319.18	319.18	T
10	** 6" RFCA RESTRAINED FCA FOR DI PIPE, FUSION EPOXY L/C, STD BOLTS, GRADE 30 GASKETS, AIS	EA	1	272.53	272.53	T
12	** 6" X 1'-9" FL X FL DI SPOOL, PRIMED, AIS	EA	1	389.93	389.93	T
13	** 16" X 6" FLANGED C110 CONCENTRIC REDUCER WITH BOSS AND 2" IPT TAP IN POSITION "M" CML, L69 PRIME COATED DOMESTIC	EA	1	895.89	895.89	T
15	** 16" X 6" FLANGED C110 CONCENTRIC REDUCER DOMESTIC CML, L69 PRIME COATED	EA	1	806.14	806.14	T
16	** 6" X 1'-3" FL X FL DI SPOOL,CML, L69 PRIMED, AIS	EA	4	246.57	986.28	T





PO Box 160 \* Bellevue, WA \* 98009-0160



To: MATTMA  
 mattma@hdfowler.com  
 APOLLO INC  
 08/09/17 01:56:20pm

From: WAYNE STOKEN  
 Phone: (509) 568-8400 x2500

2/5

## Order Acknowledgement

Line#	Item	Unit	Qty	Price	Ext. Price	Tax
17	** 6" FLANGED 90 C110 CML, L69 PRIME COATED DOMESTIC	EA	7	156.00	1,092.00	T
18	** 6" X 7'-0" FL X PE DI SPOOL,CML,L69 PRIMED, AIS (TONY TO GROOVE)	EA	1	289.00	289.00	T
19	6" VICTAULIC #31 CPLG FOR DIP, TNEMEC #1, S GASKET	EA	4	151.20	604.80	T
20	** 6" FLANGED TEE C110 DOMESTIC CML, L69 PRIME COATED	EA	2	229.54	459.08	T
21	** 6" X 4'-0" FL X PE DI SPOOL,CML,L69 PRIMED, AIS	EA	1	207.40	207.40	T
22	** 6" FLANGED 45 C110 DOMESTIC CML, L69 PRIME COATED	EA	1	137.61	137.61	T
23	** 6" X 6'-0" FL X FL DI SPOOL,CML,L69 PRIMED, AIS	EA	1	365.08	365.08	T
24	** 6" X 17'-6" FL X FL DI SPOOL,CML,L69 PRIMED, AIS	EA	2	677.88	1,355.76	T
25	** 6" X 2'-9" FL X FL DI SPOOL,CML,L69 PRIMED, AIS	EA	1	283.48	283.48	T
26	** 6" X 4'-9" FL X FL DI SPOOL,CML,L69 PRIMED, AIS (VERTICAL SPOOL)	EA	1	337.88	337.88	T
27	** 6" X 0'-9" FL X FL DI SPOOL,CML,L69 PRIMED, AIS	EA	1	241.40	241.40	T
28	** 6" X 1/2" IP ROMAC 202NU SADDLE FOR DI PIPE WITH U-BOLTS, NYLON COATED, AIS	EA	1	46.23	46.23	T
29	** 1/2" X 4" SCH 40 304 S/S THREADED NIPPLE, DOMESTIC	EA	1	4.86	4.86	T
30	** 1/2" THREADED 316 S/S FULL PORT BALL VALVE WITH LEVER, AIS	EA	2	32.09	64.18	T
31	** 1/2" X 2" SCH 40 304 S/S THREADED NIPPLE, DOMESTIC	EA	1	2.71	2.71	T
32	** 1/2" CLASS 150 304 S/S THREADED TEE, DOMESTIC	EA	1	12.57	12.57	T
33	** 1/2" X 6" SCH 40 304 S/S THREADED NIPPLE, DOMESTIC	EA	1	7.00	7.00	T
34	** 1/2" MIP X MALE HOSE ADAPTER, 316 S/S, AIS	EA	1	35.49	35.49	T
35	** 16" MECHANICALLY GALV BOLT KIT, DOMESTIC	EA	2	168.00	336.00	T
36	** 16" FLANGE INSULATION KIT WITH GASKET, BOLT SLEEVES, WASHERS, AND INSULATING WASHERS (AT UV UNIT)	EA	2	201.17	402.34	T
37	** 8" MECHANICALLY GALV BOLT KIT, DOMESTIC	EA	14	31.00	434.00	T



**H.D. FOWLER  
COMPANY**

PO Box 160 \* Bellevue, WA \* 98009-0160



To: TONY DELAPENA  
tdelapena@apollo-gc.com  
APOLLO INC  
11/03/17 11:12:00am

From: Matt Mahan  
Phone: (509) 492-5226 x2311

3/5

## Order Acknowledgement

Non-Stocks, Special Orders or Engineered items may not be returnable. Those that are returnable are subject to a minimum 25% restock fee. Some orders may also have applicable freight charges not shown on this Order Acknowledgement.

<b>Your PO:</b> P 162	<b>Project:</b> P162 TERTIARY TREATMENT PHASE 2
<b>Ordered By:</b> TONY D	<b>Order Date:</b> 11/01/17
<b>Est. Ship Date:</b> 11/03/17	<b>Order #:</b> O5745677
<b>Shipping From:</b> Pasco Warehouse	<b>Ship VIA:</b> VENDOR'S CHOICE
	<b>Freight Terms:</b>

Line#	Item	Unit	Qty	Price	Ext. Price	Tax
1	6" FLANGED 45 DEGREE BEND, DOMESTIC, CML/PRIME	EA	1	297.81	297.81	Y
2	8" X 6" FLANGED REDUCER, DOMESTIC, CML/PRIME	EA	1	359.81	359.81	Y



Total	657.62
Freight	0.00
Tax	39.46
Grand Total	697.08



PO Box 160 \* Bellevue, WA \* 98009-0160



To: TONY DELAPENA  
tdelapena@apollo-gc.com  
APOLLO INC  
12/07/17 02:09:09pm

From: Matt Mahan  
Phone: (509) 492-5226 x2311

4/5

## Order Acknowledgement

This order requires confirmed receipt of this acknowledgement because it contains special order items which are indicated by two asterisks (\*\*). Please approve this order by simply replying to this email message, or by printing the attachment, signing and returning it back to us.

Non-Stocks, Special Orders or Engineered items may not be returnable. Those that are returnable are subject to a minimum 25% restock fee. Some orders may also have applicable freight charges not shown on this Order Acknowledgement.

I accept this as written. Please get this order for me as listed below.

Signature \_\_\_\_\_ Date \_\_\_\_\_ Print Name \_\_\_\_\_

Your PO:	TMF3W	Project:	P162 TERTIARY TREATMENT PHASE 2
Ordered By:	tony	Order Date:	12/07/17
Est. Ship Date:	12/07/17	Order #:	O5775890
Shipping From:	Pasco Warehouse	Ship VIA:	VENDOR'S CHOICE

Line#	Item	Unit	Qty	Price	Ext. Price	Tax
1	** 6" X 4' 1-3/4" DOMESTIC DUCTILE IRON SPOOL CML/PRM	EA	1	440.80	440.80	T
2	** 6" X 2'6" DOMESTIC DUCTILE IRON SPOOL CML/PRM	EA	1	268.94	268.94	T
3	** 6" X 2' DOMESTIC DUCTILE IRON SPOOL CML/PRM	EA	1	255.39	255.39	T
4	** 6" X 3' DOMESTIC DUCTILE IRON SPOOL CML/PRM	EA	1	313.88	313.88	T
5	** 6" X 1' DOMESTIC DUCTILE IRON SPOOL CML/PRM	EA	1	228.28	228.28	T

Total	1,507.29
Freight	0.00
Tax	0.00
Grand Total	1,507.29





**H.D. FOWLER  
COMPANY**

PO Box 160 \* Bellevue, WA \* 98009-0160

3W Changes after PER & BW piping  
squared up CPR 11



To: TONY DELAPENA  
tdelapena@apollo-gc.com  
APOLLO INC  
02/27/18 09:17:41am

From: Matt Mahan  
Phone: (509) 492-5226 x2311

5/5

## Order Acknowledgement

Non-Stocks, Special Orders or Engineered items may not be returnable. Those that are returnable are subject to a minimum 25% restock fee. Some orders may also have applicable freight charges not shown on this Order Acknowledgement.

<b>Your PO:</b> FILLER FL	<b>Project:</b> P162 TERTIARY TREATMENT PHASE 2
<b>Ordered By:</b> TONY D	<b>Order Date:</b> 02/26/18
<b>Est. Ship Date:</b> 02/26/18	<b>Order #:</b> O5831977
<b>Shipping From:</b> Marysville Warehouse	<b>Ship VIA:</b> UPS - STANDARD
	<b>Freight Terms:</b>

Line#	Item	Unit	Qty	Price	Ext. Price	Tax
1	6" X 1-3/8" STAINLESS STEEL FILLER FLANGE 150# PATTERN	EA	1	398.75	398.75	T

Total	398.75
Freight	0.00
Tax	0.00
Grand Total	398.75

CPR 012

CHEMICAL CENTER 14" ABOVE GRATING COATING





September 11, 2019

Apollo, Inc.  
1133 West Columbia Drive  
Kennewick, WA 99336

Attn: Amy Jenne

Re: Coeur d'Alene Tertiary Treatment Phase 2 project  
CPR 012 – Chemical Center 14 inches Above Grating  
Engineer's Decision

Amy,

We have reviewed your cost proposal for CPR 012 – Chemical Center 14 inches Above Grating. We have found your submitted cost proposal to be acceptable.

A total cost of \$0.00 and a total of 0 calendar days will be included in the forthcoming final Change Order.

Sincerely,  
HDR Engineering, Inc.

A handwritten signature in blue ink, appearing to read 'Todd Jensen'.

Todd Jensen, PE, CCM  
*Construction Manager*

cc: Mike Anderson – City of Coeur d'Alene Wastewater Department  
Rickey Schultz – HDR  
Mike Soucie – HDR  
Mary Scalise – HDR

## Jensen, Todd

---

**From:** Amy Jenne <Amy.Jenne@apollo-gc.com>  
**Sent:** Wednesday, September 11, 2019 10:50 AM  
**To:** Jensen, Todd  
**Subject:** CDA Tertiary CPR 12

Hi Todd,

We have discussed and revised pricing for CPR 12 Chemical Center Upper Level Interior Coating several times. The most recent cost proposal from Apollo was \$847.06. I would propose at this point we agree to a no cost change amount for CPR 12 to meet in the middle for a fair and reasonable resolution.

Feel free to give me a call to discuss further.

Thanks  
Amy

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Change Proposal Request No: 012

(Not a Change Order)

**Project Name:**

CDA Tertiary Ph 2 Improvements

**Project Owner:**

City of Coeur d'Alene, Idaho

**HDR Project No:**

10053342

**Owner's Project No. (If applicable):**

**Contractor:**

Apollo, Inc

**Regulatory Agency Project No. (If applicable):**

Initiated by: Engineer

Date: 8/24/2017

**Attention:**

The following change in the contract on this project is proposed. Please provide your proposed price for the cost of this change.

- 1) A breakdown of cost SHALL be provided upon request by the Owner or Engineer.
- 2) Work shall not commence until authorized by the Owner.

**Description of Proposed Change:**

In the Chemical Systems Center, utilize coating as specified in Specification Section 09 96 00 2.3 Coating Systems: Concrete; Interior – Secondary Containment (highly Corrosive) to extend coating work to top of foundation wall above the grating. This coating work is approximately 14 inches tall around the perimeter.

The dimensions of this coating work is approximately 122.75 lineal feet of 14-inch wall, or 122.75' X 1.167' = 143 square feet.

**Section # Filter:**

Todd Jensen, PE, CCM

By

All work shall be in accordance with the terms, stipulations, and conditions of the original Contract Documents. If the work herein provided for is Approved by Change Order, the time of completion will be:

Increased     Decreased     Unchanged

by \_\_\_\_\_ calendar days.

This change will:  Add     Deduct     Not Change

**HDR Recommendation:**

Recommend Acceptance

Do Not Recommend Acceptance

By: HDR Engineering

Date

**Owner's Action:**

Accepted     Not Accepted

By: Owner

Date



**/// BUILDING PEOPLE WHO BUILD GREAT THINGS**

**Change Proposal Request Summary**

Project: City of Coeur d'Alene Tertiary Treatment Phase 2  
 Apollo Inc.

CPR No: 12 Rev1

Date: 11/17/17

Description	Labor	Mat	Equip.	Subcont. Total	Supp Total	Total
Item 1	\$ 299.00	\$ -	\$ -	\$ 537.60	\$ -	\$ 836.60

**SUBTOTAL COST > \$ 836.60**

Insurance Premium .5% - Changed Work > \$ 4.18

Bond Premium .75% - Changed Work > \$ 6.27

**TOTAL LUMP SUM COST > \$ 847.06**

**Change Proposal Request**  
**Project: City of Coeur d'Alene Tertiary Treatment Phase 2**  
**Apollo Inc.**

**CPR No:** 12 Rev1  
**Item No:** 1  
**Date:** 11/7/17

*Item Description: Raise the top of coating on the walls in the Chemical Systems Center approximately 14" around the entire perimeter. Approximate dimensions of added coating 122.75'x1*

Description	Qty	U of M	Rate	Labor	Unit	Rate	Mat	Unit	Rate	Equip.	Subcont. Total	Total
<b>APOLLO - PROJECT SUPERVISION COSTS</b>												
Project Manager	2.0	HR	\$ 90.00	\$ 180.00								\$ 180.00
Project Superintendent	1.0	HR	\$ 80.00	\$ 80.00								\$ 80.00
Yard Piping / Site Earthwork Super		HR	\$ 68.00	\$ -								\$ -
Apollo - Subtotal Direct Costs >				\$ 260.00			\$ -			\$ -		\$ 260.00
Markup on Self-Performed Labor, Mat'ls & Equipment >	15.0%			\$ 39.00			\$ -			\$ -		\$ 39.00
<b>SUBCONTRACTOR COSTS</b>												
Extreme Coatings											\$ 3,432.00	\$ 3,432.00
											\$ (2,920.00)	\$ (2,920.00)
											\$ -	\$ -
Subtotal Subcontractors Costs >											\$ 512.00	\$ 512.00
Markup on Subcontractor Costs >	5.0%										\$ 25.60	\$ 25.60
<b>SUPPLEMENTAL COSTS</b>												
Special Consultants											\$ -	\$ -
Subsistence for Project Supervision					HR	\$ 11.25	\$ -					\$ -
Temporary Facilities at the Site					LS		\$ -					\$ -
Small Tools	0.0				LS	\$ -	\$ -					\$ -
Subtotal Supplementary Costs >							\$ -				\$ -	\$ -
Markup on Supplementary Costs >	0.0											

<b>Contractor - Total Direct Costs w/Markup &gt;</b>	<b>\$ 836.60</b>
Insurance Premium .5% - Changed Work >	\$ 4.18
Bond Premium .75% - Changed Work >	\$ 6.27
<b>TOTAL LUMP SUM COST &gt;</b>	<b>\$ 847.06</b>

CPR 013

ISOLATION GATES IN PC EFFLUENT BOXES





June 5, 2018

Apollo, Inc.  
1133 West Columbia Drive  
Kennewick, WA 99336

Attn: Amy Jenne

Re: Coeur d'Alene Tertiary Treatment Phase 2 project  
CPR 013 – Isolation Gate in PC Effluent Box  
Engineer's Decision

Amy,

We have reviewed your cost proposal for CPR 013 – Isolation Gate in PC Effluent Box. We have found your submitted cost proposal to be acceptable, however, we made some minor adjustments to the labor rates so they match the agreed upon labor rates.

A total cost of \$12,537.00 and a total of 0 calendar days will be included in the forthcoming final Change Order.

Sincerely,  
HDR Engineering, Inc.

A handwritten signature in blue ink, appearing to read 'Todd Jensen'.

Todd Jensen, PE, CCM  
*Construction Manager*

cc: Jim Remitz – City of Coeur d'Alene Wastewater Department  
Rickey Schultz – HDR  
Lizzy English – HDR  
Mike Soucie – HDR  
Mary Scalise – HDR



Change Proposal Request No: 013

(Not a Change Order)

**Project Name:**

CDA Tertiary Ph 2 Improvements

**Project Owner:**

City of Coeur d'Alene, Idaho

**HDR Project No:**

10053342

**Owner's Project No. (If applicable):**

**Contractor:**

Apollo, Inc

**Regulatory Agency Project No. (If applicable):**

**Initiated by:** Engineer

**Date:** 04/30/2018

**Attention:**

The following change in the contract on this project is proposed. Please provide your proposed price for the cost of this change.

- 1) A breakdown of cost SHALL be provided upon request by the Owner or Engineer.
- 2) Work shall not commence until authorized by the Owner.

**Description of Proposed Change:**

Primary Clarifier 2 Effluent Box Structure Modifications:

- 1. Contractor shall install a new stop gate 40" wide X 60" tall. The material shall be ¼" thick 316 SS.
- 2. The gate will have 3 – SS 2" X 2" X 3/16" angles welded horizontally for support.
- 3. The gate will have two side guides attached to the existing concrete wall by epoxy anchors at manufacturer's recommended spacing and size and an open bottom so the gate will abut the concrete floor.
- 4. The gate will have two SS handles made of ½" rod. Each handle will be 6" wide and protrude at least 10" above the top of the gate. Attach handles at center points 10" from each side or far enough to clear side guides by 4".

Primary Clarifier 3 Effluent Box Structure Modifications:

- 1. Contractor to coordinate grout and reinforcement of fillet with actual dimensions of slide gate.
- 2. Contractor shall install a fillet of at least a 2 to 1 slope on the footing above the slide gate opening.
- 3. Contractor shall install gate SLG 501-32, originally intended for secondary distribution structure as noted on sheet 001C501, section 'B'.
- 4. Contractor to provide opening in grating for gate operator, banding all open ends.
- 5. Contractor to verify dimensions of existing structures.
- 6. See modifications on Sheet 220S301 from Tertiary Treatment Phase 2 attached.

TODD JENSEN, PE, CCM

By

All work shall be in accordance with the terms, stipulations, and conditions of the original Contract Documents. If the work herein provided for is Approved by Change Order, the time of completion will be:

Increased     Decreased     Unchanged

by \_\_\_\_\_ calendar days.

This change will:  Add     Deduct     Not Change

**HDR Recommendation:**

Recommend Acceptance

Do Not Recommend Acceptance

By: HDR Engineering

Date

**Owner's Action:**

Accepted     Not Accepted

By: Owner

Date

Change Proposal Request  
 Project: City of Couer d'Alene Tertiary Treatment Phase 2  
 Apollo, Inc.

CPR No: 13

Date: 6/1/2018

Description	Labor	Mat	Equip	Sub Total	Supp Total	Total
Item 1	\$ 4,712.72	\$ 7,302.50	\$ 243.80	\$ -	\$ 123.20	\$ 12,382.22
Item 2	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Item 3	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Item 4	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
<b>Contractor - Total Direct Costs w/Markup &gt;</b>						<b>\$ 12,382.22</b>
Insurance Premium .5% - Changed Work >						\$ 61.91
Bond Premium .75% - Changed Work >						\$ 92.87
<b>TOTAL LUMP SUM COST &gt;</b>						<b>\$ 12,537.00</b>

Change Proposal Request  
 Project: City of Couer d'Alene Tertiary Treatment Phase 2  
 Apollo, Inc.

CPR No: 13  
 Item No: 1  
 Date: 6/1/2018

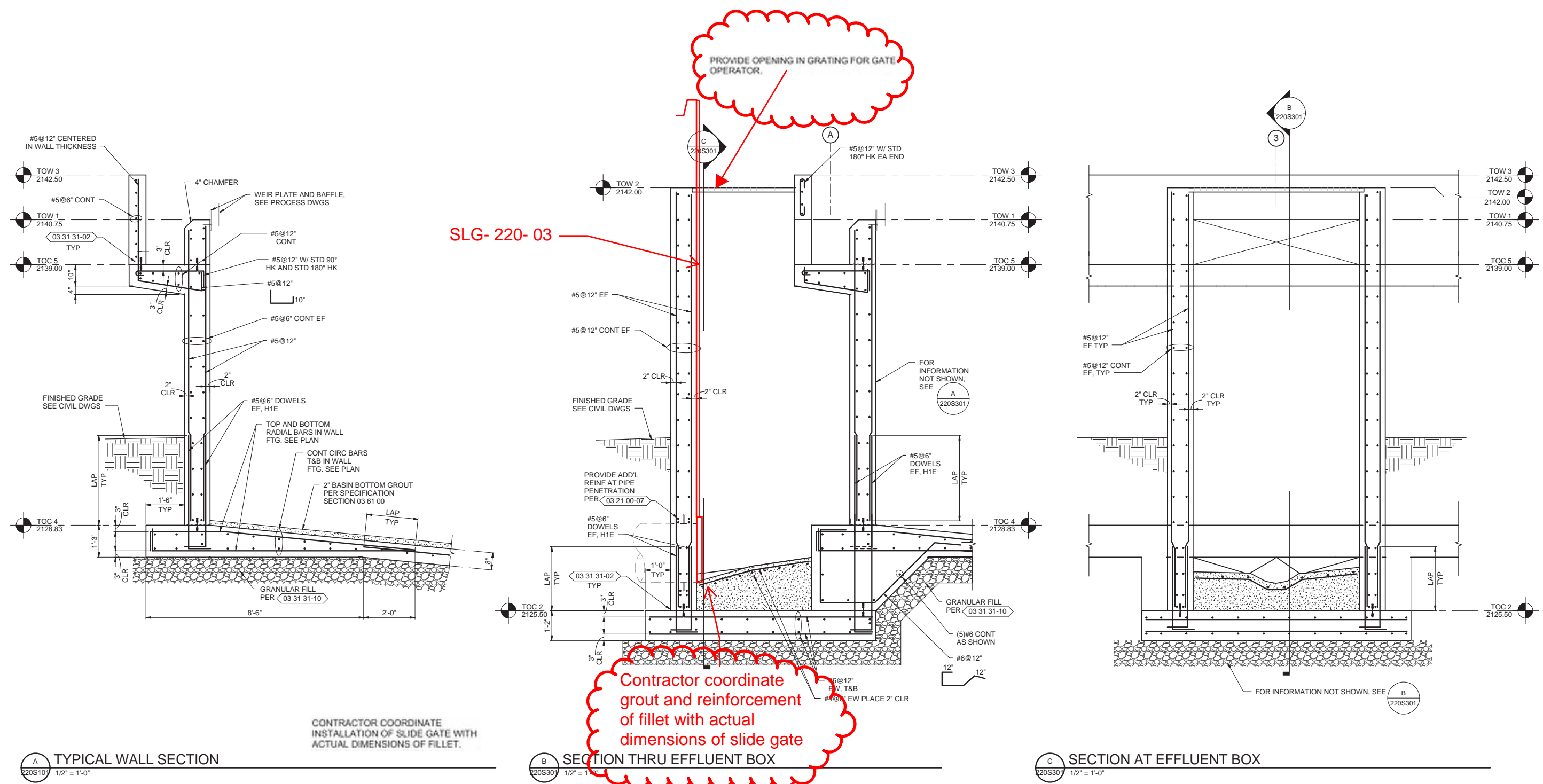
Item Description: Isolation Gates in PC Effluent Box

Description	Qty	U of M	Rate	Labor	Unit	Rate	Mat	Unit	Rate	Equip	Subcont. Total	Total
<b>APOLLO - PROJECT SUPERVISION COSTS</b>												
Project Manager	4.0	HR	\$ 90.00	\$ 360.00								360.00
Project Superintendent	8.0	HR	\$ 79.56	\$ 636.48								636.48
Yard Piping/ Site Earthwork Super	0.0	HR	\$ 68.08	\$ -								-
<b>APOLLO - CRAFT LABOR COSTS</b>												
Carpenter												-
Carpenter	20.0	HR	\$ 38.37	\$ 767.40								767.40
Pipefitter												-
Pipefitter	36.0	HR	\$ 60.93	\$ 2,193.48								2,193.48
<b>APOLLO - OPERATED EQUIPMENT</b>												
<b>Crane - Manitowoc 222</b>												
+ Operator	2.0	HR	\$ 47.41	\$ 94.82								94.82
+ Equipment & Operator Costs	2.0							HRLY	\$ 86.00	\$ 172.00		172.00
<b>Forklift - CAT TH83</b>												
+ Operator	1.0	HR	\$ 45.84	\$ 45.84								45.84
+ Equipment & Operator Costs	1.0							HRLY	\$ 40.00	\$ 40.00		40.00
<b>APOLLO - MATERIAL COSTS</b>												
PC2 Gate	1.0				LS	\$ 5,050.00	\$ 5,050.00					\$ 5,050.00
Misc. Grout Material	1.0				LS	\$ 800.00	\$ 800.00					\$ 800.00
Misc. Grating Mod Material	1.0				LS	\$ 500.00	\$ 500.00					\$ 500.00
Apollo - Subtotal Direct Costs >				\$ 4,098.02			\$ 6,350.00			\$ 212.00		\$ 10,660.02
Markup on Self Performed Labor, Materials & Equipement >	0.15			\$ 614.70			\$ 952.50			\$ 31.80		\$ 1,599.00
<b>SUPPLEMENTAL COSTS</b>												
Special Consultants											\$ -	\$ -
Subsistence for Project Supervision					HR	\$ 11.25						\$ -
Temporary Facilities at the Site					LS							\$ -
Small Tools	1.0				LS	\$ 123.20	\$ 123.20					\$ 123.20
Subtotal Supplementary Costs >							\$ 123.20					\$ 123.20
Markup on Supplementary Costs >	0.0											\$ -

**Contractor - Total Direct Costs w/Markup > \$ 12,382.22**

Insurance Premium .5% - Changed Work > \$ 61.91  
 Bond Premium .75% - Changed Work > \$ 92.87

**TOTAL LUMP SUM COST > \$ 12,537.00**



**A** TYPICAL WALL SECTION  
1/2" = 1'-0"

**B** SECTION THRU EFFLUENT BOX  
1/2" = 1'-0"

**C** SECTION AT EFFLUENT BOX  
1/2" = 1'-0"

R:\1677417\2067295\_220\_STRUCTURAL.dwg  
2/13/2017 1:05:31 PM



ISSUE	DATE	DESCRIPTION
0	02/01/2017	CONFORMED DOCUMENTS

PROJECT MANAGER	
CIVIL	T. JENSEN
STRUCTURAL	C. YARN
ARCHITECTURAL	J. RICKERT
PROCESS	R. SCHULTZ
MECHANICAL	K. SUTTON
ELECTRICAL	G. WEISZ
INSTRUMENTATION	G. WEISZ
PROJECT NUMBER	10026247

CONTRACT DOCUMENTS AND SUBSEQUENTLY ISSUED ADDENDA HAVE BEEN MERGED INTO ONE CONFORMING SET OF DOCUMENTS FOR THE CONVENIENCE OF THE CONTRACTOR. THE CONFORMED DOCUMENTS ARE FOR REFERENCE ONLY AND ARE NOT CONTRACT DOCUMENTS. IF INCONSISTENCIES OR AMBIGUITIES BETWEEN THE CONFORMED DOCUMENTS AND THE CONTRACT DOCUMENTS ARE FOUND, THE CONTRACT DOCUMENTS AND ADDENDA SHALL TAKE PRECEDENCE.



City of Coeur d'Alene  
Advanced Wastewater Treatment Facility  
Tertiary Treatment Phase 2



**PRIMARY CLARIFIER 3  
STRUCTURAL  
WALL SECTIONS**

FILENAME: Structural Container File.rvt  
SCALE: 1/2" = 1'-0"

SHEET  
**220S301**



**/// BUILDING PEOPLE WHO BUILD GREAT THINGS**

**Change Proposal Request Summary**  
 Project: City of Coeur d'Alene Tertiary Treatment Phase 2  
 Apollo Inc.

CPR No: \_\_\_\_\_ CPR No: 13  
 Date: \_\_\_\_\_ Date: 06/01/18

Description	Labor	Mat	Equip.	Subcont. Total	Supp Total	Total
Item 1	\$ 4,722.84	\$ 7,302.50	\$ 243.80	\$ -	\$ 123.20	\$ 12,392.35
<b>SUBTOTAL COST &gt;</b>						<b>\$ 12,392.35</b>
Insurance Premium .5% - Changed Work >						\$ 61.96
Bond Premium .75% - Changed Work >						\$ 92.94
<b>TOTAL LUMP SUM COST &gt;</b>						<b>\$ 12,547.25</b>



**Change Proposal Request**  
**Project: City of Coeur d'Alene Tertiary Treatment Phase 2**  
**Apollo Inc.**

**CPR No:** 13  
**Item No:** 1  
**Date:** 6/1/18

*Item Description: Isolation Gates in PC Effluent Box*

Description	Qty	U of M	Rate	Labor	Unit	Rate	Mat	Unit	Rate	Equip.	Subcont. Total	Total
<b>APOLLO - PROJECT SUPERVISION COSTS</b>												
Project Manager	4.0	HR	\$ 90.00	\$ 360.00								\$ 360.00
Project Superintendent	8.0	HR	\$ 80.00	\$ 640.00								\$ 640.00
Yard Piping / Site Earthwork Super	0.0	HR	\$ 68.00	\$ -								\$ -
<b>APOLLO - CRAFT LABOR COSTS</b>												
<b>Carpenters</b>												
Carpenter	20.0	HR	\$ 38.50	\$ 770.00								\$ 770.00
<b>Pipefitter</b>												
Pipefitter	36.0	HR	\$ 61.00	\$ 2,196.00								\$ 2,196.00
<b>APOLLO - OPERATED EQUIPMENT</b>												
<b>Crane - Manitowoc 222</b>												
+ Operator	2.0	HR	\$ 47.41	\$ 94.82								\$ 94.82
+ Operating Costs	2.0							HRLY	\$ 86.00	\$ 172.00		\$ 172.00
<b>Forklift - CAT TH83</b>												
+ Operator	1.0	HR	\$ 46.00	\$ 46.00								\$ 46.00
+ Operating Costs	1.0							HRLY	\$ 40.00	\$ 40.00		\$ 40.00
<b>APOLLO - MATERIAL COSTS</b>												
PC2 Gate	1.0				LS	\$ 5,050.00	\$ 5,050.00					\$ 5,050.00
Misc. Grout Material	1.0				LS	\$ 800.00	\$ 800.00					\$ 800.00
Misc. Grating Mod Material	1.0					\$ 500.00	\$ 500.00					\$ 500.00
							\$ -					\$ -
Apollo - Subtotal Direct Costs >				\$ 4,106.82			\$ 6,350.00			\$ 212.00		\$ 10,668.82
Markup on Self-Performed Labor, Mat'ls & Equipment >	15.0%			\$ 616.02			\$ 952.50			\$ 31.80		\$ 1,600.32
<b>SUPPLEMENTAL COSTS</b>												
Special Consultants											\$ -	\$ -
Subsistence for Project Supervision					HR	\$ 11.25	\$ -					\$ -
Temporary Facilities at the Site					LS	\$ -	\$ -					\$ -
Small Tools	1.0				LS	\$ 123.20	\$ 123.20					\$ 123.20
Subtotal Supplementary Costs >						\$ 123.20					\$ -	\$ 123.20
Markup on Supplementary Costs >	0.0											

<b>Contractor - Total Direct Costs w/Markup &gt;</b>	<b>\$ 12,392.35</b>
Insurance Premium .5% - Changed Work >	\$ 61.96
Bond Premium .75% - Changed Work >	\$ 92.94
<b>TOTAL LUMP SUM COST &gt;</b>	<b>\$ 12,547.25</b>



# Golden Harvest, Inc.

Golden Gates™

Phone: 360-757-4334  
Fax: 360-757-1135  
Email: [sales@goldenharvestinc.com](mailto:sales@goldenharvestinc.com)

Post Office Box 287  
Burlington, WA 98233  
Web: [www.goldenharvestinc.com](http://www.goldenharvestinc.com)

## QUOTATION #18-0424

**PAGE 1 OF 1**

**FOR ANSWERS TO QUESTIONS REGARDING THIS QUOTATION CONTACT: DAVID WISE @ 1-800-338-6238**

**PLEASE RESPOND TO:**

Apollo GC  
1133 W. Columbia DR  
Kennewick, WA 99336

ATTN:  
Kevin Burke  
509-947-4607

EMAIL:  
kburke@apollo-gc.com

**DATE:** April 10, 2018  
**QUOTE EXPIRES:** 30 days  
**JOB:** Tertiary Treatment Phase 2 Improvements  
Coeur d'Alene, ID  
**BID DATE:** 12/29/2016 10:00 AM  
**ENGINEERS:** HDR Engineering  
Michael Zeltner  
**PHONE:** 208-387-7000  
**FAX:** 208-387-7100  
**FOB:** FACTORY (Full Freight Allowed)  
**SHIPPING NOTE:** Split shipments available. **REQUEST QUOTE.**  
**TERMS:** Net 30  
**SUBMITTALS:** 1-2 weeks following receipt of order.  
**SHIPMENT:** 8 weeks following submittal approval.  
**ADDENDA REC'D:** 1-4

### SCOPE

SPECIFICATION: 40 05 59 FAB. S-STL SLIDE GATES **GHI IS A NAMED MANUFACTURER**  
SECTION:

#	LOCATION	GATE	SIZE	TYPE	QTY	TOTAL
1	PRIMARY PROCESS	STP-2	40 X 50	MODEL GH-31X TYPE 316 STAINLESS STEEL GATE FRAME, AND HEAD, LIFTING HANDLES. ANCHOR BOLTS.		
TOTAL GATES					1	<b>\$5,050.00</b>

No provision for factory service is made. A factory service representative is available for \$1000 for the first day and \$750 per day thereafter plus actual travel and maintenance expenses. REQUEST SHOULD BE MADE 21 DAYS BEFORE SERVICE REPRESENTATIVE IS REQUIRED.

1. Stainless steel anchor bolts are included for concrete mounted frames.  
2. Epoxy adhesive by contractor.

3. **SALES TAX NOT INCLUDED IN PRICE.**  
4. Mill finish on stainless steel surfaces.

CPR 014

RELOCATE TRANSFORMER AT TMF & SCB



September 1, 2017

1133 West Columbia Drive  
Kennewick, WA 99336

Attn: Amy Jenne

Re: Coeur d'Alene Tertiary Treatment Phase 2 project  
CPR 014 – Relocate Avista Transformer at TMF  
Engineer's Decision

Amy,

We have reviewed your cost proposal for CPR 014 Relocate Avista Transformer at TMF. We have found your submitted cost proposal to be acceptable. However, one comment is to please use the rates for Apollo labor that were provided in the Force Account Labor Sheet on other CPRs. This is not worth the labor time to correct and recalculate totals on this CPR for the approximate one dollar difference.

A total cost of \$8,254.24 and a total of 0 calendar days will be included in the forthcoming final Change Order.

Sincerely,  
HDR Engineering, Inc.

A handwritten signature in blue ink, appearing to read 'Todd Jensen'.

Todd Jensen, PE, CCM  
*Construction Manager*

cc: Jim Remitz – City of Coeur d'Alene Wastewater Department  
Rickey Schultz – HDR  
Lizzy English – HDR  
Mike Soucie – HDR  
Mary Scalise – HDR



**Change Proposal Request No: 014**  
**(Not a Change Order)**

**Project Name:**  
CDA Tertiary Phase 2 Improvements

**Project Owner:**  
City of Coeur d'Alene, Idaho

**HDR Project No:**  
10053342

**Owner's Project No. (If applicable):**

**Contractor:**  
Apollo, Inc

**Regulatory Agency Project No. (If applicable):**

**Initiated by:** Engineer    **Date:** 7-06-2017

**Attention:**

The following change in the contract on this project is proposed. Please provide your proposed price for the cost of this change.

- 1) A breakdown of cost SHALL be provided upon request by the Owner or Engineer.
- 2) Work shall not commence until authorized by the Owner.

**Description of Proposed Change:**

1. The Coeur d' Alene Advanced Wastewater Treatment Facility currently operates its Tertiary Membrane Facility (TMF) via service from Avista's 300kVA pad-mount transformer located outside the fence line, North of the TMF building. Underground conduit exists from the transformer ground sleeve, Handhole HH-610, and inside to MCC-610-01. Avista requires an upsize of the transformer to feed the new loads as part of the 5C.2 upgrades. With this, a new transformer, concrete pad, CT metering, and ground sleeve will be installed by Avista, North of the existing transformer equipment connected to Avista's primary switchgear. The work, as proposed, shall re-route primary power to the new City switchboard SB0060 via new Handhole HH-611, while retaining Handhole HH-610 for use of feeder circuits from SB0060. Avista will remove existing transformer and CT metering once power has been successfully transferred to the new transformer service.
2. The work as described, but not limited to, the following:
  - a. Install new Handhole HH-611, North of existing Handhole HH-610, in line with the new Avista transformer and Handhole HH-612 to provide access nearest the service point.
  - b. Relocate conduit and wire as indicated in the design drawings C&W Schedule for P-000-00, P-000-00A, and R-000-01 to be routed from new transformer to HH-611, HH-611 to HH-612, and HH-612 to HH-610 respectively.
  - c. Cap existing conduit runs to existing transformer and transformer pad after service transfer.

Note: See the attached diagram for proposed site modifications

TODD JENSEN, PE, CCM

By

All work shall be in accordance with the terms, stipulations, and conditions of the original Contract Documents. If the work herein provided for is Approved by Change Order, the time of completion will be:

Increased     Decreased     Unchanged

by \_\_\_\_\_ calendar days.

This change will:  Add     Deduct     Not Change

**HDR Recommendation:**

Recommend Acceptance

Do Not Recommend Acceptance

By: \_\_\_\_\_

Date \_\_\_\_\_

**Owner's Action:**

Accepted     Not Accepted

---

By: Owner

---

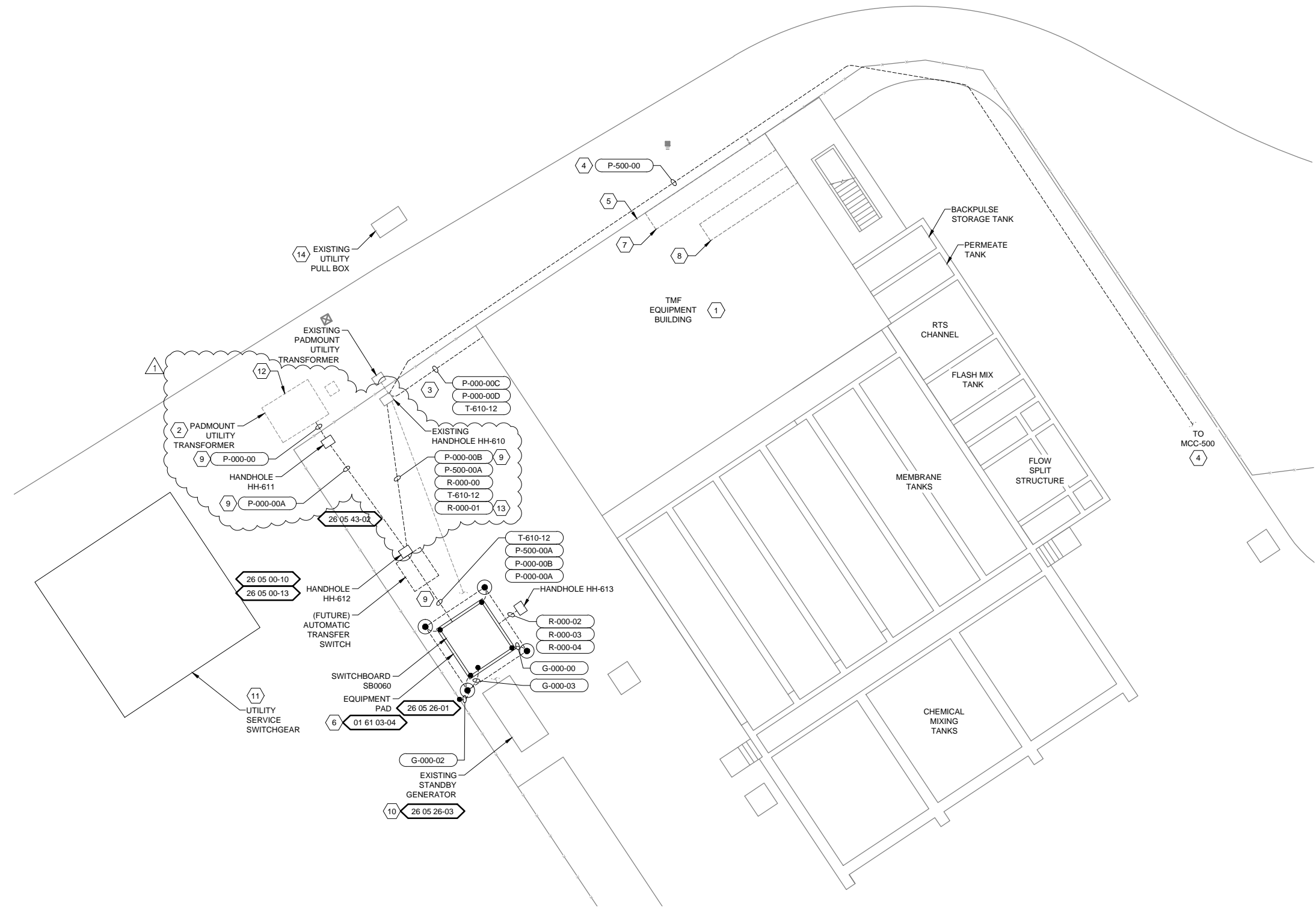
Date

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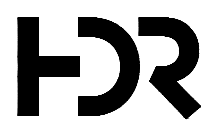
HDR Project Tracker Collaboration System



- GENERAL NOTES:**
- A. CONTRACTOR SHALL BE RESPONSIBLE FOR LOCATING AND PROTECTING ALL UNDERGROUND AND OVERHEAD UTILITIES.
- KEY NOTES:** (X)
- MCC-610-01, NEW MCC-610-02, LCP-610, CP-01/11/12-OEM AND NEW CP-13/14/15 LOCATED IN TERTIARY MEMBRANE FACILITY (TMF).
  - PRESERVE AND PROTECT CONDUIT AND CONCRETE PAD FOR PROVISIONS OF FUTURE TRANSFORMER.
  - REMOVE EXISTING MCC-610-01 CONDUCTORS AND PULL NEW IN EXISTING CONDUIT FROM SB0060 TO MCC-610-01 AND MCC-610-02 PER CONDUIT AND WIRE SCHEDULE.
  - FEEDER MCC-500 SHALL UTILIZE EXISTING CONDUIT R-500-01. RELABEL TO CONDUIT P-500-00.
  - GROUND BUS BAR OF EXISTING GROUNDING ELECTRODE SYSTEM IS LOCATED ALONG TMF NORTHEAST WALL ABOVE FLOOR LEVEL.
  - EQUIPMENT PAD SHALL MEET AND/OR EXCEED WEIGHT REQUIREMENTS OF SWITCHGEAR TO BE INSTALLED.
  - EXISTING MCC-610-01 APPROXIMATE LOCATION ON GROUND FLOOR.
  - MCC-610-02 APPROXIMATE LOCATION ON GROUND FLOOR.
  - CONCRETE CAP CONDUIT RUNS.
  - BOND SWITCHGEAR TO EXISTING GROUNDING ELECTRODE SYSTEM AND FENCE.
  - APPROXIMATE LOCATION OF UTILITY PRIMARY TRANSFER SWITCHGEAR.
  - UTILITY SERVICE TRANSFORMER SHALL PROVIDE PRIMARY SERVICE TO SWITCHGEAR SB0060. SERVING UTILITY TO PROVIDE SWITCHED SERVICE TO TRANSFORMER.
  - PROVIDE SPARE CONDUIT WITH PULL CORD.
  - PULL BOX CURRENTLY PROVIDES PRIMARY SERVICE TO EXISTING PAD MOUNT TRANSFORMER. UTILITY TO REROUTE PRIMARY SERVICE THROUGH PRIMARY SWITCHGEAR AND BACK TO EXISTING PAD MOUNT TRANSFORMER.



CPR #2



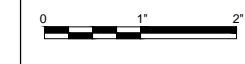
ISSUE	DATE	DESCRIPTION
1	07/06/2017	ELECTRICAL CPR #2
0	02/01/2017	CONFORMED DOCUMENTS

PROJECT MANAGER	MICHAEL ZELTNER
CIVIL	T. JENSEN
STRUCTURAL	C. YARN
ARCHITECTURAL	J. RICKERT
PROCESS	R. SCHULTZ
MECHANICAL	K. SUTTON
ELECTRICAL	G. WEISZ
INSTRUMENTATION	G. WEISZ
PROJECT NUMBER	10026247

CONTRACT DOCUMENTS AND SUBSEQUENTLY ISSUED ADDENDA HAVE BEEN MERGED INTO ONE CONFORMING SET OF DOCUMENTS FOR THE CONVENIENCE OF THE CONTRACTOR. THE CONFORMED DOCUMENTS ARE FOR REFERENCE ONLY AND ARE NOT CONTRACT DOCUMENTS. IF INCONSISTENCIES OR AMBIGUITIES BETWEEN THE CONFORMED DOCUMENTS AND THE CONTRACT DOCUMENTS ARE FOUND, THE CONTRACT DOCUMENTS AND ADDENDA SHALL TAKE PRECEDENCE.



City of Coeur d'Alene  
Advanced Wastewater Treatment Facility  
Tertiary Treatment Phase 2



FILENAME | 001E203A.dwg  
SCALE | 3/32" = 1'-0"

**SITE ELECTRICAL PARTIAL SITE PLAN TERTIARY FILTRATION**

SHEET  
**001E203A**





**/// BUILDING PEOPLE WHO BUILD GREAT THINGS**

**Change Proposal Request Summary**  
 Project: City of Coeur d'Alene Tertiary Treatment Phase 2  
 Apollo Inc.

CPR No: \_\_\_\_\_ CPR No: 14  
 Date: \_\_\_\_\_ Date: 08/15/17

Description	Labor	Mat	Equip.	Subcont. Total	Supp Total	Total
Item 1	\$ 676.20	\$ -	\$ -	\$ 7,476.14	\$ -	\$ 8,152.34
<b>SUBTOTAL COST &gt;</b>						<b>\$ 8,152.34</b>
Insurance Premium .5% - Changed Work >						\$ 40.76
Bond Premium .75% - Changed Work >						\$ 61.14
<b>TOTAL LUMP SUM COST &gt;</b>						<b>\$ 8,254.24</b>

Change Proposal Request  
 Project: City of Coeur d'Alene Tertiary Treatment Phase 2  
 Apollo Inc.

CPR No: 14  
 Item No: 1  
 Date: 8/15/17

Item Description: Item 2a, 2b and 2c in CPR Description of Proposed Changes

Description	Qty	U of M	Rate	Labor	Unit	Rate	Mat	Unit	Rate	Equip.	Subcont. Total	Total
<b>APOLLO - PROJECT SUPERVISION COSTS</b>												
Project Manager	4.0	HR	\$ 90.00	\$ 360.00								\$ 360.00
Project Superintendent	2.0	HR	\$ 80.00	\$ 160.00								\$ 160.00
Yard Piping / Site Earthwork Super	1.0	HR	\$ 68.00	\$ 68.00								\$ 68.00
Apollo - Subtotal Direct Costs >				\$ 588.00			\$ -			\$ -		\$ 588.00
Markup on Self-Performed Labor, Mat'ls & Equipment >	15.0%			\$ 88.20			\$ -			\$ -		\$ 88.20
<b>SUBCONTRACTOR COSTS</b>												
Mountain States Electric											\$ 7,120.13	\$ 7,120.13
											\$ -	\$ -
Subtotal Subcontractors Costs >											\$ 7,120.13	\$ 7,120.13
Markup on Subcontractor Costs >	5.0%										\$ 356.01	\$ 356.01
<b>SUPPLEMENTAL COSTS</b>												
Special Consultants											\$ -	\$ -
Subsistence for Project Supervision					HR	\$ 11.25	\$ -					\$ -
Temporary Facilities at the Site					LS		\$ -					\$ -
Small Tools	0.0				LS	\$ -	\$ -					\$ -
Subtotal Supplementary Costs >							\$ -				\$ -	\$ -
Markup on Supplementary Costs >	0.0											

Contractor - Total Direct Costs w/Markup > \$ 8,152.34

Insurance Premium .5% - Changed Work > \$ 40.76

Bond Premium .75% - Changed Work > \$ 61.14

**TOTAL LUMP SUM COST > \$ 8,254.24**



Change Proposal Request No: 014

(Not a Change Order)

Project Name:  
CDA Tertiary Phase 2 Improvements

Project Owner:  
City of Coeur d'Alene, Idaho

HDR Project No:  
10053342

Owner's Project No. (If applicable):

Contractor:  
Apollo, Inc

Regulatory Agency Project No. (If applicable):

Initiated by: Engineer Date: 7-06-2017

Attention:

The following change in the contract on this project is proposed. Please provide your proposed price for the cost of this change.

- 1) A breakdown of cost SHALL be provided upon request by the Owner or Engineer.
- 2) Work shall not commence until authorized by the Owner.

Description of Proposed Change:

- 1 The Coeur d' Alene Advanced Wastewater Treatment Facility currently operates its Tertiary Membrane Facility (TMF) via service from Avista's 300kVA pad-mount transformer located outside the fence line, North of the TMF building. Underground conduit exists from the transformer ground sleeve, Handhole HH-610, and inside to MCC-610-01. Avista requires an upsize of the transformer to feed the new loads as part of the 5C.2 upgrades. With this, a new transformer, concrete pad, CT metering, and ground sleeve will be installed by Avista, North of the existing transformer equipment connected to Avista's primary switchgear. The work, as proposed, shall re-route primary power to the new City switchboard SB0060 via new Handhole HH-611, while retaining Handhole HH-610 for use of feeder circuits from SB0060. Avista will remove existing transformer and CT metering once power has been successfully transferred to the new transformer service.
- 2. The work as described, but not limited to, the following:
  - a. Install new Handhole HH-611, North of existing Handhole HH-610, in line with the new Avista transformer and Handhole HH-612 to provide access nearest the service point.
  - b. Relocate conduit and wire as indicated in the design drawings C&W Schedule for P-000-00, P-000-00A, and R-000-01 to be routed from new transformer to HH-611, HH-611 to HH-612, and HH-612 to HH-610 respectively.
  - c. Cap existing conduit runs to existing transformer and transformer pad after service transfer.

Note: See the attached diagram for proposed site modifications

TODD JENSEN, PE, CCM

By

All work shall be in accordance with the terms, stipulations, and conditions of the original Contract Documents. If the work herein provided for is Approved by Change Order, the time of completion will be:

Increased     Decreased     Unchanged

by \_\_\_\_\_ calendar days.

This change will:  Add     Deduct     Not Change

HDR Recommendation:

Recommend Acceptance

Do Not Recommend Acceptance

By

Date

Owner's Action:

Accepted     Not Accepted



**Change Order Proposal**

Change Request No: 4

To: APOLLO

Date Of Proposal: 8/11/2017

Job #: 17-010

Regarding: CPR 14

Job Name: CDA TERTIARY TREATMENT PHASE 2

Attention: AMY JENNY / KEVIN BURKE

Work To Be Done: AS REQUESTED - PROVIDE COST IMPACT TO ADD VAULT AND RELOCATE CONDUIT AND WIRING AS PER AVISTA REQUIREMENTS.  
INCLUDES : NEW METER CAN AND MOUNTING, GROUNDING, CONDUIT PER AVISTA SPECIFICATIONS  
EXCLUDES : ALL EXCAVATION, CUTTING AND PATCHING OF ASPHALT, CONCRETE HOUSE KEEPING PAD

Labor Hours: FOREMAN  
 JOURNEYMAN  
 PROJECT MANAGER

Hrs:	Rate:		
2	\$ 61.72	\$	123.44
22	\$ 57.82	\$	1,272.04
1	\$ 85.00	\$	85.00
<b>Total Labor Dollars:</b>		<b>\$</b>	<b>1,480.48</b>

Tools & Equipment Rentals:

Material -		\$	-
	VAULT, CONDUIT, METER CAN, etc.	\$	4,710.94
	<b>SUB TOTAL</b>	<b>\$</b>	<b>4,710.94</b>

SUB CONTRACTORS

SUB CONTRACTOR TOTAL:	\$	-
	\$	6,191.42

This change requires a time extension of: **0 ( ZERO )** days. Pricing void/subject to revision after  
 The costs represented in this Change Proposal include only those costs which can be identified at this time. No impact or delay costs are included. Should it be determined that the project is impacted at a later date by multiple changes, delays, or other causes beyond our control, we will submit these at that time.

LABOR MARK UP	15.00%	\$	222.07
MATERIAL / EQUIPMENT MARK UP	15.00%	\$	706.64
SUB CONTRACTOR	15.00%	\$	-
		\$	-
<b>Subtotal:</b>		<b>\$</b>	<b>928.71</b>

**Total Proposed Change Order price:** \$ 7,120.13

Submitted By: DAVE PERRINS Date: 8/11/2017

Approved By: \_\_\_\_\_ Date: \_\_\_\_\_

Title \_\_\_\_\_

**Mountain States Electric**

**\*\* BID TAKE-OFF DETAILS 2 \***

Job: CDA TERTIARY PHASE 2

Job Number: 66

Bid Date: 12/20/2016

Page: 1 of 1

Date: 8/11/2017 10:26:39 AM

Assm. No.	Lab Lvl	Description	Qty	Mat Unit	Mat Ext	Lab Unit	Lab MH Ext
<b>CPR 14</b>		<b>SITE</b>		<b>POWER</b>		<b>PERRINS</b>	<b>&lt;No Name&gt;</b>
							<b>&lt;No Name&gt;</b>
*** Breakout Multipliers: Count = 1				Material Cost = 1.0		Labor Hours = 1.0	
00500		Miscellaneous Items		0.00			
	4	2" PVC 90 ELBOW		3.00	5.510	16.50	0.300
		>>> Mult: Lab = 1 <<<****>>> Mult: Mat = 3.82 <<<					
	1	2" PVC JOINTLINE		1.00	1.400	5.10	0.110
		>>> Mult: Lab = 1 <<<****>>> Mult: Mat = 4.387 <<<					
<b>Assembly: 00500 Total</b>						<b>22.29</b>	<b>1.14</b>
<b>Unit Material, Labor and Sell</b>						<b>22.29</b>	<b>1.14</b>
00539			1.00				
	0	VAULT	1.00	3900.000	3900.00	1.000	4.00
	4	GROUND ROD 3/4 X 10 FT 7510	1.00	66.010	66.01	1.000	1.00
	4	1/2-3/8 TO 5/8 GND ROD END SH	1.00	8.000	8.00	1.400	1.40
	4	2" GRC RIGID CONDUIT	70.00	4.100	287.00	0.160	1.71
	4	1" GRC RIGID CONDUIT	10.00	2.075	20.75	0.100	1.00
	4	1" WHOLESTOCK STRAPS	4.00	0.011	0.04	0.040	0.11
	4	1" GRC 90-DEGREE BEND LAMP	1.00			0.061	0.25
<b>Assembly: 00539 Total</b>						<b>4,090.55</b>	<b>12.01</b>
<b>Unit Material, Labor and Sell</b>						<b>4,090.55</b>	<b>12.01</b>
00540			2.00				
	0	2" GRC PIPE CAP	2.00	75.000	150.00	0.200	0.50
	4	40 STRAIN BAKE COPPER WIRE	40.00	0.370	14.80	0.011	0.33
	4	4" GRC SWEEP TO END BIL	4.00	50.050	200.20	0.000	1.00
<b>Assembly: 00540 Total</b>						<b>223.10</b>	<b>3.84</b>
<b>Unit Material, Labor and Sell</b>						<b>111.55</b>	<b>1.92</b>
00541			1.00				
	0	351 METER CAN	1.00	275.000	275.00	1.000	1.00
<b>Special Item: 00541 Total</b>						<b>275.00</b>	<b>1.00</b>
<b>Unit Material, Labor and Sell</b>						<b>275.00</b>	<b>1.00</b>
00542			1.00				
	0	METER CAN STAND	1.00	100.000	100.00	1.000	1.00
<b>Special Item: 00542 Total</b>						<b>100.00</b>	<b>4.00</b>
<b>Unit Material, Labor and Sell</b>						<b>100.00</b>	<b>4.00</b>
<b>Breakout Total</b>						<b>4,710.94</b>	<b>21.99</b>
<b>Bid Take-Off Details Total</b>						<b>\$4,710.94</b>	<b>21.99</b>

CPR 015

PC3 STEEL UPPER ROOF SUPPORT



October 25, 2017

1133 West Columbia Drive  
Kennewick, WA 99336

Attn: Amy Jenne

Re: Coeur d'Alene Tertiary Treatment Phase 2 project  
CPR 015 – Steel Supports for Roof Deck  
Engineer's Decision

Amy,

We have reviewed your cost proposal for CPR 015 Steel Supports for Roof Deck. We have found your submitted cost proposal to be acceptable.

A total cost of \$13,389.71 and a total of 0 calendar days will be included in the forthcoming final Change Order.

Sincerely,  
HDR Engineering, Inc.

A handwritten signature in blue ink, appearing to read 'Todd Jensen'.

Todd Jensen, PE, CCM  
*Construction Manager*

cc: Jim Remitz – City of Coeur d'Alene Wastewater Department  
Rickey Schultz – HDR  
Lizzy English – HDR  
Mike Soucie – HDR  
Mary Scalise – HDR





Change Proposal Request No: 015

(Not a Change Order)

**Project Name:**

CDA Tertiary Ph 2 Improvements

**Project Owner:**

City of Coeur d'Alene, Idaho

**HDR Project No:**

10053342

**Owner's Project No. (If applicable):**

**Contractor:**

Apollo, Inc

**Regulatory Agency Project No. (If applicable):**

**Initiated by:** Engineer

**Date:** 7/24/2017

**Attention:**

The following change in the contract on this project is proposed. Please provide your proposed price for the cost of this change.

- 1) A breakdown of cost SHALL be provided upon request by the Owner or Engineer.
- 2) Work shall not commence until authorized by the Owner.

**Description of Proposed Change:**

Furnish and install approximately 106-feet of bent plate 3.5x3.5x3/8 at the lower roof and approximately 140-feet of L6x6x1/2 around the upper roof perimeter to support the metal deck per submittal review comments for submittal 05 30 00-01 Metal Deck, attached.

TODD JENSEN, PE, CCM

By \_\_\_\_\_

All work shall be in accordance with the terms, stipulations, and conditions of the original Contract Documents. If the work herein provided for is Approved by Change Order, the time of completion will be:

Increased     Decreased     Unchanged

by \_\_\_\_\_ calendar days.

This change will:  Add     Deduct     Not Change

**HDR Recommendation:**

Recommend Acceptance

Do Not Recommend Acceptance

By: HDR Engineering

Date \_\_\_\_\_

**Owner's Action:**

Accepted     Not Accepted

By: Owner

Date \_\_\_\_\_

**From:** [Jensen, Todd](#)  
**To:** [Amy Jenne](#)  
**Cc:** [Schultz Jr., Rickey](#); [English, Lizzy](#); [Soucie, Michael](#)  
**Subject:** RE: CDA Tertiary CPR 15  
**Date:** Monday, October 2, 2017 1:39:47 PM  
**Attachments:** [image006.png](#)  
[image011.png](#)  
[Pages from 05 30 00-001 Metal Deck Submittal Redlines.pdf](#)

---

Amy,

Below are additional comments (attached redlines as well) from Chris Yarn:

1. All bent plate has been reduced to 3x3x3/16.
2. The welding of the new bent plate is 3 – 12 skip welding on the top and the bottom of the bent plate. For clarification, I have correctly redlined this on Sheet D2 of the attached PDF. I understand that welding along one side of the length of tube steel has its fabrication challenges. While properly managing the heat from welding can reduce its effect on the straightness of the beam, I don't have any issue with additional cost this process adds to fabrication. However, the added fab cost should be applied to the lower roof only. Their quote does not provide sufficient detail to know if this is how they are handling it.
3. The eave angle around the upper roof only needs to be 6x6 parallel to the joists (Gridlines 2 & 4). To reduce material cost, L6x3.5x5/16 can be used perpendicular to the joists (this matches Details A & B on 501S503). For clarification, I have correctly redlined this on Sheet D2 of the attached PDF.
4. While I appreciate the fabricator's explanation for the cost difference, I do not agree that fabrication of bent plate is out of the ordinary with respect to steel fabrication. The use of bent plate is common and we have not seen it cause a four fold increase in material cost on previous projects. We have significantly reduced the total weight of steel to offset this cost increase.

Could you please update the costs on the Change Proposal per the comments above.

Thanks,  
Todd

Todd R. Jensen, PE, CCM  
D 509-343-8490 M 509-953-9259



[hdrinc.com/follow-us](http://hdrinc.com/follow-us)

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**From:** Amy Jenne [mailto:[amy.jenne@apollo-gc.com](mailto:amy.jenne@apollo-gc.com)]  
**Sent:** Wednesday, September 27, 2017 10:42 AM  
**To:** Jensen, Todd  
**Cc:** Schultz Jr., Rickey; English, Lizzy; Soucie, Michael  
**Subject:** RE: CDA Tertiary CPR 15

Hi Todd,

Below is the response from my steel fabricator with regards to the question on pricing of the steel:

*“Simple structural steel can sell for \$1.00/pound. Simple structural steel is large beams with holes punched in them. You can fabricate a 3,000 pound beam in an hour or two so labor costs are extremely low. The connection clips are generally the same and can be run through a clip master or similar machine very quickly in a few seconds per clip. There is usually a very limited amount of welding.*

*For this change order we have to provide very small pieces of plate that don't weigh very much, bend them to a precise acute angle and carefully fit them to a square tube truss. Then there is at least 1,500 inches of weld which is very time consuming. Because all of the weld is on one side of the square tube it will curve toward the weld side even if it is restrained and then stress relieved which generally ends up in a significant amount of time wasted post-treating the tube to get it straight again. This is NOT an efficient design with respect to fabrication shop man hours.*

*Please verify the EOR is requiring a 3-12 skip weld both on the top and bottom of the plate we are welding to the square tube. If the flare bevel weld on top of the square tube and plate is supposed to be continuous we will need to take another look at this change order. We assumed a 3-12 skip weld on both the top and bottom of the plate when bidding this.”*

Please advise whether the skip weld is acceptable or continuous. If it is continuous, we will need to revise our pricing.

Secondly, I have attached the basis of their quantity. To address the difference in quantity, you will need to provide me HDR's basis of quantity.

Please give me a call to discuss further.

Thanks.

Amy Jenne

Vice President

Apollo, Inc.

1-509-987-1417 direct phone



---

**From:** Jensen, Todd [<mailto:Todd.Jensen@hdrinc.com>]

**Sent:** Monday, September 25, 2017 7:43 AM

**To:** Amy Jenne <[amy.jenne@apollo-gc.com](mailto:amy.jenne@apollo-gc.com)>

**Cc:** Schultz Jr., Rickey <[Rickey.Schultz@hdrinc.com](mailto:Rickey.Schultz@hdrinc.com)>; English, Lizzy <[Lizzy.English@hdrinc.com](mailto:Lizzy.English@hdrinc.com)>; Soucie, Michael <[Michael.Soucie@hdrinc.com](mailto:Michael.Soucie@hdrinc.com)>

**Subject:** RE: CDA Tertiary CPR 15

Amy,

We have a couple of comments on this CPR:

1. The quantity for the 3/8" bent plate and L6 listed by Intermountain do not match the quantities we provided on the CPR.
2. The material cost appears high. Our structural engineer says that we typically see costs in the \$1.00/lb range and these costs are in the \$4.00/lb range. The material is not galvanized or stainless.

Thanks,  
Todd

Todd R. Jensen, PE, CCM  
D 509-343-8490 M 509-953-9259



[hdrinc.com/follow-us](http://hdrinc.com/follow-us)

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**From:** Amy Jenne [<mailto:amy.jenne@apollo-gc.com>]  
**Sent:** Tuesday, August 29, 2017 3:07 PM  
**To:** Jensen, Todd; English, Elizabeth  
**Cc:** Kevin Burke  
**Subject:** CDA Tertiary CPR 15

Hi Todd,

Attached is our pricing for CPR 15 for your review and approval. Please let me know if you have any questions.

*Amy Jenne*

Vice President  
Apollo, Inc.  
1-509-987-1417 direct phone



#### Disclaimer

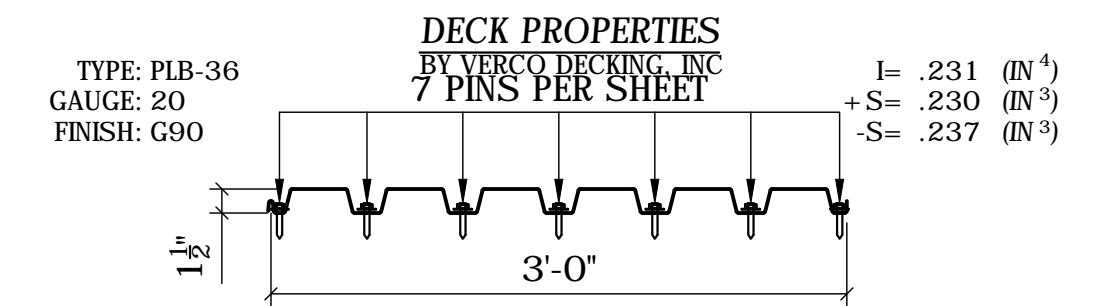
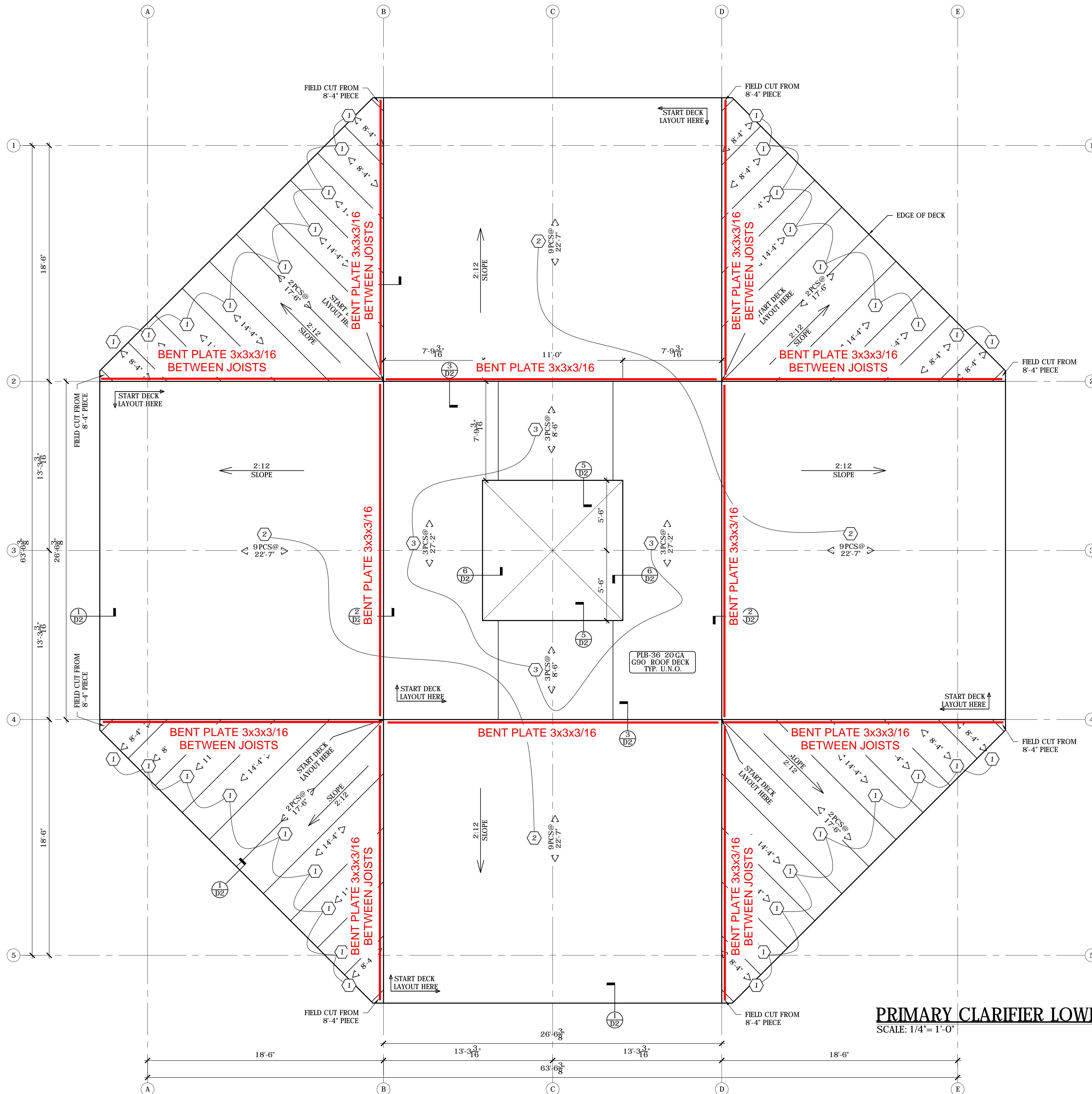
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## Disclaimer

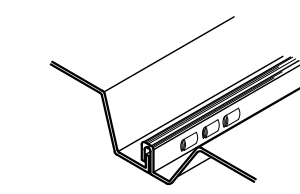
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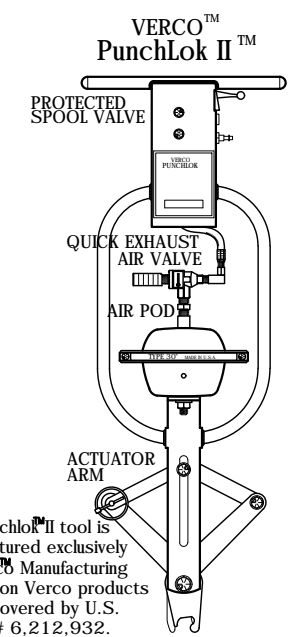
- CONNECTION PER SHEET @ END BEARING: 7 PINS
- CONNECTION PER SHEET @ INTERMEDIATE SUPPORTS: 7 PINS
- CONNECTION ALONG PARALLEL SUPPORTS: PINS @ 12" O.C.
- CONNECTION AT SIDELAP: BUTTON PUNCH @ 8" O.C.

SIDE LAP FASTENING  
 PUNCHLOK TOOL  
 PROVIDED BY TSP



PUNCHLOK II  
 SLITS AND DIMPLES  
 SIDELAP NOTICEABLY  
 INTERLOCKING UNITS

EQUIPMENT REQ:  
 (NOT SUPPLIED BY TSP)  
 AIR INLET NPT - 1/2"  
 MIN. HOSE SIZE - 3/4"  
 MIN. AIR SUPPLY - 4 cfm  
 PRESSURE REQD - 100 psi max.



The Punchlok II tool is manufactured exclusively for Verco Manufacturing for use on Verco products and is covered by U.S. Patent # 6,212,532. Other patents pending.

**NOTES:**

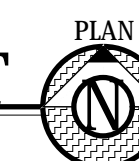
- 1) ALL DECK UNITS FURNISHED FULL WIDTH WITH SQUARE CUT ENDS.
- 2) ALL OPENINGS, NOTCHES, & SKEW CUTTING TO BE FIELD CUT TO SUIT FIELD CONDITIONS AT NO ADDITIONAL COST TO T.S.P.
- 3) CONTRACTOR TO VERIFY ALL DETAILS, DIMENSIONS, QUANTITIES, AND LENGTHS.

**NO BACK CHARGES WILL BE ACCEPTED FOR ADDITIONAL WORK WITHOUT TOMBARI STRUCTURAL PRODUCTS' PRIOR AUTHORIZATION.**

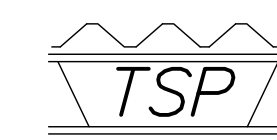
**PRIMARY CLARIFIER LOWER ROOF DECK LAYOUT**

SCALE: 1/4" = 1'-0"

REF: 220S103



**FOR APPROVAL ONLY  
 NOT FOR FIELD USE**



**TOMBARI STRUCTURAL PRODUCTS, INC**

P.O. Box 9107 Spokane, WA 99209-9107  
 1501 N. HOWARD ST., SPOKANE, WA 99201  
 (509) 327-2780 FAX (509) 327-2465

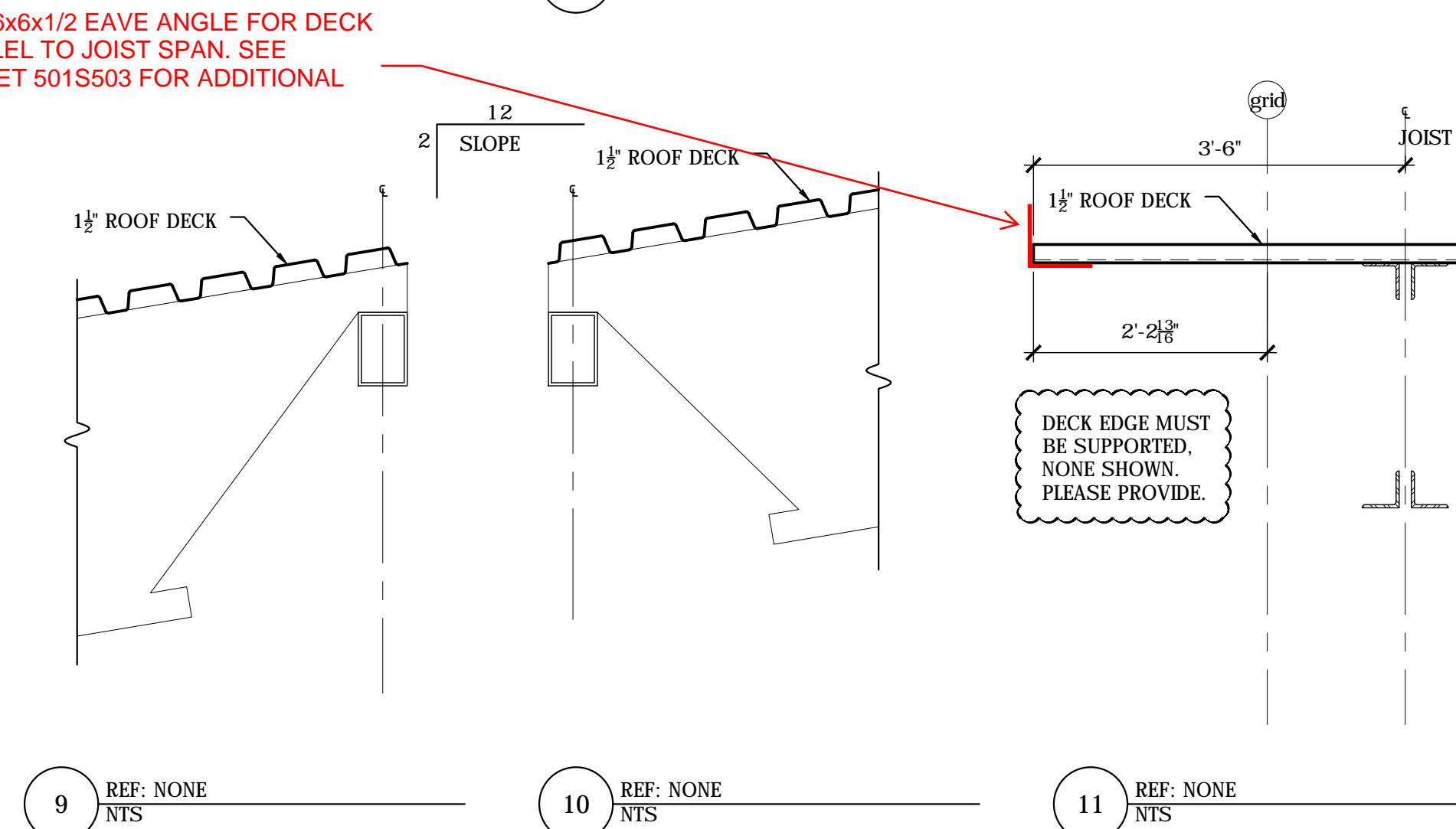
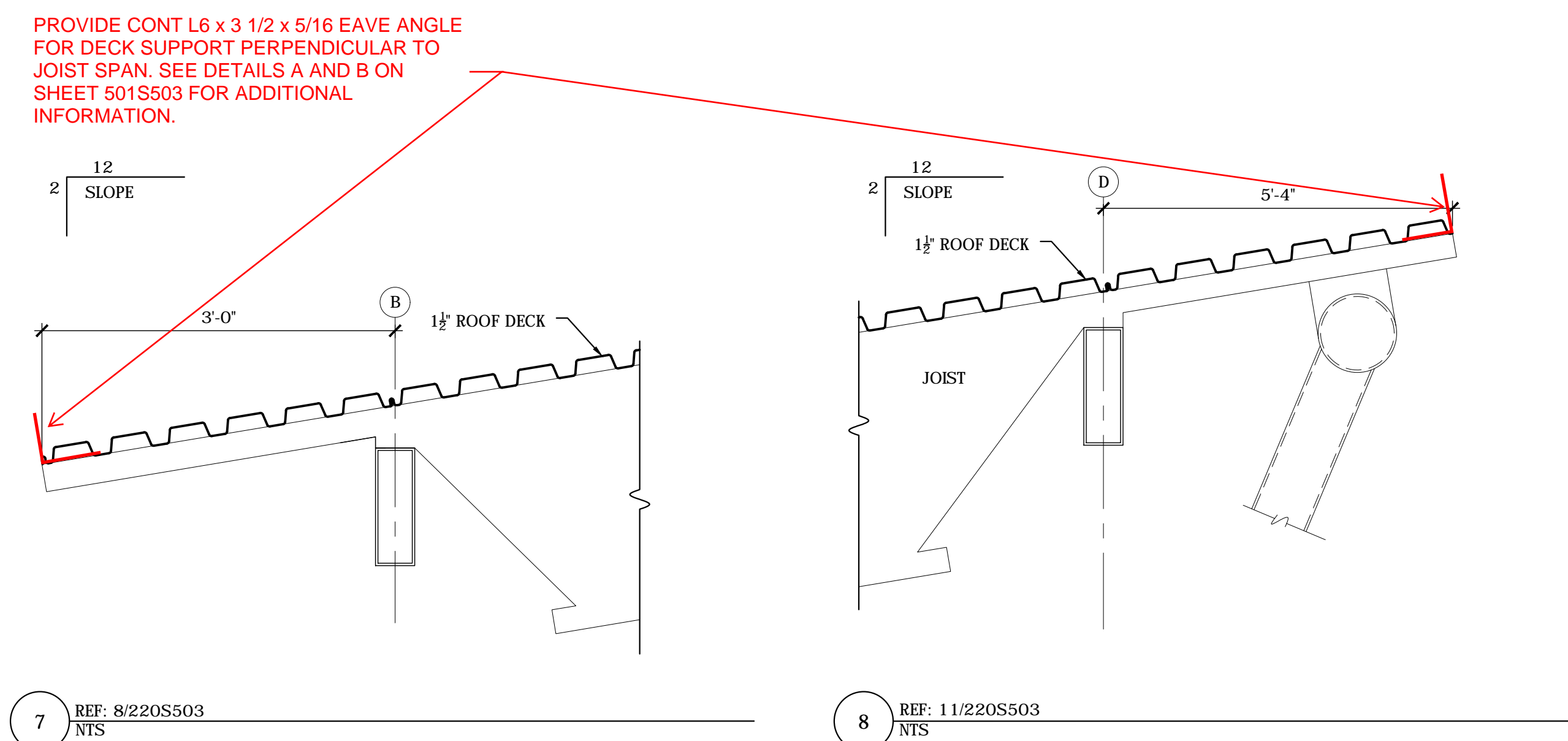
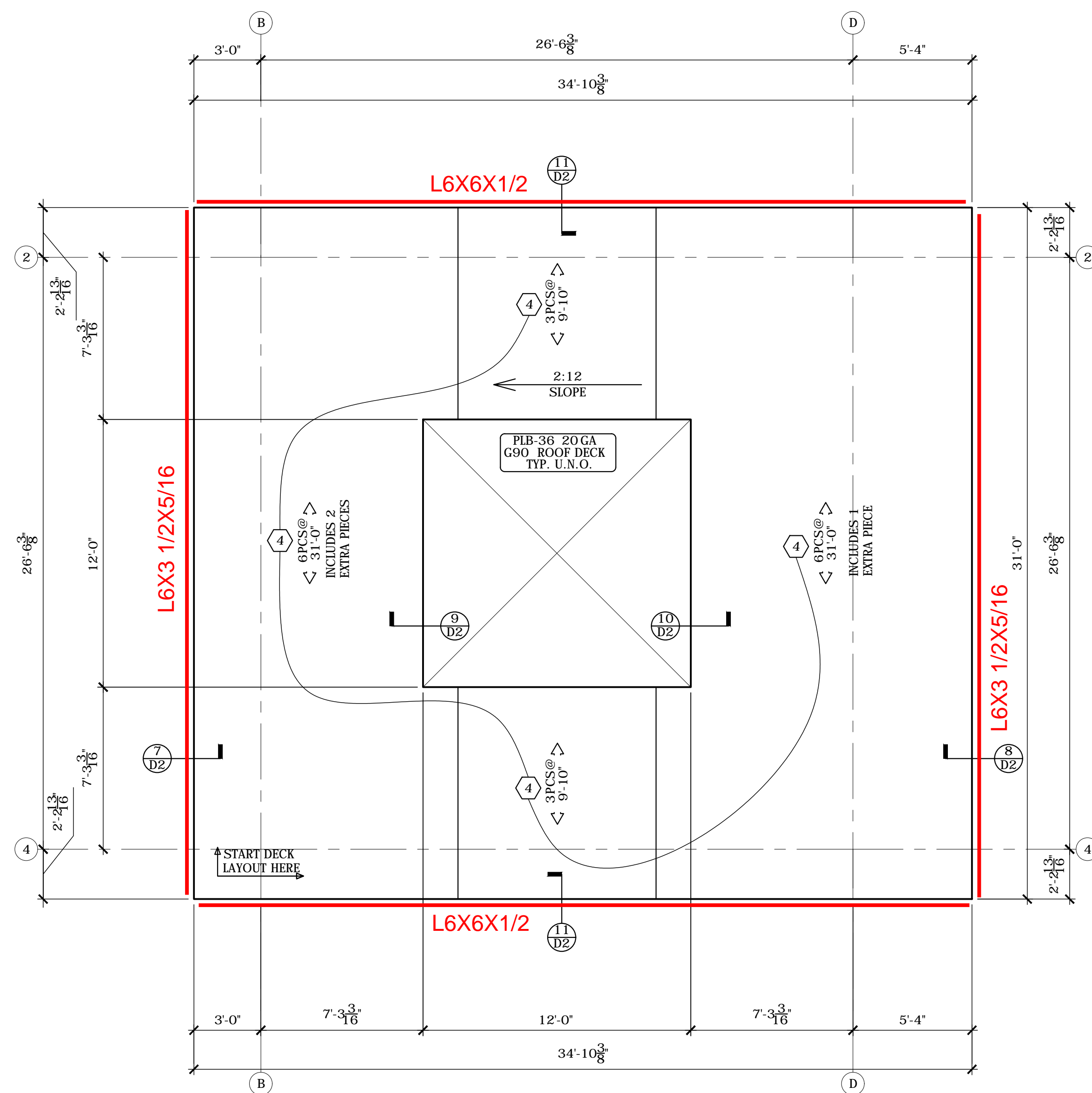
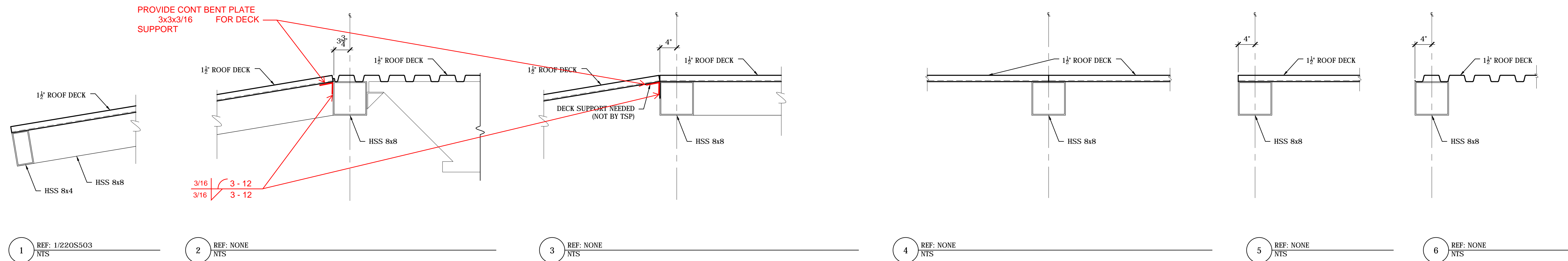
PROJECT TITLE: CITY OF CD'A ADVANCED WTF SHEET TITLE: ROOF DECK LAYOUT  
 COEUR D'ALENE, ID

Drawn by: SCOTT Date: 6/7/17 Checked by: --- Date: ---

Revisions: 1) ---  
 2) ---  
 3) ---

Job Number: T-10214 Manufacturer: VERCO Drawing **D1** of 3



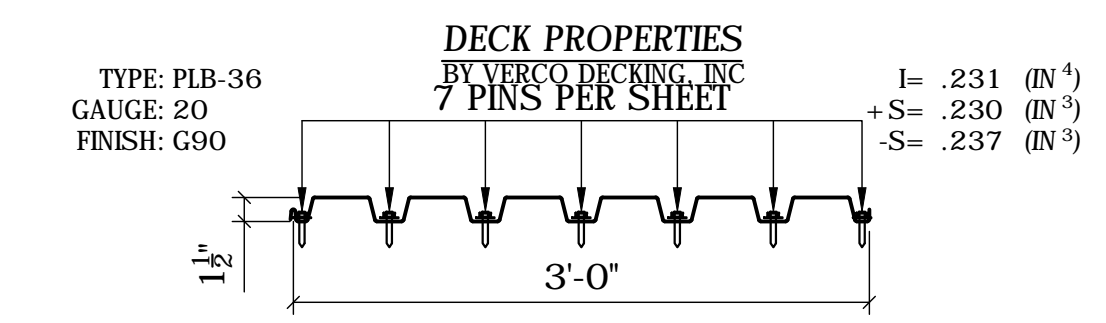
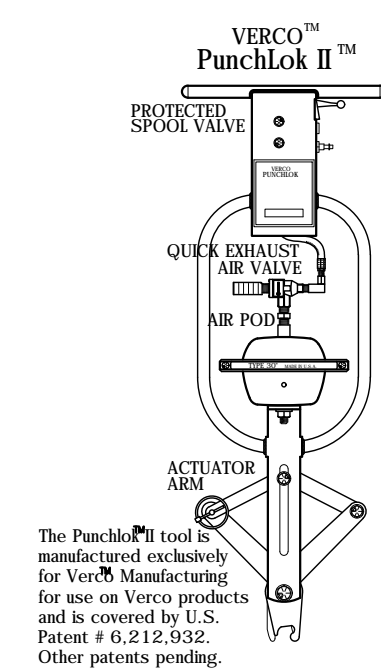


**PRIMARY CLARIFIER UPPER ROOF DECK LAYOUT**  
SCALE: 1/4" = 1'-0"  
REF: 220S104

**SIDE LAP FASTENING**  
PUNCHLOK TOOL PROVIDED BY TSP

**PUNCHLOK II**  
SLITS AND DIMPLES SIDELAP NOTICEABLY INTERLOCKING UNITS

**EQUIPMENT REQ:**  
(NOT SUPPLIED BY TSP)  
AIR INLET NPT - 1/2"  
MIN. HOSE SIZE - 3/8"  
MIN. AIR SUPPLY - 4 cfm  
PRESSURE REQ'D - 100 psi max.



- CONNECTION PER SHEET @ END BEARING: 7 PINS
- CONNECTION PER SHEET @ INTERMEDIATE SUPPORTS: 7 PINS
- CONNECTION ALONG PARALLEL SUPPORTS: PINS @ 12" O.C.
- CONNECTION AT SIDELAP: BUTTON PUNCH @ 8" O.C.

**FOR APPROVAL ONLY  
NOT FOR FIELD USE**

**TSP**  
TOMBARI STRUCTURAL PRODUCTS, INC  
P.O. Box 9107 Spokane, WA 99209-9107  
1501 N. HOWARD ST., SPOKANE, WA 99201  
(509) 327-2780 FAX (509) 327-2465

PROJECT TITLE: CITY OF CDA ADVANCED WTF COEUR D'ALENE, ID SHEET TITLE: ROOF DECK LAYOUT AND DETAIL DRAWINGS

Drawn by: SCOTT Date: 6/7/17 Checked by: --- Date: ---

Revisions: 1) ---  
2) ---  
3) ---

Job Number: T-10219 Manufacturer: VERCO Drawing D2 of 3





**/// BUILDING PEOPLE WHO BUILD GREAT THINGS**

**Change Proposal Request Summary**

Project: City of Coeur d'Alene Tertiary Treatment Phase 2  
 Apollo Inc.

CPR No: 15 Rev1

Date: 10/05/17

Description	Labor	Mat	Equip.	Subcont. Total	Supp Total	Total
Item 1	\$ 1,196.00	\$ 10,718.00	\$ -	\$ 1,310.40	\$ -	\$ 13,224.40

**SUBTOTAL COST > \$ 13,224.40**

Insurance Premium .5% - Changed Work > \$ 66.12

Bond Premium .75% - Changed Work > \$ 99.18

**TOTAL LUMP SUM COST > \$ 13,389.71**

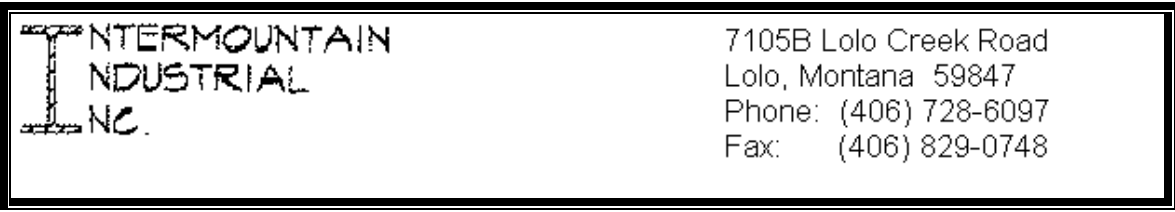
**Change Proposal Request**  
**Project: City of Coeur d'Alene Tertiary Treatment Phase 2**  
**Apollo Inc.**

**CPR No:** 15Rev1  
**Item No:** 1  
**Date:** 10/5/17

*Item Description: Added steel at PC3 Roof*

Description	Qty	U of M	Rate	Labor	Unit	Rate	Mat	Unit	Rate	Equip.	Subcont. Total	Total
<b>APOLLO - PROJECT SUPERVISION COSTS</b>												
Project Manager	8.0	HR	\$ 90.00	\$ 720.00								\$ 720.00
Project Superintendent	4.0	HR	\$ 80.00	\$ 320.00								\$ 320.00
Yard Piping / Site Earthwork Super		HR	\$ 68.00	\$ -								\$ -
<b>APOLLO - MATERIAL COSTS</b>												
Intermountain Industrial	1.0				LS	\$ 9,320.00	\$ 9,320.00					\$ 9,320.00
					LS		\$ -					\$ -
							\$ -					\$ -
Apollo - Subtotal Direct Costs >				\$ 1,040.00			\$ 9,320.00			\$ -		\$ 10,360.00
Markup on Self-Performed Labor, Mat'ls & Equipment >	15.0%			\$ 156.00			\$ 1,398.00			\$ -		\$ 1,554.00
<b>SUBCONTRACTOR COSTS</b>												
American Iron & Steel											\$ 1,248.00	\$ 1,248.00
											\$ -	\$ -
Subtotal Subcontractors Costs >											\$ 1,248.00	\$ 1,248.00
Markup on Subcontractor Costs >	5.0%										\$ 62.40	\$ 62.40
<b>SUPPLEMENTAL COSTS</b>												
Special Consultants											\$ -	\$ -
Subsistence for Project Supervision					HR	\$ 11.25	\$ -					\$ -
Temporary Facilities at the Site					LS		\$ -					\$ -
Small Tools	0.0				LS	\$ -	\$ -					\$ -
Subtotal Supplementary Costs >							\$ -				\$ -	\$ -
Markup on Supplementary Costs >	0.0											

<b>Contractor - Total Direct Costs w/Markup &gt;</b>	<b>\$ 13,224.40</b>
Insurance Premium .5% - Changed Work >	\$ 66.12
Bond Premium .75% - Changed Work >	\$ 99.18
<b>TOTAL LUMP SUM COST &gt;</b>	<b>\$ 13,389.71</b>



October 18, 2017

To: Apollo, Inc.  
Attn: Amy Jenne  
Re: City of Coeur d'Alene Wastewater Department Tertiary Treatment Phase 2

**Supply 3/16" Plate Supports, L 6 x 6 x 1/2 & L 6 x 3 1/2 x 5/16 Supports for Roof Deck on Primary Clarifier 3**

**Scope:**

Supply approximately 238 LF of 3/16" bent plate welded to the roof trusses to support the edge of the roof deck. There are 4 full length areas along the outside of the center square sections and 8 areas along the hipped roof between the joists.

Supply 71 LF of L6 x 6 x 1/2 and 62 LF of L6 x 3 1/2 x 5/16 around the perimeter of the deck on the upper roof of the Primary Clarifier No. 3 cover.

**Quote Details**

- 3/16" plate material cost - \$594.00
- Labor to shear and bend 3/16" plate - \$985.50
- Labor to fit and weld 3/16" plate to trusses - \$2,774.50
- Labor and material to restrain, straighten and stress relive trusses after welding 3/16" plate - \$978.00
- L6 x 6 x 1/2 material cost - \$895.20
- L6 x 6 x 1/2 labor cost - \$60.00
- L 6 x 3 1/2 x 5/16 material cost - \$565.80
- L 6 x 3 1/2 x 5/16 labor cost - \$60.00
- Shop prime and sandblast material cost - \$470.00
- Shop prime and sandblast labor cost - \$981.00
- Re-detail drawings twice - \$450.00
- Weld inspector - \$506.00

**Additional cost for material/work listed above: \$9,320.00**

Contractor certifies the above listed material has been changed from what was shown on the original quote. The material listed above is approved as an additive change order and amount quoted will be added to the contract amount if the change is accepted.

**ACCEPTED:**

**Apollo, Inc.**

**By:** \_\_\_\_\_

**Date:** \_\_\_\_\_

<b>I</b> NTERMOUNTAIN NDUSTRIAL NC.	7105B Lolo Creek Road Lolo, Montana 59847 Phone: (406) 728-6097 Fax: (406) 829-0748
---	--

August 9, 2017

To: Apollo, Inc.  
Attn: Amy Jenne  
Re: City of Coeur d'Alene Wastewater Department Tertiary Treatment Phase 2

**Supply 3/8" Plate Supports and L 6 x 6 x 1/2 Supports for Roof Deck on Primary Clarifier 3**

**Scope:**

Supply approximately 264 LF of 3/8" bent plate welded to the roof trusses to support the edge of the roof deck. There are 4 full length areas along the outside of the center square sections and 8 areas along the hipped roof between the joists.

Supply 134 LF of L6 x 6 x 1/2 around the perimeter of the deck on the upper roof of the Primary Clarifier No. 3 cover.

**Additional cost for material/work listed above: \$12,798.00**

Contractor certifies the above listed material has been changed from what was shown on the original quote. The material listed above is approved as an additive change order and amount quoted will be added to the contract amount if the change is accepted.

**ACCEPTED:**

**Apollo, Inc.**

**By:** \_\_\_\_\_

**Date:** \_\_\_\_\_

CPR 016

VOID

CPR 017

SURVEY EXPOSED FITTINGS AND VALVES



August 1, 2019

Apollo, Inc.  
1133 West Columbia Drive  
Kennewick, WA 99336

Attn: Amy Jenne

Re: Coeur d'Alene Tertiary Treatment Phase 2 project  
CPR 017 – Survey Exposed Fittings and Valves  
Engineer's Decision

Amy,

We have reviewed your cost proposal for CPR 017 - Survey Exposed Fittings and Valves. We have found your submitted cost proposal to be acceptable. However, we did make a slight adjustment to the cost as the backup indicates 88 hours of field time and the cost spreadsheet indicated 93 hours for survey equipment. This reduction from 93 hours to 88 hours reduced the total overall cost from \$11,466.92 to \$11,379.59.

A total cost of \$11,379.59 and a total of 0 calendar days will be included in the forthcoming final Change Order.

Sincerely,  
HDR Engineering, Inc.

A handwritten signature in blue ink, appearing to read 'Todd Jensen'.

Todd Jensen, PE, CCM  
*Construction Manager*

cc: Mike Anderson – City of Coeur d'Alene Wastewater Department  
Rickey Schultz – HDR  
Mike Soucie – HDR  
Mary Scalise – HDR



Change Proposal Request  
 Project: City of Couer d'Alene Tertiary Treatment Phase 2  
 Apollo, Inc.

CPR No: 17  
 Item No: 1  
 Date: 5/1/2019

*Item Description: Survey Exposed Fittings and Valves*

Description	Qty	U of M	Rate	Labor	Unit	Rate	Mat	Unit	Rate	Equip	Subcont. Total	Total
<b>APOLLO - PROJECT SUPERVISION COSTS</b>												
Project Manager	32.0	HR	\$ 90.00	\$ 2,880.00								2,880.00
Project Superintendent	0.0	HR	\$ 79.56	\$ -								-
Yard Piping/ Site Earthwork Super	0.0	HR	\$ 68.08	\$ -								-
<b>APOLLO - CRAFT LABOR COSTS</b>												
Surveyor												
Surveyor	123	HR	\$ 45.31	\$ 5,573.13								5,573.13
<b>APOLLO - OTHER EQUIPMENT COSTS</b>												
Survey Equipment	88.0							HR	\$ 15.00	\$ 1,320.00		1,320.00
	0.0							LS	\$ -	\$ -		-
										\$ -		-
Apollo - Subtotal Direct Costs >				\$ 8,453.13			\$ -			\$ 1,320.00		\$ 9,773.13
Markup on Self Performed Labor, Materials & Equipement >	0.15			\$ 1,267.97			\$ -			\$ 198.00		\$ 1,465.97

<b>Contractor - Total Direct Costs w/Markup &gt;</b>	<b>\$ 11,239.10</b>
Insurance Premium .5% - Changed Work >	\$ 56.20
Bond Premium .75% - Changed Work >	\$ 84.29
<b>TOTAL LUMP SUM COST &gt;</b>	<b>\$ 11,379.59</b>



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**Change Proposal Request Summary**  
 Project: City of Coeur d'Alene Tertiary Treatment Phase 2  
 Apollo Inc.

CPR No: \_\_\_\_\_ CPR No: 17 Rev3  
 Date: \_\_\_\_\_ Date: 05/01/19

Description	Labor	Mat	Equip.	Subcont. Total	Supp Total	Total
Survey	\$ 9,721.10	\$ -	\$ 1,604.25	\$ -	\$ -	\$ 11,325.35
<b>SUBTOTAL COST &gt;</b>						<b>\$ 11,325.35</b>
Insurance Premium .5% - Changed Work >						\$ 56.63
Bond Premium .75% - Changed Work >						\$ 84.94
<b>TOTAL LUMP SUM COST &gt;</b>						<b>\$ 11,466.92</b>

Change Proposal Request  
 Project: City of Coeur d'Alene Tertiary Treatment Phase 2  
 Apollo Inc.

CPR No: 17 Rev3  
 Item No: 1  
 Date: 5/1/19

*Item Description: Hourly Rate to As-Built and Field Verify Existing Fittings at the field directive of HDR*

Description	Qty	U of M	Rate	Labor	Unit	Rate	Mat	Unit	Rate	Equip.	Subcont. Total	Total
<b>APOLLO - PROJECT SUPERVISION COSTS</b>												
Project Manager	32.00	HR	\$ 90.00	\$ 2,880.00								\$ 2,880.00
Project Superintendent	0.00	HR	\$ 80.00	\$ -								\$ -
Yard Piping / Site Earthwork Super	0.00	HR	\$ 68.00	\$ -								\$ -
<b>APOLLO - CRAFT LABOR COSTS</b>												
<b>Surveyor</b>												
Surveyor	123.0	HR	\$ 45.31	\$ 5,573.13								\$ 5,573.13
<b>APOLLO - OTHER EQUIPMENT COSTS</b>												
Survey Equipment	93.0							HR	\$ 15.00	\$ 1,395.00		\$ 1,395.00
									\$ -			\$ -
Apollo - Subtotal Direct Costs >				\$ 8,453.13					\$ -	\$ 1,395.00		\$ 9,848.13
Markup on Self-Performed Labor, Mat'l's & Equipment >	15.0%			\$ 1,267.97					\$ -	\$ 209.25		\$ 1,477.22

<b>Contractor - Total Direct Costs w/Markup &gt;</b>	<b>\$ 11,325.35</b>
Insurance Premium .5% - Changed Work >	\$ 56.63
Bond Premium .75% - Changed Work >	\$ 84.94
<b>TOTAL LUMP SUM COST &gt;</b>	<b>\$ 11,466.92</b>

## City of CDA Tertiary Treatment Phase 2 Directed Survey Log

Date	Hours	Description	Office Hours
8/7/2017	2.00	Elevation Descrepancy between plan control and structures	
8/8/2017	8.00	Vertical Control Issues, Confirm PC#2 Wiers	
8/9/2017	4.00	Vertical Control level loops/ confirmin control and wiers	
8/16/2017	2.00	Vertical Levels to trickle filter and chlorine contact	
8/24/2017	1.00	Ties to 1W East Tie in Location	
8/25/2017	1.00	Ties to Existing features along 1W Route	
8/28/2017	3.00	Ties to 1W tie in location/ (1 hr field - 2 hr produce drawing)	2
8/30/2017	0.50	Produce Drawing For DEQ	0.5
8/31/2017	3.50	Produce Drawing 1W Re-Route	3.5
10/17/2017	1.00	Produce Drawing for HDR - TMF Pave	1
10/18/2017	2.00	Produce Drawing for HDR - TMF Pave	2
10/20/2017	2.00	Additional Mapping @ TMF Field work as Directed By Mike	
10/20/2017	2.00	Additional Mapping at TMF Office work- Produce Drawing and Email	2
3/21/2018	2.00	Asbuilt 6" PS From PC #3 to Primary Sludge	
4/2/2018	2.50	Asbuilt 24" PI @ Primary Sludge North	
4/5/2018	1.50	Asbuilt 24" PI @ 45° bend to NE	
4/13/2018	2.00	Asbuilt 24" PI @ 45° & 30" PI (#2) E. Blind Flange	
4/19/2018	1.50	Asbuilt 30" PI P.O.L. SC#3 to North	
4/25/2018	2.00	Asbuilt 30" PI (#1) 22.5° & 45° Bends to West	
5/1/2018	2.00	Asbuilt 30" PI (#1 & #2) 45° bend to West	
5/3/2018	1.50	Asbuilt 30" PI (#1) West 45° and End @ Blind Flange	
5/4/2018	2.00	Asbuilt 30" PI #2 Rolling offset 45° & End Blind Flange	
5/8/2018	2.00	Asbuilt 30" PE From PC#3 11.25° and 45° Bends to NW	
5/10/2018	4.00	<del>Layout Columns for PC #3 ( Directed Survey Per K.B.)</del>	
5/29/2018	6.00	Mapping - Map existing constructed by others features exposed during Apollo Excavations	
6/1/2018	2.50	Asbuilt Ties to 4" WSS and 10" RSS from PC #3 to SCB#2	
6/21/2018	10.00	Mapping - Map existing constructed by others features exposed during Apollo Excavations	
7/3/2018	3.50	Asbuilt 36" SI , 6" SCC	
7/9/2018	2.00	Asbuilt 6" SCC from SC#2	
7/9/2018	4.00	<del>Mapping Asbuilt PC#3 Bridge to Existing PC#1 Dwonwell structure for Bridge and column confirmation</del>	
7/18/2018	2.00	Asbuilt 4" SSC line from Scum Pumping to San MH#5	
7/30/2018	3.00	Mapping Ties to Exisitng features Constructed by others 6" HW/HWR , 36" SE from SC#1 to SC#2	
8/9/2018	3.00	Asbuilt New 30" Cross, 6" TD from PC#3, 2" Vault Drain,3" W3, 36" SE to SC#3	
8/14/2018	5.00	Asbuilt 6" SCC , 36" SE @ SC#3	
8/23/2018	5.00	Asbuilt 36" SE From New Eff Box, 8" ?, 6", TD 4" ?, (inside SC#3 Shoring)	
9/21/2018	2.00	Mapping Ties to Existing 6" and 10" Piping in conflict with New 36" SE line from Eff. Box to SC#3	
TBD	4.00	As Built 8" 1W	
TBD	24.00	Reduce Notes, Produce "As Constructed" Drawing Office work	24
<b>123.00</b>		<b>Total Hours</b>	<b>Office Hours</b>
<b>88.00</b>		<b>Field Hours</b>	<b>35</b>



September 13, 2017

Apollo, Inc.  
1133 West Columbia Drive  
Kennewick, WA 99336

Attn: Amy Jenne

Re: Coeur d'Alene Tertiary Treatment Phase 2 project  
CPR 017 – Survey Exposed Fittings and Valves  
Engineer's Decision

Amy,

We have reviewed your cost proposal for CPR 017 Survey Exposed Fittings and Valves. We have found your submitted cost proposal for an hourly labor and equipment rate of \$96.42 to be acceptable.

This Engineer's Decision will be included in the forthcoming final Change Order.

Sincerely,  
HDR Engineering, Inc.

A handwritten signature in blue ink, appearing to read 'Todd R. Jensen'.

Todd Jensen, PE, CCM  
*Construction Manager*

cc: Jim Remitz – City of Coeur d'Alene Wastewater Department  
Rickey Schultz – HDR  
Lizzy English – HDR  
Mike Soucie – HDR  
Mary Scalise – HDR



Change Proposal Request No: 017

(Not a Change Order)

**Project Name:**

CDA Tertiary Ph 2 Improvements

**Project Owner:**

City of Coeur d'Alene, Idaho

**HDR Project No:**

10053342

**Owner's Project No. (If applicable):**

**Contractor:**

Apollo, Inc

**Regulatory Agency Project No. (If applicable):**

**Initiated by:** Engineer

**Date:** 7/26/2017

**Attention:**

The following change in the contract on this project is proposed. Please provide your proposed price for the cost of this change.

- 1) A breakdown of cost SHALL be provided upon request by the Owner or Engineer.
- 2) Work shall not commence until authorized by the Owner.

**Description of Proposed Change:**

In addition to the contract required As-Built and Field Verification, the City and HDR has asked Apollo to survey any newly installed or exposed existing pipe fittings and valves. Apollo is to work under the direction of HDR, and to notify HDR before surveying or equipment setup begins. HDR will witness and approve each occurrence of this task and sign a weekly timesheet logging these hours.

The Contractor shall provide HDR the hourly labor and equipment rates that will be used to track this work over time, within 7 days following the issuance of the CPR or before any extra work associated with surveying of fittings and valves occurs. Additionally, the Contractor shall provide HDR with a blank copy of an Apollo extra-work- log, or equivalent, of which will be signed weekly by Apollo and HDR to substantiate any billing towards this CPR 017.

TODD JENSEN, PE, CCM

By \_\_\_\_\_

All work shall be in accordance with the terms, stipulations, and conditions of the original Contract Documents. If the work herein provided for is Approved by Change Order, the time of completion will be:

Increased     Decreased     Unchanged

by \_\_\_\_\_ calendar days.

This change will:  Add     Deduct     Not Change

**HDR Recommendation:**

Recommend Acceptance

Do Not Recommend Acceptance

By: HDR Engineering

Date \_\_\_\_\_

**Owner's Action:**

Accepted     Not Accepted

By: Owner

Date \_\_\_\_\_



**/// BUILDING PEOPLE WHO BUILD GREAT THINGS**

**Change Proposal Request Summary**

Project: City of Coeur d'Alene Tertiary Treatment Phase 2  
 Apollo Inc.

CPR No: 17 Rev1

Date: 09/13/17

Description	Labor	Mat	Equip.	Subcont. Total	Supp Total	Total
Item 1	\$ 77.98	\$ -	\$ 17.25	\$ -	\$ -	\$ 95.23
<b>SUBTOTAL COST &gt;</b>						<b>\$ 95.23</b>
Insurance Premium .5% - Changed Work >						\$ 0.48
Bond Premium .75% - Changed Work >						\$ 0.71
<b>TOTAL LUMP SUM COST &gt;</b>						<b>\$ 96.42</b>



**Change Proposal Request**  
**Project: City of Coeur d'Alene Tertiary Treatment Phase 2**  
**Apollo Inc.**

**CPR No:** 17 Rev1  
**Item No:** 1  
**Date:** 9/13/17

*Item Description: Hourly Rate to As-Built and Field Verify Existing Fittings at the field directive of HDR*

Description	Qty	U of M	Rate	Labor	Unit	Rate	Mat	Unit	Rate	Equip.	Subcont. Total	Total
<b>APOLLO - PROJECT SUPERVISION COSTS</b>												
Project Manager	0.25	HR	\$ 90.00	\$ 22.50								\$ 22.50
Project Superintendent	0.00	HR	\$ 80.00	\$ -								\$ -
Yard Piping / Site Earthwork Super	0.00	HR	\$ 68.00	\$ -								\$ -
<b>APOLLO - CRAFT LABOR COSTS</b>												
<b>Surveyor</b>												
Surveyor	1.0	HR	\$ 45.31	\$ 45.31								\$ 45.31
<b>APOLLO - OTHER EQUIPMENT COSTS</b>												
Survey Equipment	1.0							HR	\$ 15.00	\$ 15.00		\$ 15.00
							\$ -					\$ -
Apollo - Subtotal Direct Costs >				\$ 67.81			\$ -			\$ 15.00		\$ 82.81
Markup on Self-Performed Labor, Mat'ls & Equipment >	15.0%			\$ 10.17			\$ -			\$ 2.25		\$ 12.42

<b>Contractor - Total Direct Costs w/Markup &gt;</b>	<b>\$ 95.23</b>
Insurance Premium .5% - Changed Work >	\$ 0.48
Bond Premium .75% - Changed Work >	\$ 0.71
<b>TOTAL LUMP SUM COST &gt;</b>	<b>\$ 96.42</b>



**Force Account Labor Sheet**

Labor Classification	Base Wage	OT Wage	Fringe	Payroll Taxes (8.25%)	Payroll Taxes OT Rate (8.25%)	SUTA (2.93%)	SUTA OT (2.92%)	L&I 3.36%	Total Package Reg. Rate	Total Package OT Rate
Brent	\$ 35.58	\$ 53.37	\$ 3.75	\$ 2.94	\$ 4.40	\$ 2.04	\$ 3.05	\$1.01	\$ 45.31	\$ 65.59

Payroll Taxes = 8.25% of Wage

Payroll OT Taxes = 8.25% of OT Wage

Total Reg. Package = Wage + Fringe + Payroll Taxes + SUTA + L&I

Total OT Package = OT Wage + Fringe + OT Payroll Taxes + OT SUTA + L&I

Payroll Tax %	8.25%
SUTA	2.92%
L&I -	3.36%

Last Updated: 9/13/2017

CPR 018

REVISED MEMBRANE TANK COATING



September 18, 2017

1133 West Columbia Drive  
Kennewick, WA 99336

Attn: Amy Jenne

Re: Coeur d'Alene Tertiary Treatment Phase 2 project  
CPR 018 – Revised Membrane Tank Coatings  
Engineer's Decision

Amy,

We have reviewed your cost proposal for CPR 018 Revised Membrane Tank Coatings. We have found your submitted cost proposal to be acceptable.

A total cost of \$41,723.68 and a total of 0 calendar days will be included in the forthcoming final Change Order.

Sincerely,  
HDR Engineering, Inc.

A handwritten signature in blue ink, appearing to read 'Todd Jensen'.

Todd Jensen, PE, CCM  
*Construction Manager*

cc: Jim Remitz – City of Coeur d'Alene Wastewater Department  
Rickey Schultz – HDR  
Lizzy English – HDR  
Mike Soucie – HDR  
Mary Scalise – HDR



Change Proposal Request No: 018

(Not a Change Order)

**Project Name:**

CDA Tertiary Ph 2 Improvements

**Project Owner:**

City of Coeur d'Alene, Idaho

**HDR Project No:**

10053342

**Owner's Project No. (If applicable):**

**Contractor:**

Apollo, Inc

**Regulatory Agency Project No. (If applicable):**

**Initiated by:** Engineer

**Date:** 9/1/2017

**Attention:**

The following change in the contract on this project is proposed. Please provide your proposed price for the cost of this change.

- 1) A breakdown of cost SHALL be provided upon request by the Owner or Engineer.
- 2) Work shall not commence until authorized by the Owner.

**Description of Proposed Change:**

Section 09 96 00 -1.4.A.5 of the Contract Documents requires that the coating systems proposed for use are to be reviewed and approved by a Senior Corrosion Specification Specialist employed by the coatings manufacturer. Tnemec's specialist has reviewed the coating proposed for application to the interior of the membrane tanks at the Tertiary Membrane Filtration (TMF) Facility and has proposed an alternative coating. Please reference Tnemec's letter dated August 25, 2017 attached here. The alternative coating proposed by Tnemec's specialist, Series 436/435 coatings, were applied to the interior of Membrane Tanks 1 and 2 during the Phase 5C.1 project and has performed well since. The filler/surfacers, Tnemec Series 218 MortarClad, has already been applied to the interior of Membrane Tanks 3 – 6 at a thickness of 1/16 inch.

Tnemec's specialist has certified the use of the Series 436/435 for application in the membrane tanks. See letter dated August 30, 2017 attached here. This certification is based upon the environmental conditions described in the email thread also attached to this CPR.

Please provide a cost proposal for the following:

- 1. Provide a credit for the specified system for an Immersion – non-NSF environment, 16 to 20 mil of Tnemec Series 22.
- 2. Provide material and labor costs for applying the following coatings system to the entire interior concrete surface of Membrane Tanks 3 - 6:
  - a. Reinforced Epoxy: Series 436 Perma-Shield FR at 60-80 mils DFT
  - b. Topcoat: Series 435 Perma-Glaze at 15-20 mils DFT
- 3. Surface preparation and coatings application shall be per coatings manufacturer's recommendation and per Section 09 96 00 – 3.4 and 3.5.
- 4. Apply coatings two inches beyond horizontal edge of chamfer at top of each membrane tank, matching existing coatings application. Termination cut is not required.

TODD JENSEN, PE, CCM

By

All work shall be in accordance with the terms, stipulations, and conditions of the original Contract Documents. If the work herein provided for is Approved by Change Order, the time of completion will be:

Increased     Decreased     Unchanged

by \_\_\_\_\_ calendar days.

This change will:  Add     Deduct     Not Change

**HDR Recommendation:**

Recommend Acceptance  
 Do Not Recommend Acceptance

By: HDR Engineering

Date

**Owner's Action:**

Accepted     Not Accepted

---

By: Owner

---

Date

---

HDR Project Tracker Collaboration System

**From:** [Koch JR., John](#)  
**To:** [McConnell, Scott \(scott@tnwsolutions.com\)](#)  
**Cc:** [Jensen, Todd](#); [Schultz Jr., Rickey](#); [Amy Jenne](#)  
**Subject:** 2017 08 25 CdA Coating  
**Date:** Monday, August 28, 2017 11:40:30 AM  
**Attachments:** [image001.png](#)  
**Importance:** High

---

Scott, Pursuant to our telephone conversation this morning on the coating for the Secondary Containment and Membrane tanks, the following issues and points discussed:

1. Secondary Containment
  - a. Series 282 has been used since the early 90's.
  - b. The chemicals in the chemical bldg are not "hazardous" chemical.
  - c. Chemical containment coating is therefore a non-issue.
2. Membrane tanks.
  - a. Series 22 is chemically resistant to the CIP chemicals.
  - b. Per Tnemec factory, membrane manufacturers are demanding a liner to concrete membrane tanks"
    - i. Standard chemical resistant coatings are spalling off the interior of the tanks with concrete attached to the coating pieces.
    - ii. Membranes are then susceptible to damage by chips of coating.
    - iii. Membranes are then susceptible to damage by concrete particulate.
  - c. Coatings and concrete are spalling due to thermo shocks from normal filtering operation to the harsh environment of the backwash and CIP cleaning systems.
    - i. CdA chemically clean their membranes approximately every 6 months and the cleaning solution in the mid 90 DegF range composed of 500-1000 mg/l hypo solution
    - ii. They have the capability of also cleaning with mid 90 DegF 2-3 % citric acid solution which they have only done once in the last 2 years and that was at startup to demonstrate the CIP system functional.
    - iii. Backwashes are done with the treated water which varies in temperature from approximately 54 DegF to 72 DegF over the course of the year.
    - iv. Tnemec has had as some of the other coating manufacturers have had coating failures in membrane tanks which have resulted in substantial claims for Tnemec and they are reluctant to recommend a coating which does not have some type of fiberglass reinforcement.
  - d. Tnemec's recommendation at a minimum would be for Series 436 as was done on Phase 5C.1.
3. Scott wanted to know which way we were leaning and I stated, we are not going to pay \$25,000± per tank to go to the extreme fiberglass mat lay-up coating.
  - a. We would entertain the Series 436 but it would really depend on the cost \$Δ.
  - b. Scott stated he was going back to the contractor and see if they could work things through. Told Scott it would all depend on the cost adder if any as the system specified had the chemical resistance required and the spec for a smooth pin-hole coating would be maintained with any coating system we approved.
4. Scott stated he would get back with HDR by the end of the day, I'll keep everyone posted.

[John E. Koch](#), P.E., BCEE, CDT  
*Vice President*

HDR  
800 Shelter Bay Drive  
LaConner, WA 98257  
M 425-773-1384  
[John.Koch@hdrinc.com](mailto:John.Koch@hdrinc.com)





[hdrinc.com/follow-us](http://hdrinc.com/follow-us)



August 25, 2017

VIA ELECTRONIC MAIL

Mr. Scott McConnell  
TNW Inc.  
7929 Second Ave. South  
Seattle, WA 98108

Re: Certification of Approval for High Performance Coating Systems;  
Tertiary Treatment Phase 2 Improvements  
City of Cour d'Alene WWTP

Dear Scott:

I have reviewed the Project Specification 09 96 00 and proposed HPIC for the Secondary Containment and Treatment Membrane Filters. The submittal should be amended to comply with Tnemec's current recommendations for these exposures. The recommended systems for these areas are as follows based on chemical exposures:

**Secondary Containment:**

Filler/Surfacer: Series 218 MortarClad as necessary  
Primer: Series 237SC resin @ 4-12 mils  
Basecoat: Series 206SC mortar (or 237SC mortar) @ 60-80 mils DFT  
Fiberglass Reinforcement: Series 211-215 Fiberglass Mat  
Saturant Coat: Series 237SC resin @ 6-12 mils (40-50 SF/gal)  
Topcoat: Series 280 @ 10-12 mils

Filler/Surfacer: Series 218 MortarClad as necessary  
Primer: Series 251SC resin @ 6-8 mils  
Basecoat: Series 252SC mortar @ 60-80 mils DFT  
Fiberglass Reinforcement: Series 211-215 Fiberglass Mat  
Saturant Coat: Series 237SC resin @ 6-12 mils (40-50 SF/gal)  
Topcoat: Series 252SC @ 6-8 mils

Tnemec specifically developed ChemBloc, a line of mat reinforced secondary containment linings for reliable and safe containment of chemical spillage for up to 72 hours while protecting the concrete substrate. This system was listed in Section 09 96 00-2.2.E HPIC and 2.3 Coating Systems and requires selection based on chemical exposure. The submitted system cannot ensure complete and full secondary containment of chemicals per 40 CFR 264.193 should there be a breach in the primary containment tanks. I have attached a ChemBloc brochure for your reference.

**Treatment Membrane Filters:**

Filler/Surfacer: Series 218 MortarClad  
Primer: Series 140 Pota-Pox Plus @ 3-6 mils DFT  
Basecoat: Series 215ML @ 60-80 mils DFT  
Fiberglass Reinforcement: Series 211-215 Fiberglass Mat  
Saturant Coat: Series 22 @ 6-12 mils (40-50 SF/gal)  
Topcoat: Series 22 @ 23-30 mils

Tnemec developed the Series 215ML/22 Mat-Reinforced Lining System for ultrafiltration membrane and membrane bioreactor (MBR) tanks. The Series 218/22 unreinforced system will not provide long-term protection for these known exposure conditions. I have attached a 215ML/22 Mat-Reinforced Lining brochure for your reference.

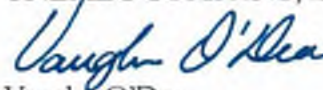
Alternately, a spray-applied, fiber-reinforced epoxy our Series 218/436/435 Perma-Shield FR system could be used for the TMF. It is our understanding that this system was installed during the Tertiary Treatment Membrane Filter Phase 1 and is performing satisfactorily since 2013. This system is as follows:

Filler/Surfacer: Series 218 MortarClad @ 1/16" to entire surface  
Reinforced Epoxy: Series 436 Perma-Shield FR @ 60-80 mils DFT  
Topcoat: Series 435 Perma-Glaze @ 15-20 mils DFT

Please feel free to contact me if you have any questions.

Sincerely,

TNEMEC COMPANY, INC.



Vaughn O'Dea

Director of Sales – Water & Wastewater Treatment



August 30, 2017

VIA ELECTRONIC MAIL

Mr. Scott McConnell  
TNW Inc.  
7929 Second Ave. South  
Seattle, WA 98108

Re: Certification of Approval for High Performance Coating Systems;  
TMF Lining and Chemical Sump Coating  
Tertiary Treatment Phase 2 Improvements  
City of Cour d'Alene WWTP

Dear Scott:

I have reviewed the Project Specification 09 96 00 and your project letter dated August 28, 2017 for the Immersion Non NSF TMF areas for the Tnemec Series 218/436/435 system, and certify this system as suitable for the intended TMF exposure.

Further, I have reviewed Shop Drawing Transmittal 09 96 00 – 1B and your submittal letter dated August 10, 2017 for the Chemical Sump Area and certify that the Series 282/282 system for horizontal and vertical applications are suitable to resist the chemical exposures in these areas.

Please feel free to contact me if you have any questions.

Sincerely,

TNEMEC COMPANY, INC.

Vaughn O'Dea

Director of Sales – Water & Wastewater Treatment

1. Please explain why 20 gallons of MEK for this application but not Series 22 system? **The pump needs to be cleaned more often, this only allows 5 gallons per basin should probably be 10-15 per basin. Series 22 would have taken 5 total gallons**
2. Explain the need for 250 gallons of fuel over Series 22 system and \$3.00 is high for the cost of fuel. **Compressor burns 50 gallons /day, I have an extra 8 days. I will also have 2 trucks on site which burn diesel. I changed the spread sheet to \$2.89 per gallon.**
3. Why is there not a labor credit provided for the Series 22 system? **Because what I added in was in addition to the labor for applying the series 22 not all labor. The labor for the 435 is the same as for the 22. I only added for application of 436**
4. Provide breakdown of labor rates as was done for Apollo and Mountain States. **Included**
5. Explain the process of applying the 435/436 coating system versus the Series 22 system to justify the labor hours presented. **Series 22 is a simple spray on application 20 mdft. 436 we will start out spraying and if it doesn't look right we will change to trowel. The 436 gets applied up to 4 times the amount as the 22, all of which is more labor and material, after the application of the 436 the surface needs to be sanded and the area cleaned then an application of 435 at the original thickness of the series 22, 20 mils dft**
6. Subsistence/Perdiem is listed at \$100 per person per day. Provide an understanding of why this is necessary transportation, travel and subsistence expenses incurred in discharge of duties connected with the work? Also, provide backup for the \$100 per person per day. **ECL is a WA contractor located 168 miles from the project site, I did not include travel which I could have, I did not include transportation, which I could have. Backup for sub is included.**
7. Provide backup for the equipment rates. **Since I did not charge you for equipment this is not necessary. If you would like to add equipment in I will be happy to supply the rates**
8. PPE is an overhead expense that is excluded per General Conditions Section 13.01 C. 5. **Please review 13.01.B.5.b materials that are consumed in the performance of the work**
9. Power tools and electrical cords are hand tools that are not consumed in the performance of the work. They can only be added if consumed in the performance of the work. **Consumed in the performance of the work**



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**Change Proposal Request Summary**  
 Project: City of Coeur d'Alene Tertiary Treatment Phase 2  
 Apollo Inc.

CPR No: \_\_\_\_\_ CPR No: 18 Rev2  
 Date: \_\_\_\_\_ Date: 09/18/17

Description	Labor	Mat	Equip.	Subcont. Total	Supp Total	Total
Item 1	\$ 596.99	\$ -	\$ -	\$ 40,611.59	\$ -	\$ 41,208.57

**SUBTOTAL COST > \$ 41,208.57**

Insurance Premium .5% - Changed Work > \$ 206.04

Bond Premium .75% - Changed Work > \$ 309.06

**TOTAL LUMP SUM COST > \$ 41,723.68**

**Change Proposal Request**  
**Project: City of Coeur d'Alene Tertiary Treatment Phase 2**  
**Apollo Inc.**

**CPR No:** 18 Rev2  
**Item No:** 1  
**Date:** 9/18/17

*Item Description: Revised Membrane Tank Coatings*

Description	Qty	U of M	Rate	Labor	Unit	Rate	Mat	Unit	Rate	Equip.	Subcont. Total	Total
<b>APOLLO - PROJECT SUPERVISION COSTS</b>												
Project Manager	4.0	HR	\$ 90.00	\$ 360.00								\$ 360.00
Project Superintendent	2.0	HR	\$ 79.56	\$ 159.12								\$ 159.12
Yard Piping / Site Earthwork Super		HR	\$ 68.08	\$ -								\$ -
							\$ -					\$ -
Apollo - Subtotal Direct Costs >				\$ 519.12			\$ -			\$ -		\$ 519.12
Markup on Self-Performed Labor, Mat'ls & Equipment >	15.0%			\$ 77.87			\$ -			\$ -		\$ 77.87
<b>SUBCONTRACTOR COSTS</b>												
Extreme Coatings	1										\$ 38,677.70	\$ 38,677.70
											\$ -	\$ -
											\$ -	\$ -
Subtotal Subcontractors Costs >											\$ 38,677.70	\$ 38,677.70
Markup on Subcontractor Costs >	5.0%										\$ 1,933.89	\$ 1,933.89

<b>Contractor - Total Direct Costs w/Markup &gt;</b>	<b>\$ 41,208.57</b>
Insurance Premium .5% - Changed Work >	\$ 206.04
Bond Premium .75% - Changed Work >	\$ 309.06
<b>TOTAL LUMP SUM COST &gt;</b>	<b>\$ 41,723.68</b>



## TMF Basins

Additional Material Costs	Material	Gallons	Cost
Series 436	\$82.60	170	\$14,042.00
Series 435	\$76.90	50	\$3,845.00
Credit Series 22	\$67.50	50	(\$3,375.00)
MEK	\$18.61	20	\$372.20
Fuel	\$2.89	250	\$722.50
PPE	\$4.00	31	\$124.00
			<b>Total</b>
			\$15,730.70

Additional Labor Costs, 4 man crew	Hours	Rate	Cost
Superintendent	66	73.81	\$4,871.46
Advanced Painter	66	43.66	\$2,881.56
Painters 2	128	40.94	\$5,240.32
Subsistence/Perdiem Per Man Day	22	100	\$2,200.00
			<b>Total</b>
			\$15,193.34

Equipment	Days	Qty	Rate	Cost	
Truck 3500 X 2 w/bed racks and tools	8	2	75	\$1,200.00	No Charge
Air compressor 400 cfm	8	1	200	\$1,600.00	No Charge
Airless equip 56:1	8	1	101	\$808.00	No Charge
				<b>Total</b>	<b>No Charge</b>
				\$3,608.00	

This does not include labor for Termination joint at top of wall in basins	4 basins	\$30,924.04
	OH 10%	\$3,092.40
	Profit 5%	\$1,700.82
	<b>Total</b>	<b>\$35,717.27</b>

## Termination Joints TMF

Labor Costs	Hours	Rate	Cost
Superintendent	2	73.81	\$147.62
Advanced Painter	2	43.66	\$87.32
Painters	30	40.94	\$1,228.20
Subsistence/Perdiem Per Man Day	4	100	\$400.00
			<b>Total</b>
			\$1,863.14

Equipment/Materials	Qty	Days	Rate	Cost	
Power tools	2		125	\$250.00	
Diamond Wheels	6		75	\$450.00	
Truck 3500 w/bed rack and tools	1	2	75	\$150.00	No Charge
Vacuum	2	2	35	\$140.00	No Charge
Electrical Cords	4	2	10	\$80.00	No Charge
				<b>Total</b>	
				\$700.00	

<b>Total</b>	\$2,563.14
OH 10%	\$256.31
Profit 5%	\$140.97
<b>Total</b>	<b>\$2,960.43</b>

HOURLY RATE	SOCIAL SECURITY 6.2%	MEDICARE 1.45%	L&I PAINTER	FUTA .60%	SUTA 3.21%	MEDICAL \$3.03	Vacation	TOTAL PER HOUR			
\$33.90	\$2.10	\$0.49	\$3.15	\$0.20	\$1.09			\$40.94			
\$32.50	\$2.02	\$0.47	\$3.15	\$0.20	\$1.04	\$3.03	\$1.25	\$43.66			
\$57.69	\$3.58	\$0.84	\$3.15	\$0.35	\$1.85	\$3.03	\$3.33	\$73.81			
\$120.00	\$7.44	\$1.74	\$3.15	\$0.72	\$3.85	\$3.03	\$3.33	\$143.26			

Medical

\$525/month x 12 months = \$6300

\$6300/2080 = \$3.03 per hour

Vacation: \$32.50

\$32.50 x 80 hrs = \$2600

\$2600/2080 = \$1.25 per hour

Vacation: \$57.69

\$57.69 x 120 hours = \$6923

\$6923/2080 = \$3.33 per hour

## FY 2017 Per Diem Rates for Idaho

(October 2016 - September 2017)

Cities not appearing below may be located within a county for which rates are listed.

To determine what county a city is located in, visit the National Association of Counties (NACo) website (a non-federal website).

## October 2016 - September 2017 You searched for: Idaho

Primary Population (L, T)	County (S, I)	2016		2017															
		Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct					
Standard Rate	Applies for all locations without specified rates	\$91	\$91	\$96	\$96	\$96	\$96	\$92	\$92	\$92	\$92	\$91	\$91	\$91	\$91	\$91	\$91	\$91	\$91
Boomer's Ferry / Sandpoint	Boomer / Boundary / Shoshone	\$91	\$91	\$99	\$99	\$99	\$99	\$91	\$91	\$91	\$91	\$92	\$116	\$116	\$116	\$116	\$116	\$116	\$94
Coeur d'Alene	Kootenai	\$91	\$91	\$96	\$96	\$96	\$96	\$91	\$91	\$91	\$91	\$129	\$129	\$129	\$91	\$99			
Sun Valley / Ketchikan	Blaine / Elmore	\$110	\$110	\$110	\$110	\$110	\$110	\$110	\$110	\$110	\$110	\$110	\$110	\$110	\$110	\$110	\$110	\$110	\$54

\$150 ~~xx~~

## Footnotes

1. Traveler reimbursement is based on the location of the work activities and not the accommodations, unless lodging is not available at the work activity, then the agency may authorize the rate where lodging is obtained.
2. Unless otherwise specified, the per diem locality is defined as "all locations within, or entirely surrounded by, the corporate limits of one key city, including independent entities located within those boundaries."
3. Per diem localities with county definitions shall include "all locations within, or entirely surrounded by, the corporate limits of the key city as well as the boundaries of the Standard counties, including independent entities located within the boundaries of the key city and the Standard counties (unless otherwise listed separately)."
4. When a military installation or Government related facility (whether or not specifically named) is located partially within more than one city or county boundary, the applicable per diem rate for the entire installation or facility is the higher of the rates which apply to the cities and/or counties, even though part of such activities may be located outside the defined per diem locality.
5. Month end incidental expenses, see Breakdown of MILIT Expenses for important information on first and last days of travel.



# SERIES 436 PERMA-SHIELD® FR

## SURFACE PREPARATION & APPLICATION GUIDE

### TNEMEC COMPANY INCORPORATED

6800 Corporate Drive, Kansas City, MO 64120  
1-800-TNEMEC1 [www.tnemec.com](http://www.tnemec.com)

Published technical data, instructions, and pricing are subject to change without notice. Contact your Tnemec technical representative for current technical data, instructions, and pricing. Warranty information: The service life of Tnemec's coatings will vary. For warranty, limitation of seller's liability, and product information, please refer to Tnemec's Product Data Sheets at [www.tnemec.com](http://www.tnemec.com) or contact your Tnemec Technical Representative. 07/13

## TABLE OF CONTENTS

1.0	Introduction.....	1
2.0	Product and Packaging.....	1
2.1	Series 436 Perma-Shield FR.....	1
2.2	Series 436 Packaging.....	1
2.3	Series 436 Coverage Rates.....	1
2.4	Storage & Material Temperature.....	1
3.0	Surface Preparation.....	1
3.1	Preparation of Embedded Misc. Metals.....	1
3.2	Preparation of Concrete.....	1
3.3	Reinforcing Steel Repair.....	1-2
3.4	Outgassing.....	2
3.5	Terminations.....	2
4.0	Resurfacing and Patching.....	2
5.0	Mixing.....	2
5.1	Surface Temperature.....	2
5.2	Pot Life and Spray Life.....	2
6.0	Curing Schedule.....	2
7.0	Application and Equipment.....	2
7.1	Pump Maintenance.....	2-3
8.0	Series 435 Perma-Glaze.....	3
9.0	High Voltage (Spark) Testing.....	3

## 1.0 INTRODUCTION

The purpose of this guide is to acquaint applicators with the basic information necessary for properly ordering, storing and installing Tnemec's Series 436 Perma-Shield FR epoxy wastewater system. Prior to starting work, please read this entire guide carefully. If you have questions, contact your Tnemec representative or call 1-800-TNEMEC1. It is important that you obtain answers to any questions before work begins.

Also, reference the project specifications and compare them with this guide and the product data sheet. Resolve any inconsistencies prior to starting work.

This application guide cannot cover every issue that may be encountered in the field. If issues arise that are not addressed in this guide or the product data sheet, please contact your Tnemec representative or call 1-800-TNEMEC1 for assistance.

## 2.0 PRODUCT AND PACKAGING

The following contains information on the core components of this product.

### 2.1 SERIES 436 PERMA-SHIELD FR

Series 436 Perma-Shield FR is a fiber-reinforced, modified polyamine epoxy. A thick film, 100% solids, spray-applied, abrasion-resistant coating designed for wastewater immersion and fume environments. It provides excellent resistance to H<sub>2</sub>S gas permeation, protects against MIC and provides chemical resistance to severe wastewater environments. Fiber-reinforcement provides superior physical strength and higher film build.

### 2.2 SERIES 436 PACKAGING

KIT SIZE	PART A (PARTIALLY FILLED)	PART B (PARTIALLY FILLED)	YIELD (MIXED)
Small Kit	1 gal. can	1 gal. can	1.0 gal. (3.78 L)
Medium Kit	6 gal. pail	3 gal. pail	5.0 gal. (18.9 L)



### 2.3 SERIES 436 COVERAGE RATES

	Dry Mils (Microns)	Wet Mils (Microns)	Sq. Ft./Gal. (m <sup>2</sup> /gal.)
Minimum	50.0 (1270)	50.0 (1270)	32 (3.0)
Maximum	125.0 (3175)	125.0 (3175)	13 (1.2)

**Note:** Recommended DFT will depend on substrate condition and system design. Refer to Recommended DFT section on page 1 of the product data sheet. Allow for overspray and surface irregularities. Film thickness is rounded to the nearest 0.5 mil or 5 microns and can be achieved in one or two coats. Application of coating below minimum or above maximum recommended dry film thickness may adversely affect coating performance.

### 2.4 SERIES 436 STORAGE AND MATERIAL TEMPERATURE

Minimum storage temperature is 40°F (4°C) and maximum is 110°F (43°C). For optimal handling and application characteristics, both material components should be stored or conditioned between 70°F (21°C) to 80°F (27°C) 48 hours prior to use.

Temperature will affect the workability. Cool temperatures increase viscosity and decrease workability. Warm temperatures will decrease viscosity and shorten pot life.

## 3.0 SURFACE PREPARATION

### 3.1 PREPARATION OF EMBEDDED MISCELLANEOUS METALS

When encountering miscellaneous metals embedded into concrete, the surface must be prepared in accordance with SSPC-SP5/NACE 1 White Metal Blast Cleaning with a 3.0 mil minimum angular anchor profile.

### 3.2 PREPARATION OF CONCRETE

Allow new cast-in-place concrete to cure a minimum of 28 days at 75°F (24°C). Verify concrete dryness and prepare concrete surfaces in accordance with NACE No. 6/SSPC-SP13 Joint Surface Preparation Standards and ICRI Technical Guidelines. Moisture vapor transmission should not exceed three lbs per 1,000 sq ft in a 24 hour period. (Reference ASTM F 1869 "Standard Test Method for Measuring Moisture Vapor Emission Rate of Concrete Subfloor Using Anhydrous Calcium Chloride.") Relative humidity should not exceed 80%. (Reference ASTM F 2170 "Standard Test Method for Determining Relative Humidity in Concrete using in situ Probes.") Abrasive blast, shot-blast or mechanically abrade concrete surfaces to remove laitance, curing compounds, hardeners, sealers and other contaminants and to provide a minimum ICRI-CSP 5 or greater surface profile. Large cracks, voids and other surface imperfections should be filled with a recommended filler or surfacer.

### 3.3 REINFORCING STEEL REPAIR

Where corrosion of the reinforcement steel (rebar) exists, continue concrete removal along the corroded steel and any adjacent areas which show evidence of corrosion-induced damage that would inhibit bonding of repair material. When the exposed reinforcing steel has loose rust, corrosion products, or is not well bonded to the surrounding concrete, removal should include undercutting the corroded reinforcing steel by approximately ¾ in (19 mm) in accordance with ICRI Guideline No. 310.1R. Every precaution should be made to avoid cutting underlying reinforcement. All

exposed reinforcement surfaces shall be thoroughly cleaned of all loose concrete, rust, and other contaminants. A protective coating such as Series 1 or N69 can be applied to the reinforcement after surface preparation. Avoid spillage or application onto the parent concrete. The area around the rebar may then be rebuilt using Series 218 MortarClad, or in more extreme cases, Series 217 MortarCrete.

### 3.4 OUTGASSING

Outgassing must always be considered a possibility with any concrete substrate. A number of means exist to either eliminate or reduce outgassing. First, application should be accomplished in indirect sunlight and during times when the surface temperature of the concrete is stable or in a descending pattern. In addition, use of primers and resurfacing agents can help reduce outgassing. Series 218 MortarClad was specifically designed, and is the preferred method, to minimize this problem. Outgassing may also be minimized when using Series 436 Perma-Shield FR direct to concrete by spray applying a “mist coat” and allowing the concrete to outgas for several minutes. This should be followed by another light tack coat.

### 3.5 TERMINATIONS

When the coating system is not scheduled to provide a monolithic surface, terminations must be built into the system. For example, when the system is scheduled to terminate, saw cuts must be installed. Apply Series 218 up to sawcuts, then install the Perma-Shield lining system into the saw cut. Please refer to the Perma-Shield Detail Guides which can be found online at [www.tnemec.com](http://www.tnemec.com).

## 4.0 RESURFACING/PATCHING

For information regarding the resurfacing or patching of deteriorated concrete surfaces please refer to the Series 215, 217, or 218 product data sheets or application guides.

## 5.0 MIXING

Mix the entire contents of Part A and Part B separately. Scrape all of the Part B into the Part A by using a flexible spatula. **Note:** The small kit will require the use of a separate container large enough to hold both components. Use a variable speed drill with a PS Jiffy blade and mix the blended components for a minimum of two minutes. During the mixing process, scrape the sides and bottom of the container to ensure all of Parts A and B are blended together. Apply the mixed material within pot life limits after agitation. Mixing ratio is one to one by volume. **Note:** A large volume of material will set up quickly if not applied or reduced in volume.

**Caution:** Do not reseal mixed material. An explosion hazard may be created. Do not attempt to split kits.

### 5.1 SURFACE TEMPERATURE - SERIES 436

Minimum of 50°F (10°C), optimum 65°F (18°C) to 80°F (27°C), maximum of 130°F (54°C). The substrate temperature should be at least 5°F (3°C) above dew point.

## 5.2 POT LIFE/SPRAY LIFE - SERIES 436

### POT LIFE - SERIES 436

15-20 minutes	80°F (27°C)
25-30 minutes	70°F (21°C)

Material, equipment and ambient temperatures above 80°F (27°C) will significantly reduce the spray and pot life.

### SPRAY LIFE - SERIES 436

5-10 minutes	80°F (27°C)
15-20 minutes	70°F (21°C)

## 6.0 CURING SCHEDULE

Temperature	75°F (24°C)	55°F (13°C)
To Touch	3 hours	7 hours
Dry Through	14 hours	30 hours
To Place in Service	2 days	3 days
Maximum Recoat	7 days	7 days

**Note:** If more than 7 days have elapsed between coats, the Series 436 coated surface must be mechanically abraded before topcoating. Curing time will vary with surface temperature, air movement, humidity and film thickness.

## 7.0 APPLICATION & EQUIPMENT

Application of Series 436 Perma-Shield FR is as follows:

### AIRLESS SPRAY

Pump Size	45:1, 56:1, X50 or X60
Gun	Graco XHF, XTR-7 or WIWA 500F
Tip Orifice	0.045" - 0.051" H.D. (1143 - 1295 microns)
Atomizing Pressure	4000 - 4500 psi (276 - 310 bar)
Mat'l Hose ID	Attach (1) 25' x 3/4" hose to the pump Attach (1) 25' x 1/2" hose to the 3/4" line
Whip Line ID	Attach (1) 6-10' x 3/8" hose to the 1/2" line & gun
Manifold Filter	N/R

**Note:** Graco H.D. RAC Housing/Guard assembly and H.D. tip sizes ranging from 0.045" to 0.051" should be used. Material needs to be gravity fed through an attached material hopper. Material will not feed through a suction tube. Contact Themec Technical Service for more information.

**Brush or Trowel:** Recommended for small areas only.

### 7.1 PUMP MAINTENANCE

After every 20 to 25 gallons or as needed, the pump should be flushed with MEK. This is accomplished in two stages. First, MEK (either new or filtered) is recirculated through the pump for five minutes through a filter bag. Then a second flush is done, again for five minutes, this time using only fresh MEK. (This MEK can be used for the first flush of the next flush cycle). This cycle is repeated every 20 to 25 gallons, or as needed. It should be noted that the amount of flushing needed is dependent on temperatures



and extended spray times.

After the end of a work shift, the pump is flushed as stated above. This time, after the second flush, the lower end of the pump is disassembled and thoroughly cleaned to remove all traces of coating material.

It should be noted that the amount of flushing needed is dependent on temperatures and extended spray times. Contact Tnemec Technical Services for detailed equipment recommendations.

## 8.0 SERIES 435 PERMA-GLAZE - (OPTIONAL TOPCOAT)

Series 435 Perma-Glaze is a 100% solids, modified polyamine epoxy designed for outstanding H<sub>2</sub>S permeation resistance and is used as a glaze coat to prolong the service life of the Perma-Shield FR System. It is applied with a 3/8" - 1/2" high quality, synthetic, woven nap roller to a finished thickness of approximately 15 to 20 mils DFT. Refer to the Tnemec Series 435 Surface Preparation and Application Guide and Product Data Sheet for further instructions.

## 9.0 HIGH VOLTAGE DISCONTINUITY (SPARK) TESTING

High voltage discontinuity (spark) testing is recommended to determine the presence and number of discontinuities in the nonconductive Series 436 Perma-Shield FR or Series 435 Perma-Glaze applied to a conductive surface.

All high voltage discontinuity (spark) testing shall be performed in accordance with NACE SP0188 and the procedures outlined herein.

Series 436 Perma-Shield FR and Series 435 Perma-Glaze (if applicable) shall be applied and allowed to cure within the parameters of the corresponding Product Data Sheets. Sufficient curing time of the coating system shall be allowed prior to conducting a holiday test, as indicated by the "To Place in Service" duration on the Product Data Sheets. Curing time will vary with surface temperature, air movement, humidity, and film thickness.

If the substrate is incompatible or if thickness constraints are not applicable for a non-destructive dry film thickness gauge, measurements of the coating system thickness are to be performed during application of each system component using a wet film gauge, feeler gauge, or other measurement device that can accurately measure the coating wet film thickness. These coating measurements are to be tabulated to determine the total system thickness.

All high voltage discontinuity (spark) testing shall be performed using a Tinker & Rasor model AP/W Holiday Detector. Refer to the following chart for appropriate voltage based on coating system thickness.

To perform holiday testing, attach a ground wire from the instrument ground output terminal to the conductive substrate and ensure proper electrical contact. Test conductivity by attaching the instrument ground wire to rebar or other metallic ground permanently installed in the concrete and touch the electrode to the bare concrete. If metallic ground is not visible, the ground wire can be placed directly against a bare concrete surface and weighted with a damp cloth and sand-filled bag. Make contact with the exploring electrode on the conductive substrate to verify

the instrument is properly grounded. If the test proves negative, determining discontinuities with a high voltage spark test will be ineffective. Under no circumstances shall the voltage be increased above the recommended voltage potential.

### RECOMMENDED VOLTAGES FOR HIGH VOLTAGE SPARK TESTING WITH TINKER & RASOR MODEL AP/W

Total Dry Film Thickness (mils)	Voltages (V)
20-24	2,500
25-29	3,000
30-39	3,500
40-47	5,000
48-59	6,000
60-69	7,500
70-79	8,500
80-99	10,000
100-124	12,500
125-134	15,000
135-159	16,000
160-174	17,500
175-214	20,000
215-269	27,000
270-299	31,000
300-350	35,000

Holiday testing of repaired areas shall be performed using same testing procedures as outlined above. If utilizing alternative high voltage DC holiday detectors, never exceed the recommended 100-125 volts DC per mil or contact Tnemec Technical Services for recommended voltage settings. Excessive voltage may produce a holiday in the coating film.



CPR 019

SEPS MAIN DISCONNECT RELOCATION



November 1, 2017

1133 West Columbia Drive  
Kennewick, WA 99336

Attn: Amy Jenne

Re: Coeur d'Alene Tertiary Treatment Phase 2 project  
CPR 019 – SEPS Main Disconnect Relocation  
Engineer's Decision

Amy,

We have reviewed your cost proposal for CPR 019 SEPS Main Disconnect Relocation. We have found your submitted cost proposal to be acceptable.

A total cost of \$3,650.31 and a total of 0 calendar days will be included in the forthcoming final Change Order.

Sincerely,  
HDR Engineering, Inc.

A handwritten signature in blue ink, appearing to read 'Todd Jensen'.

Todd Jensen, PE, CCM  
*Construction Manager*

cc: Jim Remitz – City of Coeur d'Alene Wastewater Department  
Rickey Schultz – HDR  
Lizzy English – HDR  
Mike Soucie – HDR  
Mary Scalise – HDR



Change Proposal Request No: 019

(Not a Change Order)

**Project Name:**  
CDA Tertiary Ph 2 Improvements

**Project Owner:**  
City of Coeur d'Alene, Idaho

**HDR Project No:**  
10053342

**Owner's Project No. (If applicable):**

**Contractor:**  
Apollo, Inc

**Regulatory Agency Project No. (If applicable):**

**Initiated by:** Contractor

**Date:** 9/20/2017

**Attention:**

The following change in the contract on this project is proposed. Please provide your proposed price for the cost of this change.

- 1) A breakdown of cost SHALL be provided upon request by the Owner or Engineer.
- 2) Work shall not commence until authorized by the Owner.

**Description of Proposed Change:**

Provide a cost proposal for the proposed modifications as stated in RFI 034 and Engineer's response to RFI 034.

Install new disconnects on the back of the existing backboard, including the reroute of existing conduit and cable. Use Uni-strut to install the three (3) main disconnects (above) and one (1) 12"x12"x48" gutter (below). Provide raceway between gutter and disconnects. Use LB style condulets to connect existing underground raceway(s) into the back of the gutter. Currently there is (1) 1-1/2" conduit for the control wiring and (1) 2" conduit for the power in each disconnect.

Itemized costs should include: addition of one (1) wireway, Uni-Strut, and associated LBs and appurtenances necessary for a complete installation.

Coordinate locations with Engineer during installation for final approval. Clearances and conduit bending radii for wireway shall meet National Electric Code.

TODD JENSEN, PE, CCM

By \_\_\_\_\_

All work shall be in accordance with the terms, stipulations, and conditions of the original Contract Documents. If the work herein provided for is Approved by Change Order, the time of completion will be:

Increased     Decreased     Unchanged

by \_\_\_\_\_ calendar days.

This change will:  Add     Deduct     Not Change

**HDR Recommendation:**

Recommend Acceptance

Do Not Recommend Acceptance

By: HDR Engineering

Date \_\_\_\_\_

**Owner's Action:**

Accepted     Not Accepted

By: Owner

Date \_\_\_\_\_

# Request For Information

**Project:** Coeur d'Alene Tertiary Treatment Phase 2 Services During Construction

**Project Number:** 10053342

**Owner:** City of Coeur d'Alene

**RFI Number:** 34

**Regarding:** New Disconnects at Effluent Pump Station

**Document  
Researched:**

**Request:** Attached are photos of the front and back of the Secondary Pump Station backboard and existing 60 AMP disconnect switches. The new 200 AMP disconnects are 21"x39". There is not enough room on the front of the existing backboard for the new disconnects. Therefore, I we would like to propose installing the new disconnects on the back of the existing backboard. This would require a reroute of existing conduit and cable. Using strut to install the 3 disconnects and a 12"x12"x48" gutter (not enough space for offset of existing conduits to backside and not knowing how many bends in underground raceway). Provide raceway between gutter and disconnects. Use LB condulets to connect existing underground raceway into back of gutter. Currently there is (1) 1-1/2" conduit for the supply and (1) 2" conduit for the load in each disconnect.

**Response Priority:** Normal

**Reason For Request:** Clarification

**Contractor:** Apollo, Inc

**Submitted By:** Amy Jenne

**Date:** 9/1/2017

**Response:** See attached response from Spencer Goodall.

**Response Action:** The above is considered a change. The following document will be used for processing: CPR  
Above is consistent with the intent and reasonably inferable from Contract Documents.

Request is related to one of following and may be returned without response:

- |   |   |
|---|---|
| <input type="checkbox"/> Incomplete or lack of detailed information | <input type="checkbox"/> Related to "means and methods" |
| <input type="checkbox"/> Lack of adequate coordination drawings     | <input type="checkbox"/> Is a "Substitution Request"    |
| <input type="checkbox"/> Response required by others                |   |

**Responded By:** Spencer Goodall

**Response Date:** 9/5/2017

# Request For Information

**Project:** Coeur d'Alene Tertiary Treatment Phase 2 Services During Construction

**Project Number:** 10053342

**Owner:** City of Coeur d'Alene

**RFI Number:** 34

**Regarding:** New Disconnects at Effluent Pump Station

**Document  
Researched:**

**Request:** Attached are photos of the front and back of the Secondary Pump Station backboard and existing 60 AMP disconnect switches. The new 200 AMP disconnects are 21"x39". There is not enough room on the front of the existing backboard for the new disconnects. Therefore, I we would like to propose installing the new disconnects on the back of the existing backboard. This would require a reroute of existing conduit and cable. Using strut to install the 3 disconnects and a 12"x12"x48" gutter (not enough space for offset of existing conduits to backside and not knowing how many bends in underground raceway). Provide raceway between gutter and disconnects. Use LB condulets to connect existing underground raceway into back of gutter. Currently there is (1) 1-1/2" conduit for the supply and (1) 2" conduit for the load in each disconnect.

**Response Priority:** Normal

**Reason For Request:** Clarification

**Contractor:** Apollo, Inc

**Submitted By:** Amy Jenne

**Date:** 9/1/2017

**Response:** See responses below and on the accompanying photos.

**Response Action:** The above is considered a change. The following document will be used for processing:  
Above is consistent with the intent and reasonably inferable from Contract Documents.

Request is related to one of following and may be returned without response:

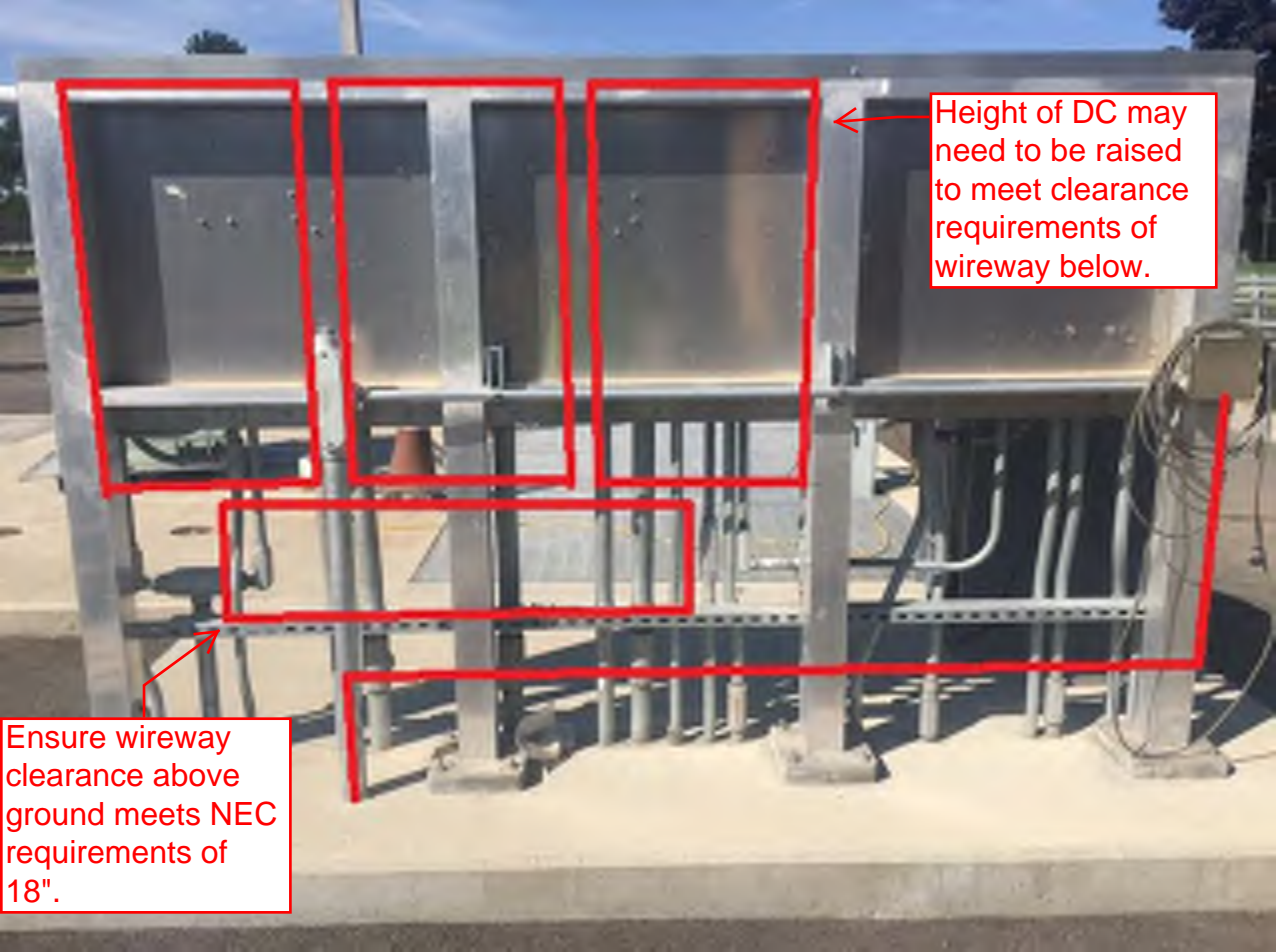
- |   |   |
|---|---|
| <input type="checkbox"/> Incomplete or lack of detailed information | <input type="checkbox"/> Related to "means and methods" |
| <input type="checkbox"/> Lack of adequate coordination drawings     | <input type="checkbox"/> Is a "Substitution Request"    |
| <input type="checkbox"/> Response required by others                |   |

**Responded By:** Spencer Goodall

**Response Date:** 2017.09.05

The proposed modifications are suitable for the installation. Provide change proposal estimate of cost required for the addition of one (1) wireway, Uni-Strut, and associated LBs and appurtenances necessary for a complete installation. Coordinate locations with Engineer during installation for final approval. Clearances and conduit bending radii for wireway shall meet NEC.





Height of DC may need to be raised to meet clearance requirements of wireway below.

Ensure wireway clearance above ground meets NEC requirements of 18".



# Request For Information

**Project:** Coeur d'Alene Tertiary Treatment Phase 2 Services During Construction

**Project Number:** 10053342

**Owner:** City of Coeur d'Alene

**RFI Number:** 34

**Regarding:** New Disconnects at Effluent Pump Station

**Document  
Researched:**

**Request:** Attached are photos of the front and back of the Secondary Pump Station backboard and existing 60 AMP disconnect switches. The new 200 AMP disconnects are 21"x39". There is not enough room on the front of the existing backboard for the new disconnects. Therefore, I we would like to propose installing the new disconnects on the back of the existing backboard. This would require a reroute of existing conduit and cable. Using strut to install the 3 disconnects and a 12"x12"x48" gutter (not enough space for offset of existing conduits to backside and not knowing how many bends in underground raceway). Provide raceway between gutter and disconnects. Use LB condulets to connect existing underground raceway into back of gutter. Currently there is (1) 1-1/2" conduit for the supply and (1) 2" conduit for the load in each disconnect.

**Response Priority:** Normal

**Reason For Request:** Clarification

**Contractor:** Apollo, Inc

**Submitted By:** Amy Jenne

**Date:** 9/1/2017

**Response:**

**Response Action:** The above is considered a change. The following document will be used for processing:  
Above is consistent with the intent and reasonably inferable from Contract Documents.

Request is related to one of following and may be returned without response:

- |   |   |
|---|---|
| <input type="checkbox"/> Incomplete or lack of detailed information | <input type="checkbox"/> Related to "means and methods" |
| <input type="checkbox"/> Lack of adequate coordination drawings     | <input type="checkbox"/> Is a "Substitution Request"    |
| <input type="checkbox"/> Response required by others                |   |

**Responded By:** \_\_\_\_\_

**Response Date:** \_\_\_\_\_







**/// BUILDING PEOPLE WHO BUILD GREAT THINGS**

**Change Proposal Request Summary**

Project: City of Coeur d'Alene Tertiary Treatment Phase 2  
 Apollo Inc.

CPR No: 19

Date: 10/26/17

Description	Labor	Mat	Equip.	Subcont. Total	Supp Total	Total
Item 1	\$ 389.99	\$ -	\$ -	\$ 3,215.26	\$ -	\$ 3,605.25

**SUBTOTAL COST > \$ 3,605.25**

Insurance Premium .5% - Changed Work > \$ 18.03

Bond Premium .75% - Changed Work > \$ 27.04

**TOTAL LUMP SUM COST > \$ 3,650.31**

**Change Proposal Request**  
**Project: City of Coeur d'Alene Tertiary Treatment Phase 2**  
**Apollo Inc.**

**CPR No:** 19  
**Item No:** 1  
**Date:** 10/26/17

*Item Description: SEPS Main Disconnect Relocation*

Description	Qty	U of M	Rate	Labor	Unit	Rate	Mat	Unit	Rate	Equip.	Subcont. Total	Total
<b>APOLLO - PROJECT SUPERVISION COSTS</b>												
Project Manager	2.0	HR	\$ 90.00	\$ 180.00								\$ 180.00
Project Superintendent	2.0	HR	\$ 79.56	\$ 159.12								\$ 159.12
Yard Piping / Site Earthwork Super	0.0	HR	\$ 68.08	\$ -								\$ -
Apollo - Subtotal Direct Costs >				\$ 339.12			\$ -			\$ -		\$ 339.12
Markup on Self-Performed Labor, Mat'l's & Equipment >	15.0%			\$ 50.87			\$ -			\$ -		\$ 50.87
<b>SUBCONTRACTOR COSTS</b>												
Mountain States Electric	1										\$ 3,062.15	\$ 3,062.15
											\$ -	\$ -
											\$ -	\$ -
Subtotal Subcontractors Costs >											\$ 3,062.15	\$ 3,062.15
Markup on Subcontractor Costs >	5.0%										\$ 153.11	\$ 153.11
<b>SUPPLEMENTAL COSTS</b>												
Special Consultants											\$ -	\$ -
Subsistence for Project Supervision					HR	\$ 11.25	\$ -					\$ -
Temporary Facilities at the Site					LS		\$ -					\$ -
Small Tools	0.0				LS	\$ -	\$ -					\$ -
Subtotal Supplementary Costs >							\$ -				\$ -	\$ -
Markup on Supplementary Costs >	0.0											\$ -

<b>Contractor - Total Direct Costs w/Markup &gt;</b>	<b>\$ 3,605.25</b>
Insurance Premium .5% - Changed Work >	\$ 18.03
Bond Premium .75% - Changed Work >	\$ 27.04
<b>TOTAL LUMP SUM COST &gt;</b>	<b>\$ 3,650.31</b>



**Change Order Proposal**

Change Request No: 5

To: APOLLO

Date Of Proposal: 10/26/2017

Job #: 17-010

Regarding: CPR 19

Job Name: CDA TERTIARY TREATMENT PHASE 2

Attention: AMY JENNY / KEVIN BURKE

Work To Be Done: AS REQUESTED - PROVIDE COST IMPACT TO ISNTALL DISCONNECTS ON BACK SIDE OF EXISTING MOUNTING PLATE  
NEW DISCONNECTS ARE PHYSICALLY TOO LARGE TO FIT IN AREA AS DRAWN.

Labor Hours: FOREMAN  
JOURNEYMAN  
PROJECT MANAGER

Hrs:	Rate:		
2	\$ 61.72	\$	123.44
24.76	\$ 57.82	\$	1,431.62
1	\$ 85.00	\$	85.00
<b>Total Labor Dollars:</b>		<b>\$</b>	<b>1,640.06</b>

Tools & Equipment Rentals:

Material -

	\$	-
CONDUIT AND FITTINGS	\$	1,022.68
<b>SUB TOTAL</b>	<b>\$</b>	<b>1,022.68</b>

SUB CONTRACTORS

SUB CONTRACTOR TOTAL: \$ -

This change requires a time extension of: **0 (ZERO)**

days. Pricing void/subject to revision after

\$ 2,662.74

The costs represented in this Change Proposal

include only those costs which can be identified

at this time. No impact or delay costs are included.

Should it be determined that the project is impacted

at a later date by multiple changes, delays, or other

causes beyond our control, we will submit these

at that time.

LABOR MARK UP 15.00% \$ 246.01

MATERIAL / EQUIPMENT MARK UP 15.00% \$ 153.40

SUB CONTRACTOR 15.00% \$ -

**Subtotal:** \$ 399.41

**Total Proposed Change Order price:** \$ 3,062.15

Submitted By: DAVE PERRINS

Date: 10/26/2017

Approved By: \_\_\_\_\_

Date: \_\_\_\_\_

Title \_\_\_\_\_

**Mountain States Electric**

**\*\* BID TAKE-OFF DETAILS 2 \***

Job: CDA TERTIARY PHASE 2

Job Number: 66

Bid Date: 12/20/2016

Page: 1 of 1

Date: 10/26/2017 11:57:30 AM

Assm. No.	Lab Lvl	Description	Qty	Mat Unit	Mat Ext	Lab Unit	Lab MH Ext
CPR 19		<No Name>		PERRINS	<No Name>		<No Name>
			*** Breakout Multipliers: Count = 1		Material Cost = 1.0	Labor Hours = 1.0	
00500		Miscellaneous Items		0.00			
4		TYPE 1M BODY THRD DIN LB200-M	6.00	67.931	405.19	1.950	4.30
			>>> Mult: Lab = 1 <<<****>>> Mult: Mat = 1.666 <<<				
4		TYPE 1M BODY THRD 1-1/2 LB150-M	6.00	26.991	161.94	0.477	1.03
			>>> Mult: Lab = 1 <<<****>>> Mult: Mat = 1.65 <<<				
4		ROPER WAF SPRK DIN BK700-B	6.00	19.808	118.85	0.205	1.07
			>>> Mult: Lab = 1 <<<****>>> Mult: Mat = 3.245 <<<				
4		NO CRK 1-1/4 3 1-TGRTPR-150N	6.00	5.444	30.80	0.036	1.07
4		RIM BLANK STEEL COVER K200	6.00	13.632	80.89	0.094	1.56
			>>> Mult: Lab = 1 <<<****>>> Mult: Mat = 1.766 <<<				
4		1-1/2" GRC RIGID CONDUIT	10.00	0.678	6.78	0.167	1.07
			>>> Mult: Lab = 1 <<<****>>> Mult: Mat = 1.824 <<<				
4		2" GRC RIGID CONDUIT	10.00	7.024	70.23	0.185	1.05
			>>> Mult: Lab = 1 <<<****>>> Mult: Mat = 1.663 <<<				
4		1-1/2" BLK STEEL CVR K150	6.00	4.417	26.50	0.041	1.04
			>>> Mult: Lab = 1 <<<****>>> Mult: Mat = 1.902 <<<				
<b>Assembly: 00500 Total</b>					<b>1,022.68</b>		<b>18.81</b>
<b>Unit Material, Labor and Sell</b>					<b>1,022.68</b>		<b>18.81</b>
75910		CUT, REAM, THREAD 1-1/2" RIG	6.00				
4		1-1/2" CUT/THREAD/REAM GRC	6.00			0.477	1.59
<b>Assembly: 75910 Total</b>					<b>0.00</b>		<b>2.59</b>
<b>Unit Material, Labor and Sell</b>					<b>0.00</b>		<b>0.43</b>
75912		CUT, REAM, THREAD 2" RIGID	6.00				
4		2" CUT/THREAD/REAM GRC	6.00			0.560	3.36
<b>Assembly: 75912 Total</b>					<b>0.00</b>		<b>3.36</b>
<b>Unit Material, Labor and Sell</b>					<b>0.00</b>		<b>0.56</b>
<b>Breakout Total</b>					<b>1,022.68</b>		<b>24.76</b>
<b>Bid Take-Off Details Total</b>					<b>\$1,022.68</b>		<b>24.76</b>



CPR 020

TMF SEC CONTAINMENT COATING



August 21, 2018

Apollo, Inc.  
1133 West Columbia Drive  
Kennewick, WA 99336

Attn: Amy Jenne

Re: Coeur d'Alene Tertiary Treatment Phase 2 project  
CPR 020 – Coatings at TMF Chemical Sumps  
Engineer's Decision

Amy,

We have reviewed your cost proposal for CPR 020 – Coatings at TMF Chemical Sumps. We have found your submitted cost proposal to be acceptable.

A total cost of \$17,612.03 and a total of 0 calendar days will be included in the forthcoming final Change Order.

Sincerely,  
HDR Engineering, Inc.

A handwritten signature in blue ink, appearing to read 'Todd Jensen'.

Todd Jensen, PE, CCM  
*Construction Manager*

cc: Jim Remitz – City of Coeur d'Alene Wastewater Department  
Rickey Schultz – HDR  
Mike Soucie – HDR  
Mary Scalise – HDR



Change Proposal Request No: 020

(Not a Change Order)

**Project Name:**

CDA Tertiary Ph 2 Improvements

**Project Owner:**

City of Coeur d'Alene, Idaho

**HDR Project No:**

10053342

**Owner's Project No. (If applicable):**

**Contractor:**

Apollo, Inc

**Regulatory Agency Project No. (If applicable):**

**Initiated by:** Engineer

**Date:** 10/03/2017

**Attention:**

The following change in the contract on this project is proposed. Please provide your proposed price for the cost of this change.

- 1) A breakdown of cost SHALL be provided upon request by the Owner or Engineer.
- 2) Work shall not commence until authorized by the Owner.

**Description of Proposed Change:**

The Tertiary Membrane Filtration building has two sumps that are designed for secondary containment of 12.5% solution sodium hypochlorite (NaClO) and 50% solution citric acid (C<sub>6</sub>H<sub>8</sub>O<sub>7</sub>) with a pH of 2. The chemicals leak into the sumps over time due to handling of the chemical tanks through a valve connected to the chemical lines.

- Power wash to clean off any chalk, debris, and existing chemicals. Scarify interior of the Sodium Hypochlorite and the Citric Acid Secondary Containment sumps. Degloss any existing epoxy or shiny coated surface with a scotch brown pad or mechanical process approved by certified NACE inspector and to the extent specified for surface preparation as stated on the coating and caulking data sheets.
- Locate any cracks in the concrete allowing chemicals to leak outside of the designated secondary containment areas. Inject cracks with chemical resistant product, Spetec PU F400 Aqua-reactive Polyurethane as approved in submittal, to heal the crack and disallow further leaking.
- Apply the following coating system within both of the 6 feet x 9 feet x 14 inch deep secondary containment sumps.

<u>Environment</u>	<u>Finish Coat</u>
Secondary Containment (Horizontal Surface)	10.0 to 12.0 mil Series 282 Tneme-Glaze
Secondary Containment (Vertical Surface)	8.0 to 10.0 mil Series 282 Tneme-Glaze

- Scarify interior corners of both Secondary Containment sumps to the extent specified for surface preparation as stated on the caulking data sheets. Apply Chemical Resistant Polysulfide caulking, certified by Tnemec, along all interior corners of sump. Caulking product data sheet must testify that product can withstand continual exposure to Sodium Hypochlorite and Citric Acid, as well as maintain flexibility to ensure a seal while building settles over time. Caulking product must be certified by Tnemec as compatible with Series 282 Tneme-Glaze.

TODD JENSEN, PE, CCM

By

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All work shall be in accordance with the terms, stipulations, and conditions of the original Contract Documents. If the work herein provided for is Approved by Change Order, the time of completion will be:

Increased     Decreased     Unchanged

by \_\_\_\_\_ calendar days.

This change will:  Add     Deduct     Not Change

**HDR Recommendation:**

Recommend Acceptance

Do Not Recommend Acceptance

---

By: HDR Engineering

---

Date

**Owner's Action:**

---

By: Owner

---

Date



# TNEME-GLAZE SERIES 282

## PRODUCT PROFILE

<b>GENERIC DESCRIPTION</b>	Polyamine Novolac Epoxy
<b>COMMON USAGE</b>	A highly chemical- and solvent-resistant colored novolac glaze coating for walls, floors and other surfaces. Provides improved aesthetics and additional protection against abrasion, impact, and most acids, alkalis and solvents.
<b>COLORS</b>	Available in six standard StrataShield colors: 33GR Gray ANSI No. 61, 46GR Sinker, 42BL Blue Channel, 91GN Balsam, 35GR Black, 28RD Monterrey Tile. Special colors available, please contact your Tnemec representative. Note: Epoxies chalk and yellow with age, extended exposure to UV and artificial lighting. Caution should be taken when selecting white and light pastel colors. Lack of ventilation, incomplete mixing, miscatalyzation or the use of heaters that emit carbon dioxide and carbon monoxide during application and initial stages of curing may cause amine blush, possibly affecting adhesion of subsequent topcoats. Novolacs will stain with extended exposure to certain acids. As a result, darker colors are recommended.
<b>FINISH</b>	Gloss. (Roller application provides an orange peel finish.)

## COATING SYSTEM

<b>SURFACER/FILLER/PATCHER</b>	Series 130, 215, 218, 1254. Note: A repair kit of 201, with Part C fumed silica, is available for small patching/surfacing repairs. For more extensive repairs and additional information, contact your Tnemec representative or Tnemec Technical Services.
<b>PRIMERS</b>	Concrete: Self-priming or Series 27WB, 201, 205, 208, 237, 238, 239, 241. CMU: Self-priming over filled CMU Wall board, Wood & Drywall: Self-priming or Series 201
<b>INTERMEDIATE</b>	Series 210, 237, 237SC, 238, 239, 239SC, 270, 273, 282
<b>TOPCOATS</b>	Series 282

## SURFACE PREPARATION

	Prepare surfaces by method suitable for exposure and service. Refer to the appropriate primer data sheet for specific recommendations.
<b>HORIZONTAL CONCRETE</b>	Allow new poured-in-place concrete to cure a minimum of 28 days at 75°F (24°C). Verify concrete dryness in accordance with ASTM F 1869 "Standard Test Method for Measuring Moisture Vapor Emission Rate of Concrete Subfloor Using Anhydrous Calcium Chloride" (moisture vapor transmission should not exceed three pounds per 1,000 square feet in a 24 hour period), F 2170 "Standard Test Method for Determining Relative Humidity in Concrete using in situ Probes" (relative humidity should not exceed 80%), or D 4263 "Standard Test Method for Indicating Moisture in Concrete by the Plastic Sheet Method" (no moisture present). Note: The testing listed above cannot guarantee avoidance of future moisture related problems particularly with existing concrete slabs. This is especially true if the use of an under slab moisture vapor barrier cannot be confirmed or concrete contamination from oils, chemical spills, unreacted silicates, chlorides or Alkali Silica Reaction (ASR) is suspected.  Prepare concrete surfaces in accordance with NACE No. 6/SSPC-SP13 Joint Surface Preparation Standards and ICRI Technical Guidelines. Abrasive blast, shot-blast, water jet or mechanically abrade concrete surfaces to remove laitance, curing compounds, hardeners, sealers and other contaminants and to provide a minimum ICRI-CSP 3 or greater surface profile. Large cracks, voids and other surface imperfections should be filled with a recommended filler or surfacer. Note: For moisture content exceeding 3 lbs per 1,000 sq ft or relative humidity in excess of 80%, Series 208 or 241 may be substituted for the primer. Refer to the Series 208 or 241 product data sheet for more information.
<b>VERTICAL CONCRETE</b>	When self-priming: Allow new concrete to cure 28 days. Abrasive blast or mechanically abrade concrete to remove laitance, form release agents, curing compounds, hardeners, sealers and other contaminants and to provide surface profile. (Reference SSPC-SP13)
<b>CMU</b>	When self-priming: Allow new mortar to cure 28 days. Surfaces must be clean, dry, sound and free of all contaminants. Level all protrusions and mortar spatter. For pinhole free surface, use recommended surfacer/filler/patcher.
<b>WALL BOARD, WOOD &amp; DRYWALL</b>	Must be clean, dry and free of oil, grease and other contaminants. Note: When using moisture resistant and/or high impact wall board or cement board in wet environments, utilize Series 215 and fiberglass tape or compound suitable for wet environments.
<b>ALL SURFACES</b>	Must be clean, dry and free of oil, grease and other contaminants.

## TECHNICAL DATA

<b>VOLUME SOLIDS</b>	100% (mixed) †								
<b>RECOMMENDED DFT</b>	Horizontal: 6.0 to 12.0 mils (150 to 305 microns) per coat. Vertical: 4.0 to 8.0 mils (100 to 205 microns) per coat. Additional coats may be required for appearance or hiding.								
<b>CURING TIME</b>	<table border="1"> <thead> <tr> <th>Temperature</th> <th>To Topcoat</th> <th>To Place in Service •</th> <th>Full Cure</th> </tr> </thead> <tbody> <tr> <td>75°F (24°C)</td> <td>8-24 hours</td> <td>24 hours</td> <td>5 days</td> </tr> </tbody> </table> <p>If more than 24 hours have elapsed between coats, the Tnemec-Glaze coated surface must be mechanically abraded before topcoating. • Note: 24 hour cure provides for traffic, secondary containment and certain mild chemical exposures. Up to five days cure is required for certain severe chemical exposures. Contact your Tnemec representative or Tnemec Technical Services.</p>	Temperature	To Topcoat	To Place in Service •	Full Cure	75°F (24°C)	8-24 hours	24 hours	5 days
Temperature	To Topcoat	To Place in Service •	Full Cure						
75°F (24°C)	8-24 hours	24 hours	5 days						
<b>VOLATILE ORGANIC COMPOUNDS</b>	Unthinned: 0.19 lbs/gallon (23 grams/litre) Thinned 5% (No. 2 Thinner): 0.52 lbs/gallon (63 grams/litre) Thinned 5% (No. 42 Thinner): 0.50 lbs/gallon (60 grams/litre) †								
<b>THEORETICAL COVERAGE</b>	1,604 mil sq ft/gal (39.4 m <sup>2</sup> /L at 25 microns). See APPLICATION for coverage rates. †								
<b>NUMBER OF COMPONENTS</b>	Two: Part A and Part B (1 Part A to 1 Part B by volume)								

# TNEME-GLAZE | SERIES 282

**PACKAGING**

KITS CONSIST OF:

	PART A	PART B	When Mixed Yield
Large Kit	5 gallon pail	5 gallon pail	10 gallons (37.9 L)
Small Kit	1 gallon can	1 gallon pail	2 gallons (7.57 L)

**NET WEIGHT PER GALLON**

11.51 ± 0.25 lbs (5.2 ± .11 kg) mixed †

**STORAGE TEMPERATURE**

Minimum 40°F (4°C) Maximum 90°F (32°C)

Note: Material should be stored at temperatures between 70°F and 90°F (21°C and 32°C) for at least 48 hours prior to use.

**TEMPERATURE RESISTANCE**

(Dry) Continuous 275°F (135°C) Intermittent 300°F (149°C)

**SHelf LIFE**

12 months at recommended storage temperature.

**FLASH POINT - SETA**

Part A: 180°F (82°C) Part B: N/A

**HEALTH & SAFETY**

This product contains chemical ingredients which are considered hazardous. Read container label warning and Material Safety Data Sheet for important health and safety information prior to the use of this product. Keep out of the reach of children.

**APPLICATION**

**COVERAGE RATES**

Before commencing, obtain and thoroughly read the StrataShield Installation and Application Guide for floors.

	Dry Mil (Microns)	Wet Mil (Microns)	Sq Ft/Gal (m <sup>2</sup> /Gal)
Horizontal	6.0-12.0 (150-305)	6.0-12.0 (150-305)	134-267 (12.4-24.8)
Vertical	4.0-8.0 (100-205)	4.0-8.0 (100-205)	201-401 (18.6-37.3)

Allow for overspray and surface irregularities. Film thickness is rounded to the nearest 0.5 mil or 5 microns. Application of coating below minimum or above maximum recommended dry film thicknesses may adversely affect coating performance. †

**MIXING**

Use a variable speed drill with a PS Jiffy blade. Slowly mix 1 part A component, and while under agitation add 1 part B component and mix for a minimum of two minutes. Ensure that all Part B is blended with Part A by scraping the pail walls with a flexible spatula. Apply the mixed material within pot life limits after agitation. Note: A large volume of material will set up quickly if not applied or reduced in volume. Caution: Do not reseal mixed material. An explosion hazard may be created.

**THINNING**

Normally not required. May thin up to 5% or 6.4 ounces (190 mL) per gallon to improve application properties. Brush and roll application use No. 2 Thinner. Spray application use No. 42 Thinner.

**POT LIFE**

25 to 30 minutes at 75°F (24°C) 15 to 20 minutes at 80°F (27°C) 8 to 10 minutes at 90°F (32°C)  
Material temperatures above 90°F (32°C) will significantly reduce the pot life.

**APPLICATION EQUIPMENT**

Brush, roller, squeegee and airless spray.

**Airless Spray**

Pump	Tip Orifice	Atomizing Pressure	Mat'l Hose ID	Manifold Filter
Graco "King" 45:1 or 56:1	0.019"-0.033" (485-840 microns)	4,000-5,000 psi (274-344 bar)	3/8" to 1/2" (9.5 to 12.7 mm)	60 mesh (250 microns)

Roller: Use high quality 3/8" to 1/2" shed resistant, synthetic woven nap roller cover.

Brush: Use high quality synthetic or nylon bristle brush.

Horizontal: Squeegee and backroll. Brush small areas only.

Vertical: Roll or spray and backroll. Brush small areas only. Spraying should only be considered as a means to transfer the material to the surface and should be followed by backrolling.

**SURFACE TEMPERATURE**

Minimum of 55°F (13°C), optimum 65°F to 80°F (18°C to 27°C), maximum of 90°F (32°C). The substrate temperature should be at least 5°F (3°C) above the dew point. To avoid outgassing, concrete temperature should be stabilized or in a descending temperature mode. Material should not be applied in direct sunlight.

**MATERIAL TEMPERATURE**

For optimum application, handling and performance, the material temperature during application should be between 70°F and 90°F (21°C and 32°C). Temperature will affect the workability. Cool temperatures increase viscosity and decrease workability. Warm temperatures will decrease viscosity and shorten pot life.

**CLEANUP**

Flush and clean all equipment immediately after use with xylene or MEK.

† Values may vary with color.

WARRANTY & LIMITATION OF SELLER'S LIABILITY: Tnemec Company, Inc. warrants only that its coatings represented herein meet the formulation standards of Tnemec Company, Inc. THE WARRANTY DESCRIBED IN THE ABOVE PARAGRAPH SHALL BE IN LIEU OF ANY OTHER WARRANTY, EXPRESSED OR IMPLIED, INCLUDING BUT NOT LIMITED TO, ANY IMPLIED WARRANTY OF MERCHANTABILITY OR FITNESS FOR A PARTICULAR PURPOSE. THERE ARE NO WARRANTIES THAT EXTEND BEYOND THE DESCRIPTION ON THE FACE HEREOF. The buyer's sole and exclusive remedy against Tnemec Company, Inc. shall be for replacement of the product in the event a defective condition of the product should be found to exist and the exclusive remedy shall not have failed its essential purpose as long as Tnemec is willing to provide comparable replacement product to the buyer. NO OTHER REMEDY (INCLUDING, BUT NOT LIMITED TO, INCIDENTAL OR CONSEQUENTIAL DAMAGES FOR LOST PROFITS, LOST SALES, INJURY TO PERSON OR PROPERTY, ENVIRONMENTAL INJURIES OR ANY OTHER INCIDENTAL OR CONSEQUENTIAL LOSS) SHALL BE AVAILABLE TO THE BUYER. Technical and application information herein is provided for the purpose of establishing a general profile of the coating and proper coating application procedures. Test performance results were obtained in a controlled environment and Tnemec Company makes no claim that these tests or any other tests, accurately represent all environments. As application, environmental and design factors can vary significantly, due care should be exercised in the selection and use of the coating.



**/// BUILDING PEOPLE WHO BUILD GREAT THINGS**

**Change Proposal Request Summary**  
 Project: City of Coeur d'Alene Tertiary Treatment Phase 2  
 Apollo Inc.

CPR No: \_\_\_\_\_ CPR No: 20 Rev 2  
 Date: \_\_\_\_\_ Date: 08/16/18

Description	Labor	Mat	Equip.	Subcont. Total	Supp Total	Total
Coatings at TMF Chemical Sumps	\$ 7,464.24	\$ 494.50	\$ 402.91	\$ 8,838.23	\$ 194.72	\$ 17,394.60
<b>SUBTOTAL COST &gt;</b>						<b>\$ 17,394.60</b>
Insurance Premium .5% - Changed Work >						\$ 86.97
Bond Premium .75% - Changed Work >						\$ 130.46
<b>TOTAL LUMP SUM COST &gt;</b>						<b>\$ 17,612.03</b>



**Change Proposal Request**  
**Project: City of Coeur d'Alene Tertiary Treatment Phase 2**  
**Apollo Inc.**

**CPR No:** 20 Rev 2  
**Item No:** 1  
**Date:** 8/16/18

*Item Description: Coating at TMF Containment Sumps*

Description	Qty	U of M	Rate	Labor	Unit	Rate	Mat	Unit	Rate	Equip.	Subcont. Total	Total
<b>APOLLO - PROJECT SUPERVISION COSTS</b>												
Project Manager	4.0	HR	\$ 90.00	\$ 360.00								\$ 360.00
Project Superintendent	22.0	HR	\$ 79.56	\$ 1,750.32								\$ 1,750.32
Yard Piping / Site Earthwork Super	28.0	HR	\$ 68.08	\$ 1,906.24								\$ 1,906.24
<b>APOLLO - CRAFT LABOR COSTS</b>												
<b>Carpenters</b>												
Carpenter	40.0	HR	\$ 38.37	\$ 1,534.80								\$ 1,534.80
<b>Laborers</b>												
General	22.0	HR	\$ 34.36	\$ 755.92								\$ 755.92
<b>APOLLO - OPERATED EQUIPMENT</b>												
<b>Forklift - CAT TH83</b>												
+ Operator	4.0	HR	\$ 45.84	\$ 183.36								\$ 183.36
+ Operating Costs	4.0							HRLY	\$ 39.59	\$ 158.36		\$ 158.36
<b>APOLLO - OTHER EQUIPMENT COSTS</b>												
Grinder	12.0							HRS	\$ 3.50	\$ 42.00		\$ 42.00
Heaters	1.0							LS	\$ 150.00	\$ 150.00		\$ 150.00
										\$ -		\$ -
<b>APOLLO - MATERIAL COSTS</b>												
Diamond V Groove Wheel	1.0				LS	\$ 80.00	\$ 80.00					\$ 80.00
Fuel	1.0				LS	\$ 150.00	\$ 150.00					\$ 150.00
Plastic	1.0				LS	\$ 200.00	\$ 200.00					\$ 200.00
							\$ -					\$ -
Apollo - Subtotal Direct Costs >				\$ 6,490.64		\$ 430.00				\$ 350.36		\$ 7,271.00
Markup on Self-Performed Labor, Mat'ls & Equipment >	15.0%			\$ 973.60		\$ 64.50				\$ 52.55		\$ 1,090.65
<b>SUBCONTRACTOR COSTS</b>												
Extreme Coatings	1										\$ 8,417.36	\$ 8,417.36
											\$ -	\$ -
											\$ -	\$ -
Subtotal Subcontractors Costs >											\$ 8,417.36	\$ 8,417.36
Markup on Subcontractor Costs >	5.0%										\$ 420.87	\$ 420.87
<b>SUPPLEMENTAL COSTS</b>												
Special Consultants											\$ -	\$ -
Subsistence for Project Supervision					HR	\$ 11.25	\$ -					\$ -
Temporary Facilities at the Site					LS		\$ -					\$ -
Small Tools	1.0				LS	\$ 194.72	\$ 194.72					\$ 194.72
Subtotal Supplementary Costs >						\$ 194.72					\$ -	\$ 194.72
Markup on Supplementary Costs >	0.0											

<b>Contractor - Total Direct Costs w/Markup &gt;</b>	<b>\$ 17,394.60</b>
Insurance Premium .5% - Changed Work >	\$ 86.97
Bond Premium .75% - Changed Work >	\$ 130.46
<b>TOTAL LUMP SUM COST &gt;</b>	<b>\$ 17,612.03</b>

**EXTRA WORK ORDER**

CUSTOMER: City of Coeur d'Alene EWO:

ADDRESS: Job #: P 162

*CPR #20*

JOB NAME: CDA Tertiary Treatment Ph. 2

WORK ORDERED BY: HDR/City of CDA

DATE: DAY:

Description of Work: *Remove materials for access to containment areas at TMF. ECT removed grating and supports, did surface prep, applied coatings. Containment only m/s.**HRS: Refer to break down sheet. m/s.*

LABOR				EQUIPMENT USED	
NAME	CLASS	HOURS		DESCRIPTION	HOURS
		ST	OT		
				TOTAL EQUIPMENT	

CONTRACT MATERIALS				SUBCONTRACTOR	
DESCRIPTION	QUANTITY	PRICE			
				TOTAL SUBCONTRACTOR	

OFFICE USE ONLY: COST SUMMARY			
LABOR			
MATERIALS			
EQUIPMENT			
TRUCK RENTAL/SUBCONTRACTOR		\$	-
SUB-TOTAL		\$	-
CH&P - LABOR		\$	-
CH&P - EQUIPMENT		\$	-
CH&P - MATERIALS		\$	-
CH&P - TRUCK RENTAL/SUBCONTRACTOR		\$	-
TOTAL OUTSIDE MATERIALS		TOTAL AMOUNT	\$ -

*Memo Buehler*  
Submitted by Apollo Representative*M. J. Sorensen*  
Authorized By Project Representative  
2-15-2018



TMF containment areas coating and caulking

Confirm means and methods for surface prep, coating application, joint treatment, caulking installation resolution, scheduling, facilitation and planning. Coordination of activities.

Sgt Kevin Burke 16 hr

Move materials for access to containment areas

James Shultz oper 4hr

Eli Leonard lab 4hrs

ECI removed grating

Daily

Collect, transport and store FRP materials

Tony DeLoeua Corp 2hr

James Shultz lab 2hrs

Remove connection piping

Tony DeLoeua Fit 2 hrs

ECI coating prep and installation

Daily

Cover north containment with road plate to allow access for continued contract work.

Tony DeLoeua oper 2hrs

James Shultz Lab 1 hr

Eli Leonard lab 1 hr

Move road plate from north to south containment for access for coatings and access to continued contract work

Tony DeLoeua oper 1 hr

James Shultz Lab 1 hr

Eli Leonard Lab 1 hr

Remove road plate for caulking access

Tony DeLoeua oper 1 hr

James Shultz lab 1 hr

Eli Leonard lab 1 hr

Reinstall grating at 2 containments

Brian Greenfelder Corp 6 hrs

Hector Pace Corp 6 hrs





# EXTRA WORK ORDER

CUSTOMER: City of Coeur d'Alene EWO:  
 ADDRESS: Job #: P 162  
 WORK ORDERED BY: HDR/City of CDA JOB NAME: CDA Tertiary Treatment Ph. 2  
 DATE: 1/8 - 1/9/18 DAY:

Description of Work: Grind in termination grooves at TAF tanks #2 thru #6 at slide gates. CPR #20  
~~Remove FRP angles and unistat for coating at TAF chemical containment.~~  
*Gate work only.*

NAME	LABOR			EQUIPMENT USED	HOURS
	CLASS	ST	OT		
Ben Landis	Corp	8		Grinder	12
Ben Landis	Corp	4			
Tony Delepena	Supt	2			
TOTAL EQUIPMENT					

CONTRACT MATERIALS		SUBCONTRACTOR	
DESCRIPTION	QUANTITY	PRICE	
Diamond V groove wheel	1	\$80.00	
TOTAL SUBCONTRACTOR			

OFFICE USE ONLY: COST SUMMARY	
LABOR	
MATERIALS	
EQUIPMENT	
TRUCK RENTAL/SUBCONTRACTOR	\$ -
SUB-TOTAL	\$ -
OH&P - LABOR	\$ -
OH&P - EQUIPMENT	\$ -
OH&P - MATERIALS	\$ -
OH&P - TRUCK RENTAL/SUBCONTRACTOR	\$ -
TOTAL OUTSIDE MATERIALS	
TOTAL AMOUNT	\$ -

*Mark Cramer*  
 Submitted by Apollo Representative

*of the Service*  
 Authorized By Project Representative



...Building People Who Build Great Things

# Daily Report of Force Account Worked

Contract Number	Date 1-8-18	Item Number	Item Name TMF
Prime Contractor	1-9-18		Subcontractor / Lower Tier Subcontractor
Line / Station	Group	Basis of Material Acceptance	RAMS Number
Description of Work Performed GRIND IN TERMINATION POINT FOR COATINGS 3 CLEAN, CHAMBERZ TARD 6			

### Time Worked Record

1/8  
1/9

	Workers and/or Equipment Working	Occupation of Workers or Equipment Size	Hours Worked		Reg. Rate	O.T. Rate	Amount
			Reg.	O.T.			
1	BEN LANDIS	GRIND / CLEAN	8				
2	Ben Landis	Grind / Clean	4				
3							
4							
5							
6							
7							
8							
9							
10							
11							
12							
13							
14							
15							
16							
17							
18							
19							
20							

Calculated By	Date	Checked By	Date	Total
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Ledger Entry Number	Entered By	Date	Entry Verified	Date
---------------------	------------	------	----------------	------

Inspector's Signature	Contractor's Representative Signature	Title
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Caulking prep and installation at gates 2-6 including weather protection.

Plan, coordinate, secure tooling and set up sub contractor scheduling <sup>Kevin Bunker</sup> 6 hrs  
Re secure weather protection tent Craig Jenne Oper 4 hrs  
including set up of 2 tucos heaters Brent Stewart lab 4 hrs  
and starting some. *Apollo used shop vac.*

Remove water from gate channel area Ben Landis cap 8 hrs  
Bruce Cantrell cap 8 hrs

Maintain, monitor and fuel Toco heaters

Craig Jenne oper 6 hrs  
50 gallons of fuel

Remove Tucos and transport to storage Craig Jenne oper 4 hrs

Remove weather protection tent and clean area

Craig Jenne oper 4 hrs  
Brent Stewart lab 6 hrs

ICI - dry out installation areas and install caulking

*weather (extreme) conditions: wind/rain*



**T&M CPR 020**

<b>Classification</b>	<b>Rate</b>	<b>Hrs</b>	<b>Total</b>
Administration	\$ 75.00	2.66	\$ 199.50
Supervisor Jesse	\$ 47.30	42	\$ 1,986.57
Painter	\$ 39.24	35	\$ 1,373.40
Per Diem	\$ 100.00	9.625	\$ 962.50
Travel	\$ 35.00	14	\$ 490.00
		103.285	
			<b>Subtotal \$ 5,011.97</b>

<b>Equipment</b>	<b>Rate</b>	<b># of Days</b>	<b>Total</b>
Dodge Truck	\$ 96.90	6	\$ 581.40
Fuel	\$ 3.25	64	\$ 208.00
Hilti Hammer	\$ 15.00	2	\$ 30.00
Dewalt Grinder & Blade	\$ 5.00	2	\$ 10.00
Vacuum	\$ 10.00	8	\$ 80.00
Sanders	\$ 5.00	5	\$ 25.00
Hilti Busing Bit	\$ 62.50	1	\$ 62.50
Makita Grinder 7"	\$ 10.00	4	\$ 40.00
Makita Grinder 9"	\$ 10.00	3	\$ 30.00
Small Tools	\$ 10.00	1	\$ 10.00
			<b>Subtotal \$ 1,076.90</b>

<b>Materials</b>	<b>Rate</b>	<b>QTY</b>	<b>Total</b>
80 grit Sandpaper	\$ 16.98	2	\$ 33.96
5" Scraper	\$ 8.21	2	\$ 16.42
Tnemec 215 kit	\$ 75.40	3	\$ 226.20
MEK 5 gal	\$ 14.80	4	\$ 59.20
Tnemec 282 4 gal	\$ 459.32	1	\$ 459.32
Roller Frames 9"	\$ 9.11	2	\$ 18.22
Roller Covers 9"	\$ 14.89	2	\$ 29.78
Roller Frames 4"	\$ 7.84	2	\$ 15.68
Roller Covers 4"	\$ 6.39	2	\$ 12.78
Thicksters box	\$ 18.99	1	\$ 18.99
rags brick	\$ 51.98	1	\$ 51.98
Diamond Concrete Grinding Wheel	\$ 79.46	1	\$ 79.46
Backer Pad 6"	\$ 48.76	1	\$ 48.76
Backer pad 5"	\$ 47.70	1	\$ 47.70
Sanding Discs 5"	\$ 38.16	1	\$ 38.16
Sanding Discs 6"	\$ 17.49	1	\$ 17.49
Scotch Brigh Pads 4"	\$ 7.42	1	\$ 7.42
Concrete Cutting Wheel 4"	\$ 17.36	1	\$ 17.36
			<b>Subtotal \$ 1,198.88</b>

<b>Totals</b>		<b>\$ 7,287.75</b>
Overhead	10%	\$ 728.78
subtotal		\$ 8,016.53
Profit	5%	\$ 400.83
<b>Grand Total</b>		<b>\$ 8,417.36</b>

dc  
12

# DAILY FOREMAN'S REPORT

DATE: 1-2-18

JOB TITLE: CDA TERTIARY TREATMENT PHASE 2 IMPROVEMENTS

CUSTOMER: APOLLO/CITY OF COEUR D'ALENE

JOB NO. 9390

ECI FOREMAN: Jesse Olson

DAY OF THE WEEK (Circle) Sun Mon **Tue** Wed Thur Fri Sat

DAILY CONTAINMENT CHECK (Circle) A.M. P.M.

LABOR NAME	TIME		EQUIPMENT	DATE CALLED		JOB STATUS
	POSITION	HRS		ON	OFF	
Jesse O		6	Honey Bucket			Before
Juan		6	Fuel Cell			Today
			Compressor			Total
			DH Unit/Heater			To Finish
			Forklift			
			Generator			
			Water Washer			
			Man lift			
			Vac Truck			
						QA/QC
						Job Is Rated
						Simple
						Complex
						Submerged

Did you accept delivery of any supplies or equipment today?  YES  NO If yes, list below:

Travel Per diem 1 Pack loop Egozit RO Parts Rigid Vacuum  
 Hilti's bushing hammer 2x 5 in's  
 2x RO Sander's Hammer  
 3500 truck fuel Dewalt Green Concrete Cutting Blade

COMMENTS: Work accomplished, anticipated problems, how can we improve this job? Use back if needed

Started work on the tmf Containment. Removed girding and supports  
 measure and marked out 2in up and out from the tmf Containment  
 corner. ~~Used bushing bit to mark up~~ used concrete cutting blade to  
 score the framed floor and wall. used bushing bit to  
 mark up the ceiling 2in out from the corner. used various tools  
 to remove the ceiling ~~from~~ 2in from the corner.

Did you receive any correction, instruction, or direction from project owners or inspector?  YES

IMPORTANT! Describe in detail any conversations. Use back if needed:

Foreman's Initials: *[Signature]*



06  
10

# DAILY FOREMAN'S REPORT

DATE: 1-3-18

JOB TITLE: CDA TERTIARY TREATMENT PHASE 2 IMPROVEMENTS

CUSTOMER: APOLLO/CITY OF COEUR D'ALENE

JOB NO. 9390

ECI FOREMAN: Jess Olson

DAY OF THE WEEK (Circle) Sun Mon Tue Wed Thur Fri Sat

DAILY CONTAINMENT CHECK (Circle) A.M. P.M.

LABOR	TIME		EQUIPMENT	DATE CALLED		JOB STATUS
	NAME	POSITION		HRS	ON	
<u>Jess Olson</u>			Honey Bucket			Before
<u>Jess Olson</u>			Fuel Cell			Today
			Compressor			Total
			DH Unit/Heater			To Finish
<u>Tom</u>			Forklift			
<u>Tom</u>			Generator			
<u>Tom</u>			Water Washer			QA/QC
<u>7-2 Tom</u>			Man lift			Job is Rated
<u>14 man hrs</u>			Vac Truck			Simple
						Complex
						Submerged

Did you accept delivery of any supplies or equipment today?

YES

NO

If yes, list below:

3500 truck fuel

Hilti bag out

perdem

Dewalt Grinder concrete cutting wheel

logsky

2x mastic Ro Sanders

regit vacuum

### COMMENTS:

Work accomplished, anticipated problems, how can we improve this job? Use back if needed

Continued working on the tmf confinements chipping out the corners in tank 1/7 same walls. The floor of tank 1 is severely etched and cracked will do a full removal. Used grinding bits to prep the 4 gateways of the tmf basins. Continued working on the tmf confinements started marking out and pulling the decking off of tank number 2. Scored the coating 2 in out from the corners of tank 2.

Did you receive any correction, instruction, or direction from project owners or inspector?

YES

IMPORTANT! Describe in detail any conversations. Use back if needed:

Foreman's Initials: Jess Olson



OK  
14

# DAILY FOREMAN'S REPORT

DATE: 1-4-18

JOB TITLE: CDA TERTIARY TREATMENT PHASE 2 IMPROVEMENTS

CUSTOMER: APOLLO/CITY OF COEUR D'ALENE

JOB NO. 9390

ECI FOREMAN: Jesse Olson

DAY OF THE WEEK (Circle) Sun Mon Tue Wed Thur Fri Sat

DAILY CONTAINMENT CHECK (Circle) A.M. P.M.

LABOR NAME	TIME		EQUIPMENT	DATE CALLED		JOB STATUS
	POSITION	HRS		ON	OFF	
<u>Jesse O</u>		<u>9</u>	Honey Bucket			Before
<u>JUAN</u>		<u>9</u>	Fuel Cell			Today
			Compressor			Total
			DH Unit/Heater			To Finish
			Forklift			
			Generator			
			Water Washer			QA/QC
			Man lift			Job is Rated
			Vac Truck			Simple
						Complex
						Submerged

Did you accept delivery of any supplies or equipment today?  YES  NO If yes, list below:

Truck 3500 fuel Hilti  
Perdium EXONARITA ROSAAS  
rigid vacuum

COMMENTS: Work accomplished, anticipated problems, how can we improve this job? Use back if needed

Continued working on tmf confinements 1 and 2 Sanding And chipping  
out the casing of sanding and then wiped the pipes in the seps of  
Applied coat of GPF to the pipes

Did you receive any correction, instruction, or direction from project owners or inspector?  YES

IMPORTANT! Describe in detail any conversations. Use back if needed:

Foreman's Initials: [Signature]



# DAILY FOREMAN'S REPORT

DATE: 1-8-18

JOB TITLE: CDA TERTIARY TREATMENT PHASE 2 IMPROVEMENTS

CUSTOMER: APOLLO/CITY OF COEUR D'ALENE

JOB NO. 9390

ECI FOREMAN: Jesse Olson

DAY OF THE WEEK (Circle) Sun Mon Tue Wed Thur Fri Sat

DAILY CONTAINMENT CHECK (Circle) A.M. P.M.

LABOR NAME	TIME		EQUIPMENT	DATE CALLED		JOB STATUS
	POSITION	HRS		ON	OFF	
<u>Jesse O</u>		<u>8.5</u>	Honey Bucket			Before Today Total To Finish
<u>John</u>		<u>8.5</u>	Fuel Cell			
			Compressor			
<u>x-425</u>			DH Unit/Heater			
			Forklift			
			Generator			QA/QC Job is Rated Simple Complex Submerged
<u>Tmf 8-330</u>			Water Washer			
<u>1.5 man hrs</u>			Man lift			
			Vac Truck			

Did you accept delivery of any supplies or equipment today?  YES  NO If yes, list below:

- Travel Padlem 6" Backer Pad 4x Scotch Brite Pads
- Tanex 3500 fuel 5" Backer Pad 2 Makita Grinders
- Makita 9" Grinder 5" Sandlight discs Rigid Vacuum
- Diamond Concrete Grinding Wheel 6" Sandlight discs

COMMENTS: Work accomplished, anticipated problems, how can we improve this job? Use back if needed

- finished Sanding the floor of Tmf containment 2
- Used Concrete Grinder with water to remove all the coatings from the floor of Tmf Containment 1
- Worked on preparing both Tmf containments for Application of the 282
- Applied 3rd coat of m91 epoxy to the Seps Piping.

Did you receive any correction, instruction, or direction from project owners or inspector?  YES

IMPORTANT! Describe in detail any conversations. Use back if needed:

St 3I inspectors inform me that the mills on the seps piping was light and another coat of paint would be needed. I informed Mike Soucie with HDR that I would need the inspectors to inspect my prep on the Tmf containments on Tuesday at 8:30.

Foreman's Initials: JO



# DAILY FOREMAN'S REPORT

DATE: 1-9-18

JOB TITLE: CDA TERTIARY TREATMENT PHASE 2 IMPROVEMENTS

CUSTOMER: APOLLO/CITY OF COEUR D'ALENE

JOB NO. 9390

ECI FOREMAN: Jessa Olson

DAY OF THE WEEK (Circle) Sun Mon Tue Wed Thur Fri Sat

DAILY CONTAINMENT CHECK (Circle) A.M. P.M.

LABOR NAME	TIME		EQUIPMENT	DATE CALLED		JOB STATUS
	POSITION	HRS		ON	OFF	
Jessa O		8	Honey Bucket			Before Today Total To Finish
Juan		8	Fuel Cell			
			Compressor			
			DH Unit/Heater			
7-330			Forklift			QA/QC Job is Rated Simple Complex Submerged
Tmf 7-230			Generator			
15man h2			Water Washer			
			Man lift			
			Vac Truck			

Did you accept delivery of any supplies or equipment today?  YES  NO If yes, list below:

Truck 3500 perdition fuel      Sam Mex 4 Gal 282      1 pack 4th      26 bags of Rags  
kit for me 215      3 X rollers      2 rollers      1 box thick sticks  
1 rigid vacuum      1 pack 4th      2 X RD MAKITA SANDERS

COMMENTS: Work accomplished, anticipated problems, how can we improve this job? Use back if needed

- Applied 215 to the spaled concrete Areas on the floor of Tmf Containment 1
- Vacuumed And thannar wiped walls and floors of the Tmf containments
- Jerri with St 31 Watted the floor and wall of ~~tmf~~ Containment 2 deglossed more and the walls of tank 1
- Vacuumed And thannar wiped the walls and floors
- Applied 282 to the walls and floors of Tmf containment 132 verified mils w/ft
- Mike Soucie Watted the glass pipe piece in the seps Coater. Sameer thannar wiped Coater as directed by Mike Soucie.

Did you receive any correction, instruction, or direction from project owners or inspector?  YES

IMPORTANT! Describe in detail any conversations. Use back if needed:

Jerri with St 31 signed off on the Tmf containments surface prep.

Foreman's Initials: [Signature]



# DAILY FOREMAN'S REPORT

DATE: 1-10-18

JOB TITLE: CDA TERTIARY TREATMENT PHASE 2 IMPROVEMENTS

CUSTOMER: APOLLO/CITY OF COEUR D'ALENE

JOB NO. 9390

ECI FOREMAN: Jesse Olson

DAY OF THE WEEK (Circle) Sun Mon Tue Wed Thur Fri Sat

DAILY CONTAINMENT CHECK (Circle) A.M. P.M.

LABOR	TIME		EQUIPMENT	DATE CALLED		JOB STATUS
	NAME	POSITION		HRS	ON	
<u>Jesse O</u>			Honey Bucket			Before
<u>JUAN</u>		<u>9.25</u>	Fuel Cell			Today
		<u>9.25</u>	Compressor			Total
			DH Unit/Heater			To Finish
<u>7-415</u>			Forklift			
			Generator			
<u>Time 7-11</u>			Water Washer			QA/QC
<u>8 man hrs</u>			Man lift			Job is Rated
			Vac Truck			Simple
						Complex
						Submerged

Did you accept delivery of any supplies or equipment today?  YES  NO If yes, list below:

COMMENTS: Work accomplished, anticipated problems, how can we improve this job? Use back if needed

- Patched Any pinholes with 215 Added Another Coat of 215 to the spalled concrete floor in the containment
- VACUUMED floors in both containments
- Applied 2nd coat of 282 to the floors and walls of the containment
- verified with WFT.
- Applied 218 to VACUUMED the floors and the membrane tank gateways
- Applied 218 to the membrane tank gateways.

Did you receive any correction, instruction, or direction from project owners or inspector?  YES

IMPORTANT! Describe in detail any conversations. Use back if needed:

Foreman's Initials: JO



CPR 021

TMF SHUTDOWN PLAN

November 14, 2017

Apollo, Inc.  
1133 West Columbia Drive  
Kennewick, WA 99336

Attn: Amy Jenne

Re: Coeur d'Alene Tertiary Treatment Phase 2 project  
CPR 021 – TMF Shutdown Plan  
Engineer's Decision

Amy,

This is a no change in Contract Price or Contract Times CPR. This Engineer's Decision accepts Contractor's acceptance of CPR 021 – TMF Shutdown Plan.

A total cost of \$0.00 and a total of 0 calendar days will be included in the forthcoming final Change Order that will include this CPR.

Sincerely,  
HDR Engineering, Inc.



Todd Jensen, PE, CCM  
*Construction Manager*

cc: Jim Remitz – City of Coeur d'Alene Wastewater Department  
Rickey Schultz – HDR  
Lizzy English – HDR  
Mike Soucie – HDR  
Mary Scalise – HDR



Change Proposal Request No: 021

(Not a Change Order)

**Project Name:**

CDA Tertiary Ph 2 Improvements

**Project Owner:**

City of Coeur d'Alene, Idaho

**HDR Project No:**

10053342

**Owner's Project No. (If applicable):**

**Contractor:**

Apollo, Inc

**Regulatory Agency Project No. (If applicable):**

**Initiated by:** Contractor

**Date:** 10/16/2017

**Attention:**

The following change in the contract on this project is proposed. Please provide your proposed price for the cost of this change.

- 1) A breakdown of cost SHALL be provided upon request by the Owner or Engineer.
- 2) Work shall not commence until authorized by the Owner.

**Description of Proposed Change:**

Apollo has requested a Hibernation of the TMF process equipment including the membranes. Apollo has agreed to work with the City operators to perform the GE provided ZeeWeed Cassette Hibernation procedures as stated in Apollo's TMF Facility – Membrane Tank Upgrades Existing Membrane Temporary Storage Plan submitted October 9, 2017, attached.

Contractor assumes full responsibility of the membrane cassettes, modules and all else contained and supported within the modules and cassettes while lifting, hoisting, moving, lowering, installing, and any other handling of the membranes.

Per the plan, the Contractor assumes full responsibility of the membranes and tanks from a hydraulic and temperature standpoint, and will provide pumps, heater, mixing, aeration, and lifting/handling of equipment as necessary.

Per the plan, the Owner assumes full responsibility of the membranes and tanks from a chemical standpoint, and will provide chemicals, testing, and chemical addition equipment and services.

TODD JENSEN, PE, CCM

By \_\_\_\_\_

All work shall be in accordance with the terms, stipulations, and conditions of the original Contract Documents. If the work herein provided for is Approved by Change Order, the time of completion will be:

Increased     Decreased     Unchanged

by \_\_\_\_\_ calendar days.

This change will:  Add     Deduct     Not Change

**HDR Recommendation:**

- Recommend Acceptance
- Do Not Recommend Acceptance

By: HDR Engineering

Date \_\_\_\_\_

**Owner's Action:**

- Accepted     Not Accepted

By: Owner

Date \_\_\_\_\_

## **TMF Facility – Membrane Tank Upgrades Existing Membrane Temporary Storage Plan**

The Owner has temporarily taken the TMF Facility and membrane tanks offline to facilitate the Phase 2 Improvement work in these areas. Taking the TMF Facility and membrane tanks offline requires temporary storage of the existing membranes in a manner acceptable to the City of Coeur d'Alene and in accordance with GE's ZeeWeed Cassette Hibernation plan provided by Tejmeen Sandhu 9/25/17.

Temporary Storage Timeframe: October 6, 2017 thru January 1, 2018

### **Apollo Temporary Storage Plan:**

Membranes from Tank #1 will be moved in accordance with Owner's instruction and supervision for lifting and placing membranes to Tank #2. Membranes will remain in Tank #2 while improvements are underway in Tank #1. Tank #1 improvements are expected to be finished by 11/3/17. After Tank #1 improvements are finished, membranes will be moved from Tank #2 to Tank #1 where their ultimate installation will take place. They will remain in a temporary storage situation in Tank #1 until start-up and commissioning begins January 1<sup>st</sup>, 2018.

Temporary storage of the membranes will follow the ZeeWeed Cassette Hibernation plan provided by GE. The Owner has already completed the recovery clean and flush of the tanks to remove any remaining mixed liquor/debris on the tank walls/floor. Tank #2 filled with clean water with regular water testing and visual inspection as outline by the following:

1. Keep the liquid level in the tank above the membrane cassette permeate headers at all times (visual confirmation necessary). Apollo will visually inspect daily.
2. Maintain a residual free chlorine concentration of 1-2 mg/L (maximum of 3 mg/L). Owner will test water daily.
3. To ensure tank mixing, aerate the tank once per week for 30 minutes. Owner will aerate the tank. Apollo will provide pump.
4. Perform daily tests to ensure that the residual chlorine concentration is within range. Owner will test daily.
5. If the free chlorine residual drops to less than 0.2 mg/L, add sodium hypochlorite and aerate the tank to mix for 2 minutes. Owner will test and add sodium hypochlorite and aerate if necessary. Apollo will provide pump.
6. Based on chlorine consumption and sight/smell of the tank water, cycle the membrane tank with fresh water twice per month, or more often as necessary. Owner will monitor and cycle membrane tank water as necessary.

The above procedure will be followed when membranes are moved back to Tank #1 for ultimate installation/temporary storage.

Water temperature will be monitored with swimming pool type thermometer and inspected daily by Apollo. If the temperature of the water is nearing freezing temperatures, a submersible tank heater will be placed in the tank and water cycled. A Ground Thaw unit will be onsite for backup heat provided by submerging the glycol heating hose in the tank water if necessary.

CPR 022

VOID



CPR 023

TMF TANK 6SS GATE



October 30, 2017

1133 West Columbia Drive  
Kennewick, WA 99336

Attn: Amy Jenne

Re: Coeur d'Alene Tertiary Treatment Phase 2 project  
CPR 023 – TMF Tank 6 Fabricated Stainless Steel Gate  
Engineer's Decision

Amy,

We have reviewed your cost proposal for CPR 023 TMF Tank 6 Fabricated Stainless Steel Gate. We have found your submitted cost proposal to be acceptable.

A total cost of \$8,269.62 and a total of 0 calendar days will be included in the forthcoming final Change Order.

Sincerely,  
HDR Engineering, Inc.

A handwritten signature in blue ink, appearing to read 'Todd Jensen'.

Todd Jensen, PE, CCM  
*Construction Manager*

cc: Jim Remitz – City of Coeur d'Alene Wastewater Department  
Rickey Schultz – HDR  
Lizzy English – HDR  
Mike Soucie – HDR  
Mary Scalise – HDR



Change Proposal Request No: 023

(Not a Change Order)

**Project Name:**

CDA Tertiary Ph 2 Improvements

**Project Owner:**

City of Coeur d'Alene, Idaho

**HDR Project No:**

10053342

**Owner's Project No. (If applicable):**

**Contractor:**

Engineer

**Regulatory Agency Project No. (If applicable):**

**Initiated by:** Contractor

**Date:** 10/16/2017

**Attention:**

The following change in the contract on this project is proposed. Please provide your proposed price for the cost of this change.

- 1) A breakdown of cost SHALL be provided upon request by the Owner or Engineer.
- 2) Work shall not commence until authorized by the Owner.

**Description of Proposed Change:**

Provide a credit proposal for labor, equipment and materials to not provide and install the 3/8-inch hot dip galvanized steel removable plate, referenced on Drawing 610D103, as well as the Removable Plate Detail 1/610D301 on Drawing 610D301.

Provide a cost proposal for labor, equipment and materials to provide and install one stainless steel slide gate, to match details of SLG-6101-23/24/25 as approved in shop drawing review of submittal 40 05 59-001A. Provide one additional opening as detailed in the Keynote 5 on Drawing 610D901, to "Cut opening in FRP Grating for frame of new membrane tank influent gates. TYP of 4."

This CPR will not include the 304 SS anchor bolts and epoxy grout, and cost for installation of these anchor bolts. This CPR will not include the sawcut as detailed on Drawing 610D901. This CPR will not include an electric actuator, motor, or disconnects for the slide gate.

TODD JENSEN, PE, CCM

By \_\_\_\_\_

All work shall be in accordance with the terms, stipulations, and conditions of the original Contract Documents. If the work herein provided for is Approved by Change Order, the time of completion will be:

Increased     Decreased     Unchanged

by \_\_\_\_\_ calendar days.

This change will:  Add     Deduct     Not Change

**HDR Recommendation:**

Recommend Acceptance

Do Not Recommend Acceptance

By: HDR Engineering

Date \_\_\_\_\_

**Owner's Action:**

Accepted     Not Accepted

By: Owner

Date \_\_\_\_\_



**/// BUILDING PEOPLE WHO BUILD GREAT THINGS**

**Change Proposal Request Summary**

Project: City of Coeur d'Alene Tertiary Treatment Phase 2  
 Apollo Inc.

CPR No: \_\_\_\_\_ CPR No: 23  
 Date: \_\_\_\_\_ Date: 10/18/17

Description	Labor	Mat	Equip.	Subcont. Total	Supp Total	Total
Item 1	\$ 1,230.82	\$ 6,904.60	\$ -	\$ -	\$ 32.11	\$ 8,167.53
<b>SUBTOTAL COST &gt;</b>						<b>\$ 8,167.53</b>
Insurance Premium .5% - Changed Work >						\$ 40.84
Bond Premium .75% - Changed Work >						\$ 61.26
<b>TOTAL LUMP SUM COST &gt;</b>						<b>\$ 8,269.62</b>

**Change Proposal Request**  
**Project: City of Coeur d'Alene Tertiary Treatment Phase 2**  
**Apollo Inc.**

**CPR No:** 23  
**Item No:** 1  
**Date:** 10/18/17

*Item Description: TMF Tank 6 Fabricated Stainless Steel Gate*

Description	Qty	U of M	Rate	Labor	Unit	Rate	Mat	Unit	Rate	Equip.	Subcont. Total	Total
<b>APOLLO - PROJECT SUPERVISION COSTS</b>												
Project Manager	2.0	HR	\$ 90.00	\$ 180.00								\$ 180.00
Project Superintendent	2.0	HR	\$ 79.56	\$ 159.12								\$ 159.12
Yard Piping / Site Earthwork Super	0.0	HR	\$ 68.08	\$ -								\$ -
<b>APOLLO - CRAFT LABOR COSTS</b>												
Pipefitter				\$ -								\$ -
Install Plate Pipefitter	-8.0	HR	\$ 60.93	\$ (487.44)								\$ (487.44)
Install Gate Pipefitter	20.0	HR	\$ 60.93	\$ 1,218.60								\$ 1,218.60
<b>APOLLO - MATERIAL COSTS</b>												
Intermountain Credit for Plate	1.0				LS	\$ (1,929.00)	\$ (1,929.00)					\$ (1,929.00)
Golden Harvest Gate	1.0				LS	\$ 7,933.00	\$ 7,933.00					\$ 7,933.00
							\$ -					\$ -
							\$ -					\$ -
Apollo - Subtotal Direct Costs >				\$ 1,070.28			\$ 6,004.00			\$ -		\$ 7,074.28
Markup on Self-Performed Labor, Mat'ls & Equipment >	15.0%			\$ 160.54			\$ 900.60			\$ -		\$ 1,061.14
<b>SUPPLEMENTAL COSTS</b>												
Special Consultants											\$ -	\$ -
Subsistance for Project Supervision					HR	\$ 11.25	\$ -					\$ -
Temporary Facilities at the Site					LS		\$ -					\$ -
Small Tools	1.0				LS	\$ 32.11	\$ 32.11					\$ 32.11
Subtotal Supplementary Costs >							\$ 32.11				\$ -	\$ 32.11
Markup on Supplementary Costs >	0.0											

<b>Contractor - Total Direct Costs w/Markup &gt;</b>	<b>\$ 8,167.53</b>
Insurance Premium .5% - Changed Work >	\$ 40.84
Bond Premium .75% - Changed Work >	\$ 61.26
<b>TOTAL LUMP SUM COST &gt;</b>	<b>\$ 8,269.62</b>

**From:** [Kevin Buchanan](#)  
**To:** [Amy Jenne](#)  
**Subject:** Gate  
**Date:** Wednesday, October 4, 2017 2:40:29 PM

---

Hi Amy,

(1) 48 x 54 SS slide gate same as GHI drawing #1 except manual geared operator.

\$7933.00

FOB job site.

Kevin Buchanan  
Golden Harvest, Inc.  
11944 Westar Lane  
Burlington, WA 98233

Phone: (360) 757-4334  
Fax: (360) 757-1135  
Email: [kevinb@goldenharvestinc.com](mailto:kevinb@goldenharvestinc.com)  
Web: [www.goldenharvestinc.com](http://www.goldenharvestinc.com)



**From:** [Mike Cook](#)  
**To:** [Amy Jenne](#); [Kevin Burke](#)  
**Cc:** [steveb@intindustrial.com](mailto:steveb@intindustrial.com)  
**Subject:** RE: CDA Tertiary  
**Date:** Thursday, October 5, 2017 10:04:25 AM

---

Amy,

\$1,929.00 credit.

Thanks,  
Mike

---

**From:** Amy Jenne [<mailto:amy.jenne@apollo-gc.com>]  
**Sent:** Thursday, October 05, 2017 9:49 AM  
**To:** Mike Cook; Kevin Burke  
**Cc:** [steveb@intindustrial.com](mailto:steveb@intindustrial.com)  
**Subject:** RE: CDA Tertiary

Hi Mike,

The Owner is considering installing a gate at this location instead of the plate. What would the credit be from you to delete the supply of this plate? I will get a response right back to you after you let me know what the credit would be.

Thank you!

Amy

---

**From:** Mike Cook [<mailto:mike@intindustrial.com>]  
**Sent:** Tuesday, October 3, 2017 4:48 PM  
**To:** Kevin Burke <[kburke@apollo-gc.com](mailto:kburke@apollo-gc.com)>; Amy Jenne <[amy.jenne@apollo-gc.com](mailto:amy.jenne@apollo-gc.com)>  
**Cc:** [steveb@intindustrial.com](mailto:steveb@intindustrial.com)  
**Subject:** RE: CDA Tertiary

Kevin,

Okay sounds good.

Thanks,  
Mike

---

**From:** Kevin Burke [<mailto:kburke@apollo-gc.com>]  
**Sent:** Tuesday, October 03, 2017 5:37 PM  
**To:** Mike Cook; Amy Jenne  
**Cc:** [steveb@intindustrial.com](mailto:steveb@intindustrial.com)  
**Subject:** RE: CDA Tertiary

Mike,

Hold this until tomorrow. Since this is already approved, there is no submittal. I will readdress this with HDR and give you a final answer tomorrow.

CPR 024

TMF BLOWER CONTROL PANEL



July 30, 2018

Apollo, Inc.  
1133 West Columbia Drive  
Kennewick, WA 99336

Attn: Amy Jenne

Re: Coeur d'Alene Tertiary Treatment Phase 2 project  
CPR 024 – TMF Blower Control Panel  
Engineer's Decision

Amy,

We have reviewed your cost proposal for CPR 024 TMF Blower Control Panel. We have found your submitted cost proposal to be acceptable.

A total cost of \$5,581.52 and a total of 0 calendar days will be included in the forthcoming final Change Order.

Sincerely,  
HDR Engineering, Inc.

A handwritten signature in blue ink, appearing to read 'Todd Jensen'.

Todd Jensen, PE, CCM  
*Construction Manager*

cc: Jim Remitz – City of Coeur d'Alene Wastewater Department  
Rickey Schultz – HDR  
Mike Soucie – HDR  
Mary Scalise – HDR



Change Proposal Request No: 024

(Not a Change Order)

**Project Name:**

CDA Tertiary Ph 2 Improvements

**Project Owner:**

City of Coeur d'Alene, Idaho

**HDR Project No:**

10053342

**Owner's Project No. (If applicable):**

**Contractor:**

Apollo, Inc

**Regulatory Agency Project No. (If applicable):**

**Initiated by:** Contractor

**Date:** 11/08/2017

**Attention:**

The following change in the contract on this project is proposed. Please provide your proposed price for the cost of this change.

- 1) A breakdown of cost SHALL be provided upon request by the Owner or Engineer.
- 2) Work shall not commence until authorized by the Owner.

**Description of Proposed Change:**

Provide installation of the TMF Master Blower Control Panel mounting hardware.  
 Provide a 1-inch conduit and (2) 12 AWG, (1) 12 AWG GND wire from Panelboard PP-601 CKT. 32.  
 Provide an Ethernet cable and 1-inch conduit from MCP to CP-01 OEM and to primary blower.  
 Utilize existing conduits, if available, and/or rack system to route to PP-601, CP-01, and the primary blower.

TODD JENSEN, PE, CCM

By

All work shall be in accordance with the terms, stipulations, and conditions of the original Contract Documents. If the work herein provided for is Approved by Change Order, the time of completion will be:

Increased     Decreased     Unchanged

by \_\_\_\_\_ calendar days.

This change will:  Add     Deduct     Not Change

**HDR Recommendation:**

- Recommend Acceptance
- Do Not Recommend Acceptance

By: HDR Engineering

Date

**Owner's Action:**

- Accepted     Not Accepted

By: Owner

Date

# Request For Information

---

**Project:** Coeur d'Alene Tertiary Treatment Phase 2 Services During Construction

**Project Number:** 10053342

**Owner:** City of Coeur d'Alene

**RFI Number:** 48

---

**Regarding:** TMF Blower Control Panel

**Document  
Researched:**

**Request:** There are no provisions in the drawings for the TMF Blower control panel that was received. Please provide drawings that show power, control, signal, conduit size, tag numbers and location. Please advise.

**Response Priority:** Rush

**Reason For Request:** Clarification

**Contractor:** Apollo, Inc

**Submitted By:** Amy Jenne

**Date:** 10/19/2017

---

**Response:** See attached response from Spencer Goodall.

**Response Action:** The above is considered a change. The following document will be used for processing: CPR  
Above is consistent with the intent and reasonably inferable from Contract Documents.

Request is related to one of following and may be returned without response:

- |   |   |
|---|---|
| <input type="checkbox"/> Incomplete or lack of detailed information | <input type="checkbox"/> Related to "means and methods" |
| <input type="checkbox"/> Lack of adequate coordination drawings     | <input type="checkbox"/> Is a "Substitution Request"    |
| <input type="checkbox"/> Response required by others                |   |

**Responded By:** Spencer Goodall

**Response Date:** 11/9/2017

---

# Request For Information

**Project:** Coeur d'Alene Tertiary Treatment Phase 2 Services During Construction

**Project Number:** 10053342

**Owner:** City of Coeur d'Alene

**RFI Number:** 48

**Regarding:** TMF Blower Control Panel

**Document  
Researched:**

**Request:** There are no provisions in the drawings for the TMF Blower control panel that was received. Please provide drawings that show power, control, signal, conduit size, tag numbers and location. Please advise.

**Response Priority:** Rush

**Reason For Request:** Clarification

**Contractor:** Apollo, Inc

**Submitted By:** Amy Jenne

**Date:** 10/19/2017

**Response:** See response below.

**Response Action:**  The above is considered a change. The following document will be used for processing:  
Above is consistent with the intent and reasonably inferable from Contract Documents.

Request is related to one of following and may be returned without response:

- |   |   |
|---|---|
| <input type="checkbox"/> Incomplete or lack of detailed information | <input type="checkbox"/> Related to "means and methods" |
| <input type="checkbox"/> Lack of adequate coordination drawings     | <input type="checkbox"/> Is a "Substitution Request"    |
| <input type="checkbox"/> Response required by others                |   |

**Responded By:** Spencer Goodall

**Response Date:** 2017.11.07

The Scour Air Blower master control panel (MCP) shall be installed inside, East of the southernmost main entry door, of the TMF facility. Provide conduit and (2) 12 AWG, (1) 12 AWG GND wire from Panelboard PP-601 CKT. 32. Provide Ethernet cable and conduit from MCP to CP-01 OEM. Utilize existing conduits and/or rack system to route to PP-601 and CP-01.  
CPR to follow.

# Request For Information

---

**Project:** Coeur d'Alene Tertiary Treatment Phase 2 Services During Construction

**Project Number:** 10053342

**Owner:** City of Coeur d'Alene

**RFI Number:** 48

---

**Regarding:** TMF Blower Control Panel

**Document  
Researched:**

**Request:** There are no provisions in the drawings for the TMF Blower control panel that was received. Please provide drawings that show power, control, signal, conduit size, tag numbers and location. Please advise.

**Response Priority:** Rush

**Reason For Request:** Clarification

**Contractor:** Apollo, Inc

**Submitted By:** Amy Jenne

**Date:** 10/19/2017

---

**Response:**

**Response Action:** The above is considered a change. The following document will be used for processing:  
Above is consistent with the intent and reasonably inferable from Contract Documents.

Request is related to one of following and may be returned without response:

- |   |   |
|---|---|
| <input type="checkbox"/> Incomplete or lack of detailed information | <input type="checkbox"/> Related to "means and methods" |
| <input type="checkbox"/> Lack of adequate coordination drawings     | <input type="checkbox"/> Is a "Substitution Request"    |
| <input type="checkbox"/> Response required by others                |   |

**Responded By:** \_\_\_\_\_

**Response Date:** \_\_\_\_\_





**/// BUILDING PEOPLE WHO BUILD GREAT THINGS**

**Change Proposal Request Summary**  
 Project: City of Coeur d'Alene Tertiary Treatment Phase 2  
 Apollo Inc.

CPR No: \_\_\_\_\_ CPR No: 24 Rev 3  
 Date: \_\_\_\_\_ Date: 07/30/18

Description	Labor	Mat	Equip.	Subcont. Total	Supp Total	Total
Item 1	\$ 596.99	\$ -	\$ -	\$ 4,915.63	\$ -	\$ 5,512.62
<b>SUBTOTAL COST &gt;</b>						<b>\$ 5,512.62</b>
Insurance Premium .5% - Changed Work >						\$ 27.56
Bond Premium .75% - Changed Work >						\$ 41.34
<b>TOTAL LUMP SUM COST &gt;</b>						<b>\$ 5,581.52</b>

Change Proposal Request  
 Project: City of Coeur d'Alene Tertiary Treatment Phase 2  
 Apollo Inc.

CPR No: 24 Rev 3  
 Item No: 1  
 Date: 7/30/18

Item Description: TMF Blower Control Panel

Description	Qty	U of M	Rate	Labor	Unit	Rate	Mat	Unit	Rate	Equip.	Subcont. Total	Total
<b>APOLLO - PROJECT SUPERVISION COSTS</b>												
Project Manager	4.0	HR	\$ 90.00	\$ 360.00								\$ 360.00
Project Superintendent	2.0	HR	\$ 79.56	\$ 159.12								\$ 159.12
Yard Piping / Site Earthwork Super	0.0	HR	\$ 68.08	\$ -								\$ -
<b>SUBCONTRACTOR COSTS</b>												
Mountain States	1										\$ 4,681.55	\$ 4,681.55
											\$ -	\$ -
											\$ -	\$ -
Subtotal Subcontractors Costs >											\$ 4,681.55	\$ 4,681.55
Markup on Subcontractor Costs >	5.0%										\$ 234.08	\$ 234.08

**Contractor - Total Direct Costs w/Markup > \$ 5,512.62**

Insurance Premium .5% - Changed Work > \$ 27.56

Bond Premium .75% - Changed Work > \$ 41.34

**TOTAL LUMP SUM COST > \$ 5,581.52**



**TIME and MATERIAL COST**

Request No: 8

To: APOLLO

Date Of Proposal: 3/20/2018

Job #: 17-010

Regarding: CPR-024

Job Name: CDA TERITARY TREATMENT PHASE 2

Attention: AMY JENNY / KEVIN BURKE

Work To Be Done:

COST IMPACT TO INSTALL BLOWER CONTROL PANEL ( FURNISHED BY OTHERS ) AND  
SUPPLY AND INSTALL OF REQUIRED RACEWAY AND CIRCUITRY

**LABOR CLASSIFICATION**

	<u>RATES</u>			<u>HOURS</u>			<u>EXTENDED</u>
	STRAIGHT	OVERTIME	DBL TIME	STRAIGHT	OVERTIME	DOUBLE TIME	
FOREMAN	\$ 70.99	\$ 95.14	\$ 119.29	8.00			\$ 567.92
JOURNEYMAN	\$ 66.50	\$ 88.47	\$ 110.40	37.00			\$ 2,460.50
APPRENTICE	\$ 41.14	\$ 64.50	\$ 90.55	12.00			\$ 493.68
PROJECT MANAGER	\$ 85.00			1.00			\$ 85.00

LABOR SUB TOTAL \$ **3,607.10**

**EQUIPMENT**

COST + 15%	<u>RATES</u>				QUANTITY	<u>EXTENDED</u>
	HOUR	DAY	WEEK	MONTH		

TOOL SUB TOTAL \$ -

**MATERIAL**

COST + 15%	<u>EXTENDED</u>
CONDUIT, FITTINGS, ETHERNET CABLE, MISC HARDWARE	\$ 934.30

MATERIAL SUB TOTAL \$ **1,074.45**

**SUB-CONTRACTOR**

COST + 15%	<u>EXTENDED</u>

SUB-CONTRACTOR SUB TOTAL \$ -

**Total Proposed Change Order price: \$ 4,681.55**

Submitted By: DAVE PERRINS, Project Manager Date: 3/20/2018

Approved By: \_\_\_\_\_ Date: \_\_\_\_\_

Title \_\_\_\_\_

QTY	ITEM DESCRIPTION	UNIT PRICE	EXTENDED PRICE
10	1 5/8" STRUT	\$ 4.34	\$ 43.40
10	7/8" STRUT	\$ 3.82	\$ 38.20
120	1" GRC	\$ 4.53	\$ 543.60
30	3/4" GRC	\$ 2.85	\$ 85.50
25	1" STRUT STRAP	\$ 1.40	\$ 35.00
4	3/4" STRUT STRAP	\$ 1.39	\$ 5.56
2	1" LB CONDULET	\$ 19.86	\$ 39.72
1	1" BACK STRAP	\$ 2.22	\$ 2.22
1	1" 1 HOLE STRAP	\$ 1.48	\$ 1.48
75	# 12 THHN	\$ 0.20	\$ 15.00
1	100' ETHERNET CABLE	\$ 56.12	\$ 56.12
8	1" SEALING LOCK NUTS	\$ 3.23	\$ 25.84
8	1" LOCKNUTS	\$ 0.66	\$ 5.28
8	1" PLASTIC BUSHING	\$ 0.77	\$ 6.16
2	3/4" SEALING LOCK NUTS	\$ 2.13	\$ 4.26
2	3/4" LOCK NUTS	\$ 0.57	\$ 1.14
2	3/4" PLASTIC BUSHING	\$ 0.41	\$ 0.82
1	MISC HARDWARE	\$ 25.00	\$ 25.00
			\$ -
	<b>TOTAL</b>		<b>\$ 934.30</b>

Report Selection:	Job:	17810	Superintendent:	ALL	Plant/Production Job:	Production
	Project:	02838	Estimator:	ALL	Payroll Selection:	Print It
	Employee:	ALL	Project Manager:	ALL		
	Job Status:	Active	Division:	ALL		

**MOUNTAIN STATES ELECTRICAL**  
**Expanded Payroll Hours Analysis Report**  
**Phase Detail**

Job: 17810      COA TERTIARY TREATMENT

Employee Code	Employee Name	Regular	Question	Double time	Overtime	Total	Regular	Question	Double time	Other	Total	Double Total
000001	GENERAL BUILDER CONTRACT PA											
000001	BENJAMIN B. BROWN	1.00				1.00						
000001	ERIC M. BROWN	27.00				27.00						
000001	PETER M. BROWN	0.00				0.00						
000001	FRANK W. SMITH	0.00				0.00						
000001	DAVID W. SMITH	7.00				7.00						
000001	ROBERT W. SMITH	0.00				0.00						
	<b>Total for phase COA 001</b>	<b>35.00</b>	<b>0.00</b>	<b>0.00</b>	<b>0.00</b>	<b>35.00</b>	<b>35.00</b>	<b>0.00</b>	<b>0.00</b>	<b>0.00</b>	<b>35.00</b>	<b>35.00</b>
	<b>Total for job 17810</b>	<b>57.00</b>	<b>0.00</b>	<b>0.00</b>	<b>0.00</b>	<b>57.00</b>	<b>57.00</b>	<b>0.00</b>	<b>0.00</b>	<b>0.00</b>	<b>57.00</b>	<b>57.00</b>
	<b>Report total</b>	<b>57.00</b>	<b>0.00</b>	<b>0.00</b>	<b>0.00</b>	<b>57.00</b>	<b>57.00</b>	<b>0.00</b>	<b>0.00</b>	<b>0.00</b>	<b>57.00</b>	<b>57.00</b>

Printed on 08/11/2010

CPR 025

SEPS FILLET REPAIR AND GRATING CHANGES



October 10, 2018

Apollo, Inc.  
1133 West Columbia Drive  
Kennewick, WA 99336

Attn: Amy Jenne

Re: Coeur d'Alene Tertiary Treatment Phase 2 project  
CPR 025 – SEPS Grating Modifications and Fillets  
Engineer's Decision

Amy,

We have reviewed your cost proposal for CPR 025 – SEPS Grating Modifications and Fillets. We have found your submitted cost proposal to be acceptable.

A total cost of \$5,082.74 and a total of 0 calendar days will be included in the forthcoming final Change Order.

Sincerely,  
HDR Engineering, Inc.

A handwritten signature in blue ink, appearing to read 'Todd Jensen'.

Todd Jensen, PE, CCM  
*Construction Manager*

cc: Jim Remitz – City of Coeur d'Alene Wastewater Department  
Rickey Schultz – HDR  
Mike Soucie – HDR  
Mary Scalise – HDR





Change Proposal Request No: 025

(Not a Change Order)

**Project Name:**

CDA Tertiary Ph 2 Improvements

**Project Owner:**

City of Coeur d'Alene, Idaho

**HDR Project No:**

10053342

**Owner's Project No. (If applicable):**

**Contractor:**

Apollo, Inc

**Regulatory Agency Project No. (If applicable):**

Initiated by: Owner

Date: 11/20/2017

**Attention:**

The following change in the contract on this project is proposed. Please provide your proposed price for the cost of this change.

- 1) A breakdown of cost SHALL be provided upon request by the Owner or Engineer.
- 2) Work shall not commence until authorized by the Owner.

**Description of Proposed Change:**

While working to clean out the Secondary Effluent Pumps Station before installing the pumps, the contractor has discovered two additional issues. Work on these items is not a priority over Milestone 1 activities.

- 1) The existing original aluminum grating consists of six sections that each span the entire distance from north to south. The pumps are mounted to the center I-beam, which is represented by the long black line drawn over the grating in the attached figure. When the operators pull the pumps out of the wet well, they remove the grating and are faced with walking along the I-beam in a very dangerous manner to access the pumps.
  - a. Contractor shall cut each section of grating at the center point of the I-beam. Contractor shall "band" (weld an aluminum flat bar to act as a frame) over the cut edges of the grating.
  - b. Contractor shall secure the grating by bolting in back to back imbed angles to existing aluminum I-beam at new grating edge locations.
  - c. Contractor shall arrange grating with existing tapered edges towards concrete on east and west ends.
- 2) The Contractor shall replace two sections of fillet that are missing in the bottom of the tank created by removal of separation wall. Contractor may choose to use approved concrete mix or non-shrink grout, per Spec Section 03 31 30.
  - a. Contractor shall drill two ½-inch rebar studs epoxied in the floor and one in the wall for each fillet. The studs shall have a 4-inch embedment and a 4-inch protrusion. The studs shall be approximately 3-inch from inside corner, and bend as needed to provide 2-inch minimum coverage. Contractor shall not drill into the existing fillet.

TODD JENSEN, PE, CCM

By \_\_\_\_\_

All work shall be in accordance with the terms, stipulations, and conditions of the original Contract Documents. If the work herein provided for is Approved by Change Order, the time of completion will be:

Increased     Decreased     Unchanged

by \_\_\_\_\_ calendar days.

This change will:  Add     Deduct     Not Change

**HDR Recommendation:**

- Recommend Acceptance
- Do Not Recommend Acceptance

By: HDR Engineering

Date \_\_\_\_\_

**Owner's Action:**

By: Owner


Date \_\_\_\_\_



Proposed fillet repair

13 Nov, 2017 15:03





Apollo asked by the city to cut the grating over the support beam, band the open ends, and secure the south side for an access platform.



CPR 026

MSA PIPE SUPPORT JOIST REINFORCEMENT



June 19, 2018

Apollo, Inc.  
1133 West Columbia Drive  
Kennewick, WA 99336

Attn: Amy Jenne

Re: Coeur d'Alene Tertiary Treatment Phase 2 project  
CPR 026 – MSA Pipe Support Joist Reinforcement  
Engineer's Decision

Amy,

We have reviewed your cost proposal for CPR 026 – MSA Pipe Support Joist Reinforcement. We have found your submitted cost proposal to be acceptable.

A total cost of \$16,172.17 and a total of 0 calendar days will be included in the forthcoming final Change Order.

Sincerely,  
HDR Engineering, Inc.

A handwritten signature in blue ink, appearing to read 'Todd Jensen'.

Todd Jensen, PE, CCM  
*Construction Manager*

cc: Jim Remitz – City of Coeur d'Alene Wastewater Department  
Rickey Schultz – HDR  
Mike Soucie – HDR  
Mary Scalise – HDR



Change Proposal Request No: 026

(Not a Change Order)

**Project Name:**

CDA Tertiary Ph 2 Improvements

**Project Owner:**

City of Coeur d'Alene, Idaho

**HDR Project No:**

10053342

**Owner's Project No. (If applicable):**

**Contractor:**

Apollo, Inc

**Regulatory Agency Project No. (If applicable):**

**Initiated by:** Contractor

**Date:** 12/04/2017

**Attention:**

The following change in the contract on this project is proposed. Please provide your proposed price for the cost of this change.

- 1) A breakdown of cost SHALL be provided upon request by the Owner or Engineer.
- 2) Work shall not commence until authorized by the Owner.

**Description of Proposed Change:**

Provide a cost proposal for work related to the evaluation and field reinforcement of the trusses in the TMF being utilized to support the MSA piping.

TODD JENSEN, PE, CCM

By \_\_\_\_\_

All work shall be in accordance with the terms, stipulations, and conditions of the original Contract Documents. If the work herein provided for is Approved by Change Order, the time of completion will be:

Increased     Decreased     Unchanged

by \_\_\_\_\_ calendar days.

This change will:  Add     Deduct     Not Change

**HDR Recommendation:**

Recommend Acceptance

Do Not Recommend Acceptance

By: HDR Engineering

Date \_\_\_\_\_

**Owner's Action:**

By: Owner

Date \_\_\_\_\_



**/// BUILDING PEOPLE WHO BUILD GREAT THINGS**

**Change Proposal Request Summary**  
 Project: City of Coeur d'Alene Tertiary Treatment Phase 2  
 Apollo Inc.

CPR No: \_\_\_\_\_ CPR No: 26  
 Date: \_\_\_\_\_ Date: 06/01/18

Description	Labor	Mat	Equip.	Subcont. Total	Supp Total	Total
TMF Joist Field Reinforcement	\$ 4,912.39	\$ 3,335.58	\$ 1,418.36	\$ 6,178.04	\$ 128.15	\$ 15,972.52
<b>SUBTOTAL COST &gt;</b>						<b>\$ 15,972.52</b>
Insurance Premium .5% - Changed Work >						\$ 79.86
Bond Premium .75% - Changed Work >						\$ 119.79
<b>TOTAL LUMP SUM COST &gt;</b>						<b>\$ 16,172.17</b>



**Change Proposal Request**  
**Project: City of Coeur d'Alene Tertiary Treatment Phase 2**  
**Apollo Inc.**

**CPR No:** 26  
**Item No:** 1  
**Date:** 6/1/18

*Item Description: TMF Joist Field Reinforcement*

Description	Qty	U of M	Rate	Labor	Unit	Rate	Mat	Unit	Rate	Equip.	Subcont. Total	Total
<b>APOLLO - PROJECT SUPERVISION COSTS</b>												
Project Manager	8.0	HR	\$ 90.00	\$ 720.00								\$ 720.00
Project Superintendent	16.0	HR	\$ 79.56	\$ 1,272.96								\$ 1,272.96
Yard Piping / Site Earthwork Super	16.0	HR	\$ 68.08	\$ 1,089.28								\$ 1,089.28
<b>APOLLO - CRAFT LABOR COSTS</b>												
<b>Laborers</b>												
General	8.0	HR	\$ 34.36	\$ 274.88								\$ 274.88
<b>Pipefitter</b>												
	12.0	HR	\$ 60.93	\$ 731.16								\$ 731.16
<b>APOLLO - OPERATED EQUIPMENT</b>												
<b>Forklift - CAT TH83</b>												
+ Operator	4.0	HR	\$ 45.84	\$ 183.36								\$ 183.36
+ Operating Costs	4.0							HRLY	\$ 39.59	\$ 158.36		\$ 158.36
<b>APOLLO - OTHER EQUIPMENT COSTS</b>												
Manlift 2 weeks	0.5							WK	\$ 2,150.00	\$ 1,075.00		\$ 1,075.00
										\$ -		\$ -
<b>APOLLO - MATERIAL COSTS</b>												
Solid Rock	1.0				LS	\$ 2,900.50	\$ 2,900.50					\$ 2,900.50
Apollo - Subtotal Direct Costs >				\$ 4,271.64		\$ 2,900.50				\$ 1,233.36		\$ 8,405.50
Markup on Self-Performed Labor, Mat'l's & Equipment >	15.0%			\$ 640.75		\$ 435.08				\$ 185.00		\$ 1,260.83
<b>SUBCONTRACTOR COSTS</b>												
<b>ECl</b>												
Tombari	1										\$ 4,683.85	\$ 4,683.85
											\$ 1,200.00	\$ 1,200.00
											\$ -	\$ -
Subtotal Subcontractors Costs >											\$ 5,883.85	\$ 5,883.85
Markup on Subcontractor Costs >	5.0%										\$ 294.19	\$ 294.19
<b>SUPPLEMENTAL COSTS</b>												
<b>Special Consultants</b>												
Subsistance for Project Supervision					HR	\$ 11.25	\$ -					\$ -
Temporary Facilities at the Site					LS	\$ -	\$ -					\$ -
Small Tools	1.0				LS	\$ 128.15	\$ 128.15					\$ 128.15
Subtotal Supplementary Costs >						\$ 128.15	\$ 128.15				\$ -	\$ 128.15
Markup on Supplementary Costs >	0.0											

<b>Contractor - Total Direct Costs w/Markup &gt;</b>	<b>\$ 15,972.52</b>
Insurance Premium .5% - Changed Work >	\$ 79.86
Bond Premium .75% - Changed Work >	\$ 119.79
<b>TOTAL LUMP SUM COST &gt;</b>	<b>\$ 16,172.17</b>



**EXTRA WORK ORDER**

CUSTOMER: City of Coeur d'Alene	EWO:
ADDRESS: <b>CPR#26</b>	Job #: P 182
WORK ORDERED BY: <b>HDR/City of CDA</b>	JOB NAME: CDA Tertiary Treatment Ph. 2
	DATE: DAY:

Description of Work: *TMF Trusses, modify existing trusses with additional welding and reinforcement. Move existing materials for access and remove combustibles. Up size MSA pipe support materials to accommodate new requirements. Include modifications to last truss and pipe hanger for future attachments. Fire watch and clean up. Supplied access for work and weld inspection. Modify root drain piping. Add cleanout to resolve clogs. Coatings and pipe insulation to be added later.*

NAME	LABOR			DESCRIPTION	HOURS
	CLASS	ST	OT		
Kevin Bunte	Supt	8		man lift	2 weeks
Tony Pelepena	Supt	12		Fork lift small	4
Eli Lund	Lab	8			
James Skultz	oper	4			
James Skultz	let/plum	6			
Eli Lund	let/plum	6			
TOTAL EQUIPMENT					

CONTRACT MATERIALS				SUB CONTRACTOR	
DESCRIPTION	QUANTITY	PRICE			
<i>PVC list attached</i>			<i>Solid Rock</i>		
TOTAL SUBCONTRACTOR					

OFFICE USE ONLY: COST SUMMARY					
				LABOR	
				MATERIALS	
				EQUIPMENT	
				TRUCK RENTAL/SUBCONTRACTOR	\$
				SUB-TOTAL	\$
				CHSP - LABOR	\$
				CHSP - EQUIPMENT	\$
				CHSP - MATERIALS	\$
				CHSP - TRUCK RENT/SUBCONTRACTOR	\$
TOTAL OUTSIDE MATERIALS				TOTAL AMOUNT	\$

*Signature*  
Submitted By Project Representative



**EXTRA WORK ORDER**

CUSTOMER: City of Coeur d'Alene	EWO:
ADDRESS: CPR #26	Job #: P 162
WORK ORDERED BY: HDR / City of CDA	JOB NAME: CDA Tertiary Treatment Ph. 2
	DATE: DAY:

Description of Work: Supply coordination and access for painters to repair coatings at T&E truss modification

LABOR				EQUIPMENT USED	
NAME	CLASS	HOURS		DESCRIPTION	HOURS
		ST	OT		
✓ Kevin Burke	Supt	8		Rental man/lift	1 week ✓
✓ Tony Delepenac	supt	4			
				TOTAL EQUIPMENT	
CONTRACT MATERIALS				SUBCONTRACTOR	
DESCRIPTION	QUANTITY	PRICE			
				ECT	
				TOTAL SUBCONTRACTOR	
OFFICE USE ONLY: COST SUMMARY					
				LABOR	
				MATERIALS	
				EQUIPMENT	
				TRUCK RENTAL/SUBCONTRACTOR	\$ -
				SUB-TOTAL	\$ -
				CH&P - LABOR	\$ -
				CH&P - EQUIPMENT	\$ -
				CH&P - MATERIALS	\$ -
				CH&P - TRUCK RENTAL/SUBCONTRACTOR	\$ -
TOTAL OUTSIDE MATERIALS				TOTAL AMOUNT	\$ -

Submitted by Apollo Representative

Authorized By Project Representative  
3-27-2018

**Solid Rock Gate Supply Inc dba Welding  
Fabrication Services**

6955 N Pleasant View Rd  
Post Falls, ID 83854

**Bill To**

Apollo Inc  
Kevin Burke  
1133 West Columbia Drive  
Kennewick, WA 99336

Phone: (208) 457-8048  
Fax: (208) 457-8858  
E-Mail: sales@welding-fab.com

# Invoice

**Date**                      **Terms**  
1/15/2018                  Due on receipt

**P.O. Number**    **Invoice #**  
P162 TRUSS ...        20781

<i>Description</i>	<i>Color</i>	<i>Quantity</i>	<i>Price Each</i>	<i>Amount</i>
P162 TRUSS REINFORCEMENT			2,677.50	2,677.50
MATERIAL			223.00	223.00
*CREDIT APPLIED* OVERPAYMENT ON INVOICE #20621				

Work Order #

Thank you for your business.  
Late Charges of 1.5% per month assessed on past due balances.

<b>Sales Tax (6.0%)</b>	\$0.00
<b>Payments/Credits</b>	-\$20.40
<b>Balance Due</b>	\$2,880.10



INVOICE  
SEND ALL PAYMENTS TO:  
SUNBELT RENTALS, INC.  
PO BOX 409211  
ATLANTA, GA 30384-9211

INVOICE NO. 72489526-0007

ACCOUNT NO. 305018

INVOICE DATE 2/28/18

PAGE 1 of 1

INVOICE TO

Tel: 509-718  
APOLLO INC  
PO BOX 7366  
1207 W COLUMBIA DR  
KENNEWICK WA 98335-3459



JOB ADDRESS  
APOLLO INC  
1080 HUBBARD AVE  
COEUR D'ALENE, ID 83814  
509-948-2803

RECEIVED BY

BECK, TONY

CONTRACT NO.

72489526

PURCHASE ORDER NO.

P162

JOB NO.

162

BRANCH

POST FALLS ID PC124  
573 N IDAHLINE RD  
POST FALLS, ID 83854  
208-777-4585

QTY	EQUIPMENT #	Min	Day	week	4 week	Amount
1	60' STR ELEC MANLIFT W/GEN 943314 Make: JLG Model: M600JP Ser #: 0300216512	220.00	220.00	675.00	2150.00	2150.00
	HR OUT: 85.000 HR IN: TOTAL: 85.000					
	BILLED FOR FOUR WEEKS 2/06/18 THRU 3/05/18.					
					Rental Sub-total:	2150.00

APOLLO, INC.

MAR 05 2018

RECEIVED

Equipment. Service. Guaranteed.

REMIT TO:

SUNBELT RENTALS, INC.  
PO BOX 409211  
ATLANTA, GA 30384-9211

NET DUE UPON RECEIPT

Invoices not paid within 30 days may be subject  
to a 1-1/2% per month charge.

SUBTOTAL 2,150.00

SALES TAX 129.00

INVOICE TOTAL 2,279.00

4 WEEK BILL

**T&M Truss & Misc Structure Touch Up**  
**March 19, 20, 21, 2018**

<b>Classification</b>	<b>Rate</b>	<b>Hrs</b>	<b>Total</b>
Administration	\$ 75.00	2	\$ 150.00
Supervisor Jesse	\$ 47.30	22	\$ 1,040.60
Painter	\$ 39.24	22	\$ 863.28
Per Diem	\$ 100.00	5.5	\$ 550.00
Travel	\$ 35.00	12	\$ 420.00
			<b>Subtotal \$ 3,023.88</b>

<b>Equipment</b>	<b>Rate</b>	<b># of Days</b>	<b>Total</b>
Dodge Truck	\$96.90	3	\$ 290.70
Fuel	\$3.50	30	\$ 105.00
Small Tools	\$10.00	3	\$ 30.00
			<b>Subtotal \$ 425.70</b>

<b>Materials</b>	<b>Rate</b>	<b>QTY</b>	<b>Total</b>
MEK-GL	\$14.80	3	\$ 44.40
Tnemec N69	\$65.79	4	\$ 263.16
Thicksters box	\$20.62	1	\$ 20.62
Quart Buckets	\$2.23	3	\$ 6.69
Quart Liners	\$4.04	9	\$ 36.36
Wire Brushes	\$6.50	2	\$ 13.00
Plastic 3 mil & 7 mil	\$136.82	1	\$ 136.82
Rags	\$25.99	1	\$ 25.99
Painters Tape	\$4.01	2	\$ 8.02
Roller Frames 4"	\$7.84	4	\$ 31.36
Roller Covers 4"	\$6.98	2	\$ 13.96
Brushes 2"	\$1.33	4	\$ 5.32
Sandpaper	\$5.97	1	\$ 5.97
			<b>Subtotal \$ 605.70</b>

<b>Totals</b>		<b>\$ 4,055.28</b>
Overhead	10%	\$ 405.53
subtotal		\$ 4,460.81
Profit	5%	\$ 223.04
<b>Grand Total</b>		<b>\$ 4,683.85</b>



T&M

**DAILY FOREMAN'S REPORT**

DATE: 3-19-18

JOB TITLE: TMF Truss and misc. structure touch up T&M

CUSTOMER: Apollo/city of Coeur D'Alene

JOB NO. 9390

ECI FOREMAN: Jesse Olson

DAY OF THE WEEK (Circle) Sun Mon Tue Wed Thur Fri Sat

DAILY CONTAINMENT CHECK (Circle) A.M. P.M.

LABOR	TIME		EQUIPMENT	DATE CALLED		JOB STATUS	
	NAME	POSITION		HRS	ON	OFF	MANDAYS
Jesse O.			Honey Bucket			Before	
Robert L.			Fuel Cell			Today	
			Compressor			Total	
			DH Unit/Heater			To Finish	
830 A.M - 330 P.M			Forklift				
			Generator				
			Water Washer			QA/QC	
			Man lift			Job is Rated	
			Vac Truck			Simple	
						Complex	
						Submerged	

Did you accept delivery of any supplies or equipment today?

YES  NO If yes, list below:

**COMMENTS:** Work accomplished, anticipated problems, how can we improve this job? Use back if needed

**T&M Items**

3500 Truck, Fuel, Travel, Per diem, 3 x 5 quart buckets, 3 x 5 quart liners, 2 x wire brushes, box of thicksters, 1 gal. MEK. 2x 2in blue tape

**Work Performed**

- Prepared areas to be coated on the trusses. Hand tool cleaning was preformed on the damaged areas of the truss. thinner wiped areas to ensure surface cleanliness.
- Sanded and thinner wiped the red primed structural pieces as designated by Kevin Burke
- Masked around areas to be painted

Foreman's Initials:





*T & M*

**DAILY FOREMAN'S REPORT**

DATE: 3-21-18

JOB TITLE: TMF Truss and misc. structure touch up T&M

CUSTOMER: Apollo/city of Coeur D'Alene

JOB NO. 9390

ECI FOREMAN: Jesse Olson

DAY OF THE WEEK (Circle) Sun Mon Tue Wed Thur Fri Sat

DAILY CONTAINMENT CHECK (Circle) A.M. P.M.

LABOR	TIME		EQUIPMENT	DATE CALLED		JOB STATUS	
	NAME	POSITION		HRS	ON	OFF	MANDAYS
Jesse O.			Honey Bucket			Before	
Robert L.			Fuel Cell			Today	
			Compressor			Total	
			DH Unit/Heater			To Finish	
7:00 A.M. - P.M.			Forklift				
			Generator				
			Water Washer			<b>QA/QC</b>	
			Man lift			<i>Job is Rated</i>	
			Vac Truck			Simple	
						Complex	
						Submerged	

Did you accept delivery of any supplies or equipment today?  YES  NO If yes, list below:

COMMENTS: Work accomplished, anticipated problems, how can we improve this job? Use back if needed

**T&M Items**

3500 Truck, Fuel, Per diem, 3 x 5 quart liners, 1 gal. MEK. 2 gal. Tnemec N69 epoxy, 2 x 4in frames, 4 x 2in brushes.

**Work Performed**

- Applied second coat of Tnemec N69 epoxy to the trusses and designated structural steel.
- Demasked and cleaned up work site.

**IMPORTANT!** Describe in detail any conversations. Use back if needed:

Foreman's Initials:



**DAILY FOREMAN'S REPORT**

DATE: 3-19-18

JOB TITLE: TMF Truss and misc. structure touch up T&amp;M

CUSTOMER: Apollo/city of Coeur D'Alene

JOB NO. 9390

ECI FOREMAN: Jesse Olson

DAY OF THE WEEK (Circle) Sun Mon Tue Wed Thur Fri Sat

DAILY CONTAINMENT CHECK (Circle) A.M. P.M.

LABOR NAME	TIME		EQUIPMENT	DATE CALLED		JOB STATUS	
	POSITION	HRS		ON	OFF	MANDAYS	
Jesse O.		7	Honey Bucket			Before	
Robert L.		7	Fuel Cell			Today	
			Compressor			Total	
			DH Unit/Heater			To Finish	
8:30 A.M - 3:30 P.M			Forklift				
			Generator				
			Water Washer			QA/QC	
			Man lift			Job is Rated	
			Vac Truck			Simple	
						Complex	
						Submerged	

Did you accept delivery of any supplies or equipment today?  YES  NO If yes, list below:

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**COMMENTS:** Work accomplished, anticipated problems, how can we improve this job? Use back if needed**T&M Items**

3500 Truck, Fuel, Travel, Per diem, 3 x 5 quart buckets, 3 x 5 quart liners, 2 x wire brushes, box of thicksters, 1 gal. MEK. 2x 2in blue tape

**Work Performed**

- Prepared areas to be coated on the trusses. Hand tool cleaning was performed on the damaged areas of the truss. thinner wiped areas to ensure surface cleanliness.
- Sanded and thinner wiped the red primed structural pieces as designated by Kevin Burke
- Masked around areas to be painted

Foreman's Initials:



# DAILY FOREMAN'S REPORT

DATE: 3-20-18

JOB TITLE: TMF Truss and misc. structure touch up T&M

CUSTOMER: Apollo/city of Coeur D'Alene

JOB NO. 9390

ECI FOREMAN: Jesse Olson

DAY OF THE WEEK (Circle) Sun Mon Tue Wed Thur Fri Sat

DAILY CONTAINMENT CHECK (Circle) A.M. P.M.

LABOR	TIME		EQUIPMENT	DATE CALLED		JOB STATUS	
	NAME	POSITION		HRS	ON	OFF	MANDAYS
Jesse O.			Honey Bucket			Before	
Robert L.			Fuel Cell			Today	
			Compressor			Total	
			DH Unit/Heater			To Finish	
7:00 A.M. - 3:30 P.M.			Forklift				
			Generator				
			Water Washer				
			Man lift				
			Vac Truck				

Did you accept delivery of any supplies or equipment today?  YES  NO If yes, list below:

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**COMMENTS:** Work accomplished, anticipated problems, how can we improve this job? Use back if needed

**T&M Items**  
 3500 Truck, Fuel, Per diem, 3 x 5 quart liners, 1 gal. MEK. 1 roll painters plastic, 1 roll 12 x 100 3mil plastic, 2 gal. Tnemec N69 epoxy, 2 x 4in frames, 1 pack 4in roller knaps, 4 x 2in brushes.

**Work Performed**

- Used plastic and drops to cover blowers and floor area
- Applied first coat of Tnemec N69 epoxy to the trusses and red primed structural areas

**IMPORTANT!** Describe in detail any conversations. Use back if needed:

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Foreman's Initials: \_\_\_\_\_



**DAILY FOREMAN'S REPORT**

DATE: 3-21-18

JOB TITLE: TMF Truss and misc. structure touch up T&amp;M

CUSTOMER: Apollo/city of Coeur D'Alene

JOB NO. 9390

ECI FOREMAN: Jesse Olson

DAY OF THE WEEK (Circle) Sun Mon Tue Wed Thur Fri Sat

DAILY CONTAINMENT CHECK (Circle) A.M. P.M.

LABOR NAME	TIME		EQUIPMENT	DATE CALLED		JOB STATUS	
	POSITION	HRS		ON	OFF	MANDAYS	
Jesse O.		7	Honey Bucket			Before	
Robert L.		7	Fuel Cell			Today	
			Compressor			Total	
			DH Unit/Heater			To Finish	
7:00 A.M. - P.M.			Forklift				
			Generator				
			Water Washer			QA/QC	
			Man lift			Job is Rated	
			Vac Truck			Simple	
						Complex	
						Submerged	

Did you accept delivery of any supplies or equipment today?  YES  NO If yes, list below:**COMMENTS:** Work accomplished, anticipated problems, how can we improve this job? Use back if needed**T&M Items**

3500 Truck, Fuel, Per diem, 3 x 5 quart liners, 1 gal. MEK. 2 gal. Tnemec N69 epoxy, 2 x 4in frames, 4 x 2in brushes.

**Work Performed**

- Applied second coat of Tnemec N69 epoxy to the trusses and designated structural steel.
- Demasked and cleaned up work site.

**IMPORTANT!** Describe in detail any conversations. Use back if needed:

Foreman's Initials:

# Invoice

**TOMBARI STRUCTURAL PRODUCTS, INC.**

P.O. BOX 9107  
SPOKANE, WA 99209-9107  
(509) 327-2780

DATE

INVOICE #

12/6/2017

11998

**BILL TO:**

APOLLO, INC.  
P.O. Box 7305  
Kennewick, WA 99336

## DESCRIPTION

## AMOUNT

CITY OF CDA WWTP ENGINEERING ONLY - COEUR D' ALENE, ID

JOIST ENGINEERING ONLY

1,200.00

APOLLO, INC.  
DEC 11 2017  
RECEIVED

TERMS NET CASH  
THANK YOU FOR YOUR BUSINESS

**TOTAL**

\$1,200.00



000001

CPR 027

SS WET ENDS FOR 3W INLINE CENTRIFUGAL GRUNDFOS PUMPS





January 16, 2018

Apollo, Inc.  
1133 West Columbia Drive  
Kennewick, WA 99336

Attn: Amy Jenne

Re: Coeur d'Alene Tertiary Treatment Phase 2 project  
CPR 027 – Replace 3W Pump Wet Ends  
Engineer's Decision

Amy,

We have reviewed your cost proposal for CPR 027 – Replace 3W Pumps Wet Ends. We have found your submitted cost proposal to be acceptable.

A total cost of \$19,897.45 and a total of 0 calendar days will be included in the forthcoming final Change Order.

Sincerely,  
HDR Engineering, Inc.

A handwritten signature in blue ink, appearing to read 'Todd Jensen'.

Todd Jensen, PE, CCM  
*Construction Manager*

cc: Jim Remitz – City of Coeur d'Alene Wastewater Department  
Rickey Schultz – HDR  
Lizzy English – HDR  
Mike Soucie – HDR  
Mary Scalise – HDR



Change Proposal Request No: 027

(Not a Change Order)

**Project Name:**

CDA Tertiary Ph 2 Improvements

**Project Owner:**

City of Coeur d'Alene, Idaho

**HDR Project No:**

10053342

**Owner's Project No. (If applicable):**

**Contractor:**

Apollo, Inc

**Regulatory Agency Project No. (If applicable):**

**Initiated by:** Owner

**Date:** 12/05/2017

**Attention:**

The following change in the contract on this project is proposed. Please provide your proposed price for the cost of this change.

- 1) A breakdown of cost SHALL be provided upon request by the Owner or Engineer.
- 2) Work shall not commence until authorized by the Owner.

**Description of Proposed Change:**

The existing wet ends of the 3W Inline Centrifugal Grundfos Pumps shall be replaced with stainless steel wet ends.

- 1. Purchase two sets of stainless steel wet ends.
- 2. Pump Tech labor to replace wet ends.
- 3. Provide a credit for existing wet ends.

TODD JENSEN, PE, CCM

By

All work shall be in accordance with the terms, stipulations, and conditions of the original Contract Documents. If the work herein provided for is Approved by Change Order, the time of completion will be:

Increased     Decreased     Unchanged

by \_\_\_\_\_ calendar days.

This change will:  Add     Deduct     Not Change

**HDR Recommendation:**

- Recommend Acceptance
- Do Not Recommend Acceptance

By: HDR Engineering

Date

**Owner's Action:**

By: Owner

Date



**/// BUILDING PEOPLE WHO BUILD GREAT THINGS**

**Change Proposal Request Summary**

Project: City of Coeur d'Alene Tertiary Treatment Phase 2  
 Apollo Inc.

CPR No: \_\_\_\_\_  
 Date: \_\_\_\_\_

CPR No: 27  
 Date: 01/02/18

Description	Labor	Mat	Equip.	Subcont. Total	Supp Total	Total
Item 1	\$ 751.80	\$ -	\$ -	\$ 18,900.00	\$ -	\$ 19,651.80
<b>SUBTOTAL COST &gt;</b>						<b>\$ 19,651.80</b>
Insurance Premium .5% - Changed Work >						\$ 98.26
Bond Premium .75% - Changed Work >						\$ 147.39
<b>TOTAL LUMP SUM COST &gt;</b>						<b>\$ 19,897.45</b>

**Change Proposal Request**  
**Project: City of Coeur d'Alene Tertiary Treatment Phase 2**  
**Apollo Inc.**

**CPR No:** 27  
**Item No:** 1  
**Date:** 1/2/18

*Item Description: Replace 3W Pump Wet Ends*

Description	Qty	U of M	Rate	Labor	Unit	Rate	Mat	Unit	Rate	Equip.	Subcont. Total	Total
<b>APOLLO - PROJECT SUPERVISION COSTS</b>												
Project Manager	2.0	HR	\$ 90.00	\$ 180.00								\$ 180.00
Project Superintendent	1.0	HR	\$ 79.56	\$ 79.56								\$ 79.56
Yard Piping / Site Earthwork Super	4.0	HR	\$ 68.08	\$ 272.32								\$ 272.32
<b>APOLLO - CRAFT LABOR COSTS</b>												
<b>Pipefitter</b>				\$ -								\$ -
Disassemble Pump	2.0	HR	\$ 60.93	\$ 121.86								\$ 121.86
Apollo - Subtotal Direct Costs >				\$ 653.74			\$ -			\$ -		\$ 653.74
Markup on Self-Performed Labor, Mat'ls & Equipment >	15.0%			\$ 98.06			\$ -			\$ -		\$ 98.06
<b>SUBCONTRACTOR COSTS</b>												
Pump Tech	1										\$ 18,000.00	\$ 18,000.00
											\$ -	\$ -
Subtotal Subcontractors Costs >											\$ 18,000.00	\$ 18,000.00
Markup on Subcontractor Costs >	5.0%										\$ 900.00	\$ 900.00

<b>Contractor - Total Direct Costs w/Markup &gt;</b>	<b>\$ 19,651.80</b>
Insurance Premium .5% - Changed Work >	\$ 98.26
Bond Premium .75% - Changed Work >	\$ 147.39
<b>TOTAL LUMP SUM COST &gt;</b>	<b>\$ 19,897.45</b>



## Sales Quotation

**TO:**  
 Amy Jenne  
 Apollo, Inc.  
 PO Box 7305  
 Kennewick, WA 99336  
 Phone: 509-987-1417  
 Fax: 509-582-6590

**Salesperson:** Ed Smith / Mike Dunn  
**Lead Time:** 6 Weeks  
**FOB:** FOB ORIGIN - FFA  
**Ship Via:** BEST WAY  
**Project Name:** Coeur 'd Alene WWTP Upgrade

**Customer#:** 0006400  
**Quote #:** 0137413  
**Date:** 12/12/2017  
**Expires:** 12/12/2017

Item	Price	Qty	Extend
96416026 CRN 64-3-1 A-G-G-E-HQQE Grundfos Vertical multistage in-line stainless steel centrifugal pump wet end. The pump has the following characteristics: - Impellers, intermediate chambers and outer sleeve are made 316 SS - Pump head cover and base are made of 316 stainless steel. - DOES NOT INCLUDE MOTOR	7,500.00	2.00	15,000.00
LABOR Labor for installation of the above pump ends	1,500.00	2.00	3,000.00

The above order is subject to Pumptech Inc. standard terms and conditions and credit approval which are attached and made part of this agreement. We appreciate your interest in our products and services and if you have any questions on our offerings please do not hesitate to call.  
 By signature below, I accept this offering:

Signed: \_\_\_\_\_  
 Name: \_\_\_\_\_ Title: \_\_\_\_\_

SubTotal 18,000.00

Sales Tax: 0.00

**Total:** 18,000.00



## STANDARD TERMS & CONDITIONS

### SHIPMENT

Estimated shipment from manufacturer can proceed as quoted after receipt of approved submittals and purchase order. Quoted shipment time is not guaranteed and is based on information from our suppliers. Any late delivery charges due to shipment beyond the above estimated schedule will not be accepted.

### CONDITIONS OF SALE

PUMPTECH INC is not bound by the terms and conditions in Purchaser's Purchase Order or in Purchaser's or Owner's Plans & Specifications unless such terms are delivered to PumpTech prior to quotation and referenced in the quotation.

PUMPTECH INC is not responsible for delay, disruption, consequential or liquidated damages of any sort, unless Purchaser requests and receives a quotation which includes pricing and terms for such damages.

### CREDIT APPROVAL AND PAYMENT TERMS

Credit approval is required by PUMPTECH INC. prior to release of order to manufacturer; however, submittal may begin at the time of receipt of purchase order. PUMPTECH, INC.'s payment terms are Net 30 days from invoice date. In some circumstances PUMPTECH, INC. may require Progress Payments. Progress payments are due and payable on receipt of invoice. "Standard Progress Payment Plan" is defined as a payment plan that includes the following terms in the Purchase Order or in the agreement:

- a. 15% - Fifteen percent on receipt of approved drawings
- b. 30% - Thirty percent with order of major components
- c. 20% - Twenty percent on receipt of major components at our facility
- d. 30% - Thirty percent upon shipment
- e. 5% - Five percent on start up

A finance charge of 1.5% per month will be charged on all past due balances. If PUMPTECH, INC. is forced to turn this over to a collection agency; purchaser agrees to pay costs of the collection to the extent that is allowed by law for commercial accounts. Purchaser also agrees to pay attorney fees and court costs in the event of a suit.

### WARRANTY

The only warranty/guarantee implied or applied to this quotation are those as put forth by the original manufacturer. Products manufactured by PUMPTECH INC. are warranted to be free from defects in material and workmanship for a period of one (1) year from the date of installation provided that the product is properly installed, serviced, and operated under normal conditions.

### TAXES

The pricing in the quotation does not include any local, state, or federal taxes. If applicable, taxes will be included on the invoice.

With the signature below, purchaser agrees to the above terms and conditions, and authorizes PUMPTECH INC. to proceed with the order.

\_\_\_\_\_  
(Purchaser's signature)

\_\_\_\_\_  
Printed Name & Title

\_\_\_\_\_  
(Date)



CPR 028

TMF TANK FRP COVER HANDLES



March 5, 2018

Apollo, Inc.  
1133 West Columbia Drive  
Kennewick, WA 99336

Attn: Amy Jenne

Re: Coeur d'Alene Tertiary Treatment Phase 2 project  
CPR 028 – TMF FRP Cover Handles  
Engineer's Decision

Amy,

We have reviewed your cost proposal for CPR 028 TMF FRP Cover Handles. We have found your submitted cost proposal to be acceptable.

A total cost of \$12,117.60 and a total of 0 calendar days will be included in the forthcoming final Change Order.

Sincerely,  
HDR Engineering, Inc.

A handwritten signature in blue ink, appearing to read 'Todd Jensen'.

Todd Jensen, PE, CCM  
*Construction Manager*

cc: Jim Remitz – City of Coeur d'Alene Wastewater Department  
Rickey Schultz – HDR  
Lizzy English – HDR  
Mike Soucie – HDR  
Mary Scalise – HDR



Change Proposal Request No: 028

(Not a Change Order)

**Project Name:**

CDA Tertiary Ph 2 Improvements

**Project Owner:**

City of Coeur d'Alene, Idaho

**HDR Project No:**

10053342

**Owner's Project No. (If applicable):**

**Contractor:**

Apollo, Inc

**Regulatory Agency Project No. (If applicable):**

**Initiated by:** Contractor

**Date:** 12/12/2017

**Attention:**

The following change in the contract on this project is proposed. Please provide your proposed price for the cost of this change.

- 1) A breakdown of cost SHALL be provided upon request by the Owner or Engineer.
- 2) Work shall not commence until authorized by the Owner.

**Description of Proposed Change:**

The existing covers for the TMF Tanks are large panels of heavy Fiber Reinforced Plastic (FRP). The current strategy for removing these covers is very awkward and dangerous for the operators. The City wishes to add handles to the covers to provide a more stable and secure hold on the covers.

- 1. Provide a cost proposal to furnish and install an estimated quantity of 168 handles.
- 2. Contractor to coordinate with City and Engineer on which panels to install handles.
- 3. Provide handle design/cut sheet information so the City can fabricate additional handles should they be needed in the future.

TODD JENSEN, PE, CCM

By \_\_\_\_\_

All work shall be in accordance with the terms, stipulations, and conditions of the original Contract Documents. If the work herein provided for is Approved by Change Order, the time of completion will be:

Increased     Decreased     Unchanged

by \_\_\_\_\_ calendar days.

This change will:  Add     Deduct     Not Change

**HDR Recommendation:**

- Recommend Acceptance
- Do Not Recommend Acceptance

By: HDR Engineering

Date \_\_\_\_\_

**Owner's Action:**

By: Owner

Date \_\_\_\_\_



**/// BUILDING PEOPLE WHO BUILD GREAT THINGS**

**Change Proposal Request Summary**  
 Project: City of Coeur d'Alene Tertiary Treatment Phase 2  
 Apollo Inc.

CPR No: \_\_\_\_\_ CPR No: 28  
 Date: \_\_\_\_\_ Date: 03/02/18

Description	Labor	Mat	Equip.	Subcont. Total	Supp Total	Total
TMF FRP Cover Handles	\$ -	\$ 11,968.00	\$ -	\$ -	\$ -	\$ 11,968.00
<b>SUBTOTAL COST &gt;</b>						<b>\$ 11,968.00</b>
Insurance Premium .5% - Changed Work >						\$ 59.84
Bond Premium .75% - Changed Work >						\$ 89.76
<b>TOTAL LUMP SUM COST &gt;</b>						<b>\$ 12,117.60</b>

Change Proposal Request  
 Project: City of Coeur d'Alene Tertiary Treatment Phase 2  
 Apollo Inc.

CPR No: 28  
 Item No: 1  
 Date: 3/2/18

Item Description: TMF FRP Cover Handles

Description	Qty	U of M	Rate	Labor	Unit	Rate	Mat	Unit	Rate	Equip.	Subcont. Total	Total
<b>APOLLO - MATERIAL COSTS</b>												
Handles	176.0				EA	\$ 68.00	\$ 11,968.00					\$ 11,968.00
Apollo - Subtotal Direct Costs >				\$ -			\$ 11,968.00			\$ -		\$ 11,968.00
Markup on Self-Performed Labor, Mat'l's & Equipment >	0.0%			\$ -			\$ -			\$ -		\$ -
<b>SUPPLEMENTAL COSTS</b>												
Special Consultants											\$ -	\$ -
Subsistance for Project Supervision					HR	\$ 11.25	\$ -					\$ -
Temporary Facilities at the Site					LS		\$ -					\$ -
Small Tools	1.0				LS	\$ -	\$ -					\$ -
Subtotal Supplementary Costs >							\$ -				\$ -	\$ -
Markup on Supplementary Costs >	0.0											

<b>Contractor - Total Direct Costs w/Markup &gt;</b>	<b>\$ 11,968.00</b>
Insurance Premium .5% - Changed Work >	\$ 59.84
Bond Premium .75% - Changed Work >	\$ 89.76

<b>TOTAL LUMP SUM COST &gt;</b>	<b>\$ 12,117.60</b>
---------------------------------	---------------------

CPR 029

REMEDICATION OF JOINTS ON HYPO SYSTEM





November 5, 2018

Apollo, Inc.  
1133 West Columbia Drive  
Kennewick, WA 99336

Attn: Amy Jenne

Re: Coeur d'Alene Tertiary Treatment Phase 2 project  
CPR 029 – Remediation of Joints on Hypochlorite System  
Engineer's Decision

Amy,

We have reviewed your cost proposal for CPR 029 – Remediation of Joints on Hypochlorite System. We have found your submitted cost proposal to be acceptable.

A total cost of \$6,479.21 and a total of 0 calendar days will be included in the forthcoming final Change Order.

Sincerely,  
HDR Engineering, Inc.

A handwritten signature in blue ink, appearing to read 'Todd Jensen'.

Todd Jensen, PE, CCM  
*Construction Manager*

cc: Jim Remitz – City of Coeur d'Alene Wastewater Department  
Rickey Schultz – HDR  
Mike Soucie – HDR  
Mary Scalise – HDR



Change Proposal Request No: 029

(Not a Change Order)

**Project Name:**

CDA Tertiary Ph 2 Improvements

**Project Owner:**

City of Coeur d'Alene, Idaho

**HDR Project No:**

10053342

**Owner's Project No. (If applicable):**

**Contractor:**

Apollo, Inc

**Regulatory Agency Project No. (If applicable):**

Initiated by: Owner

Date: 12/14/2017

**Attention:**

The following change in the contract on this project is proposed. Please provide your proposed price for the cost of this change.

- 1) A breakdown of cost SHALL be provided upon request by the Owner or Engineer.
- 2) Work shall not commence until authorized by the Owner.

**Description of Proposed Change:**

The Owner, Engineer and Contractor have identified areas in the TMF where the existing Sodium Hypochlorite pipe joints are leaking chemical. Additionally, there are some pipe supports that have been damaged or corroded due to the leaking. Contractor shall perform the following as remediation of the joints on the Sodium Hypochlorite system.

- 1. Identify all the compromised joints and fittings that need to be replaced as a result of leaking Sodium Hypochlorite.
- 2. Remove and replace the fittings.
- 3. Provide chemically compatible glue to use with slip joints and chemically compatible tape to use with threaded joints.
- 4. Remove and replace pipe supports that are damaged or corroded.

TODD JENSEN, PE, CCM

By

All work shall be in accordance with the terms, stipulations, and conditions of the original Contract Documents. If the work herein provided for is Approved by Change Order, the time of completion will be:

Increased     Decreased     Unchanged

by \_\_\_\_\_ calendar days.

This change will:  Add     Deduct     Not Change

**HDR Recommendation:**

Recommend Acceptance

Do Not Recommend Acceptance

By: HDR Engineering

Date

**Owner's Action:**

By: Owner

Date



**/// BUILDING PEOPLE WHO BUILD GREAT THINGS**

**Change Proposal Request Summary**  
 Project: City of Coeur d'Alene Tertiary Treatment Phase 2  
 Apollo Inc.

CPR No: \_\_\_\_\_ CPR No: 29  
 Date: \_\_\_\_\_ Date: 06/04/18

Description	Labor	Mat	Equip.	Subcont. Total	Supp Total	Total
Remediation of Sodium Hypochlorite pipe joints in TMF facility	\$ 2,821.69	\$ 1,393.96	\$ -	\$ -	\$ 73.61	\$ 4,289.26
<b>SUBTOTAL COST &gt; \$ 4,289.26</b>						
Insurance Premium .5% - Changed Work >						\$ 21.45
Bond Premium .75% - Changed Work >						\$ 32.17
<b>TOTAL LUMP SUM COST &gt; \$ 4,342.87</b>						

Change Proposal Request  
 Project: City of Coeur d'Alene Tertiary Treatment Phase 2  
 Apollo Inc.

CPR No: 29  
 Item No: 1  
 Date: 6/4/18

Item Description: Remediation of Sodium Hypochlorite pipe joints in TMF facility

Description	Qty	U of M	Rate	Labor	Unit	Rate	Mat	Unit	Rate	Equip.	Subcont. Total	Total
<b>APOLLO - PROJECT SUPERVISION COSTS</b>												
Project Manager	2.0	HR	\$ 90.00	\$ 180.00								\$ 180.00
Project Superintendent	2.0	HR	\$ 79.56	\$ 159.12								\$ 159.12
Yard Piping / Site Earthwork Super	6.0	HR	\$ 68.08	\$ 408.48								\$ 408.48
<b>APOLLO - CRAFT LABOR COSTS</b>												
Pipefitter				\$ -								\$ -
	28.0	HR	\$ 60.93	\$ 1,706.04								\$ 1,706.04
<b>APOLLO - MATERIAL COSTS</b>												
CPVC Parts	0.0				LS	\$ 2,191.03	\$ -					\$ -
Tacoma Screw	1.0				LS	\$ 1,212.14	\$ 1,212.14					\$ 1,212.14
Apollo - Subtotal Direct Costs >				\$ 2,453.64			\$ 1,212.14			\$ -		\$ 3,665.78
Markup on Self-Performed Labor, Mat'ls & Equipment >	15.0%			\$ 368.05			\$ 181.82			\$ -		\$ 549.87
<b>SUPPLEMENTAL COSTS</b>												
Special Consultants											\$ -	\$ -
Subsistance for Project Supervision					HR	\$ 11.25	\$ -					\$ -
Temporary Facilities at the Site					LS		\$ -					\$ -
Small Tools	1.0				LS	\$ 73.61	\$ 73.61					\$ 73.61
Subtotal Supplementary Costs >							\$ 73.61				\$ -	\$ 73.61
Markup on Supplementary Costs >	0.0											

<b>Contractor - Total Direct Costs w/Markup &gt;</b>	<b>\$ 4,289.26</b>
Insurance Premium .5% - Changed Work >	\$ 21.45
Bond Premium .75% - Changed Work >	\$ 32.17
<b>TOTAL LUMP SUM COST &gt;</b>	<b>\$ 4,342.87</b>

Done



## EXTRA WORK ORDER

CUSTOMER: City of Coeur d'Alene	EWO:
ADDRESS: <b>PAR 29</b>	Job #: P 182
WORK ORDERED BY:	JOB NAME: CDA Tertiary Treatment Ph. 2
	DATE: DAY:

Description of Work: **Repair/replace PVC/CPVC sewer lines at TME**

NAME	LABOR			EQUIPMENT USED	
	CLASS	ST	OT	DESCRIPTION	HOURS
				TOTAL EQUIPMENT	

CONTRACT MATERIALS				SUBCONTRACTOR	
DESCRIPTION	QUANTITY	PRICE			
<b>Paints - PVC/CPVC</b>					
				TOTAL SUBCONTRACTOR	

OFFICE USE ONLY: COST SUMMARY					
				LABOR	
				MATERIALS	
				EQUIPMENT	
				TRUCK RENTAL/SUBCONTRACTOR	\$ -
				SUB-TOTAL	\$ -
				OH&P - LABOR	\$ -
				OH&P - EQUIPMENT	\$ -
				OH&P - MATERIALS	\$ -
				OH&P - TRUCK RENTAL/SUBCONTRACTOR	\$ -
				TOTAL AMOUNT	\$ -

Submitted by Apollo Representative

*Mike Scovic*  
Authorized By Project Representative  
**3-27-2018**

WPR #29

Repair/replace PVC/CPVC chem lines at TME.  
Repairs required due to leaks in existing piping and  
modification added to scope.

Identify and research leakage issue, purchase safety  
equipment specific to this work, purchase repair parts,  
transport and stage materials. Plan repair activities with  
plant staff and engineering

Kevin Bultsee 6 hrs Supt

Tony Delepena 24 hrs Supt

3/13 Repair chem lines

Tony Delepena - 2 hr - Supt

James Shulte - 4 hrs - Fitter

3/22 Repair chem lines

Tony Delepena - 2 hr Supt

James Shulte - 8 hr Fitter

Hector Pacc - 8 hr Fitter

3/23 Repair chem lines

Tony Delepena - 2 hrs Supt

James Shulte - 4 hr Fitter

Hector Pacc - 4 hrs Fitter



Invoice Number	Invoice Date	Terms	NET 80
02188681	01/25/18	F.O.B. SHIPPING POINT	
Order Number	Customer PO Number		
02185519	P162 CHEM SYS		
Order Date	Ship Date	Ship Via	
01/23/18	01/24/18	CUSTOMER PICK UP	



PLEASE REMIT TO:  
 Harrington Industrial Plastics LLC  
 PO BOX 5128  
 1440 Yuba Ave  
 Chico, CA 95708-5128  
 TEL: 909-597-8640  
 FAX: 909-597-4741

000547\*0003\*0003\*\*AUTO\*\*MXED AADC 928

## INVOICE



Bill to: APOLLO INCORPORATED  
 PO BOX 7305  
 KENNEWICK WA 98036-0617

Ship to: TONY  
 ALOLO INC JOBSITE  
 CITY OF COEUR D'ALENE TERTIARY  
 TREATMENT PH 2 IMPR  
 765 W HUBBARD AVE  
 COEUR D'ALENE ID 83814

Customer No.	Territory	Freight Terms	Page #	Job No.				
030452	212	PREPAID FFA	1					
Product No./Description	WHS#	Order Quantity	Ship Quantity	Balance Due	List Price	Disc	Unit Price	Amount
8470-2605 3/4"IDx1"OD x18"W TUBING CLR PVC BRAIDFLEX 75N 50'COIL	021	50	50	0			1.04	82.00
8470-2680 1"IDx1-5/16"ODx5'02"W TUBING CLR PVC BRAIDFLEX 75N	021	50	50	0			2.39	119.50
075C 3/4" ADAPTER FCxHB BLK GFPP EPCM PART C	021	8	8	0			6.43	51.44
H-1288 1 1/16"-1-1/4" CLAMP WORM GEAR 200/3035S BANDHSNG 400SS 5/16" HEX SCREW	021	16	16	0			1.75	28.00

APOLLO, INC.  
 JAN 29 2018  
 RECEIVED

**WARRANTY DISCLAIMER:** Harrington Industrial Plastics LLC (Harrington) makes no express or implied warranties, including those of merchantability or fitness for a particular purpose, with regard to goods and products not manufactured by Harrington. With regard to products manufactured by Harrington, Harrington warrants only that such products will be free of defects in material and workmanship for a period of one year from shipment date. Harrington makes no other express or implied warranties with respect to such goods. Any description of goods on the face of this document is for the sole purpose of identifying them and does not constitute a warranty of any kind.  
**ENTIRE AGREEMENT:** The terms and conditions set forth in this invoice constitute the entire agreement between purchaser and Harrington and supersede any prior or contemporaneous representations or agreements, written or oral. No additional oral or written terms, including any attempts by purchaser to alter or modify this invoice or any other document relating to this sale, shall become a part of this agreement without the express written consent of Harrington.

CONTINUED

Subtotal	CONTINUED
Tax	CONTINUED
Freight & Handling	CONTINUED
Total Due	CONTINUED



Invoice Number	Invoice Date	Terms	NET 60
02188681	01/25/18	F.O.B. SHIPPING POINT	
Order Number	Customer PO Number		
02185519	P102 CHEM SYS		
Order Date	Ship Date	Ship Via	
01/23/18	01/24/18	CUSTOMER PICK UP	



PLEASE REMIT TO:  
Harrington Industrial Plastics LLC  
PO BOX 5128  
1648 Yuba Ave  
Chico, CA 95708-5128  
TEL 909-587-8840  
FAX 909-593-8141

00654700030003\*\*AUTO\*\*MIXED AADC 925

## INVOICE



Bill to: APCOLLO INCORPORATED  
PO BOX 7305  
KENNEWICK WA 98330-0017

Ship to: TONY  
ALOLLO INC JOBSITE  
CITY OF COEUR D'ALENE TERTIARY  
TREATMENT PH 2 IMPR  
765 W HUBBARD AVE  
COEUR D'ALENE, ID 83814

Customer No.	Territory	Freight Terms	Page #	Job No.					
030452	212	PREPAID FFA	2						
Product No./Description	WGSE	Order Quantity	Ship Quantity	Balance Due	List Price	Disc	Unit Price	Amount	
807C-007S 3/4" UNION S CPVC EPDM SCH80	021	4	4	0			5.64	22.56	
806C-007S 3/4" 90 ELBOW S CPVC SCH80	021	3	3	0			1.54	4.62	
854C-010S 1" FLANGE WS S CPVC SCH80	021	4	4	0			6.02	24.08	

**WARRANTY DISCLAIMER:** Harrington Industrial Plastics LLC (Harrington) makes no express or implied warranties, including those of merchantability or fitness for a particular purpose, with regard to goods and products not manufactured by Harrington. With regard to products manufactured by Harrington, Harrington warrants only that such products will be free of defects in material and workmanship for a period of one year from shipment date. Harrington makes no other express or implied warranties with respect to such goods. Any description of goods on the face of this document is for the sole purpose of identifying them and does not constitute a warranty of any kind.  
**ENTIRE AGREEMENT:** The terms and conditions set forth in this invoice constitute the entire agreement between purchaser and Harrington and supersede any prior or contemporaneous representations or agreements, written or oral. No additional oral or written terms, including any attempt by purchaser to alter or modify this invoice or any other document relating to this sale, shall become a part of this agreement without the express written consent of Harrington.

Subtotal	332.20
Tax	29.24
Freight & Handling	0.00
Total Due	361.44

Spokane Branch  
 Harrington Industrial Plastics  
 2224 North Locust Road Suite  
 Spokane, WA 99206



Invoice# 02189351  
 Location# 021  
 Date 03/20/18  
 Page 1 OF 1

Industrial Plastics LLC

\*\* Invoice \*\*  
 \*\* Reprint \*\*

030452  
 APOLLO INCORPORATED  
  
 P O BOX 7305  
 KENNEWICK, WA 99336

Ship To:  
 ALOLLO INC JOBSITE  
 CITY OF COEUR D'ALENE TERTIARY  
 TREATMENT PH 2 IMPR  
 765 W HUBBARD AVE  
 COEUR D'ALENE, ID 83814

=====  
 Cust P/O:P162 CHEM SYS                      Reps:1845/4029                      Terms:NET 60  
 Ord-Date:02/23/18 Written:RJF Order#:021859 Ship Via:CUSTOMER PICK UP  
 =====

Product/Description	Open	Ship'd	B/O	Price	U/M	Extension
---------------------	------	--------	-----	-------	-----	-----------

163.546.354 1" VALVE BALL TUBV S/T CPVC FPM PTFE TYPE 546 W/ 1/8" VENTED BALL	5	5	0	111.60	EA	558.00
--	---	---	---	--------	----	--------

LEAD TIME 5-7 DAYS TO DELIVER

DGV050V-CP 1/2" VALVE DEGAS AUTO VENT T CPVC FKM 1/8" PORT DGV050VS-CP SOCKET END CONNECTION	4	4	0	332.47	EA	1,329.88
--	---	---	---	--------	----	----------

=====  
 Mdse Total Handling                      Tax                      Freight                      Dep-amt                      Dep-Appld                      Invoice Total  
 =====  
 1,887.88                      0.00                      0.00                      42.86                      0.00                      0.00                      1,930.74  
 =====



PO Box 1049  
Veradale, Washington 99037  
Phone: (509) 536-3993  
Website: www.paramountsupply.com  
Sales Contact: DAVID BOND  
Email: DAVIDBOND@PARAMOUNTSUPPLY.COM

Order Number: 685182  
Gasket Number:  
Date: 2/23/18  
PO: Q  
Ship Via: QUOTE  
Freight Terms: PPD & CHG  
Terms: CREDIT CARD

**SOLD TO**

500000  
MISC ACCT

**SHIP TO**

500000  
APOLLO INC

LINE	ITEM #	DESCRIPTION	ORDER	SHIP	UOM	LIST PRICE	DISC	NET PRICE	TOTAL
1	22	LEAK LOCK GOLD 8 OZ STOCK SPOKANE *ITEM # 93805	2	0	EA	\$44.25	NET	\$44.25	\$88.50
			<b>SUBTOTAL</b>	<b>FREIGHT</b>	<b>SALES TAX</b>	<b>TOTAL</b>	<b>PAID</b>		
			\$88.50	\$0.00	\$7.79	\$96.29	\$0.00		



# Tacoma Screw Products, Inc.

# Invoice

[tacomascrew.com](http://tacomascrew.com)

Fasteners • Tools • Maintenance & Shop Supplies

Since 1946

REMIT TO Tacoma Screw Products, Inc.  
Attn: Accounts Receivable  
P.O. Box 35185  
Seattle, WA 98124-5185 U.S.A.

INVOICE # 24082529

LOCATION SPOKANE

DATE 12/28/17

PAGE 1 OF 3



**BILL TO**

116002  
APOLLO INC  
ATTN ACCOUNTS PAYABLE  
PO BOX 7305  
KENNEWICK, WA 99336-7305

**SHIP TO**

APOLLO INC  
ATTN RECEIVING  
1201 W COLUMBIA DRIVE  
KENNEWICK, WA 99336

ORDER NUMBER SV94803	ORDER DATE 12/28/17	ORIGINAL QUOTE	CUSTOMER P/O NUMBER P162	PAYMENT TERMS NET 30 DAYS		
WRITTEN BY JHP	SALES REP SEC	CUST RELEASE#	JOB NUMBER	SHIP VIA WILL CALL SPOKANE		

PRODUCT/DESCRIPTION	QUANTITY OPEN	QUANTITY SHIPPED	QUANTITY B/O	PRICE	U/M	TAX	EXTENSION
568-711 WATERSHED 1-350-RB-2XL XX-LARGE OVERALL BLUE NITRILE	1	1	0	91.0087	EA		91.01
568-711 WATERSHED 1-350-RB-2XL XX-LARGE OVERALL BLUE NITRILE	1	1	0	91.0087	EA		91.01
568-704 WATERSHED 1-300-RB-XL X-LARGE JACKET BLUE NITRILE	1	1	0	82.7351	EA		82.74
568-704 WATERSHED 1-300-RB-XL X-LARGE JACKET BLUE NITRILE	1	1	0	82.7351	EA		82.74
568-710 WATERSHED 1-350-RB-XL X-LARGE OVERALLS BLUE NITRILE	1	1	0	82.7351	EA		82.74
568-710 WATERSHED 1-350-RB-XL X-LARGE OVERALLS BLUE NITRILE	1	1	0	82.7351	EA		82.74
568-810 WATERSHED 1-350-GR-XL X-LARGE OVERALL GREEN NITRILE	1	1	0	82.7351	EA		82.74
568-810 WATERSHED 1-350-GR-XL X-LARGE OVERALL GREEN NITRILE	1	1	0	82.7351	EA		82.74

*Reduce \$300.00 off total invoice for supplies needed  
for contract work at chemical center  
Kevin Bunke  
3/27/18*

Continued



# Tacoma Screw Products, Inc.

# Invoice

[tacomascrew.com](http://tacomascrew.com)

Since 1946

**Fasteners • Tools • Maintenance & Shop Supplies**

REMIT TO Tacoma Screw Products, Inc.  
Attn: Accounts Receivable  
P.O. Box 35165  
Seattle, WA 98124-5165 U.S.A.

INVOICE #	24082529
LOCATION	SPOKANE
DATE	12/28/17
PAGE	2 OF 3



**BILL TO**

116002  
APOLLO INC  
ATTN ACCOUNTS PAYABLE  
PO BOX 7305  
KENNEWICK, WA 99336-7305

**SHIP TO**

APOLLO INC  
ATTN RECEIVING  
1201 W COLUMBIA DRIVE  
KENNEWICK, WA 99336

ORDER NUMBER SV94803	ORDER DATE 12/28/17	ORIGINAL QUOTE	CUSTOMER P/O NUMBER P162	PAYMENT TERMS NET 30 DAYS
WRITTEN BY JHP	SALES REP SEC	CUST RELEASE#	JOB NUMBER	SHIP VIA WILL CALL SPOKANE

PRODUCT/DESCRIPTION	QUANTITY OPEN	QUANTITY SHIPPED	QUANTITY B/O	PRICE	U/M	TAX	EXTENSION
568-804 WATERSHED 1-300-GR-XL X-LARGE JACKET GREEN NITRILE	1	1	0	82.7351	EA		82.74
568-804 WATERSHED 1-300-GR-XL X-LARGE JACKET GREEN NITRILE	1	1	0	82.7351	EA		82.74
568-705 WATERSHED 1-300-RB-2XL XX-LARGE JACKET BLUE NITRILE	1	1	0	91.0087	EA		91.01
568-705 WATERSHED 1-300-RB-2XL XX-LARGE JACKET BLUE NITRILE	1	1	0	91.0087	EA		91.01
566-336 ORANGE DIAMOND LARGE 7 MIL PF ORANGE NITRILE GLOVE 100/BX	1	1	0	15.0055	BX		15.01
566-335 ORANGE DIAMOND MEDIUM 7 MIL PF ORANGE NITRILE GLOVE 100/BX	1	1	0	15.0055	BX		15.01
559-105 JACKSON 3005071 DELUXE GOGGLES - FOGGARD	3	3	0	7.9657	EA		23.90
355-608 M.K.MORSE MA35PS 1-1/4"-6" HOLE SAW MANDREL 3/8" HEX	1	1	0	17.0264	EA		17.03

Continued



# Tacoma Screw Products, Inc.

# Invoice

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

Fasteners • Tools • Maintenance & Shop Supplies

Since 1946

REMIT TO Tacoma Screw Products, Inc.  
Attn: Accounts Receivable  
P.O. Box 35165  
Seattle, WA 98124-5165 U.S.A.



INVOICE #	24082529
LOCATION	SPOKANE
DATE	12/28/17
PAGE	3 OF 3



### BILL TO

116002  
APOLLO INC  
ATTN ACCOUNTS PAYABLE  
PO BOX 7305  
KENNEWICK, WA 99336-7305

### SHIP TO

APOLLO INC  
ATTN RECEIVING  
1201 W COLUMBIA DRIVE  
KENNEWICK, WA 99336

ORDER NUMBER SV94803	ORDER DATE 12/28/17	ORIGINAL QUOTE	CUSTOMER P/O NUMBER P162	PAYMENT TERMS NET 30 DAYS
WRITTEN BY JHP	SALES REP SEC	CUST RELEASE#	JOB NUMBER	SHIP VIA WILL CALL SPOKANE

PRODUCT/DESCRIPTION	QUANTITY OPEN	QUANTITY SHIPPED	QUANTITY B/O	PRICE	U/M	TAX	EXTENSION
354-207 MILWAUKEE 49-56-1503 C.B. HOLE SAW 1-1/2"	1	1	0	17.1889	EA		17.19

Thank you for your order. Please note that all sales are subject to Tacoma Screw Products, Inc.'s Terms of Sale and Conditions of Sale. If there should be any questions, or if we can be of further service, please call (253) 572-3444 or (800) 562-8182. We appreciate and value your continued business.

MERCHANDISE TOTAL	HANDLING	MISC CHARGE	TAX	FREIGHT	DEPOSIT AMOUNT	DEPOSIT APPLIED	INVOICE TOTAL
1,114.10	0.00	0.00	98.04	0.00	0.00	0.00	1,212.14

PICK-UP SIGNATURE:  
**TONY**

CPR 030

HIGH PERFORMANCE INDUSTRIAL COATINGS SYSTEMS





June 1, 2018

Apollo, Inc.  
1133 West Columbia Drive  
Kennewick, WA 99336

Attn: Amy Jenne

Re: Coeur d'Alene Tertiary Treatment Phase 2 project  
CPR 030 – Primary Clarifier 3 HP Industrial Coating Systems  
Engineer's Decision

Amy,

We have reviewed your cost proposal for CPR 030 – Primary Clarifier 3 HP Industrial Coating Systems. We have found your submitted cost proposal to be acceptable.

A total cost of \$18,425.20 and a total of 0 calendar days will be included in the forthcoming final Change Order.

Sincerely,  
HDR Engineering, Inc.

A handwritten signature in blue ink, appearing to read 'Todd Jensen'.

Todd Jensen, PE, CCM  
*Construction Manager*

cc: Jim Remitz – City of Coeur d'Alene Wastewater Department  
Rickey Schultz – HDR  
Lizzy English – HDR  
Mike Soucie – HDR  
Mary Scalise – HDR



Change Proposal Request No: 030

(Not a Change Order)

**Project Name:**

CDA Tertiary Ph 2 Improvements

**Project Owner:**

City of Coeur d'Alene, Idaho

**HDR Project No:**

10053342

**Owner's Project No. (If applicable):**

**Contractor:**

Apollo, Inc

**Regulatory Agency Project No. (If applicable):**

Initiated by: Contractor

Date: 03/21/2018

**Attention:**

The following change in the contract on this project is proposed. Please provide your proposed price for the cost of this change.

- 1) A breakdown of cost SHALL be provided upon request by the Owner or Engineer.
- 2) Work shall not commence until authorized by the Owner.

**Description of Proposed Change:**

Provide a cost proposal for the difference in costs between providing coating systems as specified versus coating systems to be provided per submittal 09 96 00-3A for Primary Clarifier 3.

- 1. Cost proposal shall include both cost as well as credits with a complete breakdown of material and labor. Credits shall include material as well as labor savings for situations where fewer coats were applied then specified and for taking in account situations where overall mil thickness was less than specified.

TODD JENSEN, PE, CCM

By

All work shall be in accordance with the terms, stipulations, and conditions of the original Contract Documents. If the work herein provided for is Approved by Change Order, the time of completion will be:

Increased     Decreased     Unchanged

by \_\_\_\_\_ calendar days.

This change will:  Add     Deduct     Not Change

**HDR Recommendation:**

- Recommend Acceptance
- Do Not Recommend Acceptance

By: HDR Engineering

Date

**Owner's Action:**

By: Owner

Date



**/// BUILDING PEOPLE WHO BUILD GREAT THINGS**

**Change Proposal Request Summary**  
 Project: City of Coeur d'Alene Tertiary Treatment Phase 2  
 Apollo Inc.

CPR No: \_\_\_\_\_ CPR No: 30 Rev1  
 Date: \_\_\_\_\_ Date: 05/16/18

Description	Labor	Mat	Equip.	Subcont. Total	Supp Total	Total
HP Industrial Coating Systems	\$ 828.00	\$ -	\$ -	\$ 17,369.73	\$ -	\$ 18,197.73
<b>SUBTOTAL COST &gt;</b>						<b>\$ 18,197.73</b>
Insurance Premium .5% - Changed Work >						\$ 90.99
Bond Premium .75% - Changed Work >						\$ 136.48
<b>TOTAL LUMP SUM COST &gt;</b>						<b>\$ 18,425.20</b>

Change Proposal Request  
 Project: City of Coeur d'Alene Tertiary Treatment Phase 2  
 Apollo Inc.

CPR No: 30 Rev1  
 Item No: 1  
 Date: 5/16/18

Item Description: High Performance Industrial Coatings Systems

Description	Qty	U of M	Rate	Labor	Unit	Rate	Mat	Unit	Rate	Equip.	Subcont. Total	Total
<b>APOLLO - PROJECT SUPERVISION COSTS</b>												
Project Manager	8.0	HR	\$ 90.00	\$ 720.00								\$ 720.00
Project Superintendent		HR	\$ 79.56	\$ -								\$ -
Yard Piping / Site Earthwork Super		HR	\$ 68.08	\$ -								\$ -
Apollo - Subtotal Direct Costs >				\$ 720.00			\$ -			\$ -		\$ 720.00
Markup on Self-Performed Labor, Mat'ls & Equipment >	15.0%			\$ 108.00			\$ -			\$ -		\$ 108.00
<b>SUBCONTRACTOR COSTS</b>												
Extreme Coatings											\$ 18,542.60	\$ 18,542.60
Apollo Cost Sharing											\$ (2,000.00)	\$ (2,000.00)
Subtotal Subcontractors Costs >											\$ 16,542.60	\$ 16,542.60
Markup on Subcontractor Costs >	5.0%										\$ 827.13	\$ 827.13

Contractor - Total Direct Costs w/Markup > \$ 18,197.73

Insurance Premium .5% - Changed Work > \$ 90.99

Bond Premium .75% - Changed Work > \$ 136.48

**TOTAL LUMP SUM COST > \$ 18,425.20**



March 27, 2018

To: Apollo, Inc Fax:

From: Dan Olson

RE: CPR No: 30  
CDA Tertiary Ph2 Improvements  
Coating System Modifications 099600-03A

Lump sum bid proposal for area listed above painting and coating

Millage increases for basic systems	No Cost Change
Secondary Clarifier Concrete Coatings	No Cost Change
Primary Clarifier Concrete Coatings, Increase	\$18,542.60

Clarifications:

1. Bid proposal is dependent on use of a contract format acceptable to ECI.
2. Insurance requirements do not exceed 1M/2M/5M
3. Excludes heat, dehumidification and tenting
4. Bond is not included.

Bid Addenda Noted:

**Primary Clarifier 3 Launderer  
Intermediate Coat 436, 50-70**

	Hours	Rate	Cost
<b>Labor Costs Application 436</b>			
Superintendent	10	73.81	\$738.10
Painters	40	40.94	\$1,637.60
Subsistence/Perdiem Per Man Day	5	100	\$500.00
<b>Labor Cost Termination Cut for 436</b>			
Painters	16	40.94	\$655.04
Subsistence/Perdiem Per Man Day	2	100	\$200.00
		<b>Total</b>	<b>\$3,730.74</b>

Equipment/Materials	Qty	Days	Rate	Cost
Power tools	2	2	25	\$50.00
Diamond Wheels	2		75	\$150.00
Truck 3500 w/bed rack and tools	1	3	75	\$225.00
Airless 65:1 w/ hopper	1	2	185	\$370.00
1/2" Airless Hose 100'	1	1	210	\$210.00
3/8" Whip	1		45	\$45.00
HD HiPressure Mastic Gun	1		70	\$70.00
			<b>Total</b>	<b>\$1,120.00</b>

Materials	QTY	Cost	
Tnemec 436	140	100.14	\$14,019.60
MEK	20	19.2	\$384.00
Shipping	1	75	\$75.00
		<b>Total</b>	<b>\$14,478.60</b>
		<b>Total</b>	<b>\$19,329.34</b>
		OH 10%	\$1,932.93
		Profit 5%	\$1,063.11
		<b>Total</b>	<b>\$22,325.39</b>

**Primary Clarifier 3 Launderer  
Finish Coat Reduced Millage 435 from 30 to 15**

	Hours	Rate	Cost
<b>Labor Costs</b>			
Superintendent	2	73.81	\$147.62
Painters	8	40.94	\$327.52
Subsistence/Perdiem Per Man Day	1	100	\$100.00
		<b>Total</b>	<b>\$575.14</b>

Equipment/Materials	Qty	Days	Rate	Cost
				<b>Total</b>

Materials	QTY	Cost	
Tnemec 435	30	90	\$2,700.00
		<b>Total</b>	<b>\$2,700.00</b>

<b>Total</b>	<b>\$3,275.14</b>
OH 10%	\$327.51
Profit 5%	\$180.13
<b>Total</b>	<b>\$3,782.79</b>

Deduct

CPR 031

INTERIOR METAL LINER PANEL





January 29, 2019

Apollo, Inc.  
1133 West Columbia Drive  
Kennewick, WA 99336

Attn: Amy Jenne

Re: Coeur d'Alene Tertiary Treatment Phase 2 project  
CPR 031 – SCB2 Interior Metal Wall Panels  
Engineer's Decision

Amy,

We have reviewed your cost proposal for CPR 031 – SCB2 Interior Metal Wall Panels. We have found your submitted cost proposal to be acceptable.

A total cost of \$11,665.14 and a total of 0 calendar days will be included in the forthcoming final Change Order.

Sincerely,  
HDR Engineering, Inc.

A handwritten signature in blue ink, appearing to read 'Todd Jensen'.

Todd Jensen, PE, CCM  
*Construction Manager*

cc: Jim Remitz – City of Coeur d'Alene Wastewater Department  
Rickey Schultz – HDR  
Mike Soucie – HDR  
Mary Scalise – HDR



Change Proposal Request No: 031

(Not a Change Order)

**Project Name:**

CDA Tertiary Ph 2 Improvements

**Project Owner:**

City of Coeur d'Alene, Idaho

**HDR Project No:**

10053342

**Owner's Project No. (If applicable):**

**Contractor:**

Apollo, Inc

**Regulatory Agency Project No. (If applicable):**

Initiated by: Contractor

Date: 09/05/2018

**Attention:**

The following change in the contract on this project is proposed. Please provide your proposed price for the cost of this change.

- 1) A breakdown of cost SHALL be provided upon request by the Owner or Engineer.
- 2) Work shall not commence until authorized by the Owner.

**Description of Proposed Change:**

Provide a cost proposal to provide the Interior Metal Liner Panels materials in the Boiler Room and Electrical Room of SCB2. Panel material shall be in accordance with the attached specification.

- 1. Cost proposal shall include a complete breakdown of material.
- 2. As agreed upon on Thursday August 23<sup>rd</sup>, 2018 the City will pay for the Interior Liner Panels and Apollo will pay for installation labor.

TODD JENSEN, PE, CCM

By

All work shall be in accordance with the terms, stipulations, and conditions of the original Contract Documents. If the work herein provided for is Approved by Change Order, the time of completion will be:

Increased     Decreased     Unchanged

by \_\_\_\_\_ calendar days.

This change will:  Add     Deduct     Not Change

**HDR Recommendation:**

- Recommend Acceptance
- Do Not Recommend Acceptance

By: HDR Engineering

Date

**Owner's Action:**

By: Owner

Date

**SECTION 07411**  
**PREFORMED METAL WALL PANELS**

**PART 1 - GENERAL**

**1.1 SUMMARY**

- A. Section Includes:
  - 1. Preformed metal wall panels.
- B. Related Sections include but are not necessarily limited to:
  - 1. Division 0 - Bidding Requirements, Contract Forms, and Conditions of the Contract.
  - 2. Division 1 - General Requirements.
  - 3. Section 05120 - Structural Steel.
  - 4. Section 07210 - Building Insulation.
  - 5. Section 07412 - Metal Roofing.

**1.2 QUALITY ASSURANCE**

- A. Referenced Standards:
  - 1. American Architectural Manufacturer's Association (AAMA):
    - a. 2605-02, Voluntary Specification, Performance Requirements and Test Procedures for Superior Performing Organic Coatings on Aluminum Extrusions and Panels.
  - 2. American Society of Civil Engineers (ASCE):
    - a. 7, Minimum Design Loads for Buildings and Other Structures.
  - 3. ASTM International (ASTM):
    - a. A653, Specification for Steel Sheet, Zinc-Coated (Galvanized) or Zinc-Iron Alloy-Coated (Galvannealed) by the Hot-Dip Process.
    - b. A924, Specification for General Requirements for Steel Sheet, Metallic-Coated by the Hot-Dip Process.
    - c. C236, Test Method for Steady-State Thermal Performance of Building Assemblies by Means of a Guarded Hot Box.
    - d. E72, Methods of Conducting Strength Tests of Panels for Building Construction.
    - e. E84, Test Method for Surface Burning Characteristics of Building Materials.
    - f. E283, Test Method for Determining the Rate of Air Leakage Through Exterior Windows, Curtain Walls, and Doors Under Specified Pressure Differences Across the Specimen.
    - g. E331, Test Method for Water Penetration of Exterior Windows, Curtain Walls, and Doors by Uniform Static Air Pressure Difference.
  - 4. Underwriters Laboratories, Inc. (UL):
    - a. Building Materials Directory.
    - b. Fire Resistance Directory.
  - 5. Provide all fabricated items complying with 2009 International Building Code.
- B. Qualifications:
  - 1. Installer shall be licensed or approved in writing by manufacturer.
  - 2. Installer shall have minimum of 10 years experience in the installation of metal wall panel systems similar to system specified.
  - 3. Installer shall have successfully completed two projects of similar size, scope and complexity within past 3 years.

**1.3 DEFINITIONS**

- A. Installer or Applicator: Installer or applicator is the person actually installing or applying the product in the field at the Project site.
  - 1. Installer or applicator are synonymous.

## **1.4 SYSTEM DESCRIPTION**

- A. Corrugated metal wall panels.

## **1.5 SUBMITTALS**

- A. Shop Drawings:
  - 1. See Section 01340.
  - 2. Fabrication and/or layout drawings:
    - a. Drawings, prepared by manufacturer, showing anchorage, flashing, jointing and any special detailing different from or not indicated on the Drawings.
  - 3. Product technical data including:
    - a. Acknowledgement that products submitted meet requirements of standards referenced.
    - b. Manufacturer's complete installation and erection instructions and details showing all accessories required.
- B. Miscellaneous Submittals:
  - 1. Installer qualifications and listing of projects completed in past three years.
  - 2. Letter of acceptance of Installer from manufacturer.
  - 3. Instructions on proper cleaning methods and materials for Owner reference.
  - 4. Warranty.
  - 5. Product data on insulation for field-insulated panels.
- C. Samples:
  - 1. For initial color selection, provide 2 IN x 3 IN panel samples for each color offered by manufacturer for Engineer's color selection.

## **1.6 WARRANTY**

- A. Provide listed manufacturer's standard 20-year warranty on panel finish against fading, chipping, cracking and peeling.

## **PART 2 - PRODUCTS**

### **2.1 ACCEPTABLE MANUFACTURER**

- A. Subject to compliance with the Contract Documents, the following manufacturers are acceptable:
  - 1. Corrugated metal wall panels:
    - a. AEP Span.
    - b. Berridge.
    - c. CENTRIA.
    - d. Merchant and Evans.
    - e. Reynolds Metals Company.
    - f. Fabral.
    - g. ASC Pacific.
- B. Submit requests for substitution in accordance with Specification Section 01640.

### **2.2 MATERIALS**

- A. Wall Panels:
  - 1. General:
    - a. Steel, ASTM A653, Structural Quality Grade 37.
    - b. Galvanized per ASTM A924 with G90 (1.25 OZ) coating.
- B. Perimeter Trim Pieces, Flashing, Fasteners, Subgirts and Supports:
  - 1. Steel.
- C. Fasteners: 300 Series stainless steel.

D. Sealant: Manufacturer's standard.

## 2.3 FABRICATION

### A. General:

1. Fabricate to shapes indicated on Drawings. Provide custom fabricated trim pieces as required.
2. Completely fabricate in shop and label all items for field assembly or, if approved in writing by Engineer, fabricate on-site using same equipment used in the fabrication shop.
3. System shall be designed for wind loading in accordance with ASCE 7-95 and the 2009 International Building Code.

### B. Panels:

1. Exterior panel:
  - a. Profile: "S" ribbed.
    - 1) Nominal 3 IN rib width, center to center.
    - 2) Similar to AEP Span, "Nu-Wave Corrugated" or Fabral, "7/8 IN Corrugated".
  - b. Gage: 24.
  - c. Width: 36 IN nominal.
  - d. Depth: 7/8 IN.
  - e. Finish: KYNAR based with minimum 70 percent KYNAR resin.
    - 1) Two-coat system with minimum 0.2 mil primer and 0.8 mil colored KYNAR top coat.
    - 2) Meet or exceed requirements of AAMA 2605-02.
    - 3) Smooth finish.
    - 4) Color: Refer to Part 3 for Schedule.
    - 5) Low gloss finish - maximum 10 percent gloss rating.
  - f. Fasteners: Painted to match wall panel.
2. Interior liner panels:
  - a. Gage: Minimum 22 GA.
  - b. Profile: Centria "Profile Series Liner Panel L-2."
  - c. Width: 24 IN nominal.
  - d. Finish: Factory applied 0.8 mil epoxy primer on both side of panel with 0.8 epoxy topcoat on exposed surface.
    - 1) Color: Centria #179 "Regal White."
    - 2) Smooth finish.
  - e. Maximum deflection: L/180.

## 2.4 MAINTENANCE MATERIALS

### A. Extra Materials:

1. Provide Owner with following extra materials:
  - a. One pint of touch-up paint for each color and each different finish specified.

## PART 3 - EXECUTION

### 3.1 EXAMINATION

- A. The Preformed Metal Wall Panels system will require special inspection under the City of Coeur d'Alene's Building Permit. The Engineer, or their designated subconsultant, will perform the special inspections in conformance with the requirements of the 2009 International Building Code. The Contractor shall coordinate all special inspections with the Engineer and ensure all work is safely available for Engineer's review throughout construction.

### 3.2 EXAMINATION

- A. Examine alignment of structural steel and/or panel support system prior to installation and do not proceed until any defects are corrected.

### **3.3 ERECTION AND INSTALLATION**

- A. Provide all closures, trim, angles, plates, caulking, gaskets, fasteners, washers, etc. as required for complete water and airtight installation.
- B. Install products in accordance with manufacturer's instructions.
- C. Remove all strippable coating and provide a dry wipe-down cleaning of the panels as they are erected.
- D. Tape all joints in vapor retarder. See Section 07210.
- E. Provide prefinished fasteners to match finish of panels where fasteners must be exposed.
- F. Touch up all damaged surfaces with paint supplied by panel manufacturer.
- G. Seal all joints using sealant recommended by panel manufacturer for water- and air-tight installation.
- H. Wall panel manufacturers shall be responsible for designing and installing necessary expansion joints in wall panel system.

### **3.4 COLOR SCHEDULE**

- A. Color No. 1: Similar to AEP Span "Forest Green."
- B. Color No. 2: Similar to AEP Span – “Weathered Copper.”

**END OF SECTION**



**/// BUILDING PEOPLE WHO BUILD GREAT THINGS**

**Change Proposal Request Summary**

Project: City of Coeur d'Alene Tertiary Treatment Phase 2  
 Apollo Inc.

CPR No: 31 Rev1

Date: 01/07/19

Description	Labor	Mat	Equip.	Subcont. Total	Supp Total	Total
SCB2 Interior Metal Wall Panels	\$ 207.00	\$ 11,314.13	\$ -	\$ -	\$ -	\$ 11,521.13
<b>SUBTOTAL COST &gt;</b>						<b>\$ 11,521.13</b>
Insurance Premium .5% - Changed Work >						\$ 57.61
Bond Premium .75% - Changed Work >						\$ 86.41
<b>TOTAL LUMP SUM COST &gt;</b>						<b>\$ 11,665.14</b>



**Change Proposal Request**  
**Project: City of Coeur d'Alene Tertiary Treatment Phase 2**  
**Apollo Inc.**

**CPR No:** 31 Rev1  
**Item No:** 1  
**Date:** 1/7/19

*Item Description: SCB2 Interior Metal Wall Panels*

Description	Qty	U of M	Rate	Labor	Unit	Rate	Mat	Unit	Rate	Equip.	Subcont. Total	Total
<b>APOLLO - PROJECT SUPERVISION COSTS</b>												
Project Manager	2.0	HR	\$ 90.00	\$ 180.00								\$ 180.00
Project Superintendent	0.0	HR	\$ 79.56	\$ -								\$ -
<b>APOLLO - MATERIAL COSTS</b>												
Metal Wall Panels	1.0				LS	\$ 8,497.75	\$ 8,497.75					\$ 8,497.75
Flashing	1.0				LS	\$ 572.15	\$ 572.15					\$ 572.15
Fasteners	1.0				LS	\$ 254.18	\$ 254.18					\$ 254.18
Angle	1.0				LS	\$ 514.29	\$ 514.29					\$ 514.29
Apollo - Subtotal Direct Costs >				\$ 180.00			\$ 9,838.37			\$ -		\$ 10,018.37
Markup on Self-Performed Labor, Mat'ls & Equipment >	15.0%			\$ 27.00			\$ 1,475.76			\$ -		\$ 1,502.76

<b>Contractor - Total Direct Costs w/Markup &gt;</b>	<b>\$ 11,521.13</b>
Insurance Premium .5% - Changed Work >	\$ 57.61
Bond Premium .75% - Changed Work >	\$ 86.41
<b>TOTAL LUMP SUM COST &gt;</b>	<b>\$ 11,665.14</b>



1133 W. UNIVERSITY WAY  
 ELLENSBURG, WA 98926  
 Ph : 509-962-5422 888-489-3228  
 Fax : 509-962-5442  
 www.matheuslumber.com

**Remit To:**  
 Matheus Lumber Company, Inc.  
 PO BOX 2260  
 WOODINVILLE, WA 98672

INVOICE NO:	INVOICE DATE:	DUE DATE:
51495-01	09/28/2018	11/12/2018
TERMS		
NET 45 DAYS		

# INVOICE

**SOLD TO:** APOLLO01/500  
 APOLLO INC.  
 PO BOX 7305  
 KENNEWICK, WA 99336  
 Ph: 509-586-1104 Fax: 509-582-6399

**SHIP TO:** 6044  
 COEUR D'ALENE WWTP  
 765 W HUBBARD  
 COEUR D'ALENE, ID 83814

Ship Date:	Routing:	Salesperson:	FOB:	Customer P.O. No.:
09/12/2018	OUR TRUCK	C. SMITH	DELIVERED	

QTY	UOM	ITEM#	DESCRIPTION	FOOTAGE	UNIT PRICE	AMOUNT
1,523	LF	66WALBREM (500)	FLUSH PANEL, 2 RIBS 22 G COOL R	1,523 LF	4.550/LF	6,929.65
10	EA	66WPRBACH (500)	7616, 51/13'	10 EA	22.690/EA	226.90
4	EA	66WPRBACH (500)	CUSTOM FLASHING 22 G COOL REGA	4 EA	47.950/EA	191.80
10	EA	66WPRBACH (500)	CUSTOM FLASHING 22 G COOL REGA	10 EA	18.960/EA	189.60
5	EA	66WPRBACH (500)	17703 1-1/8" 22 G COOL REGAL	5 EA	76.960/EA	384.80
1	EA	801RLEIGHT (500)	DELIVERY	1 EA	575.000/EA	575.00
				ED0000	0.0000 %	0.00

A Service Charge of 1.5% per Month will be applied to Past Due Balances.

FOOTAGE	SUB TOTAL	TAX	TOTAL AMOUNT
	8,497.75	0.00	8,497.75

### Important Terms

This invoice is subject to the Terms and Conditions of Sale attached to your Credit Application and/or set forth on the Matheus Company, Inc. website at [www.matheuslumber.com](http://www.matheuslumber.com), which terms and conditions are incorporated by reference herein. In the event of any conflict between any terms and conditions listed on this invoice and the Terms and Conditions of Sale, the Terms and Conditions of Sale shall control.

MATHEUS LUMBER COMPANY, INC. MAKES NO EXPRESS WARRANTIES, REPRESENTATIONS, OR ENDORSEMENTS AND DISCLAIMS ALL WARRANTIES, EXPRESSED OR IMPLIED, INCLUDING WITHOUT LIMITATION ANY WARRANTY OF MERCHANTABILITY OR OF FITNESS FOR ANY PARTICULAR PURPOSE

**ORIGINAL**

AIR TECH MECHANICAL COMPANY  
7820 FRANKLIN ST.

APOLLO, INC.

OCT 29 2018

COEUR D'ALENE, ID 83815  
Telephone: 208-772-6096

Fax: 208-772-6097

RECEIVED

INVOICE

Invoice Number: J003271  
Invoice Date: Oct 25, 2018  
Terms: Net 30  
Customer Code: APO113  
Reference #1: INV # 3271

Sales Cat/Slsmn: C/HSE

Job Number: 18-282  
Job Description: APOLLO BEND SHE  
Reference #2: INV # 3271

Sold To:

APOLLO INC.  
PO BOX 7305  
1133 W. COLUMBIA DRIVE  
KENNEWICK, WA  
99336  
Attn: BETTY THOMAS

Job Location:

S A M E

Attn: BETTY THOMAS

Description

Amount

FLASHING MATERIAL			
BEND WHITE SHEET METAL FLASHING FOR EARL STITELER- SEPT/OCT.			
MANHOURS SHOP TIME	9.00 @	\$45.00	405.00
WHITE SHEET METAL FLASHING MATERIAL			167.15

P162

- CONDITIONS -

Subtotal 572.15

Total Invoice 572.15



Remit to  
Fastenal Company  
P.O. Box 1288  
Winona, MN 55987-1288

**INVOICE**

Page 1 of 1

Cust. No. IDCOE1989  
Cust. P.O. p162  
Job No. rth - over  
Contract No.

For billing questions  
1807 N. 4th Street  
COEUR D'ALENE, ID 83814

Invoice Date  
09/06/2018

Invoice No.  
IDCOE75461

Invoice Total  
254.18 USD

Phone 208/664-1553  
Fax 208/765-3251

Due Date  
10/06/2018

**Sold To**

APOLLO INC  
1133 W COLUMBIA DR  
KENNEWICK, WA 98338-3472

**Ship To**

Picked up at branch  
1807 N. 4th Street  
COEUR D'ALENE, ID 83814

This Order and Document is subject to the "Terms of Purchase" posted on [www.fastenal.com](http://www.fastenal.com).

Line No	Quantity Ordered	Quantity Shipped	Quantity Backordered	Description	Control No.	Part No.	Price / Handled	Amount
1	600	600	0	1/2-20x3-5/8PH134xW	BLUJ2	1132087	20.4000	101.80
2	600	250	350	1/2-24x2 1/4 PH134xW	BLUJ2	1132090	24.1200	60.30
3	1,500	1,500	0	8995 COR5 8 X 3	P1000990	32177	2.4000	36.30
4	1	1	0	FA-3PC01 PakSec	108805	2110300	2,949.0000	29.99 T
5	1	1	0	Wypell IndWpc 75C1	K9M13R	0034770	1,899.0000	18.99 T

**Received By**

**Tax Exemption**

002682755-08

R

**Comments**

Contact Earl

Subtotal	254.18
Shipping & Handling	0.00
ID State Tax	3.00
County Tax	0.00
City Tax	0.00
<b>Total</b>	<b>254.18</b>

001180-000-0000119

Reasonable collection and attorneys fees will be assessed to all accounts placed for collection.

No materials accepted for return without our permission. All discrepancies must be reported within 10 days.

If you re-package or re-sell this product, you are required to maintain integrity of Country of Origin to the consumer of this product.

**Please pay from this invoice.**

Invoice: IDCOE75461 Cust: IDCOE1989

**CWaIA Building Materials Company**

**Please Remit To:**  
 CWaIA Building Materials Company  
 P.O. Box 748653  
 Los Angeles, CA 90074-8653

Sales: (509) 535-8637  
 Accts Receivable: (509) 343-8049  
 FAX (ATTN): (509) 343-8057  
 Email: credit@CWaIA.com  
 Web: www.CWaIA.com

Customer No: 013009

**Invoice #:** 633020

**Billed To:** APOLLO INC  
 1133 W COLUMBIA DR  
 PO BOX 7305  
 KENNEWICK, WA 99336

Invoice Date: 06/11/2018

Ship Via: WILL CALL

Ship Date: 06/11/2018

Shipment: 388455

**Shipped To:** BURKE  
 APOLLO  
 CDA, ID

Customer P.O.: P162

Order: S.O. #272258, Cust. PO P162

Job Name: 170138 - BURKE

Terms: NET 45 DAYS

\*Std Track lengths are 10', 12' &amp; 20'. Std Silled track lengths are 10' &amp; 12'.

All other lengths are Non-Std &amp; subject to \$75 setup charge per profile order under 1000 LF.

\*\*Orders under 1000 LF of Non-Std parts or lengths are subject to \$75 setup charge per profile - see Terms &amp; Conditions for other applicable charges.

#	Ordered	Shipped	Billed	Part Number	Product Description	Unit Price	Amount
1	15 EA	15 EA	150 LF	200AN200-43 U 10'	2" ANGLE 43ML G63 10' **Std in 10' lengths-see setup charge notes above	791.21 MLF	\$118.68

**Order Charge Detail**

Description	Amount	Energy	Amount
None		Order Charges:	\$0.00
		Sales Tax: 0.000 %	\$0.00
		<b>Invoice Total:</b>	<b>\$118.68</b>

**Invoice Comments**

None

Payment must be made according to the terms of the invoice. To induce prompt payment of the purchase price, a late payment charge in the amount of 2% per month of the amount due shall be paid by the purchaser.

**SUBJECT TO PRICES IN EFFECT AT TIME OF DELIVERY**

Standard merchandise can be returned only with our written authorization, and then subject to a 25% restocking and handling charge.

Non-standard merchandise returned will not be credited. No credits or deductions allowed without our permission.

ALL CLAIMS MUST BE MADE WITHIN 5 DAYS. Our liability for defective materials is limited to the value of the material only.

We thank you for this order.

Page: 1 of 1

**CWalla Building Materials Company**

**Please Remit To:**  
 CWaIA Building Materials Company  
 P.O. Box 748633  
 Los Angeles, CA 90074-8633

Sales: (509) 343-9637  
 Accts Receivable: (509) 343-9649  
 FAX (AR): (509) 343-9257  
 Email: credit@CWaIA.com  
 Web: www.CWaIA.com

Customer No: 013009

**Invoice #: 631949**

**Billed To:** APOLLO INC  
 1133 W COLUMBIA DR  
 PO BOX 7305  
 KENNEWICK, WA 99336

Invoice Date: 03/06/2018

Ship Via: WILL CALL

Ship Date: 03/05/2018

Shipment: 307465

Customer P.O.: p162

Order: S.O. #271360, Cust. PO p162

Job Name: 109385 - SHOP

Terms: NET 45 DAYS

**Shipped To:** APOLLO INC  
 1133 W COLUMBIA DR  
 PO BOX 7305  
 KENNEWICK, WA 99336

\*Std Track lengths are 10', 12' &amp; 20'. Std Slotted track lengths are 10' &amp; 12'.

All other lengths are Non-Std &amp; subject to \$75 setup charge per profile order under 1000 LF.

\*\*Orders under 1000 LF of Non-Std parts or lengths are subject to \$75 setup charge per profile - see Terms &amp; Conditions for other applicable charges.

#	Ordered	Shipped	Billed	Part Number	Product Description	Unit Price	Amount
1	50 EA	50 EA	500 LF	200NN200-43 U 10'	2" ANGLE 43MBL 060 10' **Std in 10' lengths-see setup charge notes above	791.21 MLF	\$395.61

**Order Charge Detail**

Description	Amount
None	\$395.61
Freight:	\$0.00
Order Charges:	\$0.00
Sales Tax: 0.000 %	\$0.00
<b>Invoice Total:</b>	<b>\$395.61</b>

**Invoice Comments**

None

Payment must be made according to the terms of the invoice. To induce prompt payment of the purchase price, a late payment charge in the amount of 2% per month of the amount due shall be paid by the purchaser.

**SUBJECT TO PRICES IN EFFECT AT TIME OF DELIVERY**

Standard merchandise can be returned only with our written authorization, and then subject to a 25% restocking and handling charge.

Non-standard merchandise returned will not be credited. No credits or deductions allowed without our permission.

ALL CLAIMS MUST BE MADE WITHIN 5 DAYS. Our liability for defective materials is limited to the value of the material only.

We thank you for this order.

Page: 1 of 1

CPR 032

SCB2 FLOOR HARDENER – EPOXY





October 10, 2018

Apollo, Inc.  
1133 West Columbia Drive  
Kennewick, WA 99336

Attn: Amy Jenne

Re: Coeur d'Alene Tertiary Treatment Phase 2 project  
CPR 032 – SCB2 Floor Sealer  
Engineer's Decision

Amy,

We have reviewed your credit proposal for CPR 032 – SCB2 Floor Sealer. We have found your submitted credit proposal to be acceptable.

A total credit of \$3,219.82 and a total of 0 calendar days will be included in the forthcoming final Change Order.

Sincerely,  
HDR Engineering, Inc.

A handwritten signature in blue ink, appearing to read 'Todd Jensen'.

Todd Jensen, PE, CCM  
*Construction Manager*

cc: Jim Remitz – City of Coeur d'Alene Wastewater Department  
Rickey Schultz – HDR  
Mike Soucie – HDR  
Mary Scalise – HDR



Change Proposal Request No: 032

(Not a Change Order)

**Project Name:**  
CDA Tertiary Ph 2 Improvements

**Project Owner:**  
City of Coeur d'Alene, Idaho

**HDR Project No:**  
10053342

**Owner's Project No. (If applicable):**

**Contractor:**  
Apollo, Inc

**Regulatory Agency Project No. (If applicable):**

**Initiated by:** Engineer

**Date:** 09/05/2018

**Attention:**

The following change in the contract on this project is proposed. Please provide your proposed price for the cost of this change.

- 1) A breakdown of cost SHALL be provided upon request by the Owner or Engineer.
- 2) Work shall not commence until authorized by the Owner.

**Description of Proposed Change:**

Provide a cost proposal to delete, with credit, the epoxy coating on the floor of the 'Pump Room' in SCB2. Cost proposal shall include the cost to apply the product at the following link to the floors of the 'Pump Room', 'Boiler Room', and 'Electrical Room'.

<https://www.wrmeadows.com/pe/244-100-water-repellant-penetrating-sealer/#ds>

- 1. Cost proposal with credits shall include a complete breakdown of material and labor costs.
- 2. Cost proposal shall include restocking fees for materials already purchased if applicable.

TODD JENSEN, PE, CCM

By \_\_\_\_\_

All work shall be in accordance with the terms, stipulations, and conditions of the original Contract Documents. If the work herein provided for is Approved by Change Order, the time of completion will be:

Increased     Decreased     Unchanged

by \_\_\_\_\_ calendar days.

This change will:  Add     Deduct     Not Change

**HDR Recommendation:**

- Recommend Acceptance
- Do Not Recommend Acceptance

By: HDR Engineering

Date \_\_\_\_\_

**Owner's Action:**

By: Owner

Date \_\_\_\_\_



**/// BUILDING PEOPLE WHO BUILD GREAT THINGS**

**Change Proposal Request Summary**  
 Project: City of Coeur d'Alene Tertiary Treatment Phase 2  
 Apollo Inc.

CPR No: \_\_\_\_\_ CPR No: 32  
 Date: \_\_\_\_\_ Date: 09/07/18

Description	Labor	Mat	Equip.	Subcont. Total	Supp Total	Total
SCB2 Floor Hardener - Epoxy	\$ 918.71	\$ 402.50	\$ 115.00	\$ (4,680.00)	\$ 23.97	\$ (3,219.82)
<b>SUBTOTAL COST &gt;</b>						<b>\$ (3,219.82)</b>
Insurance Premium .5% - Changed Work >						\$ -
Bond Premium .75% - Changed Work >						\$ -
<b>TOTAL LUMP SUM COST &gt;</b>						<b>\$ (3,219.82)</b>

Change Proposal Request  
 Project: City of Coeur d'Alene Tertiary Treatment Phase 2  
 Apollo Inc.

CPR No: 32  
 Item No: 1  
 Date: 9/7/18

Item Description: SCB2 Floor Hardener - Epoxy

Description	Qty	U of M	Rate	Labor	Unit	Rate	Mat	Unit	Rate	Equip.	Subcont. Total	Total
<b>APOLLO - PROJECT SUPERVISION COSTS</b>												
Project Manager	1.0	HR	\$ 90.00	\$ 90.00								\$ 90.00
Project Superintendent	2.0	HR	\$ 79.56	\$ 159.12								\$ 159.12
Yard Piping / Site Earthwork Super	0.0	HR	\$ 68.08	\$ -								\$ -
<b>APOLLO - CRAFT LABOR COSTS</b>												
<b>Laborers</b>												
General	20.0	HR	\$ 34.36	\$ 687.20								\$ 687.20
General (specified sealer)	-4.0	HR	\$ 34.36	\$ (137.44)								\$ (137.44)
<b>APOLLO - OTHER EQUIPMENT COSTS</b>												
Buffing Machine	1.0							WK	\$ 100.00	\$ 100.00		\$ 100.00
										\$ -		\$ -
<b>APOLLO - MATERIAL COSTS</b>												
Hardener	1.0				LS	\$ 500.00	\$ 500.00					\$ 500.00
Sealer	1.0				LS	\$ (150.00)	\$ (150.00)					\$ (150.00)
Apollo - Subtotal Direct Costs >				\$ 798.88		\$ 350.00			\$ 100.00			\$ 1,248.88
Markup on Self-Performed Labor, Mat'ls & Equipment >	15.0%			\$ 119.83		\$ 52.50			\$ 15.00			\$ 187.33
<b>SUBCONTRACTOR COSTS</b>												
ECI											\$ (4,680.00)	\$ (4,680.00)
Subtotal Subcontractors Costs >											\$ (4,680.00)	\$ (4,680.00)
Markup on Subcontractor Costs >	0.0%										\$ -	\$ -
<b>SUPPLEMENTAL COSTS</b>												
Special Consultants											\$ -	\$ -
Subsistence for Project Supervision					HR	\$ 11.25	\$ -					\$ -
Temporary Facilities at the Site					LS	\$ -	\$ -					\$ -
Small Tools	1.0				LS	\$ 23.97	\$ 23.97					\$ 23.97
Subtotal Supplementary Costs >						\$ 23.97					\$ -	\$ 23.97
Markup on Supplementary Costs >	0.0											

Contractor - Total Direct Costs w/Markup > \$ (3,219.82)

Insurance Premium .5% - Changed Work > \$ -

Bond Premium .75% - Changed Work > \$ -

**TOTAL LUMP SUM COST > \$ (3,219.82)**

CPR 033

TMF GANTRY CRANE



August 1, 2019

Apollo, Inc.  
1133 West Columbia Drive  
Kennewick, WA 99336

Attn: Amy Jenne

Re: Coeur d'Alene Tertiary Treatment Phase 2 project  
CPR 033 – TMF Gantry Crane  
Engineer's Decision

Amy,

We have reviewed your final cost proposal for CPR 033 TMF Gantry Crane. We have found your submitted final cost proposal to be acceptable. Final costs were determined on a time and materials (T&M) basis.

The initial not to exceed total cost for the gantry crane that was included in Change Order No. 1 was 534,930.17. The amount billed to date for the gantry crane work is \$411,762.10. The amount of this cost proposal was \$51,182.47 for a total cost of \$462,944.57. The difference between \$534,930.17 and \$462,944.57 is \$71,985.60. A credit of \$71,985.60 will be included in the forthcoming final Change Order.

Sincerely,  
HDR Engineering, Inc.

Todd Jensen, PE, CCM  
*Construction Manager*

cc: Mike Anderson – City of Coeur d'Alene Wastewater Department  
Rickey Schultz – HDR  
Mike Soucie – HDR  
Mary Scalise – HDR



**/// BUILDING PEOPLE WHO BUILD GREAT THINGS**

**Change Proposal Request Summary**  
 Project: City of Coeur d'Alene Tertiary Treatment Phase 2  
 Apollo Inc.

CPR No: \_\_\_\_\_ CPR No: 33  
 Date: \_\_\_\_\_ Date: 06/27/19

**Final CPR 33 Billing**

Description	Labor	Mat	Equip.	Subcont. Total	Supp Total	Total
Gantry Crane	\$ 13,778.47	\$ 5,995.16	\$ 13,716.79	\$ 16,700.73	\$ 359.44	\$ 50,550.59
<b>SUBTOTAL COST &gt;</b>						<b>\$ 50,550.59</b>
Insurance Premium .5% - Changed Work >						\$ 252.75
Bond Premium .75% - Changed Work >						\$ 379.13
<b>TOTAL LUMP SUM COST &gt;</b>						<b>\$ 51,182.47</b>



**Change Proposal Request**  
**Project: City of Coeur d'Alene Tertiary Treatment Phase 2**  
**Apollo Inc.**

CPR No: 33  
 Item No: 1  
 Date: 6/27/19

Item Description: *Gantry Crane*

Description	Qty	U of M	Rate	Labor	Unit	Rate	Mat	Unit	Rate	Equip.	Subcont. Total	Total
<b>APOLLO - PROJECT SUPERVISION COSTS</b>												
Project Manager	0.0	HR	\$ 90.00	\$ -								\$ -
Project Superintendent	40.0	HR	\$ 79.56	\$ 3,182.40								\$ 3,182.40
Yard Piping /Site Earthwork Super	90.0	HR	\$ 68.08	\$ 6,127.20								\$ 6,127.20
<b>APOLLO - CRAFT LABOR COSTS</b>												
<b>Carpenters</b>												
Carpenter	16.0	HR	\$ 38.37	\$ 613.92								\$ 613.92
<b>Laborers</b>												
General	6.0	HR	\$ 34.36	\$ 206.16								\$ 206.16
Structural Welder/Iron Worker				\$ -								\$ -
	24.0	HR	\$ 69.51	\$ 1,668.24								\$ 1,668.24
<b>APOLLO - OPERATED EQUIPMENT</b>												
+ Operator	0.0	HR	\$ 45.84	\$ -								\$ -
+ Operating Costs	4.0							HRLY	\$ 19.42	\$ 77.68		\$ 77.68
<b>Finish Blade</b>												
+ Operator	2.0	HR	\$ 45.84	\$ 91.68								\$ 91.68
+ Operating Costs	2.0							HRLY	\$ 122.39	\$ 244.78		\$ 244.78
<b>Forklift - CAT TH83</b>												
+ Operator	0.0	HR	\$ 45.84	\$ -								\$ -
+ Operating Costs	8.0							HRLY	\$ 39.59	\$ 316.72		\$ 316.72
<b>Loader - CAT 950H</b>												
+ Operator	2.0	HR	\$ 45.84	\$ 91.68								\$ 91.68
+ Operating Costs	2.0							HRLY	\$ 73.23	\$ 146.46		\$ 146.46
<b>APOLLO - OTHER EQUIPMENT COSTS</b>												
Welder	1.0							DY	\$ 250.00	\$ 250.00		\$ 250.00
Manlift	2.0							WK	\$ 2,150.00	\$ 4,300.00		\$ 4,300.00
Crane Rental	1.0							LS	\$ 6,592.00	\$ 6,592.00		\$ 6,592.00
<b>APOLLO - MATERIAL COSTS</b>												
Misc. Mats	1.0				LS	\$ 184.73	\$ 184.73					\$ 184.73
Concrete	35.0				LS	\$ 3,448.45	\$ 3,448.45					\$ 3,448.45
Rock	65.0				LS	\$ 12.00	\$ 780.00					\$ 780.00
Relocate Yard Hydrants	1.0				LS	\$ 800.00	\$ 800.00					\$ 800.00
Apollo - Subtotal Direct Costs >				\$ 11,981.28		\$ 5,213.18			\$ 11,927.64			\$ 29,122.10
Markup on Self-Performed Labor, Mat'ls & Equipment >	15.0%			\$ 1,797.19		\$ 781.98			\$ 1,789.15			\$ 4,368.32
<b>SUBCONTRACTOR COSTS</b>												
ECI Touch-up	1.0										\$ 500.00	\$ 500.00
MSE	0.5										\$ 10,577.00	\$ 5,288.50
MSE Added Light Pole	1.0										\$ 3,415.00	\$ 3,415.00
Five Star	1.0										\$ 2,617.58	\$ 2,617.58
Saw Cut	1.0										\$ 84.38	\$ 84.38
ACP	0.0										\$ 9,250.00	\$ -
Rebar Slab	1.0										\$ 4,000.00	\$ 4,000.00
Subtotal Subcontractors Costs >											\$ 30,443.96	\$ 15,905.46
Markup on Subcontractor Costs >	5.0%										\$ 1,522.20	\$ 795.27
<b>SUPPLEMENTAL COSTS</b>												
Special Consultants											\$ -	\$ -
Small Tools	1.0				LS	\$ 359.44	\$ 359.44					\$ 359.44
Subtotal Supplementary Costs >						\$ 359.44					\$ -	\$ 359.44
Markup on Supplementary Costs >	0.0											\$ -

Billed 50% Previously

ACP will be paid in WCD 38

Contractor - Total Direct Costs w/Markup >	\$ 50,550.59
Insurance Premium .5% - Changed Work >	\$ 252.75
Bond Premium .75% - Changed Work >	\$ 379.13
<b>TOTAL LUMP SUM COST &gt;</b>	<b>\$ 51,182.47</b>



...Building People Who Build Great Things

# Daily Report of Force Account Worked

Contract Number	Date	Item Number	Item Name <b>CPR # 33</b>
Prime Contractor		Subcontractor / Lower Tier Subcontractor	
Line / Station	Group	Basis of Material Acceptance	RAMS Number
Description of Work Performed <b>Prep <del>and</del> HMA and R+R Rebar slab</b>			

Time Worked Record							
	Workers and/or Equipment Working	Occupation of Workers or Equipment Size	Hours Worked		Reg. Rate	O.T. Rate	Amount
			Reg.	O.T.			
1	Tom O'Neil		2				
2	Mark Thomas	Operator (Finish Blade)	2				
3	Al Pivo	Laborer (concrete)	2				
4	Wylie Jenne	Laborer (grade checker)	2				
5	Ryan HANA	Oper. Loader	2				
6							
7	CAT Rentals						
8	938 Loader						
9	305 mini ex						
10	Roller						
11							
12	Sun belt Rentals						
13	20016 plate wacker						
14							
15	Remove and Replace Rebar.						
16	Mike Pulcney	Iron worker	8				
17	James Power	Iron worker	8				
18	Re compact grade.						
19	Al Pivo	Laborer (concrete)	2				
20							
Calculated By		Date	Checked By		Date	Total	

Ledger Entry Number	Entered By	Date	Entry Verified	Date
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Inspector's Signature	Contractor's Representative Signature	Title
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...Building People Who Build Great Things

CPR 33

### Daily Report of Force Account Worked

Contract Number	Date	Item Number	Item Name
Prime Contractor		Subcontractor / Lower Tier Subcontractor	
Line / Station	Group	Basis of Material Acceptance	RAMS Number
Description of Work Performed			

#### Time Worked Record

	Workers and/or Equipment Working	Occupation of Workers or Equipment Size	Hours Worked		Reg. Rate	O.T. Rate	Amount
			Reg.	O.T.			
1	Carpenter	Form Slab	16	✓			
2							
3		Yard Hydrants					
4	Craig		4	✓			
5	Chris		4	✓			
6	Mini Ex						
7							
8		Stop Plates					
9	Acctor		8	✓			
10	Welder		8	✓			
11							
12	EOT ✓						
13							
14							
15							
16							
17							
18							
19							
20							

Calculated By	Date	Checked By	Date	Total
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Ledger Entry Number	Entered By	Date	Entry Verified	Date
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Inspector's Signature	Contractor's Representative Signature	Title
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8849 W Wyoming Rd  
Rathdrum, ID 83858

Customer No: 10358  
Invoice No: 416403  
Inv Date: 04/24/19  
Page: Page 1 of 1

Customer Job: EXT SLAB

Apollo Inc.-East  
AP Megan megan.sibley@apollo-gc.com  
PO Box 7305  
Kennewick WA 99336

Interstate Concrete & Asphalt  
8849 W Wyoming Rd  
Rathdrum, ID 83858  
208-765-1144

incap@apollo-gc.com

Delivered To: 765 W HUBBARD AVE - CDA

Ordered By: TONY

Date	Code - Material Description	QTY	UM	Unit Price	Haul QTY	Matl Total	Haul Total	Tax	Total
<b>Plant: 05709 ICA-CDA-Wyomng Rd/Rath Concret</b>									
04/24/19	308667 - 6.5 SK 3/4" EXTERIOR, WRA	35.00	CY	89.95	0.00	3,148.25	0.00	188.90	3,337.15
04/24/19	467755 - FUEL SURCHARGE	4.00	EA	0.00	0.00	0.00	0.00	0.00	0.00
04/24/19	487000 - ENVIRONMENTAL SURCHARGE	35.00	EA	3.00	0.00	105.00	0.00	6.30	111.30
Total Invoice:		74.00				3,253.25	0.00	195.20	3,448.45

Ticket number(s) shipped from plant 05709 - ICA-CDA-Wyomng Rd/Rath Concret  
\*3489163 \*3489174 \*3489183 \*3489200

Invoice Taxing Authority Summary:

ID0000 Idaho State Tax 195.20

Our Customer Portal is now available! Register at MYMATERIALSPORTAL.COM or call accounts receivable at (509) 534-6221 for assistance.

Finance Charges will be applied to any late invoices at a rate of 1.5% per month per credit agreement or the State's Lawful Amount

Invoice Amount: 3,448.45

Amount Paid: \_\_\_\_\_

Customer Name: Apollo Inc.-East  
Customer No: 10358  
Invoice #: 416403  
Date: 04/24/19  
Customer Job: EXT SLAB  
Due Date: 05/10/19

If you have any questions about your invoice please call 208-765-1144

Remit Payment To: Interstate Concrete & Asphalt  
P.O. Box 742347  
Los Angeles, CA 90074

Please provide your email address below if you would like to start receiving your invoices via email





Commercial Account



Remit payment and make checks payable to: HOME DEPOT CREDIT SERVICES DEPT. 32 - 2541949065 PO BOX 9001043 LOUISVILLE, KY 40290-1043

# INVOICE DETAIL

BILL TO:  
Acct: 6035 3225 4194 9065  
APOLLO INC

Amount Due:	Trans Date:	DUE DATE:	Invoice #:
\$141.86	12/18/18	01/11/19	6040659
PO: D166		Store: 4746, RICHLAND, WA	

PRODUCT	SKU #	QUANTITY	UNIT PRICE	TOTAL PRICE
D27 2 YR HDPP REPLACE \$25 -\$49.99	00007338180002300008	1.0000 EA	\$7.00	\$7.00
6-1/4" WIRE STRIPPER/CUTTER	00005760070001100003	1.0000 EA	\$11.93	\$11.93
VOLT/CONTINUITY TESTR W/ VIBRATION	00003653530001100004	1.0000 EA	\$39.95	\$39.95
1-1/2" SOLID ALUMINUM W/ 2" (2 PK)	00005766380000500002	1.0000 EA	\$19.99	\$19.99
15A WEATHER/TAMPER GFCI, WHITE	10013708240000200003	1.0000 EA	\$21.63	\$21.63
STOPS RUST GLOSS CHERRY	10010738450000300004	1.0000 EA	\$4.25	\$4.25
STOPS RUST GLOSS CHERRY	10010738450000300004	1.0000 EA	\$4.25	\$4.25
15A WEATHER/TAMPER GFCI, WHITE	10013708240000200003	1.0000 EA	\$21.63	\$21.63

Purchased by: GRNYA STEVE  
Customer #: 00021

<b>SUBTOTAL</b>	\$130.63
<b>TAX</b>	\$11.23
<b>TOTAL</b>	\$141.86

BILL TO:  
Acct: 6035 3225 4194 9065  
APOLLO INC

Amount Due:	Trans Date:	DUE DATE:	Invoice #:
\$184.73	12/20/18	01/11/19	4013689
PO: P162GANTRY		Store: 1803, COEUR D'ALENE, ID	

PRODUCT	SKU #	QUANTITY	UNIT PRICE	TOTAL PRICE
QUICKIE MICROFIBER TOWELS 24PK	00005457290000400020	1.0000 EA	\$9.98	\$9.98
QUICKIE PRO MICROFIBER TOWEL 16-PK	10020880550000400020	1.0000 EA	\$5.97	\$5.97
RAINX -25 WINDSHIELD DEICER	10023394010003100010	1.0000 EA	\$3.47	\$3.47
RAINX -25 WINDSHIELD DEICER	10023394010003100010	1.0000 EA	\$3.47	\$3.47
RAINX -25 WINDSHIELD DEICER	10023394010003100010	1.0000 EA	\$3.47	\$3.47
4X4-12FT #2/BTR PRIME DOUG FIR	00006037590000300003	10.0000 EA	\$12.95	\$129.50
RAINX -25 WINDSHIELD DEICER	10023394010003100010	1.0000 EA	\$3.47	\$3.47
HDX ALL PURPOSE WIDE MOUTH SPRAYER	10000505630000400005	1.0000 EA	\$2.00	\$2.00
RAINX -25 WINDSHIELD DEICER	10023394010003100010	1.0000 EA	\$3.47	\$3.47
RAINX -25 WINDSHIELD DEICER	10023394010003100010	1.0000 EA	\$3.47	\$3.47
HDX ALL PURPOSE WIDE MOUTH SPRAYER	10000505630000400005	1.0000 EA	\$2.00	\$2.00
HDX ALL PURPOSE WIDE MOUTH SPRAYER	10000505630000400005	1.0000 EA	\$2.00	\$2.00
HDX ALL PURPOSE WIDE MOUTH SPRAYER	10000505630000400005	1.0000 EA	\$2.00	\$2.00

Purchased by: BURKE KEVIN  
Customer #: 00011

<b>SUBTOTAL</b>	\$174.27
<b>TAX</b>	\$10.46
<b>TOTAL</b>	\$184.73

BILL TO:  
Acct: 6035 3225 4194 9065  
APOLLO INC

Amount Due:	Trans Date:	DUE DATE:	Invoice #:
\$128.66	12/20/18	01/11/19	4042257
PO: I304		Store: 4739, KENNEWICK, WA	

PRODUCT	SKU #	QUANTITY	UNIT PRICE	TOTAL PRICE
CODE ONEBATTERY OPERATED CARBON MO	00001848040000500014	1.0000 EA	\$17.97	\$17.97
CODE ONEBATTERY OPERATED CARBON MO	00001848040000500014	1.0000 EA	\$17.97	\$17.97
CODE ONEBATTERY OPERATED CARBON MO	00001848040000500014	1.0000 EA	\$17.97	\$17.97
3" CONSTRUCTION SCREW 25 LB	10021357000000300010	1.0000 EA	\$46.59	\$46.59

continued →

906516

Remit To Address:  
 Dept. 1906, P.O. Box 2153  
 Birmingham, AL 35287-1906  
 Phone: (509) 939-7060  
 Fax: (901) 775-2992



DUPLICATE

Invoice: **43327 - CD99061062**  
 Invoice Date: Monday, December 31, 2018  
 Customer: APOLLO, INC.  
 Order No: C62200  
 Project No:  
 Project Site: APOLLO, INC.  
 CDA WASTE WATER TREATMENT  
 Coeur d'Alene ID 83854  
 Kootenai

APOLLO, INC.  
 ACCTS PAYABLE: EMAIL  
 1133 WEST COLUMBIA DRIVE  
 KENNEWICK, WA 99336  
 UNITED STATES

Salesperson:

---

Terms: Net Due in 30 Days Due Date: 01/30/19  
 Customer P.O. No:  
 Work Performed:

---

Date	Description	Qty	Unit Meas	Price	Tax %	Total (Excl Tax)
12/28/18 -	CRANE - Unit #1643	8	EA	\$ 315.00	0 %	\$ 2,520.00
12/28/18 -	RIGGER - Rigger	8	EA	\$ 85.00	0 %	\$ 680.00
12/28/18 -	3% Fuel Charge	1	EA	\$ 96.00	0 %	\$ 96.00
<b>Sub Total Amount</b>						<b>\$ 3,296.00</b>
Total Exclusive Tax						\$ 3,296.00
Total Tax						\$ 0.00
Invoice Amount to Pay						\$ 3,296.00
<b>Total Invoice Amount to Pay</b>						<b>\$ 3,296.00</b>

THANK YOU FOR YOUR BUSINESS

Remit To Address:

Dept. 1906, P.O. Box 2153  
Birmingham, AL 35287-1906  
Phone: (509) 939-7060  
Fax: (901) 775-2992



**Invoice: 43327 - CD99059950**  
Invoice Date: Friday, December 28, 2018  
Customer: APOLLO, INC.  
Order No: C62200  
Project No:  
Project Site: APOLLO, INC.  
CDA WASTE WATER TREATMENT  
Coeur dAlene ID 83854  
Kootenai

APOLLO, INC.  
ACCTS PAYABLE: EMAIL  
1133 WEST COLUMBIA DRIVE  
KENNEWICK, WA 99336  
UNITED STATES

Salesperson:

Terms: Net Due in 30 Days

Due Date: 01/27/19

Customer P.O. No:

Work Performed:

Date	Description	Qty	Unit Meas	Price	Tax %	Total (Excl Tax)
12/12/18 -	CRANE - Unit #1643	8	EA	\$ 315.00	0 %	\$ 2,520.00
12/12/18 -	RIGGER - Rigger	8	EA	\$ 85.00	0 %	\$ 680.00
12/12/18 -	3% Fuel Charge	1	EA	\$ 96.00	0 %	\$ 96.00
<b>Sub Total Amount</b>						<b>\$ 3,296.00</b>
<b>Total Exclusive Tax</b>						<b>\$ 3,296.00</b>
<b>Total Tax</b>						<b>\$ 0.00</b>
<b>Invoice Amount to Pay</b>						<b>\$ 3,296.00</b>
<b>Total Invoice Amount to Pay</b>						<b>\$ 3,296.00</b>

THANK YOU FOR YOUR BUSINESS

APOLLO MECHANICAL

JAN 09 2018

RECEIVED





**TIME and MATERIAL COST**

Request No: 35a

To: CITY OF CDA - WWTP

Date Of Proposal: 5/10/2019

Job #: 17-010

Regarding: CPR-033

Job Name: CDA TERITARY TREATMENT PHASE 2

Attention: \_\_\_\_\_

Work To Be Done: PER CPR-033

AS DIRECTED - SUPPLY AND INSTALL ADDITIONAL YARD LIGHT

**LABOR CLASSIFICATION**

	<u>RATES</u>			<u>HOURS</u>			<u>EXTENDED</u>
	STRAIGHT	OVERTIME	DBL TIME	STRAIGHT	OVERTIME	DOUBLE TIME	
FOREMAN	\$ 70.99	\$ 95.14	\$ 119.29	4.00			\$ 283.96
JOURNEYMAN	\$ 66.50	\$ 88.47	\$ 110.40				\$ -
APPRENTICE	\$ 41.14	\$ 64.50	\$ 90.55				\$ -
PROJECT MANAGER	\$ 85.00						\$ -
<b>LABOR SUB TOTAL</b>							<b>\$ 283.96</b>

**EQUIPMENT**

COST + 15%	<u>RATES</u>				<u>EXTENDED</u>
	HOUR	DAY	WEEK	MONTH	
<b>TOOL SUB TOTAL</b>					<b>\$ -</b>

**MATERIAL**

COST + 15%	<u>EXTENDED</u>	
LIGHT POLE AND FIXTURE	\$ 2,723.10	
<b>MATERIAL SUB TOTAL</b>		<b>\$ 3,131.57</b>

**SUB-CONTRACTOR**

COST + 15%	<u>EXTENDED</u>	
<b>SUB-CONTRACTOR SUB TOTAL</b>		<b>\$ -</b>

**Total Proposed Change Order price: \$ 3,415.53**

Submitted By: DAVE PERRINS, Project Manager Date: 5/10/2019

Approved By: \_\_\_\_\_ Date: \_\_\_\_\_

Title \_\_\_\_\_



STONEWAY ELECTRIC SUPPLY  
WHOLESALE DISTRIBUTOR



# Acknowledgement

STONEWAY ELECTRIC  
402 NORTH PERRY ST  
SPOKANE, WA 99202-2921  
509-535-2933  
Fax 509-534-4512

ORDER DATE	ORDER NUMBER	PAGE NO.
01/11/2019	S102636307.001	
Remit to: STONEWAY ELECTRIC PO BOX 4037 SPOKANE, WA 99220-0037 509-535-2933		1 of 1

SOLD TO:

SHIP TO:

MOUNTAIN STATES ELECTRICAL CONT INC  
PO BOX 4325  
SPOKANE, WA 99220-0325

MOUNTAIN STATES ELE CONT -  
1220 E 1ST AVE  
SPOKANE, WA 99202-2106

CUSTOMER NUMBER	CUSTOMER PO NUMBER	JOB NAME / RELEASE NUMBER	ORDERED BY	
42642	CDA WWTP - ADD POLE		DAVE P	
WRITER	SHIP VIA	TERMS	SHIP DATE	FREIGHT ALLOWED
DAN KECK	WILL CALL		03/08/2019	No
ORDER QTY	DESCRIPTION	UNIT PRICE	EXT PRICE	
	<b>SHIPPING INSTRUCTIONS</b>			
	SEE DAN KECK WHEN IN			
1ea	LUMINIS MA10-L2W30R1-208V-BZT-R4-PDA LED FIXTURE, TYPE 4 DISTRIBUTION, 92 WATT AT 6679 LMS. 208V, BRONZE, STRUT ARM MTG. *** Non-Returnable Item ***	979.641/ea	979.64	
1ea	LUMINIS PAA416-BZT 4 INCH ROUND POLE ALUMINUM POLE. 16 FOOT TALL, BRONZE *** Non-Returnable Item ***	820.359/ea	820.36	
1ea	INCOMING FREIGHT CHARGE *** CUSTOMER TO PAY ***	0.000/ea	0.00	
		Subtotal	1800.00	
		S&H Charges	923.10	
		Tax	0.00	
		Amount Due	2723.10	

Five Star Concrete Inc.

4307 S Fossean Rd  
Spokane WA 99224



# Invoice

Date	Invoice #
4/30/2019	06-002-3903

Bill To
Apollo Inc. PO Box 7305 1133 W Columbia Dr. Kennewick WA 99336

P.O. No.	Terms	Project

Description	Unit of Measure	Qty	Rate	Amount
WWTP Place and finish 1,745SF of 6" concrete  Subgrade/gravel preparation by others. General to provide adequate survey, staking/layout, testing and traffic control. Excludes cold weather protection/placement. Final quantities to be field measured. Price is to place and finish only.	LS	1	5,235.00	5,235.00
Thank you for your business.			<b>Total</b>	\$5,235.00

Phone #	Fax #	E-mail
509-226-1189	509-226-1159	fivestar@5starconcrete.com



Post Office Box 6227 \* Spokane, Washington 99217-0904 \* (509) 489-0900 \* Fax (509) 489-0959

Apollo Inc.  
 P.O. Box 7305  
 Kennewick, WA. 99336

Date: 9/12/2018  
 Invoice # 223691  
 P.O. No.

Location/Jobsite: W.W.T.P  
 C d'A, ID

Terms: Due on receipt

Item	Description	Qty	Rate	Amount
SSA	800 Lin In Ft Asphalt W/Labor Slab Sawing	800	0.30	240.00
TRAVEL		1	30.00	30.00

APOLLO, INC.  
 SEP 17 2018  
 RECEIVED

Subtotal	\$270.00
Sales Tax (0.0%)	\$0.00
<b>Balance Due</b>	<b>\$270.00</b>

Please Pay From Invoice! Visa & Master Card Gladly Accepted!

CPR 034

VOID

CPR 035

PC1 CORROSION RENOVATION



August 12, 2019

Apollo, Inc.  
1133 West Columbia Drive  
Kennewick, WA 99336

Attn: Amy Jenne

Re: Coeur d'Alene Tertiary Treatment Phase 2 project  
CPR 035 – PC1 Corrosion  
Engineer's Decision

Amy,

We have reviewed your cost proposal for CPR 035 – PC1 Corrosion. As acknowledged in your January 30, 2019 e-mail (attached), the work will be performed on a Time and Materials (T&M) basis with a not to exceed (NTE) amount of \$62,854.07. Following completion of the work, T&M records showed a total cost of \$53,538.85. We have found your submitted cost proposal to be acceptable.

A total cost of \$53,538.85 (adjusted amount based on T&M) and a total of 60 calendar days to the Substantial Completion date (March 1, 2019 to May 1, 2019) and 30 calendar days to the Final Completion date (May 1, 2019 to June 1, 2019) will be included in the forthcoming final Change Order.

Sincerely,  
HDR Engineering, Inc.

Todd Jensen, PE, CCM  
*Construction Manager*

cc: Jim Remitz – City of Coeur d'Alene Wastewater Department  
Rickey Schultz – HDR  
Mike Soucie – HDR  
Mary Scalise – HDR



## Jensen, Todd

---

**From:** Amy Jenne <Amy.Jenne@apollo-gc.com>  
**Sent:** Wednesday, January 30, 2019 10:00 AM  
**To:** Jensen, Todd  
**Subject:** CDA Tertiary CPR 354  
**Attachments:** CPR35Final.pdf

Hi Todd,

Attached is our cost proposal for the work included in CPR 35. Apollo, Mountain States and Control Freak have all provided and would agree to T&M with NTE proposal for this work.

This work will require a 60-day time extension to the substantial completion (5/1/19) of the project and a 30-day time extension to the final completion of the project (6/1/19).

Attached is an email from our Safety director who we had evaluate the black mold remediation. For your information we have included pressure washing per their recommendation.

Please let me know if you have any questions. Thanks.

Amy

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**/// BUILDING PEOPLE WHO BUILD GREAT THINGS**

**Change Proposal Request Summary**  
 Project: City of Coeur d'Alene Tertiary Treatment Phase 2  
 Apollo Inc.

CPR No: \_\_\_\_\_ CPR No: 35 Rev2  
 Date: \_\_\_\_\_ Date: 08/08/19

Description	Labor	Mat	Equip.	Subcont. Total	Supp Total	Total
PC1 Corrosion	\$ 2,764.60	\$ 977.50	\$ 575.00	\$ 44,488.66	\$ 4,072.12	\$ 52,877.88
<b>SUBTOTAL COST &gt;</b>						<b>\$ 52,877.88</b>
Insurance Premium .5% - Changed Work >						\$ 264.39
Bond Premium .75% - Changed Work >						\$ 396.58
<b>TOTAL LUMP SUM COST &gt;</b>						<b>\$ 53,538.85</b>

**Change Proposal Request**  
**Project: City of Coeur d'Alene Tertiary Treatment Phase 2**  
**Apollo Inc.**

**CPR No:** 35 Rev.2  
**Item No:** 1  
**Date:** 8/8/19

*Item Description: PC1 Corrosion*

Description	Qty	U of M	Rate	Labor	Unit	Rate	Mat	Unit	Rate	Equip.	Subcont. Total	Total
<b>APOLLO - PROJECT SUPERVISION COSTS</b>												
Project Manager	8.0	HR	\$ 90.00	\$ 720.00								\$ 720.00
Project Superintendent	16.0	HR	\$ 79.56	\$ 1,272.96								\$ 1,272.96
Yard / Mech Super	2.0	HR	\$ 68.08	\$ 136.16								\$ 136.16
<b>APOLLO - CRAFT LABOR COSTS</b>												
<b>Laborers</b>												
Pressure Wash Mold	8.0	HR	\$ 34.36	\$ 274.88								\$ 274.88
<b>APOLLO - OTHER EQUIPMENT COSTS</b>												
Pressure Washer	1.0							WK	\$ 500.00	\$ 500.00		\$ 500.00
										\$ -		\$ -
<b>APOLLO - MATERIAL COSTS</b>												
Gravel	1.0				LS	\$ 150.00	\$ 150.00					\$ 150.00
Safety Suits	2.0				LS	\$ 100.00	\$ 200.00					\$ 200.00
Washer Fluid	1.0				LS	\$ 500.00	\$ 500.00					\$ 500.00
Apollo - Subtotal Direct Costs >				\$ 2,404.00			\$ 850.00			\$ 500.00		\$ 3,754.00
Markup on Self-Performed Labor, Mat'ls & Equipment >	15.0%			\$ 360.60			\$ 127.50			\$ 75.00		\$ 563.10
<b>SUBCONTRACTOR COSTS</b>												
Mountain States	1										\$ 42,370.15	\$ 42,370.15
											\$ -	\$ -
Subtotal Subcontractors Costs >											\$ 42,370.15	\$ 42,370.15
Markup on Subcontractor Costs >	5.0%										\$ 2,118.51	\$ 2,118.51
<b>SUPPLEMENTAL COSTS</b>												
Special Consultants											\$ -	\$ -
Subsistence for Project Supervision	1.0				MN	\$ 2,000.00	\$ 2,000.00					\$ 2,000.00
Temporary Facilities at the Site	1.0				MN	\$ 2,000.00	\$ 2,000.00					\$ 2,000.00
Small Tools	1.0				LS	\$ 72.12	\$ 72.12					\$ 72.12
Subtotal Supplementary Costs >						\$ 4,072.12					\$ -	\$ 4,072.12
Markup on Supplementary Costs >	0.0											

<b>Contractor - Total Direct Costs w/Markup &gt;</b>	<b>\$ 52,877.88</b>
Insurance Premium .5% - Changed Work >	\$ 264.39
Bond Premium .75% - Changed Work >	\$ 396.58
<b>TOTAL LUMP SUM COST &gt;</b>	<b>\$ 53,538.85</b>

**TIME and MATERIAL COST**Request No: 54  
Date Of Proposal: 6/7/2019To: CITY OF CDA - WWTP  
Job #: 17-010  
Regarding: CPR 035  
Attention: AMY JENNE  
Work To Be Done: \_\_\_\_\_Job Name: CDA TERTIARY TREATMENT PHASE 2COST IMPACT PER CPR-035 - TRACKED AS TIME and MATERIAL**LABOR CLASSIFICATION**

	RATES			HOURS			EXTENDED
	STRAIGHT	OVERTIME	DBL TIME	STRAIGHT	OVERTIME	DOUBLE TIME	
FOREMAN	\$ 70.99	\$ 95.14	\$ 119.29	183.00			\$ 12,991.17
JOURNEYMAN	\$ 66.50	\$ 88.47	\$ 110.40	119.00			\$ 7,913.50
APPRENTICE	\$ 41.14	\$ 64.50	\$ 90.55	15.00			\$ 617.10
PROJECT MANAGER	\$ 85.00						\$ -
<b>LABOR SUB TOTAL</b>							<b>\$ 21,521.77</b>

**EQUIPMENT**

COST + 15%	RATES				QUANTITY	EXTENDED
	HOUR	DAY	WEEK	MONTH		
<b>TOOL SUB TOTAL</b>						<b>\$ -</b>

**MATERIAL**

COST + 15%	EXTENDED	
RACEWAY, WIRE, CONTROL DEVICES, etc.	\$ 13,764.68	
<b>MATERIAL SUB TOTAL</b>		<b>\$ 15,829.38</b>

**SUB-CONTRACTOR**

COST + 5%	EXTENDED	
CONTROL FREEK	\$ 4,780.00	
<b>SUB-CONTRACTOR SUB TOTAL</b>		<b>\$ 5,019.00</b>

**Total Proposed Change Order price: \$ 42,370.15**Submitted By: DAVE PERRINS, Project Manager Date: 6/7/2019

Approved By: \_\_\_\_\_ Date: \_\_\_\_\_

Title: \_\_\_\_\_

Report selections:	Job: 17010	Superintendent: ALL	From transaction date: Inception
	Phase: CO054	Estimator: ALL	To transaction date: 06/07/19
	Employee: ALL	Project manager: ALL	
	Job status: Active	Division: ALL	

**MOUNTAIN STATES ELECTRICAL  
Payroll Hours Analysis Report  
Phase Detail**

Job: 17010 CDA TERTIARY TREATMENT

Employee Code	Employee Name	Hours			Earnings			Burden Total
		Regular	Overtime	Total	Regular	Overtime	Total	
CO-054	CPR035 PRIMARY CLARIFIER							
DEBJAR	JARED M DEBACA	2.00		2.00				
HANSTE	STEVEN C HANSEN	15.00		15.00				
MAXRYA	RYAN D MAXWELL	3.00		3.00				
MCCPET	PETE MCCLURE	5.00		5.00				
OMASEA	SEAN M OMALLEY	183.00		183.00				
PHITAR	TARA V PHILLIPS	109.00		109.00				
<b>Total for phase: CO-054</b>		<b>317.00</b>		<b>317.00</b>				
<b>Total for job: 17010</b>		<b>317.00</b>		<b>317.00</b>				
<b>Report totals:</b>		<b>317.00</b>		<b>317.00</b>				

CDA WWTP

QTY	ITEM DESCRIPTION	UNIT PRICE	EXTENDED PRICE
60	1" GRC CONDUIT	\$ 4.71	\$ 282.60
640	3/4" PVC COATED GRC	\$ 6.73	\$ 4,307.20
50	1" PVC COATED GRC	\$ 8.71	\$ 435.50
20	3/4" PVC COATED COUPLINGS	\$ 7.41	\$ 148.20
14	1" PVC COATED COUPLINGS	\$ 9.63	\$ 134.82
2	1" FORM 7 T CONDULET	\$ 25.27	\$ 50.54
4	1" FORM 7 TB CONDULET	\$ 25.27	\$ 101.08
5	1" COVER AND GASKEST	\$ 7.80	\$ 39.00
8	3/4" PVC COATED T CONDULET	\$ 97.40	\$ 779.20
7	3/4" PVC COATED 3 PIECE COUPLING	\$ 82.26	\$ 575.82
24	1" STANLESS STEEL STRUT STRAPS	\$ 11.83	\$ 283.92
4	1" SEALING LOCK NUTS	\$ 3.32	\$ 13.28
8	20 AMP 3-WAY SWITCHES	\$ 11.45	\$ 91.60
1	3/4" FORM 7 LB CONDULET	\$ 16.67	\$ 16.67
1	3/4" COVER AND GASKET	\$ 7.59	\$ 7.59
4	3/4" STRAP AND BACK STRAP	\$ 2.76	\$ 11.04
6	1" STRAP AND BACK STRAP	\$ 4.18	\$ 25.08
4	WINDOW CLAMPS FOR STRUT	\$ 9.38	\$ 37.52
3	ALUMINUM PLATES 8" x 10"	\$ 75.00	\$ 225.00
6	1/2" to 3/4" RE BUSHING	\$ 1.91	\$ 11.46
360	# 10 WIRE	\$ 0.30	\$ 108.00
500	# 12 WIRE	\$ 0.23	\$ 115.00
1440	# 14 WIRE	\$ 0.21	\$ 302.40
100	# 16 TSP WIRE	\$ 1.64	\$ 164.00
1	KELLEMS GRIP	\$ 105.00	\$ 105.00
2	2 POLE GE BREAKER	\$ 21.00	\$ 42.00
	<b>TOTAL</b>		<b>\$ 8,413.52</b>

# NORTH COAST ELECTRIC COMPANY

1928 WEST A. STREET  
 PASCO WA 99301-5193  
 509-547-9311 Fax 509-545-4342

# INVOICE

INVOICE NUMBER	INVOICE DATE	SHIP DATE	CUSTOMER ID
S9255402.001	04/08/19	04/08/19	118062
PLEASE REMIT PAYMENT TO:			
NORTH COAST ELECTRIC COMPANY PO BOX 34399 SEATTLE WA 98124-1399			

**SHIP TO:**

MOUNTAIN STATES EL CONTR, INC  
 PO BOX 4328  
 SPOKANE WA 99210-0328

MOUNTAIN STATES / COURT D ALLEN REP  
 765 W HUARD AVE  
 COEUR D ALENE ID 83814-3232

ORDER DATE	ORDER BY	CUSTOMER PO NO	SHIP VIA	WRITER	BRANCH
04/08/19		17-010 CO54	330 CROSS DOCK	James Carrillo	319
LINE	ITEM DESCRIPTION	QTY ORDERED	QTY SHIPPED	NET PRICE	EXTENSION
1	B-LINE B22SH-120SS4 CHANNEL, 1 5/8-IN. X 1 5/8-IN., 9/16-IN. X 7/8-IN. SLOTTED HOLES, 12 GA., 120-IN  <i>C/O 54</i>	40	40	950.680c	380.27

Subtotal	380.27
S&H Charges	
Sales Tax	22.82
<b>Amount Due</b>	<b>403.09</b>

Invoice is due by 05/25/19.

DATE: 04/08/19 10:47 AM  
 0

All charges are in US Dollars.

All sales are conditioned upon purchaser's agreement to North Coast Electric Company's Standard Terms and Conditions Applying to All Sales, set out in Form NC055 available at <https://www.northcoastelectric.com/termsandconditions> or upon request.





REMIT TO:  
P.O. Box 418759  
Boston, MA 02241-8759



INVOICE # 0858769  
INVOICE DATE 4/11/19  
009 Spokane (509) 834-6830 myr5@platt.com

DATE ORDERED	DATE SHIPPED	SHIPPED VIA	BILL OF LADING	CUSTOMER PO#
4/8/19	4/12/19	Pickup		17-018 00# 54

**SOLD TO**  
Mountain States Electrical, Inc  
Box 4389  
Spokane, WA 99208

**SHIP TO**  
Customer Pickup

ORDERED BY: RYAN

PAGE 2

CUSTOMER ACCT #	JOB NAME	JOB#	SALES	PLATT SALESPERSON			
127305	COA WTP Phase	17-030	A09	SPOKANE			
QTY	SHIPPED	UNIT PRICE	UNIT	DISC%	TOTAL	TAX	TERM
1	1	211.0900	EA		211.09	Y	0
01 APR 2019-2021 3/4 EX FLEXIBLE 0210507 Full phone support 7 days/week 8a - 5p MT 8a - 5p MT Every single day Pay Online / Invoices & Statements 24/7 www.platt.com  <div style="text-align: center; font-size: 2em; font-family: cursive;">2059</div>							
<b>SUB TOTAL</b>					211.09		
					<b>CHARGES</b>	\$	19.99
					<b>INVOICE TOTAL</b>	\$	229.08

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MAIL REMITTANCE TO:  
P.O. BOX 418759 BOSTON, MA 02241-8759  
(617) 541-8121

OVER 100 BRANCHES THROUGHOUT THE WEST



platt.com

REMIT TO:  
P.O. Box 418759  
Boston, MA 02241-8759



INVOICE # 0965637  
INVOICE DATE 4/24/19  
069 Spokane  
(509) 534-6610 mcr09@platt.com

DATE ORDERED	DATE SHIPPED	SHIPPED VIA	BILL OF LADING	CUSTOMER PO#
4/23/19	4/23/19	Pickup		17-010

SOLD TO  
Mountain States Electrical Con  
Box 4520  
Spokane, WA 99202

SHIP TO  
Customer Pickup

ORDERED BY: JESSIE

PAGE 1

CUSTOMER/ACCT #	JOB NAME	JOB#	SALES	PLATT SALESPERSON			
127205	CSA WTR Phase	17-010	ADJ	SPokane			
QTY	SHIPPED	STOCK	DESCRIPTION	UNIT PRICE	UNIT DISC %	TOTAL	TAX TERM
6	6	0	APP CLB-75MM 3/4 IN RDC CLAMP 0098541	116.6666	C	7.00	Y .0
6	6	0	APP CL-75MM 3/4 IN COND CLAMP 0002527	78.8888	C	4.58	Y -.6

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Ray Online Invoices & Statements 24/7 www.platt.com

CO 54

JOB TOTAL		11.58	OTHER	SALES TAX	\$ 1.09
			CHARGES	INVOICE TOTAL	\$ 12.58
MAIL REMITTANCE TO: P.O. BOX 418759 BOSTON MA 02241-8759 (508) 241-8121					

OVER 100 BRANCHES THROUGHOUT THE WEST



REMIT TO:  
P.O. Box 418759  
Boston, MA 02241-8759



INVOICE # 0682996  
INVOICE DATE 3/20/19  
CITY Spokane  
15091 334-6030 mg@platt.com

DATE ORDERED	DATE SHIPPED	SHIPPED VIA	BILL OF LADING	CUSTOMER POP
3/14/19	3/19/19	Pickup		17-810
SOLD TO Mountain States Electrical Corp Box 4125 Spokane, WA 99202			SHIP TO Customer Pickup	

ORDERED BY: RYAN

PAGE 1

CUSTOMER ACCT#	JOB NAME	JOB#	SALES	PLATT SALESPERSON							
127202	CDA WSPR Phase	17-010	AUS	BROKANE							
QTY	SHIPPED	BACK ORG	EGR #	DESCRIPTION	UNIT PRICE	UNIT	DISC %	TOTAL	TAX	TERM	
3	3	0	0	WSP AD100 HOLE SEALS P/ 100# 0026762	12.7122	EA		38.14	Y	.0	
140	140	0	0	CORROUNT 3/4 IN GALV STEEL 0066578	192.7890	C		270.90	Y	.0	
4	4	0	0	APP TST 3/4 FW7 BODY 0000273	9.5700	EA		38.68	Y	.0	
7	7	0	0	APP AP1070 1/4 STEEL CONNRY 0001289	2.4800	EA		18.36	Y	.0	
7	7	0	0	APP CONCRTE SWP CONES GARST 0020859	1.6750	EA		11.73	Y	.0	
7	7	0	0	APP EYP-05 1/4 EXP PROOF SEAL 0020856	13.9600	EA		97.72	Y	.0	
4	4	0	0	RYV PREYB21 1/4 SEALOFF 0566504	98.2850	EA		387.43	Y	.0	
2	2	0	0	APP EYP-100 1 IN EXP PROOF SE 0020874	15.0300	EA		30.06	Y	.0	
2	2	0	0	SAC 0341-0 20 3/4 BR 0229134	814.8800	C		16.34	Y	.0	
2	2	0	0	SAC 0324-0 20 WP BR CVR W/2 0306010	3225.2000	C		64.58	Y	.0	
3	3	0	0	APP TST 3/4 TB FW7 BODY TAPP 0000290	10.7900	EA		32.38	Y	.0	
10	10	0	0	APP BURSTEM 3/4 RND WATER TEG 0439488	283.2700	C		28.33	Y	.0	
2	2	0	0	RYV PRA17 1/2-2000-STD BR 0209752	56.1450	EA		112.29	Y	.0	
<p>Full phone support 7 days/week M-F 8p PT T-F 8p MT Every single day Buy Online / Invoices &amp; Statements 24/7 www.platt.com</p> <p style="text-align: center; font-size: 2em; opacity: 0.5;">17-010-0054</p>											
SUBTOTAL								1,199.04			
								TAXES	\$	101.64	
								CHARGES	\$	1,298.68	
MAIL REMITTANCE TO											
P.O. BOX 418759 BOSTON MA 02241-8759											
(617) 641-6121											

Material Safety Data Sheets Available Upon Written Request  
 OVER 100 BRANCHES THROUGHOUT THE WEST  
 No amount Restricting Charge on Accepted Returns

# NORTH COAST ELECTRIC COMPANY

4216 E. MAIN AVE  
 SPOKANE WA 99202-4743  
 509-328-1020 Fax: 509-328-2107

# INVOICE

INVOICE NUMBER	INVOICE DATE	SHIP DATE	CUSTOMER NUM
S9250966 004	04/23/19	04/23/19	118062
PLEASE REMIT PAYMENT TO:			
NORTH COAST ELECTRIC COMPANY PO BOX 34399 SEATTLE WA 98124-1399			

**SHIP TO:**

MOUNTAIN STATES EL CONTR, INC.  
 PO BOX 4308  
 SPOKANE WA 99220-0325

MOUNTAIN STATES / CORP D AGENE REP  
 1220 E 1ST ST  
 SPOKANE WA 99202

ORDER DATE	ORDERED BY	CUSTOMER PO NO	SHIP VIA	WRITER	BRANCH
04/04/19	Bruce	17-010	330 LOCAL	James Carrillo	330
LINE	ITEM DESCRIPTION	QTY ORDERED	QTY SHIPPED	NET PRICE	EXTENSION
1	B-LINE PB1SS TYPE 304 STAINLESS PUSHBUTTON ENCLOSURE  <i>Co 54</i>	3	3	143.100E	429.30

Subtotal	429.30
S&H Charges	
Sales Tax	0.00
<b>Amount Due</b>	<b>429.30</b>

Invoice is due by 05/25/19.

All charges are in US Dollars.

All sales are conditioned upon purchaser's agreement to North Coast Electric Company's Standard Terms and Conditions Applying to All Sales, set out in Form NC055 available at <https://www.northcoastelectric.com/termsandconditions> or upon request.



4216 E. MAIN AVE  
 SPOKANE WA 99202-4243  
 509-328-1020 Fax 509-328-2107

# INVOICE

INVOICE NUMBER	INVOICE DATE	SHIP DATE	CUSTOMER #
S9227345.001	04/02/19	04/02/19	7296
PLEASE REMIT PAYMENT TO:			
NORTH COAST ELECTRIC COMPANY PO BOX 34399 SEATTLE WA 98124-1399			

**SHIP TO:**

MOUNTAIN STATES EL CONTR, INC.  
 PO BOX 4325  
 SPOKANE WA 99220-0325

MOUNTAIN STATES ELECTRIC  
 1270 EAST 1ST STREET  
 SPOKANE WA 99207

ORDER DATE	ORDERED BY	CUSTOMER PO NO	SHIP VIA	WRITER	BRANCH
03/25/19	SEAN	17-010 CO#54	UPS GROUND	James Carrillo	330
LINE	ITEM DESCRIPTION	QTY ORDERED	QTY SHIPPED	NET PRICE	EXTENSION
1	APP ENR5201 20A 125V RCPT ASSY	1	1	312.340E	312.34
17-010 = CO 54					

Invoice is due by 05/25/19 net of any cash discount.  
 If paid by 05/10/19 you may deduct \$3.12

Subtotal	312.34
S&H Charges	12.55
Sales Tax	0.00
<b>Amount Due</b>	<b>324.89</b>

All sales are conditioned upon purchaser's agreement to North Coast Electric Company's Standard Terms and Conditions Applying to All Sales, set out in Form NC055 available at <https://www.northcoastelectric.com/termsandconditions> or upon request.

All charges are in US Dollars.



REMIT TO:  
P.O. Box 418759  
Boston, MA 02241-8759



INVOICE # 0839341  
INVOICE DATE 4/05/19  
000 Spokane  
(509) 834-6630 mgr09@platt.com

DATE ORDERED	DATE SHIPPED	SHIPPED VIA	BILL OF LADING	CUSTOMER PO#
4/03/19	4/04/19	Pickup		17 010 004 54

**SOLD TO**  
Mountain States Electrical Co  
Box 4129  
Spokane, WA 99202

**SHIP TO**  
Customer Pickup

ORDERED BY: JESSE

PAGE 1

CUSTOMER ACCT#	JOB NAME	JOB#	SALES	PLATT SALESPERSON					
127208	CSA WWP Phase	17-010	409	SPOKANE					
SHIP#	SHIP#	QTY	EDP/DESCRIPTION	UNIT PRICE	UNIT	DISC %	TOTAL	TAX	TERM
20	20	0	POST PS 580 WP 19 BS SHALLOW 0179134	654.0600	0		130.83	Y	28
Full phone support 7 days/week 12 - 6p PT 10 - 2p MT Every single day Pay Online Invoices & Statements 24/7 www.platt.com <div style="text-align: center; font-size: 2em; font-family: cursive;">CO SH</div>									
<b>SUB TOTAL</b>							130.83		
							<b>SALES TAX</b>	\$	17.64
							<b>CHANGES</b>		
							<b>TOTAL</b>	\$	242.45

PLATT is not responsible for any errors or omissions in this invoice. The customer is responsible for the accuracy of the information provided. PLATT is not responsible for any errors or omissions in this invoice. The customer is responsible for the accuracy of the information provided.

MAIL REMITTANCE TO:  
P.O. BOX 418759 BOSTON, MA 02241-8759  
(617) 441-6171

Material Safety Data Sheets Available Upon Written Request Minimum Handling Charge on Accepted Returns

OVER 100 BRANCHES THROUGHOUT THE WEST



REMIT TO:  
P.O. Box 418759  
Boston, MA 02241-8759



INVOICE # 0835167  
INVOICE DATE 4/05/19  
059 Spokane (509) 534-6630 mgr@platt.com

DATE ORDERED	DATE SHIPPED	SHIPPED VIA	BILL OF LADING	CUSTOMER PO#
4/04/19	4/04/19	Pickup		17-010 006 2

SOLD TO  
Mountain States Electrical Con.  
Box 4125  
Spokane, WA 99201

SHIP TO  
Customer Pickup

ORDERED BY: JESSIE

PAGE 1

CUSTOMER ACCT#	JOB NAME	JOB#	SALES	PLATT SALESPERSON				
127205	SSA WTR Base	17-010	AGG	SPORANE				
QTY	SHIPPED BACK ORD	EDP #/DESCRIPTION	UNIT PRICE	UNIT	DISO %	TOTAL	TAX	TERM
100	100	0 PKG 1-IN SCHEDULE-40 CUMBUIS 5065090	38.7000	C		38.70	Y	.0
Full phone support: 7 days/week 9a - 5p ET 9a - 5p MT Every single day Pay Online Invoices & Statements 24/7 www.platt.com								
<i>CO SH</i>								
SUB TOTAL			38.70			SALES TAX	\$	3.44
			OTHER CHARGES		INVOICE TOTAL		\$	42.14
<small>Material Safety Data Sheets Available Upon Written Request Minimum Restocking Charge on Accepted Returns</small>				MAIL REMITTANCE TO P.O. BOX 418759 - BOSTON, MA 02241-8759 (509) 534-6177				

OVER 100 BRANCHES THROUGHOUT THE WEST



# NORTH COAST ELECTRIC COMPANY

4216 E. MAIN AVE  
 SPOKANE WA 99202-4743  
 509-328-1020 Fax 509-328-2107

# INVOICE

INVOICE NUMBER	INVOICE DATE	SHIP DATE	CUSTOMER NUM
S9250966.002	04/23/19	04/23/19	118062
PLEASE REMIT PAYMENT TO:			
NORTH COAST ELECTRIC COMPANY PO BOX 34399 SEATTLE WA 98124-1399			

**SHIP TO:**

MOUNTAIN STATES EL CONTR, INC.  
 PO BOX 4325  
 SPOKANE WA 99220-0325

MOUNTAIN STATES / COUPE D'ALENE WSP  
 1320 E 1ST ST  
 SPOKANE WA 99202

ORDER DATE	ORDERED BY	CUSTOMER PO NO	SHIP VIA	WRITER	BRANCH
04/04/19	Bruce	17-010	330 LOCAL	James Carrillo	330
LINE	ITEM DESCRIPTION	QTY ORDERED	QTY SHIPPED	NET PRICE	EXTENSION
1	B-LINE PB2SS TYPE 304 STAINLESS PUSHBUTTON ENCLOSURE  <i>CO-54</i>	1	1	169.3105	169.31

Invoice is due by 05/25/19

Subtotal	169.31
S&H Charges	
Sales Tax	0.00
<b>Amount Due</b>	<b>169.31</b>

All charges are in US Dollars.

All sales are conditioned upon purchaser's agreement to North Coast Electric Company's Standard Terms and Conditions Applying to All Sales, set out in Form NCO55 available at <https://www.northcoastelectric.com/termsandconditions> or upon request.

# NORTH COAST ELECTRIC COMPANY

4210 E. MAIN AVE.  
 SPOKANE WA 99202-4743  
 509-328-1020 Fax 509-328-2197

# INVOICE

INVOICE NUMBER	INVOICE DATE	SHIP DATE	CUSTOMER NO.
S9251193.001	05/03/19	05/03/19	118062
PLEASE REMIT PAYMENT TO:			
NORTH COAST ELECTRIC COMPANY PO BOX 34399 SEATTLE WA 98124-1399			

**SHIP TO:**

MOUNTAIN STATES EL CONTR, INC.  
 PO BOX 4325  
 SPOKANE WA 99220-0325

MOUNTAIN STATES / COVER D ALBEN WTP  
 769 W SUBARU AVE  
 COVER D ALBEN ID 83814-2930

ORDER DATE	ORDERED BY	CUSTOMER PO NO.	SHIP VIA	WRITER	BRANCH
04/04/19	JESSE	17-010	PPP - PAPER PRNT	Vance Draney	330
LINE	ITEM DESCRIPTION	QTY ORDERED	QTY SHIPPED	NET PRICE	EXTENSION
1	B-LINE B441-22ASS6 BEAM CLAMP, FOR 1 5/8-IN. X 1 5/8-IN. BACK TO BACK CHANNELS TAINLESS STEEL 316  <i>cost</i>	4	4	5885.4200	235.42

Invoice is due by 06/25/19.



<b>Subtotal</b>	235.42
<b>S&amp;H Charges</b>	
<b>Sales Tax</b>	0.00
<b>Amount Due</b>	235.42

All charges are in US Dollars.

All sales are conditioned upon purchaser's agreement to North Coast Electric Company's Standard Terms and Conditions Applying to All Sales, set out in Form NC055 available at <https://www.northcoastelectric.com/termsandconditions> or upon request.

# NORTH COAST ELECTRIC COMPANY

4216 E. MAIN AVE  
 SPOKANE WA 99202-4343  
 509-328-1020 Fax 509-328-2107

# INVOICE

INVOICE NUMBER	INVOICE DATE	SHIP DATE	CUSTOMER NUM
S9230880 001	03/26/19	03/26/19	118062
PLEASE REMIT PAYMENT TO:			
NORTH COAST ELECTRIC COMPANY PO BOX 34389 SEATTLE WA 98124-1399			

**SHIP TO:**

MOUNTAIN STATES EL CONDU, INC.  
 PO BOX 4325  
 SPOKANE WA 99220-0325

MOUNTAIN STATES / COOPER B ALENE WTP  
 365 W HUBBARD AVE  
 COOPER B ALENE ID 83814-3032

ORDER DATE	ORDERED BY	CUSTOMER PO NO	SHIP VIA	WRITER	BRANCH
03/26/19	JESSE	17-010	WILL CALL	Vance Draney	330
LINE	ITEM DESCRIPTION	QTY ORDERED	QTY SHIPPED	NET PRICE	EXTENSION
1	B-LINE B22SH-120SS4 CHANNEL, 1 5/8-IN. X 1 5/8-IN., 9/16-IN. X 7/8-IN. SLOTTED HOLES, 12 GA., 120-IN	50	50	950.680c	475.34

*CO SS4*

Subtotal	475.34
S&H Charges	
Sales Tax	0.00
<b>Amount Due</b>	<b>475.34</b>

Invoice is due by 05/25/19.

All sales are conditioned upon purchaser's agreement to North Coast Electric Company's Standard Terms and Conditions Applying to All Sales. Get our Form NC055 available at <https://www.northcoastelectric.com/termsandconditions> or upon request.

All charges are in US Dollars.



416 E. MAIN AVE  
 SPOKANE WA 99202-4743  
 509-328-1020 Fax 509-328-2107

# INVOICE

INVOICE NUMBER	INVOICE DATE	SHIP DATE	CUSTOMER PO NO
S9252891.001	04/05/19	04/05/19	118062
<b>PLEASE REMIT PAYMENT TO:</b>			
NORTH COAST ELECTRIC COMPANY PO BOX 34399 SEATTLE WA 98124-1399			

**SHIP TO:**

MOUNTAIN STATES EL CONTR, INC.  
 PO BOX 4325  
 SPOKANE WA 99220-0325

MOUNTAIN STATES / COVER D ALENE WTP  
 8 North Coast Electric  
 4216 E Main Ave  
 SPOKANE WA 99202-4743

ORDER DATE	ORDERED BY	CUSTOMER PO NO	SHIP VIA	WRITER	BRANCH
04/04/19	Jesse	17-010	WILL CALL	James Carrillo	330
LINE	ITEM DESCRIPTION	QTY ORDERED	QTY SHIPPED	NET AMT	EXTENSION
1	CRS.H RE21 3/4 TO 1/2 REDUCING BUSH <i>CO 54</i>	6	6	4.420E	26.52

Invoice is due by 05/25/19.

Subtotal	26.52
S&H Charges	
Sales Tax	0.00
<b>Amount Due</b>	<b>26.52</b>

All charges are in US Dollars.

All sales are conditioned upon purchaser's agreement to North Coast Electric Company's Standard Terms and Conditions Applying to All Sales, set out in Form NC055 available at <https://www.northcoastelectric.com/termsandconditions> or upon request.

# NORTH COAST ELECTRIC COMPANY

4216 E. MAIN AVE  
SPOKANE WA 99202-4743  
509-328-1020 Fax 509-328-2107

# INVOICE

INVOICE NUMBER	INVOICE DATE	SHIP DATE	CUSTOMER NUM
S9262838.001	04/10/19	04/10/19	7296
PLEASE REMIT PAYMENT TO:			
NORTH COAST ELECTRIC COMPANY PO BOX 34399 SEATTLE WA 98124-1399			


### SHIP TO:

MOUNTAIN STATES EL CONTR, INC.  
PO BOX 4324  
SPOKANE WA 99200-0325

MOUNTAIN STATES ELECTRIC  
1726 EAST 1ST STREET  
SPOKANE WA 99207

ORDER DATE	ORDERED BY	CUSTOMER P.O. NO.	SHIP VIA	WRITER	BRANCH
04/10/19	STEVEN	17010	PPP - PAPER PRNT	Cole J. Pratt	330
LINE	ITEM DESCRIPTION	QTY ORDERED	QTY SHIPPED	NET PRICE	EXTENSION
1	BUR YGHP34C29 250-500 TO 3/0-250 GR	1	1	22.240E	22.24
2	BUR YGHC29C26 3/0-250 TO 6-2/0 CU G.	2	2	12.070E	24.14
3	WIRE BARE-SD-2-7STR-CU-CUT REEL Cuts: 1 @ 60 ft	60	60	933.240m	55.99

COSY

APR 11 2019 10:25 AM  


Subtotal	102.37
S&H Charges	
Sales Tax	0.00
<b>Amount Due</b>	<b>102.37</b>

Invoice is due by 05/25/19 net of any cash discount.  
If paid by 05/10/19 you may deduct \$1.02

All charges are in US Dollars.

All sales are conditioned upon purchaser's agreement to North Coast Electric Company's Standard Terms and Conditions Applying to All Sales, set out in Form NC055 available at <https://www.northcoastelectric.com/forms/standardconditions.w> upon request.

# NORTH COAST ELECTRIC COMPANY

4716 E. MAIN AVE  
SPOKANE WA 99202-4793  
509-328-1020 Fax 509-328-2167

# INVOICE

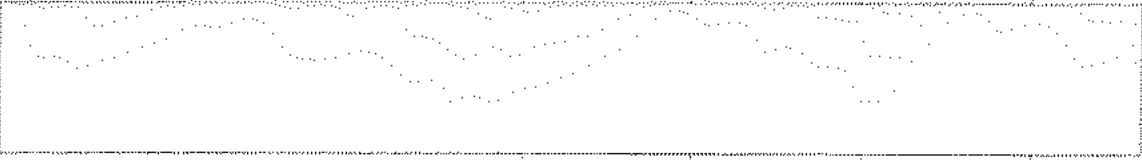
INVOICE NUMBER	INVOICE DATE	SHIP DATE	CUSTOMER NUM
S9278304.001	04/17/19	04/17/19	118062
PLEASE REMIT PAYMENT TO:			
NORTH COAST ELECTRIC COMPANY PO BOX 34399 SEATTLE WA 98124-1399			

SHIP TO:

MOUNTAIN STATES EL. CONTR, INC.  
PO BOX 4325  
SPOKANE WA 99209-0325

MOUNTAIN STATES A CORNER D ALBINE WPP  
745 W BISHARD AVE  
CORNER D ALBINE ID 83414 2212

ORDER DATE	ORDERED BY	CUSTOMER PO NO	SHIP VIA	WRITER	BRANCH
04/17/19	steven	17-010	PPP - PAPER PRNT	Cole J. Prall	330
LINE	ITEM DESCRIPTION	QTY ORDERED	QTY SHIPPED	NET PRICE	EXTENSION
1	WIRE THIN-12-GRN-19STR-CU-500S/R <i>CO 54</i>	500	500	111.680m	55.84



Invoice is due by 05/25/19.

Checked with PO  
*Shelby*

Subtotal	55.84
S&H Charges	
Sales Tax	0.00
<b>Amount Due</b>	<b>55.84</b>

All charges are in US Dollars.

All sales are conditioned upon purchaser's agreement to North Coast Electric Company's Standard Terms and Conditions Applying to All Sales, set out in Form NCE95 available at <https://www.northcoastelectric.com/termsandconditions> or upon request.



4216 E. MAIN AVE  
 SPOKANE, WA 99202-4743  
 509-328-1020 Fax 509-328-2107

# INVOICE

INVOICE NUMBER	INVOICE DATE	SHIP DATE	CUSTOMER NUM
S8252891.002	04/05/19	04/05/19	118062
PLEASE REMIT PAYMENT TO:			
NORTH COAST ELECTRIC COMPANY PO BOX 34399 SEATTLE WA 98124-1399			

**SHIP TO:**

MOUNTAIN STATES TEL. CONTR. INC.  
 PO BOX 4325  
 SPOKANE WA 99220-0325

MOUNTAIN STATES / COVER D ALERE WEP  
 8 North Coast Electric  
 4216 E Main Ave  
 SPOKANE WA 99202-4743

ORDER DATE	ORDERED BY	CUSTOMER PO NO	SHIP VIA	WRITER	BRANCH
04/04/19	Jesse	17-010	330 LOCAL	James Carrillo	330
LINE	ITEM DESCRIPTION	QTY ORDERED	QTY SHIPPED	NET PRICE	EXTENSION
1	OCAL GUAC26-G 3/4 CTD JCT BDY&CVR	1	1	154.880E	154.88
2	OCAL GUAT26-G 3/4 CTD JCT BDY&CVR	6	6	168.960E	1013.76
3	OCAL LBY15-G 1/2 PVC CTD CAPPED ELL	2	2	107.140E	214.28

*CO SH*

Subtotal	1382.92
S&H Charges	17.43
Sales Tax	0.00
<b>Amount Due</b>	<b>1400.35</b>

Invoice is due by 05/26/19.

All charges are in US Dollars.

All sales are conditioned upon purchaser's agreement to North Coast Electric Company's Standard Terms and Conditions Applying to All Sales, set out in Form NC050 available at <https://www.northcoastelectric.com/termsandconditions> or upon request.



# CROWN

CARRIAGE WORKS INCORPORATED

5107 E. UNION  
P.O. BOX 11103  
SPOKANE, WA 99211  
(509) 535-4427

INVOICE NO.

15509

NAME <b>M SEC</b>	LICENSE #	RELEASE	PHONE	DATE <b>1-7-19</b>
ADDRESS <b>BOX 4325</b>	YEAR & MAKE	MODEL	PLEASE PAY ON INVOICE STATEMENT SENT ON REQUEST.	
CITY/STATE/ZIP <b>SPOKANE WA 99202</b>	GENERAL NO.			

QTY	PART NO.	DESCRIPTION	UNIT	PRICE	TOTAL PRICE	DESCRIPTION OF SERVICES	AMOUNT
						<i>Shim Alum Pcs.</i>	<i>45.00</i>
						<i>P.O. # 17-010 - C654</i>	
						OUTSIDE REPAIRS	AMOUNT
						TOTAL LABOR	
						TOTAL PARTS	
						TOTAL OUTSIDE	
						OTHER	
						TOTAL	
						SUB TOTAL	<i>45.00</i>
						TAX	
						GRAND TOTAL	<i>\$45.00</i>

TOTAL PARTS / MATERIALS

TERMS - NET 30

You are entitled to the return of all parts replaced, except those which are the better or larger, and those required to be sent back to the manufacturer or distributor because of warranty work or an exchange agreement. You are advised to inspect the parts in both cases to be returned to you.

WE HEREBY AUTHORIZE THE ABOVE REPAIR WORK TO BE DONE ALONG WITH NECESSARY MATERIALS. YOU AND YOUR EMPLOYEES MAY CROWN FROM VEHICLE FOR PURPOSE OF TO DENY RESPONSIBILITY ON OUR PARTS AND SERVICE. WE ARE NOT RESPONSIBLE FOR ANY DAMAGE TO VEHICLE OR PARTS. WE ADVISE TO RETURN THE AMOUNT OF REPAIRS TO US. YOU WILL NOT BE HELD RESPONSIBLE FOR ANY DAMAGE TO VEHICLE OR PARTS. WE WILL NOT BE HELD RESPONSIBLE FOR ANY DAMAGE TO VEHICLE OR PARTS. WE WILL NOT BE HELD RESPONSIBLE FOR ANY DAMAGE TO VEHICLE OR PARTS.

YOU ARE ENTITLED TO A COPY OF THIS ORDER AT THE TIME OF YOUR SIGNATURE.

CUSTOMER LOCATION

CERTIFICATION: ABOVE REPAIRS PROPERLY PERFORMED

# CONTROLFREEK INC

PO Box 142192  
SPOKANE VALLEY, WA 99214

# INVOICE

DATE	INVOICE #
6/7/2019	3609

PHONE 509.290.6500

FAX 866.381.3007

## BILL TO

MOUNTAIN STATES ELECTRIC INC  
PO Box 4325  
SPOKANE, WA 99220

MANDIE@CONTROLFREEK.COM

WWW.CONTROLFREEK.COM

PHYSICAL LOCATION:  
11616 E MONTOMERY DR, STE 4  
SPOKANE VALLEY, WA 99206

PROUDLY MADE  
IN THE  
UNITED STATES OF AMERICA

...2017 MARKED 10 YEARS IN BUSINESS...  
THANK YOU!

P.O. No.	TERMS
17-010 CDA WWTP	NET 30

DESCRIPTION	AMOUNT
PROGRESS BILLING CDA WWTP CHANGE ORDER - <b>CPR-035</b> GAS SENSOR AIT-2044	4,780.00
CDA WWTP CHANGE ORDER WCD-054 D.O. PLC MODULE ADDITION TO THE LCP MODIFICATIONS	1,140.00
CDA WWTP CHANGE ORDER <b>WCD-054</b> GRACEPORT, PANEL LIGHT AND SHELF ADDITIONS TO THE LCP MODIFICATIONS	900.00
PROGRESS BILLING	<b>TOTAL</b>
	\$6,820.00

FEDERAL ID 20-8169435

**170208 C...**



February 14, 2019

Apollo, Inc.  
1133 West Columbia Drive  
Kennewick, WA 99336

Attn: Amy Jenne

Re: Coeur d'Alene Tertiary Treatment Phase 2 project  
CPR 035 – PC1 Corrosion  
Engineer's Decision

Amy,

We have reviewed your cost proposal for CPR 035 – PC1 Corrosion. As acknowledged in your January 30, 2019 e-mail (attached), the work will be performed on a Time and Materials (T&M) basis with a not to exceed (NTE) amount of \$62,854.07. We have found your submitted cost proposal to be acceptable.

A total cost of \$62,854.07 (or as adjusted by T&M/NTE) and a total of 60 calendar days to the Substantial Completion date (March 1, 2019 to May 1, 2019) and 30 calendar days to the Final Completion date (May 1, 2019 to June 1, 2019) will be included in the forthcoming final Change Order.

Sincerely,  
HDR Engineering, Inc.

A handwritten signature in blue ink, appearing to read 'Todd Jensen'.

Todd Jensen, PE, CCM  
*Construction Manager*

cc: Jim Remitz – City of Coeur d'Alene Wastewater Department  
Rickey Schultz – HDR  
Mike Soucie – HDR  
Mary Scalise – HDR

## Jensen, Todd

---

**From:** Amy Jenne <Amy.Jenne@apollo-gc.com>  
**Sent:** Wednesday, January 30, 2019 10:00 AM  
**To:** Jensen, Todd  
**Subject:** CDA Tertiary CPR 354  
**Attachments:** CPR35Final.pdf

Hi Todd,

Attached is our cost proposal for the work included in CPR 35. Apollo, Mountain States and Control Freak have all provided and would agree to T&M with NTE proposal for this work.

This work will require a 60-day time extension to the substantial completion (5/1/19) of the project and a 30-day time extension to the final completion of the project (6/1/19).

Attached is an email from our Safety director who we had evaluate the black mold remediation. For your information we have included pressure washing per their recommendation.

Please let me know if you have any questions. Thanks.

Amy

### Disclaimer

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---

**Change Proposal Request No:** 035**(Not a Change Order)****Project Name:**

CDA Tertiary Ph 2 Improvements

**Project Owner:**

City of Coeur d'Alene, Idaho

**HDR Project No:**

10053342

**Owner's Project No. (If applicable):****Contractor:**

Apollo, Inc

**Regulatory Agency Project No. (If applicable):****Initiated by:** Contractor**Date:** 01/09/2019

---

**Attention:**

The following change in the contract on this project is proposed. Please provide your proposed price for the cost of this change.

- 1) A breakdown of cost SHALL be provided upon request by the Owner or Engineer.
- 2) Work shall not commence until authorized by the Owner.

**Description of Proposed Change:**

Provide a cost proposal for the proposed modifications as stated below and with the accompanying drawings.

Primary Clarifier #1 (PC1) has had considerable deterioration of electrical equipment, conduit, wire, and appurtenances housed within the footprint of the building due to the extremely corrosive nature of the process area. With this, the City would like to renovate all electrical equipment excluding the one (1) drive unit, lights, and louvers for ventilation. The following statements should encompass the majority of work involved in renovating this structure in order to implement a new installation that closely resembles the current Primary Clarifier #3 (PC3).

PC1 Interior (Class I Division 1), Exterior (Class I Division 2, up to 3.5' – Unclassified beyond 3.5'):  
Remove all conduits and wire for the devices as shown in the accompanying diagrams including, but not limited to, one (1) drive unit disconnect switch, hand-off-auto switches, emergency pushbutton(s), light switches, solenoid valve hand-off-auto switch, and gas detection sensor(s). All lighting fixtures with respective conduits and wire from the switch level are to remain in place. Louvers and HVAC conduits/wire, where applicable, shall remain in place.

Remove all devices as shown in the accompanying diagrams including, but not limited to, one (1) drive unit disconnect switch, hand-off-auto switches, emergency pushbutton(s), light switches, solenoid valve hand-off-auto switch, and gas detection sensor(s).

Install new devices as shown in the accompanying diagrams including, but not limited to, one (1) drive unit disconnect switch, hand-off-auto switches, emergency pushbutton(s), light switches, solenoid valve hand-off-auto switch, and gas detection sensor(s).

Install Class I Division 1 rated conduits and wire for the devices as shown in the accompanying diagrams including, but not limited to, one (1) solenoid valve hand-off-auto switch, gas detection sensor(s), high torque and high-high torque limit switches, and emergency pushbutton(s) and light switches where passing through PC1.

Install seal offs and explosionproof rated junction boxes inline with the raceway system on the exterior of PC1 where transitioning from unclassified space to classified spaces per NFPA 820, 2016.

Install stainless steel 304 Uni Strut rack system affixed to guard rail outside North PC1 door for mounting of electrical equipment as shown in the accompanying diagrams.

Install RGS conduits, or approved equal, on the exterior of PC1 where transitioning from the existing ductbank to the electrical equipment area, or from the electrical equipment area to the seal off(s) and explosionproof junction boxes, where transitioning between classified spaces. Field route conduits in the most effective, lowest area of visibility, and with minor exposure to possible damage.

Install new wire for all devices, where being replaced, relocated, or untouched, using the existing conduit system ductbank from Primary Sludge Building to the electrical area.

Handhole intercepting ductbank 14B and 14C shall be cleaned out, debris removed, and backfilled under with gravel, or appropriate bedding material, of sufficient depth to provide adequate drainage of liquid buildup inside electrical handhole.

Field research and review wiring, outside the replacements above, within handhole for insulation failures, knicks, abrasions, or other integrity deformities and failures in which replacement shall be reviewed with and approved by the Engineer. Where wiring is subject to review and approved by Engineer, replacement, termination, and verification of testing operations shall be completed.

Terminate new wiring within existing MCC buckets at the intended equipment locations. Testing and commissioning shall be performed and verified by the electrical contractor, control system integrator, and Engineer following PC3 and Primary Clarifier #2 (PC2) startups. Preliminary testing may take place ahead of schedule to fast track the PC1 startup if deemed necessary.

Coordinate locations with Engineer during installation for final approval. Clearances, ratings, and conduit bending radii for wireway shall meet National Electric Code (NEC) 2017 and National Fire Protection Association 820, 2016.

TODD JENSEN, PE, CCM

By

All work shall be in accordance with the terms, stipulations, and conditions of the original Contract Documents. If the work herein provided for is Approved by Change Order, the time of completion will be:

Increased     Decreased     Unchanged

by \_\_\_\_\_ calendar days.

This change will:  Add     Deduct     Not Change

**HDR Recommendation:**

Recommend Acceptance

Do Not Recommend Acceptance

By: HDR Engineering

Date

**Owner's Action:**

Accepted     Not Accepted

By: Owner

Date

CPR 036

CHEMICAL TANK LEVEL TRANSMITTER BRACKETS





August 1, 2019

Apollo, Inc.  
1133 West Columbia Drive  
Kennewick, WA 99336

Attn: Amy Jenne

Re: Coeur d'Alene Tertiary Treatment Phase 2 project  
CPR 036 – Chemical Tank Level Indicator Bracket  
Engineer's Decision

Amy,

We have reviewed your cost proposal for CPR 036 – Chemical Tank Level Indicator Bracket. We have found your submitted cost proposal to be acceptable.

A total cost of \$5,477.51 and a total of 0 calendar days will be included in the forthcoming final Change Order.

Sincerely,  
HDR Engineering, Inc.

A handwritten signature in blue ink, appearing to read 'Todd Jensen'.

Todd Jensen, PE, CCM  
*Construction Manager*

cc: Mike Anderson – City of Coeur d'Alene Wastewater Department  
Rickey Schultz – HDR  
Mike Soucie – HDR  
Mary Scalise – HDR



**/// BUILDING PEOPLE WHO BUILD GREAT THINGS**

**Change Proposal Request Summary**  
 Project: City of Coeur d'Alene Tertiary Treatment Phase 2  
 Apollo Inc.

CPR No: \_\_\_\_\_ CPR No: 36  
 Date: \_\_\_\_\_ Date: 06/17/19

Description	Labor	Mat	Equip.	Subcont. Total	Supp Total	Total
Chemical Tank Level Indicator Bracket	\$ 3,207.12	\$ 575.00	\$ -	\$ 1,544.10	\$ 83.66	\$ 5,409.88
<b>SUBTOTAL COST &gt;</b>						<b>\$ 5,409.88</b>
Insurance Premium .5% - Changed Work >						\$ 27.05
Bond Premium .75% - Changed Work >						\$ 40.57
<b>TOTAL LUMP SUM COST &gt;</b>						<b>\$ 5,477.51</b>

**Change Proposal Request**  
**Project: City of Coeur d'Alene Tertiary Treatment Phase 2**  
**Apollo Inc.**

**CPR No:** 63  
**Item No:** 1  
**Date:** 6/17/19

*Item Description: Chemical Tank Level Indicator Bracket*

Description	Qty	U of M	Rate	Labor	Unit	Rate	Mat	Unit	Rate	Equip.	Subcont. Total	Total
<b>APOLLO - PROJECT SUPERVISION COSTS</b>												
Project Manager	2.0	HR	\$ 90.00	\$ 180.00								\$ 180.00
Project Superintendent	0.0	HR	\$ 79.56	\$ -								\$ -
Yard / Mech Super	24.0	HR	\$ 68.08	\$ 1,633.92								\$ 1,633.92
<b>APOLLO - CRAFT LABOR COSTS</b>												
Pipefitter				\$ -								\$ -
	16.0	HR	\$ 60.93	\$ 974.88								\$ 974.88
<b>APOLLO - MATERIAL COSTS</b>												
Strut/All-thread/Ferco	1.0				LS	\$ 500.00	\$ 500.00					\$ 500.00
	0.0				LS	\$ -	\$ -					\$ -
Apollo - Subtotal Direct Costs >				\$ 2,788.80			\$ 500.00			\$ -		\$ 3,288.80
Markup on Self-Performed Labor, Mat'l's & Equipment >	15.0%			\$ 418.32			\$ 75.00			\$ -		\$ 493.32
<b>SUBCONTRACTOR COSTS</b>												
Mountain States	1										\$ 1,470.57	\$ 1,470.57
											\$ -	\$ -
Subtotal Subcontractors Costs >											\$ 1,470.57	\$ 1,470.57
Markup on Subcontractor Costs >	5.0%										\$ 73.53	\$ 73.53
<b>SUPPLEMENTAL COSTS</b>												
Special Consultants											\$ -	\$ -
Subsistence for Project Supervision	0.0				MN	\$ 2,000.00	\$ -					\$ -
Temporary Facilities at the Site	0.0				MN	\$ 2,000.00	\$ -					\$ -
Small Tools	1.0				LS	\$ 83.66	\$ 83.66					\$ 83.66
Subtotal Supplementary Costs >							\$ 83.66				\$ -	\$ 83.66
Markup on Supplementary Costs >	0.0											

<b>Contractor - Total Direct Costs w/Markup &gt;</b>	<b>\$ 5,409.88</b>
Insurance Premium .5% - Changed Work >	\$ 27.05
Bond Premium .75% - Changed Work >	\$ 40.57
<b>TOTAL LUMP SUM COST &gt;</b>	<b>\$ 5,477.51</b>



**Change Order Proposal**

Change Request No: 69

To: APOLLO  
 Job #: 17-010  
 Regarding : CPR-036  
 Attention: AMY JENNY / KEVIN BURKE

Date Of Proposal: 6/14/2019

Job Name: CDA TERTIARY TREATMENT PHASE 2

Work To Be Done:

Per CPR-036 Provide cost impact disconnect power and signal from 3 level transmitters, reconnect power and signal after relocation by others, and recalibrate 3 transmitters.  
It is assumed that the raceway, wire / cable will long enough to re-use.  
Cost includes recalibration of 3 level transmitter in 1 site visit

Labor Hours: FOREMAN  
 JOURNEYMAN  
 PROJECT MANAGER

Hrs:	Rate:		
8	\$ 61.72	\$	493.76
	\$ 57.82	\$	-
1	\$ 85.00	\$	85.00
<b>Total Labor Dollars:</b>			<b>\$ 578.76</b>

Tools & Equipment Rentals:  
 Material -

	\$	-
	<b>SUB TOTAL :</b>	<b>\$ -</b>

SUB CONTRACTORS

CONTROL FREEK	\$	700.00
<b>SUB CONTRACTOR TOTAL:</b>		<b>\$ 700.00</b>

This change requires a time extension of: **0 ( ZERO )** days. Pricing void/subject to revision after  
 The costs represented in this Change Proposal include only those costs which can be identified at this time. No impact or delay costs are included. Should it be determined that the project is impacted at a later date by multiple changes, delays, or other causes beyond our control, we will submit these at that time.

LABOR MARK UP	15.00%	\$	86.81
MATERIAL / EQUIPMENT MARK UP	15.00%	\$	-
SUB CONTRACTOR	15.00%	\$	105.00
		\$	-
<b>Subtotal:</b>			<b>\$ 191.81</b>

**Total Proposed Change Order price: \$ 1,470.57**

Submitted By: DAVE PERRINS Date: 6/14/2019

Approved By: \_\_\_\_\_ Date: \_\_\_\_\_

Title \_\_\_\_\_



Change Proposal Request No: 036

(Not a Change Order)

**Project Name:**

CDA Tertiary Ph 2 Improvements

**Project Owner:**

City of Coeur d'Alene, Idaho

**HDR Project No:**

10053342

**Owner's Project No. (If applicable):**

**Contractor:**

Apollo, Inc

**Regulatory Agency Project No. (If applicable):**

Initiated by: Engineer

Date: 06/07/2019

**Attention:**

The following change in the contract on this project is proposed. Please provide your proposed price for the cost of this change.

- 1) A breakdown of cost SHALL be provided upon request by the Owner or Engineer.
- 2) Work shall not commence until authorized by the Owner.

**Description of Proposed Change:**

Chemical Tank Level Indicator Bracket:

- 1) Provide stable non-moving attachment for level sensors LE-570-03, LE-570-04 and LE-570-05.
- 2) There will be three attachment points for each unit, independent of the storage tanks.
- 3) Use a neoprene wrap or Fernco type coupling between the level sensor and LE access hole in top of tank to maintain proper venting.
- 4) Discuss proposed methods as recommended by installer with Engineer/Owner prior to work.

TODD JENSEN, PE, CCM

By

All work shall be in accordance with the terms, stipulations, and conditions of the original Contract Documents. If the work herein provided for is Approved by Change Order, the time of completion will be:

Increased     Decreased     Unchanged

by \_\_\_\_\_ calendar days.

This change will:  Add     Deduct     Not Change

**HDR Recommendation:**

Recommend Acceptance

Do Not Recommend Acceptance

By: HDR Engineering

Date

**Owner's Action:**

Accepted     Not Accepted

By: Owner

Date

WCD 001

ELECTRICAL DUCTBANK RED DYE



January 28, 2019

Apollo, Inc.  
1133 West Columbia Drive  
Kennewick, WA 99336

Attn: Amy Jenne

Re: Coeur d'Alene Tertiary Treatment Phase 2 project  
WCD 001 – Red Dye Duct Bank Concrete  
Engineer's Decision

Amy,

We have reviewed your cost proposal for WCD 001 – Red Dye Duct Bank Concrete. We have found your submitted cost proposal to be acceptable.

A total cost of \$3,457.09 and a total of 0 calendar days will be included in the forthcoming final Change Order.

Sincerely,  
HDR Engineering, Inc.

A handwritten signature in blue ink, appearing to read 'Todd Jensen'.

Todd Jensen, PE, CCM  
*Construction Manager*

cc: Jim Remitz – City of Coeur d'Alene Wastewater Department  
Rickey Schultz – HDR  
Mike Soucie – HDR  
Mary Scalise – HDR



Date of Issuance: Effective Date: 10/16/2017  
 Owner: City of Coeur d'Alene, ID Owner's Contract No.:  
 Contractor: Apollo Contractor's Project No.:  
 Engineer: HDR Engineer's Project No.: 10026247  
 Project: CDA Tertiary Phase 2 Improvements Contract Name:

**Contractor is directed to proceed promptly with the following change(s):**

Description:

The City of Coeur d'Alene agrees that the concrete for the electrical ductbanks at the TMF should be dyed red for identification.

Electric ductbank concrete mix shall contain the following: 8 pounds of Sonneborn Sons, Inc. "Sonobrite Red" (or an approved equal dye) per cubic yard of wet mix duct-bank encasement concrete to form a uniform red color throughout.

Attachments:

1) None.

**Purpose for Work Change Directive:**

Directive to proceed promptly with the Work described herein, prior to agreeing to changes on Contract Price and Contract Time, is issued due to:

- Non-agreement on pricing of proposed change.
- Necessity to proceed for schedule or other Project reasons.

**Estimated Change in Contract Price and Contract Times (non-binding, preliminary):**

Contract Price ~~\$ 60~~ <sup>\$69.96 AS</sup> per cubic yard increase  
 Contract Time 0 days

**Basis of estimated change in Contract Price:**

- Lump Sum
- Unit Price
- Cost of the Work per
- Other

**RECOMMENDED:**

**AUTHORIZED BY:**

**RECEIVED:**

By: 

By: 

By: 

Engineer (Authorized Signature)

Owner (Authorized Signature)

Contractor (Authorized Signature)

Title: Project Manager

Title: Cap Peckham MGR

Title: VP

Date: October 17, 2017

Date: Oct. 17, 2017

Date: 10/18/17



**/// BUILDING PEOPLE WHO BUILD GREAT THINGS**

**Work Change Directive**  
 Project: City of Coeur d'Alene Tertiary Treatment Phase 2  
 Apollo Inc.

WCD No: 1

Date: 01/17/19

Description	Labor	Mat	Equip.	Subcont. Total	Supp Total	Total
Red Dye Duct Bank Concrete	\$ -	\$ 3,414.41	\$ -	\$ -	\$ -	\$ 3,414.41
<b>SUBTOTAL COST &gt;</b>						<b>\$ 3,414.41</b>
Insurance Premium .5% - Changed Work >						\$ 17.07
Bond Premium .75% - Changed Work >						\$ 25.61
<b>TOTAL LUMP SUM COST &gt;</b>						<b>\$ 3,457.09</b>

**Work Change Directive**  
**Project: City of Coeur d'Alene Tertiary Treatment Phase 2**  
**Apollo Inc.**

**WCD No:** 1  
**Item No:** 1  
**Date:** 1/17/19

*Item Description: Red Dye Duct Bank Concrete*

Description	Qty	U of M	Rate	Labor	Unit	Rate	Mat	Unit	Rate	Equip.	Subcont. Total	Total
<b>APOLLO - MATERIAL COSTS</b>												
Red Dye	42.5				CY	\$ 69.86	\$ 2,969.05					\$ 2,969.05
							\$ -					\$ -
							\$ -					\$ -
Apollo - Subtotal Direct Costs >				\$ -			\$ 2,969.05			\$ -		\$ 2,969.05
Markup on Self-Performed Labor, Mat'ls & Equipment >	15.0%			\$ -			\$ 445.36			\$ -		\$ 445.36

<b>Contractor - Total Direct Costs w/Markup &gt;</b>	<b>\$ 3,414.41</b>
Insurance Premium .5% - Changed Work >	\$ 17.07
Bond Premium .75% - Changed Work >	\$ 25.61
<b>TOTAL LUMP SUM COST &gt;</b>	<b>\$ 3,457.09</b>



8849 W Wyoming Rd  
Rathdrum, ID 83858

Customer No: 10358  
Invoice No: 305185  
Inv Date: 10/17/17  
Page: Page 1 of 1

Apollo Inc.-East  
PO Box 7305  
Kennewick WA 99336

Interstate Concrete & Asphalt  
8849 W Wyoming Rd  
Rathdrum, ID 83858  
208-765-1144

incap@apollo-gc.com

Delivered To: HUBBARD AVE(ICA) WWTP PROJECT

Ordered By: KEVIN

Date	Code - Material Description	QTY	UM	Unit Price	Haul QTY	Matl Total	Haul Total	Tax	Total
<b>Plant: 05709 ICA-CDA-Wyomng Rd/Rath Concret</b>									
10/17/17	351576 - 5.75 EXTERIOR	20.00	CY	83.95	0.00	1,679.00	0.00	100.74	1,779.74
10/17/17	467755 - FUEL SURCHARGE	2.00	EA	0.00	0.00	0.00	0.00	0.00	0.00
10/17/17	487000 - ENVIRONMENTAL SURCHARGE	20.00	EA	3.00	0.00	60.00	0.00	0.00	60.00
10/17/17	491351A - BRICK RED - PREMIUM COLOR	20.00	CY	60.00	0.00	1,200.00	0.00	72.00	1,272.00
Total Invoice:		62.00				2,939.00	0.00	172.74	3,111.74

Ticket number(s) shipped from plant 05709 - ICA-CDA-Wyomng Rd/Rath Concret  
\*3467776 \*3467789

**Invoice Taxing Authority Summary:**

ID0000 Idaho State Tax 172.74

Our Customer Portal is now available! Register at [MYMATERIALSPORTAL.COM](http://MYMATERIALSPORTAL.COM) or call accounts receivable at (509) 534-6221 for assistance.

Finance Charges will be applied to any late Invoices at a rate of 1.5% per month per credit agreement or the State's Lawful Amount

Invoice Amount: 3,111.74

Amount Paid: \_\_\_\_\_

Customer Name: Apollo Inc.-East  
Customer No: 10358  
Invoice #: 305185  
Date: 10/17/17  
Due Date: 12/16/17

If you have any questions about your invoice please call 208-765-1144

Remit Payment To: Interstate Concrete & Asphalt  
P.O. Box 742347  
Los Angeles, CA 90074

Please provide your email address below if you would like to start receiving your invoices via email



8849 W Wyoming Rd  
Rathdrum, ID 83858

Customer No: 10358  
Invoice No: 339216  
Inv Date: 06/19/18  
Page: Page 1 of 1

Apollo Inc.-East  
PO Box 7305  
Kennewick WA 99336

Interstate Concrete & Asphalt  
8849 W Wyoming Rd  
Rathdrum, ID 83858  
208-765-1144

incap@apollo-gc.com

Delivered To: 765 W HUBBARD AVE- WWTP PROJECT

Ordered By: KEVIN

Date	Code - Material Description	QTY	UM	Unit Price	Haul QTY	Matl Total	Haul Total	Tax	Total
<b>Plant: 05709 ICA-CDA-Wyomng Rd/Rath Concret</b>									
06/19/18	351701 - 7 SK SPECIALTY	3.50	CY	142.45	0.00	498.58	0.00	29.91	528.49
06/19/18	467755 - FUEL SURCHARGE	1.00	EA	0.00	0.00	0.00	0.00	0.00	0.00
06/19/18	487000 - ENVIRONMENTAL SURCHARGE	3.50	EA	3.00	0.00	10.50	0.00	0.63	11.13
06/19/18	487950 - SHORT LOAD CHARGE - CONCRETE	1.00	EA	125.00	0.00	125.00	0.00	0.00	125.00
06/19/18	491351A - BRICK RED - PREMIUM COLOR	3.50	CY	60.00	0.00	210.00	0.00	12.60	222.60
<b>Total Invoice:</b>		<b>12.50</b>				<b>844.08</b>	<b>0.00</b>	<b>43.14</b>	<b>887.22</b>

Ticket number(s) shipped from plant 05709 - ICA-CDA-Wyomng Rd/Rath Concret  
\*3477234

Invoice Taxing Authority Summary:

ID0000 Idaho State Tax 43.14

Our Customer Portal is now available! Register at [MYMATERIALSPORTAL.COM](http://MYMATERIALSPORTAL.COM) or call accounts receivable at (509) 534-6221 for assistance.

Finance Charges will be applied to any late invoices at a rate of 1.5% per month per credit agreement or the State's Lawful Amount

Invoice Amount: 887.22

Amount Paid: \_\_\_\_\_

Customer Name: Apollo Inc.-East  
Customer No: 10358  
Invoice #: 339216  
Date: 06/19/18

If you have any questions about your invoice please call 208-765-1144

Remit Payment To: Interstate Concrete & Asphalt  
P.O. Box 742347  
Los Angeles, CA 90074

Due Date: 07/10/18

Please provide your email address below if you would like to start receiving your invoices via email



8849 W Wyoming Rd  
Rathdrum, ID 83858

Customer No: 10358  
 Invoice No: 361729  
 Inv Date: 08/22/18  
 Page: Page 1 of 1  
 Customer PO: 0  
 Customer Job: 0

Apollo Inc.-East  
 PO Box 7305  
 Kennewick WA 99336

Interstate Concrete & Asphalt  
 8849 W Wyoming Rd  
 Rathdrum, ID 83858  
 208-765-1144

incap@apollo-gc.com

Delivered To: HUBBARD AVE(ICA) WWTP PROJECT - CDA

Ordered By: KEVIN

Date	Code - Material Description	QTY	UM	Unit Price	Haul QTY	Matl Total	Haul Total	Tax	Total
<b>Plant: 05709 ICA-CDA-Wyomng Rd/Rath Concret</b>									
08/22/18	306567 - 6.5 SK 3/4" EXTERIOR, WRA	10.00	CY	89.95	0.00	899.50	0.00	53.97	953.47
08/22/18	467755 - FUEL SURCHARGE	1.00	EA	0.00	0.00	6.00	0.00	0.00	0.00
08/22/18	487000 - ENVIRONMENTAL SURCHARGE	10.00	EA	3.00	0.00	30.00	0.00	1.80	31.80
08/22/18	491351A - BRICK RED - PREMIUM COLOR	10.00	CY	60.00	0.00	600.00	0.00	36.00	636.00
<b>Total Invoice:</b>		<b>31.00</b>				<b>1,529.50</b>	<b>0.00</b>	<b>91.77</b>	<b>1,621.27</b>

Ticket number(s) shipped from plant 05709 - ICA-CDA-Wyomng Rd/Rath Concret  
 \*3480650

**Invoice Taxing Authority Summary:**

ID0000 Idaho State Tax 91.77

Our Customer Portal is now available! Register at [MYMATERIALSPORTAL.COM](http://MYMATERIALSPORTAL.COM) or call accounts receivable at (509) 534-6221 for assistance.

Finance Charges will be applied to any late invoices at a rate of 1.5% per month per credit agreement or the State's Lawful Amount

Invoice Amount: 1,621.27

Amount Paid: \_\_\_\_\_

Customer Name: Apollo Inc.-East  
 Customer No: 10358  
 Invoice #: 361729  
 Date: 08/22/18  
 Customer Job: 0  
 Customer PO: 0  
 Due Date: 09/10/18

If you have any questions about your invoice please call 208-765-1144

Remit Payment To: Interstate Concrete & Asphalt  
 P.O. Box 742347  
 Los Angeles, CA 90074

Please provide your email address below if you would like to start receiving your invoices via email



8849 W Wyoming Rd  
Rathdrum, ID 83858

Customer No: 10358  
 Invoice No: 393359  
 Inv Date: 11/30/18  
 Page: Page 1 of 1  
 Customer PO: 0  
 Customer Job: ELEC. DUCT BANKS

Apollo Inc.-East  
 PO Box 7305  
 Kennewick WA 99336

Interstate Concrete & Asphalt  
 8849 W Wyoming Rd  
 Rathdrum, ID 83858  
 208-765-1144

incap@apollo-gc.com

Delivered To: HUBBARD AVE(ICA) WWTP PROJECT

Ordered By: KEVIN

Date	Code - Material Description	QTY	UM	Unit Price	Haul QTY	Matl Total	Haul Total	Tax	Total
<b>Plant: 05709 ICA-CDA-Wyomng Rd/Rath Concret</b>									
11/30/18	351576 - 5.75 EXTERIOR	7.00	CY	83.95	0.00	587.65	0.00	35.26	622.91
11/30/18	467755 - FUEL SURCHARGE	1.00	EA	0.00	0.00	0.00	0.00	0.00	0.00
11/30/18	497000 - ENVIRONMENTAL SURCHARGE	7.00	EA	3.00	0.00	21.00	0.00	1.26	22.26
11/30/18	491351A - BRICK RED - PREMIUM COLOR	7.00	CY	60.00	0.00	420.00	0.00	25.20	445.20
11/30/18	491795 - WINTER CONCRETE CHARGE	7.00	EA	2.00	0.00	14.00	0.00	0.84	14.84
<b>Total Invoice:</b>		<b>29.00</b>				<b>1,042.65</b>	<b>0.00</b>	<b>62.56</b>	<b>1,105.21</b>

Ticket number(s) shipped from plant 05709 - ICA-CDA-Wyomng Rd/Rath Concret  
 \*3485491

Invoice Taxing Authority Summary:

ID0000 Idaho State Tax 62.56

Our Customer Portal is now available! Register at [MYMATERIALSPORTAL.COM](http://MYMATERIALSPORTAL.COM) or call accounts receivable at (509) 534-6221 for assistance.

Finance Charges will be applied to any late invoices at a rate of 1.5% per month per credit agreement or the State's Lawful Amount

Invoice Amount: 1,105.21

Amount Paid: \_\_\_\_\_

Customer Name: Apollo Inc.-East  
 Customer No: 10358  
 Invoice #: 393359  
 Date: 11/30/18  
 Customer Job: ELEC. DUCT BANKS  
 Customer PO: 0  
 Due Date: 01/10/19

If you have any questions about your invoice please call 208-765-1144

Remit Payment To: Interstate Concrete & Asphalt  
 P.O. Box 742347  
 Los Angeles, CA 90074

Please provide your email address below if you would like to start receiving your invoices via email



WCD 002

GE U BRACKETS MODIFICATIONS



March 12, 2018

Apollo, Inc.  
1133 West Columbia Drive  
Kennewick, WA 99336

Attn: Amy Jenne

Re: Coeur d'Alene Tertiary Treatment Phase 2 project  
WCD 002 – Modify GE Supplied U Bracket  
Engineer's Decision

Amy,

We have reviewed your cost proposal for WCD 002 Modify GE Supplied U Bracket. We have found your submitted cost proposal to be acceptable.

A total cost of \$10,124.41 and a total of 0 calendar days will be included in the forthcoming final Change Order.

Sincerely,  
HDR Engineering, Inc.

A handwritten signature in blue ink, appearing to read 'Todd Jensen'.

Todd Jensen, PE, CCM  
*Construction Manager*

cc: Jim Remitz – City of Coeur d'Alene Wastewater Department  
Rickey Schultz – HDR  
Lizzy English – HDR  
Mike Soucie – HDR  
Mary Scalise – HDR

Date of Issuance: Effective Date: 10/18/2017  
 Owner: City of Coeur d'Alene, ID Owner's Contract No.:  
 Contractor: Apollo Contractor's Project No.:  
 Engineer: HDR Engineer's Project No.: 10026247  
 Project: CDA Tertiary Phase 2 Improvements Contract Name:

**Contractor is directed to proceed promptly with the following change(s):**Description:

The GE supplied bracket and support system is configured in a manner that would require the removal of six I-beams and four U brackets in order to remove one membrane cassette. To avoid this scenario, the Contractor has proposed a solution that includes modifying the stainless steel U brackets and adding outside retainer angles as shown in the attached sketch.

Perform these modifications on the new brackets to be installed in Membrane Tanks 3, 4 and 5. Perform same modifications on the existing brackets in Membrane Tanks 1 and 2 if required.

Contractor to coordinate timing of work activities and confirm cost of work daily with on-site RPR.

Attachments:

1) Sketch of modifications to GE supplied U-bracket.

**Purpose for Work Change Directive:**

Directive to proceed promptly with the Work described herein, prior to agreeing to changes on Contract Price and Contract Time, is issued due to:

- Non-agreement on pricing of proposed change.  
 Necessity to proceed for schedule or other Project reasons.


**Estimated Change in Contract Price and Contract Times (non-binding, preliminary):**

Contract Price \$ TBD increase  
 Contract Time 0 days

**Basis of estimated change in Contract Price:**

- Lump Sum  Unit Price  
 Cost of the Work  Other

**RECOMMENDED:****AUTHORIZED BY:****RECEIVED:**

By:   
 Engineer (Authorized Signature)

By:   
 Owner (Authorized Signature)

By:   
 Contractor (Authorized Signature)

Title: Project Manager

Title: Cap. Program Mgr.

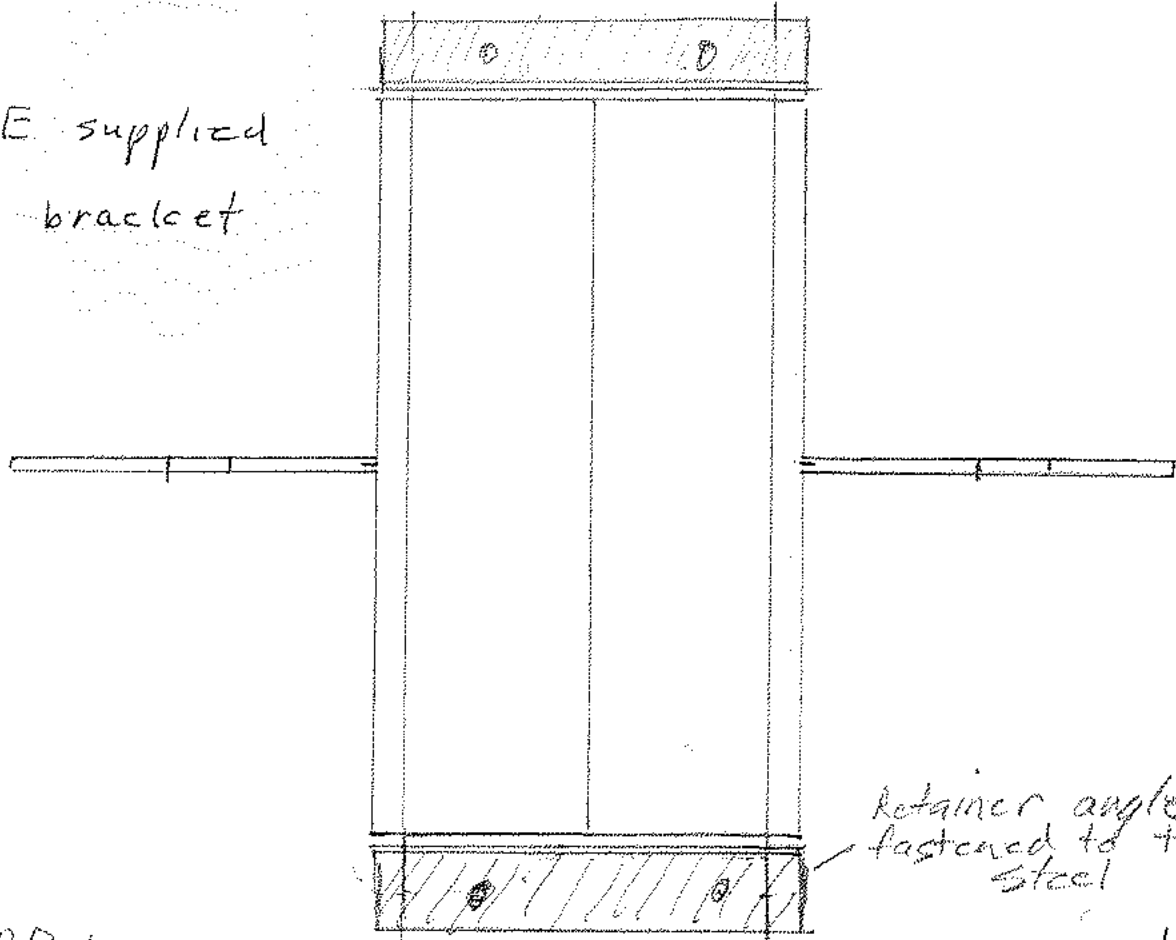
Title: RP

Date: 10/18/2017

Date: Oct. 18, 2017

Date: 10/18/17

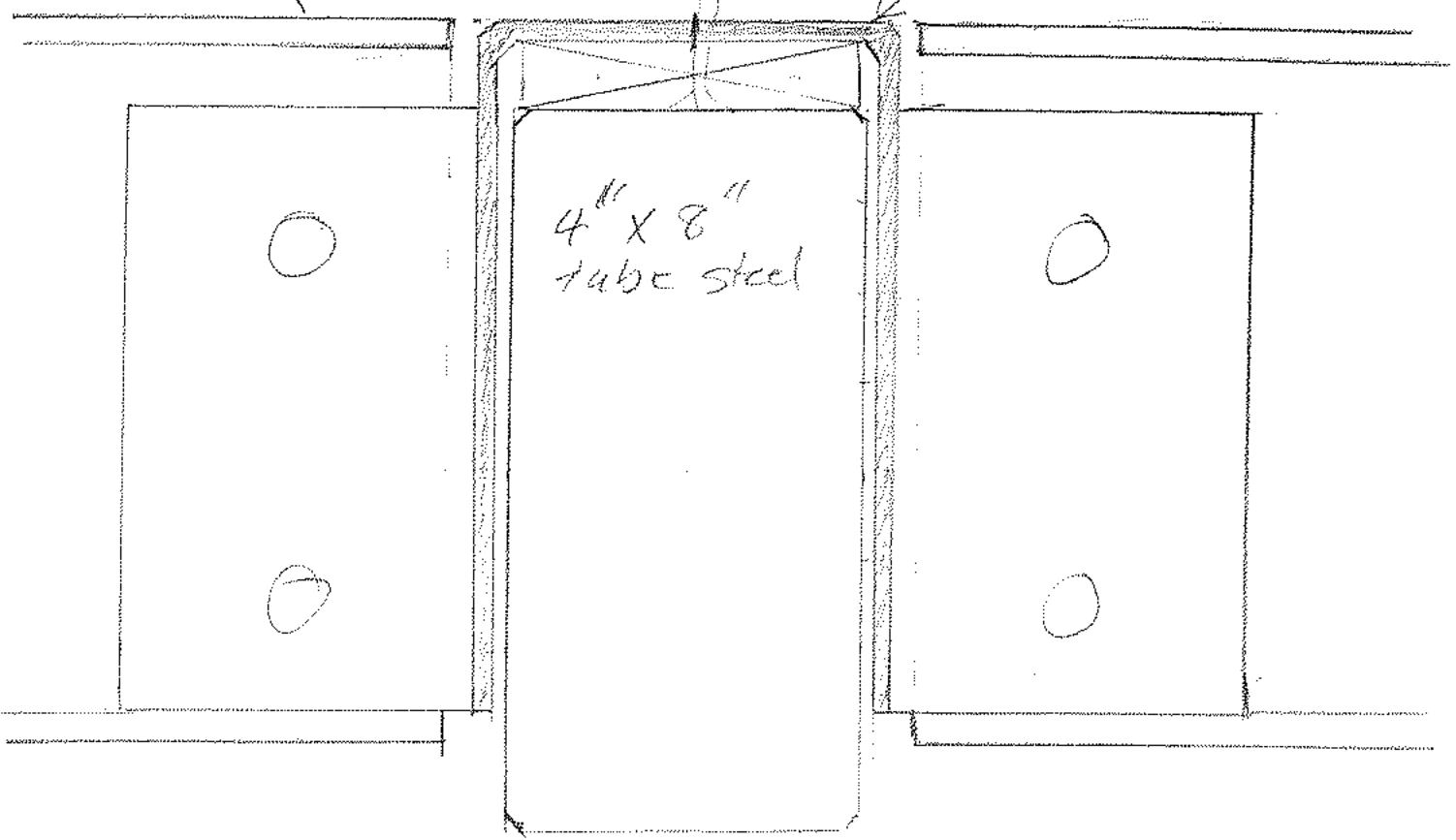
GE supplied  
u bracket



retainer angle  
fastened to tube  
steel

FRP beams

FRP support  
bracket



4" x 8"  
tube steel



**/// BUILDING PEOPLE WHO BUILD GREAT THINGS**

**Work Change Directive**  
**Project: City of Coeur d'Alene Tertiary Treatment Phase 2**  
**Apollo Inc.**

**WCD No:** 2

**Date:** 02/16/18

Description	Labor	Mat	Equip.	Subcont. Total	Supp Total	Total
Modify GE supplied U bracket	\$ 6,036.34	\$ 46.00	\$ 730.34	\$ 3,029.27	\$ 157.47	\$ 9,999.42
<b>SUBTOTAL COST &gt;</b>						<b>\$ 9,999.42</b>
Insurance Premium .5% - Changed Work >						\$ 50.00
Bond Premium .75% - Changed Work >						\$ 75.00
<b>TOTAL LUMP SUM COST &gt;</b>						<b>\$ 10,124.41</b>

Work Change Directive  
 Project: City of Coeur d'Alene Tertiary Treatment Phase 2  
 Apollo Inc.

WCD No: 2  
 Item No: 1  
 Date: 2/16/18

Item Description: Modify GE supplied U bracket

Description	Qty	U of M	Rate	Labor	Unit	Rate	Mat	Unit	Rate	Equip.	Subcont. Total	Total
<b>APOLLO - PROJECT SUPERVISION COSTS</b>												
Project Manager	4.0	HR	\$ 90.00	\$ 360.00								\$ 360.00
Project Superintendent	19.0	HR	\$ 79.56	\$ 1,511.64								\$ 1,511.64
Site Civil Superintendent	0.0	HR	\$ 68.08	\$ -								\$ -
<b>APOLLO - CRAFT LABOR COSTS</b>												
<b>Carpenters</b>												
Carpenter	11.0	HR	\$ 38.37	\$ 422.07								\$ 422.07
<b>Laborers</b>												
General	70.0	HR	\$ 34.36	\$ 2,405.20								\$ 2,405.20
<b>APOLLO - OPERATED EQUIPMENT</b>												
<b>Forklift - CAT TH83</b>												
+ Operator	12.0	HR	\$ 45.84	\$ 550.08								\$ 550.08
+ Operating Costs	12.0							HRLY	\$ 39.59	\$ 475.08		\$ 475.08
<b>APOLLO - OTHER EQUIPMENT COSTS</b>												
Scaffolding	1.0							L.S	\$ 150.00	\$ 150.00		\$ 150.00
Grinders	1.0							LS	\$ 10.00	\$ 10.00		\$ 10.00
										\$ -		\$ -
<b>APOLLO - MATERIAL COSTS</b>												
Grinding Flappers	2.0				LS	\$ 20.00	\$ 40.00					\$ 40.00
							\$ -					\$ -
							\$ -					\$ -
Apollo - Subtotal Direct Costs >				\$ 5,248.99			\$ 40.00			\$ 635.08		\$ 5,924.07
Markup on Self-Performed Labor, Mat'l's & Equipment >	15.0%			\$ 787.35			\$ 6.00			\$ 95.26		\$ 888.61
<b>SUBCONTRACTOR COSTS</b>												
Solid Rock	1.0										\$ 340.00	\$ 340.00
Solid Rock	1.0										\$ 810.00	\$ 810.00
Solid Rock	1.0										\$ 1,555.02	\$ 1,555.02
Solid Rock	1.0										\$ 180.00	\$ 180.00
											\$ -	\$ -
											\$ -	\$ -
Subtotal Subcontractors Costs >											\$ 2,885.02	\$ 2,885.02
Markup on Subcontractor Costs >	5.0%										\$ 144.25	\$ 144.25
<b>SUPPLEMENTAL COSTS</b>												
Special Consultants											\$ -	\$ -
Subsistence for Project Supervision					HR	\$ 11.25	\$ -				\$ -	\$ -
Temporary Facilities at the Site					LS		\$ -				\$ -	\$ -
Small Tools	1.0				LS	\$ 157.47	\$ 157.47				\$ -	\$ 157.47
Subtotal Supplementary Costs >						\$ 157.47					\$ -	\$ 157.47
Markup on Supplementary Costs >	0.0										\$ -	\$ -

Contractor - Total Direct Costs w/Markup >	\$	9,999.42
Insurance Premium .5% - Changed Work >	\$	50.00
Bond Premium .75% - Changed Work >	\$	75.00
<b>TOTAL LUMP SUM COST &gt;</b>	<b>\$</b>	<b>10,124.41</b>



**EXTRA WORK ORDER**

CUSTOMER: City of Coeur d'Alene	EWO:
ADDRESS: WCD #2 Continuation	Job #: P 162
WORK ORDERED BY: HDR/City of CDA	JOB NAME: CDA Tertiary Treatment Ph. 2
	DATE: DAY:

Description of Work: Tank #2, ① Supply access for welder, ② weld guide plates, ③ remove alignment nuts and ④ replace FRP covers

NAME	LABOR			EQUIPMENT USED	
	CLASS	ST	OT	DESCRIPTION	HOURS
Bruce Cantvall ①	Corp	2			
Brent Stewart ①	Lab	2			
Bruce Cantvall (3/4)	Corp	4			
Brent Stewart (3/4)	Lab	2			
				TOTAL EQUIPMENT	

CONTRACT MATERIALS				SUBCONTRACTOR	
DESCRIPTION	QUANTITY	PRICE			
				Solid Rock	
				TOTAL SUBCONTRACTOR	

OFFICE USE ONLY: COST SUMMARY					
				LABOR	
				MATERIALS	
				EQUIPMENT	
				TRUCK RENTAL/SUBCONTRACTOR	\$ -
				SUB-TOTAL	\$ -
				OH&P - LABOR	\$ -
				OH&P - EQUIPMENT	\$ -
				OH&P - MATERIALS	\$ -
				OH&P - TRUCK RENTAL/SUBCONTRACTOR	\$ -
TOTAL OUTSIDE MATERIALS				TOTAL AMOUNT	\$ -

*Mark Bunker*  
Submitted by Apollo Representative

*Mike Lomax*  
Authorized By Project Representative  
2-15-2018





## EXTRA WORK ORDER

NU

CUSTOMER: City of Coeur d'Alene				EWO:	
ADDRESS:				Job #: P 162	
WORK ORDERED BY: HDR/City of COA				JOB NAME: CDA Tertiary Treatment Ph. 2	
Description of Work: TMF membrane tanks cut U-brackets and weld guides on membrane support stub steel. Tanks #1 and #3 thru #6, Tank #2 to be completed. WCD #2				DATE: DAY:	
See attach:					
32 x 2 work prep for welder. w/l.					
WCD #2					
LABOR				EQUIPMENT USED	
NAME	CLASS	HOURS		DESCRIPTION	HOURS
		ST	OT		
				Fork lift	12hr
				Scaffolding - layout	
				Grinders, U-brackets & nuts	
				TOTAL EQUIPMENT	
CONTRACT MATERIALS				SUBCONTRACTOR	
DESCRIPTION	QUANTITY	PRICE			
Grinding flappers	2x	\$20.00			
				TOTAL SUBCONTRACTOR	
OFFICE USE ONLY: COST SUMMARY					
				LABOR	
				MATERIALS	
				EQUIPMENT	
				TRUCK RENTAL/SUBCONTRACTOR	\$ -
				SUB-TOTAL	\$ -
				OH&P - LABOR	\$ -
				OH&P - EQUIPMENT	\$ -
				OH&P - MATERIALS	\$ -
				OH&P - TRUCK RENTAL/SUBCONTRACTOR	\$ -
TOTAL OUTSIDE MATERIALS				TOTAL AMOUNT	
				\$ -	

*Michael Cramer*  
Submitted by Apollo Representative

*Walter Sorensen*  
Authorized By Project Representative

Kevin Buvice	- prep demonstration presentation	4 hrs
KB	- transport to Solid Rock for cutting	4 hrs
Solid Rock	- cut U-brackets	\$400.00
KB	- transport back to site	3 hrs
KB	- grind sharp edges at cuts	8 hrs
Brent Stewart	- Remove covers, lay out, access for welder,	32 hrs Lab
Byron Walker	- welder support + clean up, <sup>move Alan</sup> planks	32 hrs Lab
Bruce Cantrell	- Grind off nubs at membrane tank #1	5 hrs carp
Brent Stewart	and replace covers	2 hr lab
Solid Rock	- Fab guide parts	\$1,555.02
Solid Rock	- weld guide parts	\$810.00

Items left to complete:

Guide installation and nub removal at tank #2



**Solid Rock Gate Supply Inc dba Welding  
Fabrication Services**

6955 N Pleasant View Rd  
Post Falls, ID 83854

**Bill To**

Apollo Inc  
Kevin Burke  
1133 West Columbia Drive  
Kennewick, WA 99336

Phone: (208) 457-8048  
Fax: (208) 457-8858  
E-Mail: sales@welding-fab.com

## Invoice

<i>Date</i>	<i>Terms</i>	<i>P.O. Number</i>	<i>Invoice #</i>
10/23/2017	Due on receipt	P162	20521

<i>Description</i>	<i>Color</i>	<i>Quantity</i>	<i>Price Each</i>	<i>Amount</i>
CUT STAINLESS STEEL BRACKETS		4	85.00	340.00T
APOLLO, INC. OCT 26 2017 RECEIVED				

Work Order #

Thank you for your business.  
Late Charges of 1.5% per month assessed on past due balances.

<b>Sales Tax (6.0%)</b>	\$20.40
<b>Payments/Credits</b>	\$0.00
<b>Balance Due</b>	\$360.40

**Solid Rock Gate Supply Inc dba Welding  
Fabrication Services**

6955 N Pleasant View Rd  
Post Falls, ID 83854

**Bill To**

Apollo Inc  
Kevin Burke  
1133 West Columbia Drive  
Kennewick, WA 99336

Phone: (208) 457-8048  
Fax: (208) 457-8858  
E-Mail: sales@welding-fab.com

**Invoice**

<b>Date</b>	<b>Terms</b>	<b>P.O. Number</b>	<b>Invoice #</b>
12/5/2017	Due on receipt		20703

Description	Color	Quantity	Price Each	Amount
WELDING ANGLE IRON & FLATBAR ON OUTSIDE SUPPORTS @ CITY OF CDA  TWF membrane, tube steel quite parts being worked, Extra work		9	90.00	810.00

Work Order #

Thank you for your business.

Late Charges of 1.5% per month assessed on past due balances.

<b>Sales Tax (6.0%)</b>	50.00
<b>Payments/Credits</b>	\$0.00
<b>Balance Due</b>	\$810.00

**Solid Rock Gate Supply Inc dba Welding  
Fabrication Services**

6955 N Pleasant View Rd  
Post Falls, ID 83854

**Bill To**

Apollo Inc  
Kevin Burke  
1133 West Columbia Drive  
Kennewick, WA 99336

Phone: (208) 457-8048  
Fax: (208) 457-8858  
E-Mail: sales@welding-fab.com

## Invoice

**Date** 12/5/2017      **Terms** Due on receipt      **P.O. Number**      **Invoice #** 20701

Description	Color	Quantity	Price Each	Amount
120 PIECES OF ANGLE			889.00	889.00T
60 PIECES OF FLATBAR			578.00	578.00T
*INVOICE AS PER ESTIMATE 3135*				
TME membrane tube steel guide parts for FRP beams. <u>Extra work</u>				

Work Order #

Thank you for your business.

Late Charges of 1.5% per month assessed on past due balances.

<b>Sales Tax (6.0%)</b>	\$88.02
<b>Payments/Credits</b>	\$0.00
<b>Balance Due</b>	\$1,555.02

**Solid Rock Gate Supply Inc dba Welding  
Fabrication Services**

6955 N Pleasant View Rd  
Post Falls, ID 83854

**Bill To**

Apollo Inc  
Kevin Burke  
1133 West Columbia Drive  
Kennewick, WA 99336

Phone: (208) 457-8048  
Fax: (208) 457-8858  
E-Mail: sales@welding-fab.com

**Invoice**

**Date**                      **Terms**    **P.O. Number**      **Invoice #**  
2/12/2018                  Due on receipt                         20852

<i><b>Description</b></i>	<i><b>Color</b></i>	<i><b>Quantity</b></i>	<i><b>Price Each</b></i>	<i><b>Amount</b></i>
WCD 2 MEMBRANE TANK TO BEAM GUIDES			180.00	180.00

Work Order #

Thank you for your business.  
Late Charges of 1.5% per month assessed on past due balances.

<b>Sales Tax (6.0%)</b>	\$0.00
<b>Payments/Credits</b>	\$0.00
<b>Balance Due</b>	\$180.00

WCD 003

ADDITIONAL ASPHALT TMF





March 21, 2018

Apollo, Inc.  
1133 West Columbia Drive  
Kennewick, WA 99336

Attn: Amy Jenne

Re: Coeur d'Alene Tertiary Treatment Phase 2 project  
WCD 003 – Extra ACP at TMF Facility  
Engineer's Decision

Amy,

We have reviewed your cost proposal for WCD 003 – Extra ACP at TMF Facility. We have found your submitted cost proposal to be acceptable.

A total cost of \$5,094.07 and a total of 0 calendar days will be included in the forthcoming final Change Order.

Sincerely,  
HDR Engineering, Inc.

A handwritten signature in blue ink, appearing to read 'Todd Jensen'.

Todd Jensen, PE, CCM  
*Construction Manager*

cc: Jim Remitz – City of Coeur d'Alene Wastewater Department  
Rickey Schultz – HDR  
Lizzy English – HDR  
Mike Soucie – HDR  
Mary Scalise – HDR

Date of Issuance: Effective Date: 10/23/2017  
 Owner: City of Coeur d'Alene, ID Owner's Contract No.:  
 Contractor: Apollo Contractor's Project No.:  
 Engineer: HDR Engineer's Project No.: 10026247  
 Project: CDA Tertiary Phase 2 Improvements Contract Name:

**Contractor is directed to proceed promptly with the following change(s):**

Description:

Field discussions between the City/HDR/Apollo have resulted in an agreement to modify the Site Civil Enlarged Grading and Paving Plan Drawing 001C206 for the area enclosed by Construction Control Points 11, 12, 13, and 14. The attached sketch provides a red hatched area for additional removal and replacement paving to what is scheduled on Drawing 001C206, for the area north of the TMF.

The attached sketch provides elevations of existing pavement. The contractor shall work with HDR to slope the modified scheduled area at a 2% slope towards the new catch basin location, while using the unchanged elevations of the asphalt at the perimeter of the replacement area as the maximum elevations. The attached sketch also calls out the New CB with top of grate elevation TBD. Adjust rim elevation of new catch basin as needed based on a 2% slope from the outermost and lowermost corner of the scheduled perimeter.

Contractor to coordinate timing of work activities and confirm labor, equipment and materials daily with on-site RPR.

Attachments:

1) Sketch of additional square footage of asphalt and elevations provided by Apollo. A preliminary calculation of volume and unit price for materials is provided.

**Purpose for Work Change Directive:**

Directive to proceed promptly with the Work described herein, prior to agreeing to changes on Contract Price and Contract Time, is issued due to:

- Non-agreement on pricing of proposed change.
- Necessity to proceed for schedule or other Project reasons.

**Estimated Change in Contract Price and Contract Times (non-binding, preliminary):**

Contract Price \$ 5,000 increase  
 Contract Time 0 days



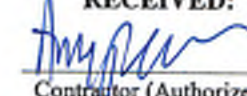
**Basis of estimated change in Contract Price:**

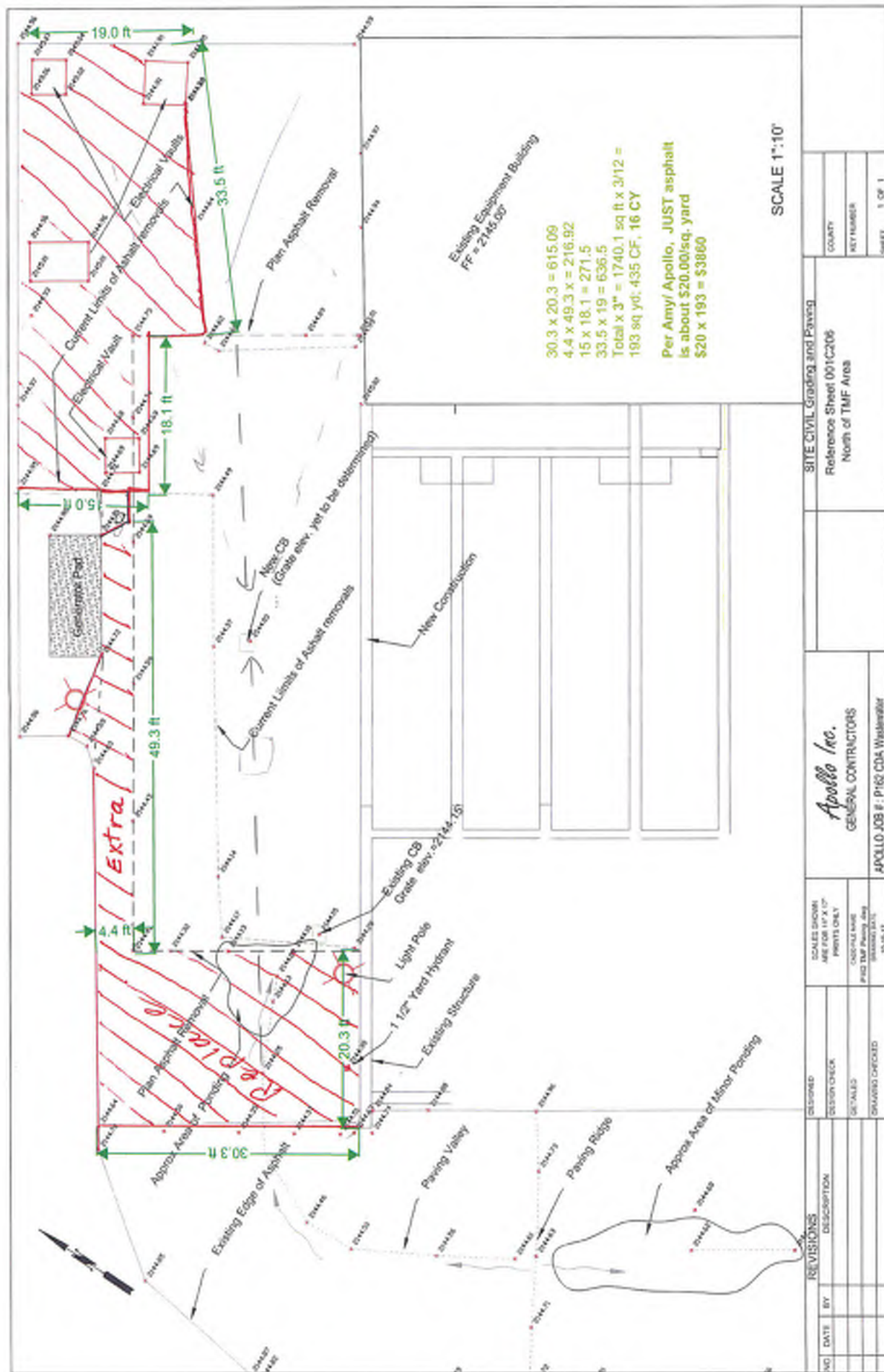
- Lump Sum
- Cost of the Work
- Unit Price
- Other

**RECOMMENDED:**

**AUTHORIZED BY:**

**RECEIVED:**

By: 	By: 	By: 
Engineer (Authorized Signature)	Owner (Authorized Signature)	Contractor (Authorized Signature)
Title: Project Manager	Title: Cap. Program Mgr	Title: VI
Date: 10/24/2017	Date: Oct. 24, 2017	Date: 10/26/17



SCALE 1"=10'

REVISIONS		DESIGNED	SCALE SHOWN	GENERAL CONTRACTORS		SITE CIVIL Grading and Paving		
NO.	DATE	BY	DESCRIPTION	DESIGN CHECK	DETAILS	DRAWING CHECKED	APOLLO JOB #	Reference Sheet
							P162 CD4 Washwater	001C206
								North of TMF Area
								COUNTY
								KEY NUMBER
								SHEET 1 OF 1

**Apollo Inc.**  
GENERAL CONTRACTORS

APOLLO JOB # : P162 CD4 Washwater

SCALE SHOWN  
AS FOR 1"=10'  
PRINTS ONLY  
CHECKED NAME  
P162 TMF Paving Area  
DATE  
10-18-17

DESIGNED  
DESIGN CHECK  
DETAILS  
DRAWING CHECKED

APOLLO JOB # : P162 CD4 Washwater

Reference Sheet 001C206

North of TMF Area

COUNTY

KEY NUMBER

SHEET 1 OF 1



**/// BUILDING PEOPLE WHO BUILD GREAT THINGS**

**Work Change Directive**  
 Project: City of Coeur d'Alene Tertiary Treatment Phase 2  
 Apollo Inc.

WCD No: 3

Date: 01/12/18

Description	Labor	Mat	Equip.	Subcont. Total	Supp Total	Total
Extra ACP at TMF Facility	\$ 1,465.56	\$ 115.00	\$ 478.75	\$ 2,933.65	\$ 38.23	\$ 5,031.18
<b>SUBTOTAL COST &gt;</b>						<b>\$ 5,031.18</b>
Insurance Premium .5% - Changed Work >						\$ 25.16
Bond Premium .75% - Changed Work >						\$ 37.73
<b>TOTAL LUMP SUM COST &gt;</b>						<b>\$ 5,094.07</b>

Work Change Directive  
 Project: City of Coeur d'Alene Tertiary Treatment Phase 2  
 Apollo Inc.

WCD No: 3  
 Item No: 1  
 Date: 1/12/18

Item Description: Extra ACP at TMF Facility 173sy

Description	Qty	U of M	Rate	Labor	Unit	Rate	Mat	Unit	Rate	Equip.	Subcont. Total	Total
<b>APOLLO - PROJECT SUPERVISION COSTS</b>												
Project Manager	2.0	HR	\$ 90.00	\$ 180.00								\$ 180.00
Project Superintendent	0.0	HR	\$ 79.56	\$ -								\$ -
Site Civil Superintendent	8.0	HR	\$ 68.08	\$ 544.64								\$ 544.64
<b>APOLLO - CRAFT LABOR COSTS</b>												
<b>Laborers</b>												
General	16.0	HR	\$ 34.36	\$ 549.76								\$ 549.76
<b>APOLLO - OPERATED EQUIPMENT</b>												
<b>Excavator - CAT 303</b>												
+ Operator	0.0	HR	\$ 45.84	\$ -								\$ -
+ Operating Costs	2.0							HRLY	\$ 19.42	\$ 38.84		\$ 38.84
<b>Excavator - CAT 312C L</b>												
+ Operator	0.0	HR	\$ 45.84	\$ -								\$ -
+ Operating Costs	2.0							HRLY	\$ 50.93	\$ 101.86		\$ 101.86
<b>Loader - CAT 950H</b>												
+ Operator	0.0	HR	\$ 45.84	\$ -								\$ -
+ Operating Costs	2.0							HRLY	\$ 73.23	\$ 146.46		\$ 146.46
<b>On-Highway Rear Dumps</b>												
+ Operator	0.0	HR	\$ 39.42	\$ -								\$ -
+ Operating Costs	2.0							HRLY	\$ 64.57	\$ 129.14		\$ 129.14
<b>APOLLO - MATERIAL COSTS</b>												
Dump Fees	20.0					\$ 5.00	\$ 100.00					\$ 100.00
							\$ -					\$ -
Apollo - Subtotal Direct Costs >				\$ 1,274.40			\$ 100.00			\$ 416.30		\$ 1,790.70
Markup on Self-Performed Labor, Mat'l's & Equipment >	15.0%			\$ 191.16			\$ 15.00			\$ 62.45		\$ 268.61
<b>SUBCONTRACTOR COSTS</b>												
Interstate	173 sy										\$ 2,793.95	\$ 2,793.95
											\$ -	\$ -
Subtotal Subcontractors Costs >											\$ 2,793.95	\$ 2,793.95
Markup on Subcontractor Costs >	5.0%										\$ 139.70	\$ 139.70
<b>SUPPLEMENTAL COSTS</b>												
Special Consultants											\$ -	\$ -
Subsistence for Project Supervision					HR	\$ 11.25	\$ -					\$ -
Temporary Facilities at the Site					LS	\$ -	\$ -					\$ -
Small Tools	1.0				LS	\$ 38.23	\$ 38.23					\$ 38.23
Subtotal Supplementary Costs >						\$ 38.23	\$ 38.23				\$ -	\$ 38.23
Markup on Supplementary Costs >	0.0											

<b>Contractor - Total Direct Costs w/Markup &gt;</b>	<b>\$ 5,031.18</b>
Insurance Premium .5% - Changed Work >	\$ 25.16
Bond Premium .75% - Changed Work >	\$ 37.73
<b>TOTAL LUMP SUM COST &gt;</b>	<b>\$ 5,094.07</b>





## EXTRA WORK ORDER

CUSTOMER: City of Coeur d'Alene	EWO:
ADDRESS:	Job #: P 162
WORK ORDERED BY: HDR / City of Coeur d'Alene	JOB NAME: CDA Tertiary Treatment Ph. 2
Description of Work: Asphalt removal and regrading at north TMF area for new asphalt.	DATE: 10/30/17 DAY:

WCD 003 r/s.

NAME	LABOR			DESCRIPTION	HOURS
	CLASS	ST	OT		
Craig Jenne	Supt	8		Dump truck	2
Jane Skulte	laborer	8		312 track hoe	2
Eli Lund	laborer	8		303 track hoe	2
				950 Loader	2
TOTAL EQUIPMENT					

CONTRACT MATERIALS				SUBCONTRACTOR	
DESCRIPTION	QUANTITY	PRICE			
Dump fees	20 yds				
TOTAL SUBCONTRACTOR					

OFFICE USE ONLY: COST SUMMARY					
				LABOR	
				MATERIALS	
				EQUIPMENT	
				TRUCK RENTAL/SUBCONTRACTOR	\$ -
				SUB-TOTAL	\$ -
				OH&P - LABOR	\$ -
				OH&P - EQUIPMENT	\$ -
				OH&P - MATERIALS	\$ -
				OH&P - TRUCK RENTAL/SUBCONTRACTOR	\$ -
TOTAL OUTSIDE MATERIALS					
TOTAL AMOUNT					\$ -

*Michael [Signature]*  
Submitted by Apollo Representative

*Walter [Signature]*  
Authorized By Project Representative

## Jensen, Todd

---

**From:** Amy Jenne <amy.jenne@apollo-gc.com>  
**Sent:** Thursday, March 15, 2018 1:15 PM  
**To:** Soucie, Michael  
**Cc:** Jensen, Todd  
**Subject:** FW: [EXT] RE: CDA Tertiary Phase II

Hi Mike,

Interstate did not send an invoice that provided quantity or unit price with their subcontractor application for payment (which is on our forms) so, I had to ask them for a breakdown back in December. The unit price you are looking to confirm is below in Brian's 1/12/18 email. Let me know if you have any further questions.

Amy Jenne

Vice President  
Apollo, Inc.  
1-509-987-1417 direct phone



---

**From:** Dagon, Brian (Interstate Concrete) [mailto:bdagon@oldcastlematerials.com]  
**Sent:** Friday, January 12, 2018 9:32 AM  
**To:** Amy Jenne <amy.jenne@apollo-gc.com>  
**Subject:** RE: [EXT] RE: CDA Tertiary Phase II

Sounds good. Sorry about that. Thank you

**Brian Dagon**  
Construction Manager  
(Cell) 208-661-4541  
(Office) 208-666-6116  
(Fax) 208-687-4597  
[bdagon@oldcastlematerials.com](mailto:bdagon@oldcastlematerials.com)



---

**From:** Amy Jenne [mailto:amy.jenne@apollo-gc.com]  
**Sent:** Friday, January 12, 2018 9:26 AM



To: Dagon, Brian (Interstate Concrete) <[bdagon@oldcastlematerials.com](mailto:bdagon@oldcastlematerials.com)>

Subject: RE: [EXT] RE: CDA Tertiary Phase II

Brian,

This is all I need to verify your billing amount. This was not attached to your billing documentation. I will get back to you if I have any questions.

Thanks.

Amy

---

From: Dagon, Brian (Interstate Concrete) [<mailto:bdagon@oldcastlematerials.com>]

Sent: Friday, January 12, 2018 9:25 AM

To: Amy Jenne <[amy.jenne@apollo-gc.com](mailto:amy.jenne@apollo-gc.com)>

Subject: RE: [EXT] RE: CDA Tertiary Phase II

Amy – What type of breakdown are you looking for. All I have is square yardage that I billed as per what my superintendent measured in the field.

Asphalt Paving	438 SY	\$16.15	\$7,073.70
Trench Patching	66 SY	\$57.00	\$3,762.00
Additional Mobilization	0 EACH	\$1,000.00	\$0.00
<b>TOTAL BILLING AMOUNT</b>			<b>= \$10,835.70</b>

Please let me know what specific information you are needing outside of the square yards. Thanks,

**Brian Dagon**

Construction Manager

(Cell) 208-661-4541

(Office) 208-666-6116

(Fax) 208-687-4597

[bdagon@oldcastlematerials.com](mailto:bdagon@oldcastlematerials.com)



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From: Amy Jenne [<mailto:amy.jenne@apollo-gc.com>]

Sent: Friday, January 12, 2018 8:49 AM

To: Dagon, Brian (Interstate Concrete) <[bdagon@oldcastlematerials.com](mailto:bdagon@oldcastlematerials.com)>

Subject: [EXT] RE: CDA Tertiary Phase II

Brian,

Have you had a chance to take a look at this? I need this information to process your pay application.

Thanks.

Amy Jenne

Vice President  
Apollo, Inc.  
1-509-987-1417 direct phone

-----Original Message-----

From: Amy Jenne  
Sent: Friday, December 29, 2017 9:32 AM  
To: 'Dagon, Brian (Interstate Concrete)' <[bdagon@oldcastlematerials.com](mailto:bdagon@oldcastlematerials.com)>  
Subject: CDA Tertiary Phase II

Hi Brian,

I received your subcontractor application for payment (attached). However, you did not include a breakdown of quantities for which you are billing. Please forward me a breakdown asap as I want to include this amount in our December application for payment to the City.

Thank you.

Amy Jenne

Vice President  
Apollo, Inc.  
1-509-987-1417 direct phone

-----Original Message-----

From: Apollo Inc. Scan On Behalf Of [apolloincscan@apollo-gc.com](mailto:apolloincscan@apollo-gc.com)  
Sent: Thursday, December 28, 2017 9:50 PM  
To: Amy Jenne <[amy.jenne@apollo-gc.com](mailto:amy.jenne@apollo-gc.com)>  
Subject: Scanned image from MX-6240N

Reply to: [apolloincscan@apollo-gc.com](mailto:apolloincscan@apollo-gc.com) <[apolloincscan@apollo-gc.com](mailto:apolloincscan@apollo-gc.com)> Device Name: Not Set Device Model: MX-6240N  
Location: Not Set

File Format: PDF (Medium)  
Resolution: 200dpi x 200dpi

Attached file is scanned image in PDF format.

Use Acrobat(R)Reader(R) or Adobe(R)Reader(R) of Adobe Systems Incorporated to view the document. Adobe(R)Reader(R) can be downloaded from the following URL:

Adobe, the Adobe logo, Acrobat, the Adobe PDF logo, and Reader are registered trademarks or trademarks of

WCD 004

PERMEATE PIPING ORIENTATION



August 13, 2018

Apollo, Inc.  
1133 West Columbia Drive  
Kennewick, WA 99336

Attn: Amy Jenne

Re: Coeur d'Alene Tertiary Treatment Phase 2 project  
WCD 004 – Relocate Permeate Piping Valves  
Engineer's Decision

Amy,

We have reviewed your cost proposal for WCD 004 Relocate Permeate Piping Valves. We have found your submitted cost proposal to be acceptable.

A total cost of \$4,079.36 and a total of 0 calendar days will be included in the forthcoming final Change Order.

Sincerely,  
HDR Engineering, Inc.

A handwritten signature in blue ink, appearing to read 'Todd Jensen'.

Todd Jensen, PE, CCM  
*Construction Manager*

cc: Jim Remitz – City of Coeur d'Alene Wastewater Department  
Rickey Schultz – HDR  
Mike Soucie – HDR  
Mary Scalise – HDR

Date of Issuance: Effective Date: 11/08/2017  
 Owner: City of Coeur d'Alene, ID Owner's Contract No.:  
 Contractor: Apollo Contractor's Project No.:  
 Engineer: HDR Engineer's Project No.: 10026247  
 Project: CDA Tertiary Phase 2 Improvements Contract Name:

**Contractor is directed to proceed promptly with the following change(s):**Description:

Per contract work, Contractor moved the vertical leg of the permeate piping. Now that vertical leg conflicts with existing valve actuator. Contractor shall complete the following modifications:

1. Contractor shall remove the isolation chain driven butterfly valve and relocate it on the other side of the east spool piece it is connected to. This will shift the existing spool piece towards the west wall.
2. Contractor shall relocate actuator driven butterfly valve to between the two spool pieces and roll the actuator to the vertical orientation.
3. Electricians shall rewire actuator as necessary.
4. This work is typical for all 5 Purge lines.

Contractor shall confirm work activities daily with on-site RPR.

Attachments:

- 1) Photo of problem encountered with vertical pipe interfering with actuator.
- 2) Photos showing work to be performed.

**Purpose for Work Change Directive:**

Directive to proceed promptly with the Work described herein, prior to agreeing to changes on Contract Price and Contract Time, is issued due to:

- Non-agreement on pricing of proposed change.  
 Necessity to proceed for schedule or other Project reasons.

**Estimated Change in Contract Price and Contract Times (non-binding, preliminary):**

Contract Price \$ TBD increase  
 Contract Time 0 days [increase] [decrease].


**Basis of estimated change in Contract Price:**

- Lump Sum  Unit Price  
 Cost of the Work per Day  Other

**RECOMMENDED:****AUTHORIZED BY:****RECEIVED:**

By:   
 Engineer (Authorized Signature)

By:   
 Owner (Authorized Signature)

By:   
 Contractor (Authorized Signature)

Title: Project Manager

Title: Cap Program MGR.

Title: VP

Date: 11/08/17

Date: 11-9-2017

Date: 2/27/18



**/// BUILDING PEOPLE WHO BUILD GREAT THINGS**

**Work Change Directive**  
 Project: City of Coeur d'Alene Tertiary Treatment Phase 2  
 Apollo Inc.

WCD No: 4

Date: 07/30/18

Description	Labor	Mat	Equip.	Subcont. Total	Supp Total	Total
Relocate Permeate Piping Valves	\$ 2,995.84	\$ 805.92	\$ -	\$ 149.08	\$ 78.15	\$ 4,028.99
<b>SUBTOTAL COST &gt;</b>						<b>\$ 4,028.99</b>
Insurance Premium .5% - Changed Work >						\$ 20.14
Bond Premium .75% - Changed Work >						\$ 30.22
<b>TOTAL LUMP SUM COST &gt;</b>						<b>\$ 4,079.36</b>

Work Change Directive  
 Project: City of Coeur d'Alene Tertiary Treatment Phase 2  
 Apollo Inc.

WCD No: 4  
 Item No: 1  
 Date: 7/30/18

Item Description: Relocate Permeate Piping Valves

Description	Qty	U of M	Rate	Labor	Unit	Rate	Mat	Unit	Rate	Equip.	Subcont. Total	Total
<b>APOLLO - PROJECT SUPERVISION COSTS</b>												
Project Manager	2.0	HR	\$ 90.00	\$ 180.00								\$ 180.00
Project Superintendent	4.0	HR	\$ 79.56	\$ 318.24								\$ 318.24
Site Civil/Mech Superintendent	8.0	HR	\$ 68.08	\$ 544.64								\$ 544.64
<b>APOLLO - CRAFT LABOR COSTS</b>												
<b>Laborers</b>												
General	10.0	HR	\$ 34.36	\$ 343.60								\$ 343.60
<b>Pipefitter</b>												
Pipefitter	20.0	HR	\$ 60.93	\$ 1,218.60								\$ 1,218.60
<b>APOLLO - MATERIAL COSTS</b>												
Bolt Kits	1.0				LS	\$ 700.80	\$ 700.80					\$ 700.80
							\$ -					\$ -
							\$ -					\$ -
Apollo - Subtotal Direct Costs >				\$ 2,605.08		\$ 700.80				\$ -		\$ 3,305.88
Markup on Self-Performed Labor, Mat'ls & Equipment >	15.0%			\$ 390.76		\$ 105.12				\$ -		\$ 495.88
<b>SUBCONTRACTOR COSTS</b>												
Mountain States Electric	1										\$ 141.98	\$ 141.98
											\$ -	\$ -
Subtotal Subcontractors Costs >											\$ 141.98	\$ 141.98
Markup on Subcontractor Costs >	5.0%										\$ 7.10	\$ 7.10
<b>SUPPLEMENTAL COSTS</b>												
Special Consultants											\$ -	\$ -
Subsistence for Project Supervision					HR	\$ 11.25	\$ -					\$ -
Temporary Facilities at the Site					LS	\$ -	\$ -					\$ -
Small Tools	1.0				LS	\$ 78.15	\$ 78.15					\$ 78.15
Subtotal Supplementary Costs >						\$ 78.15					\$ -	\$ 78.15
Markup on Supplementary Costs >	0.0											

Contractor - Total Direct Costs w/Markup >	\$ 4,028.99
Insurance Premium .5% - Changed Work >	\$ 20.14
Bond Premium .75% - Changed Work >	\$ 30.22
<b>TOTAL LUMP SUM COST &gt;</b>	<b>\$ 4,079.36</b>





**H.D. FOWLER  
COMPANY**PO Box 84368 \* Seattle, WA \* 98124-5668  
425-346-8900Invoice  
Number **14667430**PSDS  
# 015290Pasco Branch  
1335 Dietrich Road  
Pasco, WA 99301  
(509) 545-0255 Fax (509) 545-0299

To:  APOLLO INC Attn: Accounts Payable PO Box 7305 KENNEWICK WA 993360617	Ship to: 915 HUBBARD AVE	
	COEUR D'ALENE	ID 83814
Order# O5701259	Inv Date: 10/18/17	Order Writer: Matt Mahan

Terms: 10P+30	Due: 12/10/17	POJOB: TMF/PERMEATE
FCB: JOBSITE	Ship Via: VENDOR'S CHOICE	P162 TERTIARY TREATMENT PHAS

Line	Qty Ship'd	Qty BO'd	UoM	Part # Description	Unit Price	Extended Price	T X
3	8	0	EA	6" MECHANICALLY GALV BOLT KIT, DOMESTIC	140.160	1121.28	Y
4	2	0	EA	6" 1/8" FULL FACE RED RUBBER GASKET, 150#	3.360	6.72	Y
5	4	0	EA	8" MECHANICALLY GALV BOLT KIT, DOMESTIC	140.160	560.64	Y
Sub total						1,688.64	
Freight						0.00	
Tax						101.32	
Grand Total						1,789.96	

TONY D

Serving the Pacific Northwest since 1911



**TIME and MATERIAL COST**

Request No: 31

To: CITY OF CDA - WWTP

Date Of Proposal: 6/18/2018

Job #: 17-010

Regarding: WCD-04

Job Name: CDA TERITARY TREATMENT PHASE 2

Attention: \_\_\_\_\_

Work To Be Done: PER WCD-04

DISCONNECT / RECONNECT ACTUATOR DRIVEN BUTTERFLY VALVE

**LABOR CLASSIFICATION**

	<u>RATES</u>			<u>HOURS</u>			<u>EXTENDED</u>
	STRAIGHT	OVERTIME	DBL TIME	STRAIGHT	OVERTIME	DOUBLE TIME	
FOREMAN	\$ 70.99	\$ 95.14	\$ 119.29	2.00			\$ 141.98
JOURNEYMAN	\$ 66.50	\$ 88.47	\$ 110.40				\$ -
APPRENTICE	\$ 41.14	\$ 64.50	\$ 90.55				\$ -
PROJECT MANAGER	\$ 85.00						\$ -
<b>LABOR SUB TOTAL</b>							<b>\$ 141.98</b>

**EQUIPMENT**

COST + 15%	<u>RATES</u>				<u>EXTENDED</u>
	HOUR	DAY	WEEK	MONTH	
<b>TOOL SUB TOTAL</b>					<b>\$ -</b>

**MATERIAL**

COST + 15%	<u>EXTENDED</u>	
<b>MATERIAL SUB TOTAL</b>		<b>\$ -</b>

**SUB-CONTRACTOR**

COST + 15%	<u>EXTENDED</u>	
<b>SUB-CONTRACTOR SUB TOTAL</b>		<b>\$ -</b>

**Total Proposed Change Order price: \$ 141.98**

Submitted By: DAVE PERRINS, Project Manager Date: 6/18/2018

Approved By: \_\_\_\_\_ Date: \_\_\_\_\_

Title \_\_\_\_\_

WCD 005

TANK WEIR COATING



June 1, 2018

Apollo, Inc.  
1133 West Columbia Drive  
Kennewick, WA 99336

Attn: Amy Jenne

Re: Coeur d'Alene Tertiary Treatment Phase 2 project  
WCD 005 – Repair Coating at TMF Tank 2  
Engineer's Decision

Amy,

We have reviewed your cost proposal for WCD 005 – Repair Coating at TMF Tank 2. We have found your submitted cost proposal to be acceptable. We have made a minor adjustment to the crane operator rate from \$47.50 to the agreed \$47.41 rate.

A total cost of \$4,656.03 and a total of 0 calendar days will be included in the forthcoming final Change Order.

Sincerely,  
HDR Engineering, Inc.

A handwritten signature in blue ink, appearing to read 'Todd Jensen'.

Todd Jensen, PE, CCM  
*Construction Manager*

cc: Jim Remitz – City of Coeur d'Alene Wastewater Department  
Rickey Schultz – HDR  
Lizzy English – HDR  
Mike Soucie – HDR  
Mary Scalise – HDR



Date of Issuance: Effective Date: 11/14/2017  
 Owner: City of Coeur d'Alene, ID Owner's Contract No.:  
 Contractor: Apollo Contractor's Project No.:  
 Engineer: HDR Engineer's Project No.: 10026247  
 Project: CDA Tertiary Phase 2 Improvements Contract Name:

**Contractor is directed to proceed promptly with the following change(s):**Description:

While transferring the TMF membranes from Tank 1 to Tank 2, Apollo and HDR discovered delamination of the coating on the top of the Tank weir.

Please provide a cost proposal for the following:

1. Surface preparation: Cut off the coating in a line back into soundly adhered coating. Do not lift with a putty knife the leading edge to remove the coating. The coating is stronger than the concrete's adhesion and will further break the bond of the concrete.
2. Mechanically prepare per SP13 ICRI CSP5 all concrete surfaces to be coated. Sand the perimeter of existing coating back 2" to de-gloss and provide a profile for an overlap onto the existing coating.
3. Correct the existing termination cut to be ¼ inch wide and ¼ inch deep
4. Apply the Tnemec Series 435 on the prepared concrete at 15-20 mils DFT and up onto the 2" overlap.
5. (Finished paint system shall be uniform and without voids, bugholes, pinholes, holidays, laps, brush marks, roller marks, runs, sags or other imperfections.)

Contractor shall confirm work activities daily with on-site RPR.

Tnemec Series 436 will be applied prior to Series 435 per ECI

**Purpose for Work Change Directive:**

Directive to proceed promptly with the Work described herein, prior to agreeing to changes on Contract Price and Contract Time, is issued due to:

- Non-agreement on pricing of proposed change.  
 Necessity to proceed for schedule or other Project reasons.

**Estimated Change in Contract Price and Contract Times (non-binding, preliminary):**


Contract Price \$ TBD increase  
 Contract Time 0 days [increase] [decrease].

**Basis of estimated change in Contract Price:**

- Lump Sum  Unit Price  
 Cost of the Work per Day  Other

**RECOMMENDED:****AUTHORIZED BY:****RECEIVED:**

By:   
 Engineer (Authorized Signature)

By:   
 Owner (Authorized Signature)

By:   
 Contractor (Authorized Signature)

Title: Project Manager

Title: Cap. Program MGR.

Title: VP

Date: 11/14/17

Date: 11-14-2017

Date: 2/27/18



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**Work Change Directive**  
 Project: City of Coeur d'Alene Tertiary Treatment Phase 2  
 Apollo Inc.

WCD No: 5 Rev 2

Date: 04/19/18

Description	Labor	Mat	Equip.	Subcont. Total	Supp Total	Total
Item 1	\$ 1,364.50	\$ 149.50	\$ 611.80	\$ 2,437.35	\$ 35.60	\$ 4,598.75
<b>SUBTOTAL COST &gt;</b>						<b>\$ 4,598.75</b>
Insurance Premium .5% - Changed Work >						\$ 22.99
Bond Premium .75% - Changed Work >						\$ 34.49
<b>TOTAL LUMP SUM COST &gt;</b>						<b>\$ 4,656.23</b>



Work Change Directive  
 Project: City of Coeur d'Alene Tertiary Treatment Phase 2  
 Apollo Inc.

WCD No: 5 Rev 2  
 Item No:  
 Date: 4/19/18

Item Description: Repair Coating at TMF Tank 2

Description	Qty	U of M	Rate	Labor	Unit	Rate	Mat	Unit	Rate	Equip.	Subcont. Total	Total
<b>APOLLO - PROJECT SUPERVISION COSTS</b>												
Project Manager	2.0	HR	\$ 90.00	\$ 180.00								\$ 180.00
Project Superintendent	4.0	HR	\$ 79.56	\$ 318.24								\$ 318.24
Yard Piping / Site Earthwork Super	0.0	HR	\$ 68.08	\$ -								\$ -
<b>APOLLO - CRAFT LABOR COSTS</b>												
<b>Carpenters</b>												
Foreman	3.0	HR	\$ 43.52	\$ 130.56								\$ 130.56
Carpenter	4.0	HR	\$ 38.37	\$ 153.48								\$ 153.48
<b>Laborers</b>												
Laborer/General	9.0	HR	\$ 34.36	\$ 309.24								\$ 309.24
<b>APOLLO - OPERATED EQUIPMENT</b>												
<b>Crane - Manitowoc 222</b>												
+ Operator	2.0	HR	\$ 47.50	\$ 95.00								\$ 95.00
+ Operating Costs	2.0							HRLY	\$ 86.00	\$ 172.00		\$ 172.00
<b>APOLLO - OTHER EQUIPMENT COSTS</b>												
Heaters	1.0							LS	\$ 360.00	\$ 360.00		\$ 360.00
										\$ -		\$ -
<b>APOLLO - MATERIAL COSTS</b>												
Tarps	1.0				LS	\$ 100.00	\$ 100.00					\$ 100.00
Diesel Fuel	1.0				LS	\$ 30.00	\$ 30.00					\$ 30.00
										\$ -		\$ -
										\$ -		\$ -
Apollo - Subtotal Direct Costs >				\$ 1,186.52		\$ 130.00				\$ 532.00		\$ 1,848.52
Markup on Self-Performed Labor, Mat'l's & Equipment >	15.0%			\$ 177.98		\$ 19.50				\$ 79.80		\$ 277.28
<b>SUBCONTRACTOR COSTS</b>												
Extreme Coatings	1										\$ 2,321.29	\$ 2,321.29
											\$ -	\$ -
Subtotal Subcontractors Costs >											\$ 2,321.29	\$ 2,321.29
Markup on Subcontractor Costs >	5.0%										\$ 116.06	\$ 116.06
<b>SUPPLEMENTAL COSTS</b>												
Special Consultants											\$ -	\$ -
Subsistence for Project Supervision					HR	\$ 11.25	\$ -					\$ -
Temporary Facilities at the Site					LS		\$ -					\$ -
Small Tools	1.0				LS	\$ 35.60	\$ 35.60					\$ 35.60
Subtotal Supplementary Costs >						\$ 35.60					\$ -	\$ 35.60
Markup on Supplementary Costs >	0.0											

Contractor - Total Direct Costs w/Markup >	\$ 4,598.75
Insurance Premium .5% - Changed Work >	\$ 22.99
Bond Premium .75% - Changed Work >	\$ 34.49

<b>TOTAL LUMP SUM COST &gt;</b>	<b>\$ 4,656.23</b>
---------------------------------	--------------------

**EXTRA WORK ORDER**

CUSTOMER: City of Coeur d'Alene	EWO:
ADDRESS: <u>WCD #15</u>	Job #: P 162
WORK ORDERED BY: HDR/City of CDA	JOB NAME: CDA Tertiary Treatment Ph. 2
	DATE: 1/11 → 1/15/18 DAY:

Description of Work: TMLF membrane tank wiper wall #2 weather protection and heat air coatings repair.  
*Summer/Rain/Cold mfg.*

NAME	CLASS	LABOR HOURS		EQUIPMENT USED DESCRIPTION	HOURS
		ST	OT		
1/11 Brent Stewart	lab	4		Taco heater	12
1/11 Bruce Cantrell	corp	4		Crane	2
1/11 Cory Bond	operator Supt	1			
1/12 Brent Stewart	lab	2			
1/12 Cory Bond	operator Supt	1			
1/13 Brent Stewart		3			
1/13 Cory Bond	operator Supt	1			
				TOTAL EQUIPMENT	

CONTRACT MATERIALS				SUBCONTRACTOR	
DESCRIPTION	QUANTITY	PRICE			
Tarps	2 x	\$50			
Diesel fuel	30 x	\$3.00			
				TOTAL SUBCONTRACTOR	

OFFICE USE ONLY: COST SUMMARY					
LABOR					
MATERIALS					
EQUIPMENT					
TRUCK RENTAL/SUBCONTRACTOR				\$	-
SUB-TOTAL				\$	-
CH&P - LABOR				\$	-
CH&P - EQUIPMENT				\$	-
CH&P - MATERIALS				\$	-
CH&P - TRUCK RENTAL/SUBCONTRACTOR				\$	-
TOTAL OUTSIDE MATERIALS				TOTAL AMOUNT	\$ -

*Gene Bunker*  
 Submitted by Apollo Representative

*Mike Lousie*  
 Authorized By Project Representative

**T&M WCD 005**

<b>Classification</b>	<b>Rate</b>	<b>Hrs</b>	<b>Total</b>	
Administration	\$ 75.00	2.66	\$ 199.50	
Supervisor Jesse	\$ 47.30	5.5	\$ 260.15	
Painter	\$ 39.24	5.5	\$ 215.82	
Per Diem	\$ 100.00	1.375	\$ 137.50	
Travel	\$ 35.00	14	\$ 490.00	
			<b>Subtotal \$</b>	<b>1,302.97</b>

<b>Equipment</b>	<b>Rate</b>	<b># of Days</b>	<b>Total</b>	
Dodge Truck	96.9	1	\$ 96.90	
Fuel	3.25	32	\$ 104.00	
Hilti Hammer	15	1	\$ 15.00	
Dewalt Grinder & Blade	5	1	\$ 5.00	
Vacuum	10	1	\$ 10.00	
Sanders	5	1	\$ 5.00	
Hilti Bushing Bit	62.5	1	\$ 62.50	
			<b>Subtotal \$</b>	<b>298.40</b>

<b>Materials</b>	<b>Rate</b>	<b>QTY</b>	<b>Total</b>	
Tnemec 435 kit	76.9	5	\$ 384.50	
MEK 5 gal	14.8	1	\$ 14.80	
Roller Frames 9"	9.11	1	\$ 9.11	
			<b>Subtotal \$</b>	<b>408.41</b>

<b>Totals</b>	<b>\$</b>	<b>2,009.78</b>
Overhead	10% \$	200.98
subtotal	\$	2,210.75
Profit	5% \$	110.54
<b>Grand Total</b>	<b>\$</b>	<b>2,321.29</b>

**T&M WCD 005**

CLASSIFICATION	RATE	HRS	TOTAL
Administration	\$75.00	2.66	\$199.50
Supervisor Jesse	\$57.03	5.5	\$313.67
Painter	\$47.03	5.5	\$258.67
Per Diem	\$100.00	1.375	\$137.50
Travel	\$35.00	14	\$490.00

**SUBTOTAL**

**\$1,399.33**

EQUIPMENT	RATE	# of days	TOTAL
Dodge Truck	\$96.90	1	\$96.90
Fuel	\$3.25	32	\$104.00
Hilti Hammer	\$15.00	1	\$15.00
Dewalt Grinder & Blade	\$5.00	1	\$5.00
Vacuum	\$10.00	1	\$10.00
Sanders	\$5.00	1	\$5.00
Hilti Bushing Bit	\$62.50	1	\$62.50

**SUBTOTAL**

**\$298.40**

MATERIALS	RATE	QTY	TOTAL
Tnemec 435 Kit	\$76.90	5	\$384.50
MEK 5 GL	\$14.80	1	\$14.80
Roller Frames 9"	\$9.11	1	\$9.11

**SUBTOTAL**

**\$408.41**

TOTAL LABOR	\$1,399.33
TOTAL EQUIPMENT	\$298.40
TOTAL MATERIALS	\$408.41
SUBTOTAL	\$2,106.14
10% OVERHEAD	\$210.61
SUBTOTAL	\$2,316.75
5% PROFIT	\$115.84
<b>GRAND TOTAL</b>	<b>\$2,432.59</b>

WCD 006

SEPS GUARDRAIL AND MEGA-FLANGE



September 7, 2018

Apollo, Inc.  
1133 West Columbia Drive  
Kennewick, WA 99336

Attn: Amy Jenne

Re: Coeur d'Alene Tertiary Treatment Phase 2 project  
WCD 006 – SEPS Guardrail and Una-Flange  
Engineer's Decision

Amy,

We have reviewed your cost proposal for WCD 006 – SEPS Guardrail and Una-Flange. We have found your submitted cost proposal to be acceptable.

A total cost of \$13,359.02 and a total of 0 calendar days will be included in the forthcoming final Change Order.

Sincerely,  
HDR Engineering, Inc.

A handwritten signature in blue ink, appearing to read 'Todd Jensen'.

Todd Jensen, PE, CCM  
*Construction Manager*

cc: Jim Remitz – City of Coeur d'Alene Wastewater Department  
Rickey Schultz – HDR  
Mike Soucie – HDR  
Mary Scalise – HDR

Date of Issuance:	Effective Date:	11/10/2017
Owner: City of Coeur d'Alene, ID	Owner's Contract No.:	
Contractor: Apollo	Contractor's Project No.:	
Engineer: HDR	Engineer's Project No.:	10026247
Project: CDA Tertiary Phase 2 Improvements	Contract Name:	

**Contractor is directed to proceed promptly with the following change(s):**

Description:

While working to clean out the Secondary Effluent Pumps Station before installing the pumps, the Contractor discovered two issues. This Work Change Directive addresses these two issues.

Item 1. The Secondary Effluent Pumps are too large to attach to the single guide rail and clear the north beam while installing.

- a. Contractor shall perform a dry fit and report results to Engineer before proceeding to Item 2 in this Work Change Directive.
- b. Contractor shall provide sketch of any proposed changes including but not limited to guiderail length changes and fabrications for brackets or supports.
- c. Contractor and Engineer shall agree on modifications and fabrications based on submitted sketch.

Item 2. The studs in the una-flange are extremely rusted (they are not stainless steel).

- a. Contractor shall remove and replace the 12-inch flange x plain end spool piece with new spool and new una-flange with the una-flange located on the dry-side, flange on the wet-side (typical three).
- b. Contractor shall install new link seal per detail 40 05 00 26.
  - 1. Cap the link seal with a minimum of 2" of grout at each wall face.
- c. Contractor shall coat new piping and hardware and touch-up damaged coating per coating schedule 09 96 00 – 2.3 Ductile Iron Piping: 'Immersion Wastewater.'
  - 1. Intermediate and finish coats shall be different colors with the finish coat color determined by 09 96 00 – 3.9 B.3 Wastewater Treatment Plant Piping Color Schedule: Secondary Effluent.

Contractor shall confirm work activities daily with on-site RPR.

**Purpose for Work Change Directive:**

Directive to proceed promptly with the Work described herein, prior to agreeing to changes on Contract Price and Contract Time, is issued due to:

- Non-agreement on pricing of proposed change.
- Necessity to proceed for schedule or other Project reasons.



**Estimated Change in Contract Price and Contract Times (non-binding, preliminary):**

Contract Price \$ TBD increase  
Contract Time 0 days [increase] [decrease].

**Basis of estimated change in Contract Price:**

- Lump Sum  Unit Price  
 Cost of the Work per Day  Other

**RECOMMENDED:**

**AUTHORIZED BY:**

**RECEIVED:**

By: 

By: 

By: 

Engineer (Authorized Signature)

Owner (Authorized Signature)

Contractor (Authorized Signature)

Title: Project Manager

Title: Cap. Program Mgr.

Title: VP

Date:

Date: 11-14-2017

Date: 2/27/18



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**Work Change Directive**  
 Project: City of Coeur d'Alene Tertiary Treatment Phase 2  
 Apollo Inc.

WCD No: 6

Date: 08/03/18

Description	Labor	Mat	Equip.	Subcont. Total	Supp Total	Total
SEPS guardrail and mega flange	\$ 5,477.50	\$ 4,663.63	\$ -	\$ 2,910.08	\$ 142.89	\$ 13,194.09
<b>SUBTOTAL COST &gt;</b>						<b>\$ 13,194.09</b>
Insurance Premium .5% - Changed Work >						\$ 65.97
Bond Premium .75% - Changed Work >						\$ 98.96
<b>TOTAL LUMP SUM COST &gt;</b>						<b>\$ 13,359.02</b>

Work Change Directive  
 Project: City of Coeur d'Alene Tertiary Treatment Phase 2  
 Apollo Inc.

WCD No: 6  
 Item No: 1  
 Date: 8/3/18

Item Description: 3-guide rail supports for pumps and Uni-flange studs

Description	Qty	U of M	Rate	Labor	Unit	Rate	Mat	Unit	Rate	Equip.	Subcont. Total	Total
<b>APOLLO - PROJECT SUPERVISION COSTS</b>												
Project Manager	2.0	HR	\$ 90.00	\$ 180.00								\$ 180.00
Project Superintendent	6.0	HR	\$ 79.56	\$ 477.36								\$ 477.36
Site Civil Superintendent	0.0	HR	\$ 68.08	\$ -								\$ -
<b>APOLLO - CRAFT LABOR COSTS</b>												
<b>Carpenters</b>												
Foreman		HR	\$ 43.52	\$ -								\$ -
Carpenter		HR	\$ 38.37	\$ -								\$ -
<b>Laborers</b>												
General	6.0	HR	\$ 34.36	\$ 206.16								\$ 206.16
<b>Pipefitter</b>												
Modify Guidrails	24.0	HR	\$ 60.93	\$ 1,462.32								\$ 1,462.32
New Spools	40.0	HR	\$ 60.93	\$ 2,437.20								\$ 2,437.20
<b>APOLLO - MATERIAL COSTS</b>												
Pipe & Fittings	1.0				LS	\$ 4,055.33	\$ 4,055.33					\$ 4,055.33
							\$ -					\$ -
Apollo - Subtotal Direct Costs >				\$ 4,763.04			\$ 4,055.33			\$ -		\$ 8,818.37
Markup on Self-Performed Labor, Mat'ls & Equipment >	15.0%			\$ 714.46			\$ 608.30			\$ -		\$ 1,322.76
<b>SUBCONTRACTOR COSTS</b>												
Solid Rock	1										\$ 1,459.95	\$ 1,459.95
Extreme Coatings	1.0										\$ 1,311.55	\$ 1,311.55
Subtotal Subcontractors Costs >											\$ 2,771.50	\$ 2,771.50
Markup on Subcontractor Costs >	5.0%										\$ 138.58	\$ 138.58
<b>SUPPLEMENTAL COSTS</b>												
Special Consultants											\$ -	\$ -
Subsistence for Project Supervision					HR	\$ 11.25	\$ -					\$ -
Temporary Facilities at the Site					LS		\$ -					\$ -
Small Tools	1.0				LS	\$ 142.89	\$ 142.89					\$ 142.89
Subtotal Supplementary Costs >							\$ 142.89				\$ -	\$ 142.89
Markup on Supplementary Costs >	0.0											

Contractor - Total Direct Costs w/Markup >	\$ 13,194.09
Insurance Premium .5% - Changed Work >	\$ 65.97
Bond Premium .75% - Changed Work >	\$ 98.96
<b>TOTAL LUMP SUM COST &gt;</b>	<b>\$ 13,359.02</b>



## EXTRA WORK ORDER

CUSTOMER: City of Coeur d'Alene				EWO:	
ADDRESS:				Job #: P 162	
WORK ORDERED BY: HDR/CITY of CDA				JOB NAME: CDA Tertiary Treatment Ph. 2	
Description of Work: SEPS modification including existing grating and beam modifications, fabrication of 3 guide rail bracket supports including installation, removal of 3-12" spools thru tank wall and replacement with new spools and FCA, coating of new spools, removal of removable wall panels. Extra work removing removable wall that was not removable.				DATE: _____ DAY: _____	
<p style="color: red; font-weight: bold;">WCD #6, CPR #25</p> <p style="color: blue;">Coating not included on this ticket.</p>					
LABOR			EQUIPMENT USED		
NAME	CLASS	HOURS		DESCRIPTION	HOURS
		ST	OT		
			TOTAL EQUIPMENT		
CONTRACT MATERIALS				SUBCONTRACTOR	
DESCRIPTION			QUANTITY	PRICE	
				TOTAL SUBCONTRACTOR	
OFFICE USE ONLY: COST SUMMARY					
				LABOR	_____
				MATERIALS	_____
				EQUIPMENT	_____
				TRUCK RENTAL/SUBCONTRACTOR	\$ -
				SUB-TOTAL	\$ -
				CH&P - LABOR	\$ -
				CH&P - EQUIPMENT	\$ -
				CH&P - MATERIALS	\$ -
				CH&P - TRUCK RENTAL/SUBCONTRACTOR	\$ -
TOTAL OUTSIDE MATERIALS				TOTAL AMOUNT	\$ -

Submitted by Apollo Representative

Authorized By Project Representative



## Seps modifications for pump removal and safety

- CPT 25 Kevin Burke - Set up & lay out for grating mods 4 hrs Supt  
 CPT 25 Brent Stewart - cut grating 4 hrs Csup  
 Solid Rock invoices #20704 & #20705  
 Kevin Burke - transport to and from, re-install 4 hrs Supt  
 WED 6 Kevin Burke - design and set up fabrication of guide rail brackets x 3 6 hrs Supt  
 WED 6 James Skulte - install new/modified guide rail brackets. 12 hrs Fit  
 Eli Lund [Reinstall float switch brackets, drill and epoxy for new guide rail brackets and lay out and drill and bolt on new guide rail brackets 12 hrs Fit  
 WED 6 James Skulte - Remove 12" pipe and Field Flanges, 20 hrs Fit  
 Eli Lund [reset pumps, install new spools, FCAs, link seals and grant. 20 hrs Fit  
 CPT 25 Tony Delapena - Remove removable wall that was poured 8 hrs Supt  
 James Skulte in place. Extra work portion. 8 hrs Ope  
 Eli Lund 8 hrs labor  
 WED 6 Heat and weather protection for extra work casting 3 hrs Lab  
 James Skulte 3 hrs Lab  
 Eli Lund  
 WED 6 Coatings - extra work portion



**H.D. FOWLER  
COMPANY**

PO Box 160 \* Bellevue, WA \* 98009-0160  
425-746-8400

**Pasco Branch**  
1336 Dietrich Rd  
Pasco, WA 99301  
(509) 545-0255 Fax (509) 545-0299

**Invoice  
Number 14698435**

PSWH  
# 015290

<b>To:</b> APOLLO INC Attn: Accounts Payable PO Box 7305 KENNEWICK WA 99336-0617	<b>Ship to:</b> 915 HUBBARD AVE COEUR D'ALENE ID 83814		
	<b>Order#</b> O5756769	<b>Inv Date:</b> 11/27/17	<b>Order Writer:</b> Matthew Mahan

<b>Terms:</b> 10P+30 <b>FOB:</b> JOBSITE	<b>Due:</b> 01/10/18 <b>Ship Via:</b> UPS - STANDARD	<b>PO/JOB:</b> SPOOL P162 TERTIARY TREATMENT PHASE
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Line	Qty Ship'd	Qty BO'd	UoM	Part # Description	Unit Price	Extended Price	T X
2	3		EA	12" UNI - FLANGE FOR DI FORD SERIES 200	137.64	412.92	
3	6		EA	12" BOLT KIT 316 STAINLESS STEEL 12 EA 7/8" X 3 3/4" BOLT WITH NUT,IMPORT	108.33	649.98	
4	6		EA	12" 1/8" FULL FACE GASKET, NEOPRENE, 150#	10.18	61.08	
5	1		EA	INBOUND FRT / BILLABLE	50.00	50.00	
						<b>Sub total</b>	1,173.98
						<b>Freight</b>	
						<b>Tax</b>	
						<b>Grand Total</b>	1,173.98

**\*\* New Remittance Address \*\*** EFT Routing: 121000248  
PO Box 84368, Seattle, WA 98124-5668 EFT Bank No: 418 545 3362

TOYN D



**H.D. FOWLER  
COMPANY**

PO Box 160 \* Bellevue, WA \* 98009-0160  
425-746-8400

**Pasco Branch**  
1336 Dietrich Rd  
Pasco, WA 99301  
(509) 545-0255 Fax (509) 545-0299

**Invoice  
Number 14699546**

PSDS  
# 015290

<b>To:</b> APOLLO INC Attn: Accounts Payable PO Box 7305 KENNEWICK WA 99336-0617	<b>Ship to:</b> 915 HUBBARD AVE COEUR D'ALENE ID 83814		
	<b>Order#</b> O5756771	<b>Inv Date:</b> 11/28/17	<b>Order Writer:</b> Matthew Mahan

<b>Terms:</b> 10P+30 <b>FOB:</b> JOBSITE	<b>Due:</b> 01/10/18 <b>Ship Via:</b> UPS - STANDARD	<b>PO/JOB:</b> SPOOL P162 TERTIARY TREATMENT PHASE
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Line	Qty Ship'd	Qty BO'd	UoM	Part # Description	Unit Price	Extended Price	T X
1	3		EA	12" X 3'6" FLG X PE SPOOL; DOMESTIC, CML/PRIME	603.75	1,811.25	
						Sub total Freight Tax Grand Total	1,811.25    1,811.25
** New Remittance Address ** PO Box 84368, Seattle, WA 98124-5668					EFT Routing: 121000248 EFT Bank No: 418 545 3362		
TOYN D							
Serving the Pacific Northwest since 1911 <a href="http://www.hdfowler.com">www.hdfowler.com</a>							



**H.D. FOWLER  
COMPANY**PO Box 34768 \* Seattle, WA \* 98124-5668  
425-746-8400Invoice  
Number **14708868**BEV/H  
# 015290**Bellevue Branch**13440 SE 30th St  
Bellevue, WA 98005  
(425) 746-8400 Fax (425) 641-8885

To:				Ship to: 915 HUBBARD AVE			
APOLLO INC Attn: Accounts Payable PO Box 7305 KENNEWICK WA 993360617				COEUR D'ALENE ID 83814			
Order# O5778280		Inv Date: 12/11/17		Order Writer: Matt Mahan			
Terms: 10P+30		Due: 02/10/18		PO/JOB: LINK SEAL			
FOB: JOBSITE		Ship Via: UPS - STANDARD		P162 TERTIARY TREATMENT PHAS			
Line	Qty Ship'd	Qty BO'd	UoM	Part # Description	Unit Price	Extended Price	T X
1	90	0	EA	LINK-SEAL LS-315-S, EPDM & 316SS FASTENERS ***[DO NOT CHARGE FREIGHT]***	11.890	1070.10	
						Sub total	1,070.10
						Freight	0.00
						Tax	0.00
						Grand Total	1,070.10
Tony D		Serving the Pacific Northwest since 1911					

## Work Change Directive No.006

### Labor Costs

	Hours	Rate	Cost
Painters	9	61.41	\$552.69
			Total \$552.69

### Equipment

	Qty	Days	Rate	Cost
Truck 3500 w/bed rack and tools	1	1	75	\$75.00
				Total \$75.00

### Materials

	QTY	Cost	
Tnemec N69	2	69	\$138.00
MEK	5	15.25	\$76.25
Rags	3	75	\$225.00
Sandpaper 80 grit	1	16	\$16.00
Roller Frame 4"	1	5.6	\$5.60
Brush Goose Neck	2	4	\$8.00
Sleeves 4"	2	2	\$4.00
Fuel	10	3.5	\$35.00
			Total \$507.85

Total	\$1,135.54
OH 10%	\$113.55
Profit 5%	\$62.45
Total	\$1,311.55

HOURLY RATE	SOCIAL SECURITY 6.2%	MEDICARE 1.45%	L&I PAINTER	FUTA .60%	SUTA 3.21%	MEDICAL \$3.03	Vacation	TOTAL PER HOUR	PER DIEM \$17.75 PER HR	Total	OVERTIME HOURLY RATE
<b>\$33.90</b>	\$2.10	\$0.49	\$3.15	\$0.20	\$1.09			\$40.94	\$17.75	<b>\$58.69</b>	\$50.85
<b>\$32.50</b>	\$2.02	\$0.47	\$3.15	\$0.20	\$1.04	\$3.03	\$1.25	\$43.66	\$17.75	<b>\$61.41</b>	\$48.75
<b>\$57.69</b>	\$3.58	\$0.84	\$3.15	\$0.35	\$1.85	\$3.03	\$3.33	\$73.81	\$17.75	<b>\$91.56</b>	\$86.54

Per Diem: \$91 + \$51 = \$142  
\$142.00/8 hours per day = \$17.75 per hour

Per Diem: \$142.00/8

Medical  
\$525/month x 12 months = \$6300  
\$6300/2080 = \$3.03 per hour

Medical  
\$525/month  
\$6300/2080

Vacation: \$32.50  
\$32.50 x 80 hrs = \$2600  
\$2600/2080 = \$1.25 per hour

Vacation: \$32.50  
\$32.50 x 80  
\$2600/2080

Vacation: \$57.69  
\$57.69 x 120 hours = \$6923  
\$6923/2080 = \$3.33 per hour

Vacation: \$57.69  
\$57.69 x 120  
\$6923/2080

## OVERTIME BREAKDOWN

SOCIAL SECURIT Y 6.2%	MEDICAR E 1.45%	L&I PAINTER	FUTA .60%	SUTA 3.21%	MEDICAL \$3.03	Vacation	TOTAL PER HOUR	PER DIEM \$17.75 PER HR	Total
\$3.15	\$0.74	\$4.73	\$0.31	\$2.22	\$0.00	\$0.00	\$61.99	\$17.75	\$79.74
\$3.02	\$0.71	\$4.73	\$0.29	\$2.13	\$3.03	\$1.25	\$63.91	\$17.75	\$81.66
\$5.37	\$1.25	\$4.73	\$0.52	\$3.78		\$3.33	\$105.51	\$17.75	\$123.26

\$91 + \$51 = \$142

hours per day = \$17.75 per hour

h x 12 months = \$6300

0 = \$3.03 per hour

32.50

) hrs = \$2600

0 = \$1.25 per hour

57.69

!0 hours = \$6923

0 = \$3.33 per hour

**Solid Rock Gate Supply Inc dba Welding  
Fabrication Services**

6955 N Pleasant View Rd  
Post Falls, ID 83854

**Bill To**

Apollo Inc  
Kevin Burke  
1133 West Columbia Drive  
Kennewick, WA 99336

Phone: (208) 457-8048  
Fax: (208) 457-8858  
E-Mail: sales@welding-fab.com

**Invoice**

<b>Date</b>	<b>Terms</b>	<b>P.O. Number</b>	<b>Invoice #</b>
1/15/2016	Due on receipt	SEPS GUIDE ...	20783

<i>Description</i>	<i>Color</i>	<i>Quantity</i>	<i>Price Each</i>	<i>Amount</i>
SEPS GUIDE RAIL BRACKETS MODIFY 2 X 2 X 1/4 ANGLE BRACKETS BUILD (QTY 3) 4 X 4 X 1/4 ANGLE BRACKETS			640.00	640.00
MATERIAL			819.95	819.95

Work Order #

Thank you for your business.  
Late Charges of 1.5% per month assessed on past due balances.

<b>Sales Tax (6.0%)</b>	\$0.00
<b>Payments/Credits</b>	\$0.00
<b>Balance Due</b>	\$1,459.95

WCD 007

ORDER AND INSTALL NEW TMF VALVES



June 19, 2018

Apollo, Inc.  
1133 West Columbia Drive  
Kennewick, WA 99336

Attn: Amy Jenne

Re: Coeur d'Alene Tertiary Treatment Phase 2 project  
WCD 007 – New Backwash and Permeate Valves  
Engineer's Decision

Amy,

We have reviewed your cost proposal for WCD 007 – New Backwash and Permeate Valves. We have found your submitted cost proposal to be acceptable.

A total cost of \$44,745.15 and a total of 0 calendar days will be included in the forthcoming final Change Order.

Sincerely,  
HDR Engineering, Inc.

A handwritten signature in blue ink, appearing to read 'Todd Jensen'.

Todd Jensen, PE, CCM  
*Construction Manager*

cc: Jim Remitz – City of Coeur d'Alene Wastewater Department  
Rickey Schultz – HDR  
Mike Soucie – HDR  
Mary Scalise – HDR



Date of Issuance: Effective Date: 11/21/2017  
 Owner: City of Coeur d'Alene, ID Owner's Contract No.:  
 Contractor: Apollo Contractor's Project No.:  
 Engineer: HDR Engineer's Project No.: 10026247  
 Project: CDA Tertiary Phase 2 Improvements Contract Name:

**Contractor is directed to proceed promptly with the following change(s):**

Description:

While working to remove piping in the TMF, corrosion was discovered on the existing valves. These valves identified will need to be replaced with new valves that have stainless steel for the disc and body and Buna-N or EPDM for the seat. Exhibits identifying these valves are provided.

Contractor shall proceed with ordering the following valves, or equivalent as approved by engineer:

Description	Manufacturer Information
Two, 8" Wafer Check Valves on Permeate Pump Discharge , 5C.1	<del>Prince Series 813</del> Bray Rite Model 210
Two, 8" Butterfly Valves - One Upstream of each Flow Meter	Bray Series 30/31
Two, 8" Butterfly Valves - One Downstream of each Purge Flow Control Valve	Bray Series 30/31
Two, 8" Manual Wafer Butterfly Valves, Isolation to Permeate Tank	Bray Series 30/31
Two, 10" Wafer Check Valves on Backpulse Pump Discharge	<del>Prince Series 813</del> Bray Rite Model 210
Two, 10" Butterfly Valves on Backpulse Pump Discharge	Bray Series 30 - General Use
Two, 10" Butterfly Valves Backwash to Filter	Bray Series 31
One, 10" Wafer Butterfly Valve, Purge line before Strainers	Bray Series 30/31
Three, 8" Wafer Check Valve on Permeate Pump Discharge, TTP2	<del>Prince Series 813</del> Bray Rite Model 210

Continue forward with contract work to install valves currently on-site so as not to let the work included in this Work Change Directive delay the project.

Contractor shall proceed with installing new valves once they are received on-site.

Contractor shall confirm work activities daily with on-site RPR.

**Purpose for Work Change Directive:**

Directive to proceed promptly with the Work described herein, prior to agreeing to changes on Contract Price and Contract Time, is issued due to:

- Non-agreement on pricing of proposed change.
- Necessity to proceed for schedule or other Project reasons.

**Estimated Change in Contract Price and Contract Times (non-binding, preliminary):**

Contract Price \$ 26,125 increase  
Contract Time 0 days [increase] [decrease].

**Basis of estimated change in Contract Price:**

- Lump Sum  Unit Price  
 Cost of the Work per Day  Other

**RECOMMENDED:**

By: 

Engineer (Authorized Signature)

Title: Project Manager

Date: 11/21/17

**AUTHORIZED BY:**

By: 

Owner (Authorized Signature)

Title: Cap. Program MGR

Date: 11-21-2017

**RECEIVED:**

By: 

Contractor (Authorized Signature)

Title: VP

Date: 11/22/17



**/// BUILDING PEOPLE WHO BUILD GREAT THINGS**

**Work Change Directive**  
 Project: City of Coeur d'Alene Tertiary Treatment Phase 2  
 Apollo Inc.

WCD No: 7 Rev 1

Date: 06/01/18

Description	Labor	Mat	Equip.	Subcont. Total	Supp Total	Total
Item 1	\$ 9,207.68	\$ 34,744.86	\$ -	\$ -	\$ 240.20	\$ 44,192.74
<b>SUBTOTAL COST &gt;</b>						<b>\$ 44,192.74</b>
Insurance Premium .5% - Changed Work >						\$ 220.96
Bond Premium .75% - Changed Work >						\$ 331.45
<b>TOTAL LUMP SUM COST &gt;</b>						<b>\$ 44,745.15</b>

Work Change Directive  
 Project: City of Coeur d'Alene Tertiary Treatment Phase 2  
 Apollo Inc.

WCD No: 7 Rev 1  
 Item No: 1  
 Date: 6/1/18

*Item Description: Purchase new valves, remove existing valves and replace with new valves per list included in WCD 07 dated 11/21/17. Valves are non-AIS and meet the eligibility requirements for De Minimus Waiver.*

Description	Qty	U of M	Rate	Labor	Unit	Rate	Mat	Unit	Rate	Equip.	Subcont. Total	Total
<b>APOLLO - PROJECT SUPERVISION COSTS</b>												
Project Manager	40.0	HR	\$ 90.00	\$ 3,600.00								\$ 3,600.00
Project Superintendent	8.0	HR	\$ 79.56	\$ 636.48								\$ 636.48
Mechanical Piping Superintendent	16.0	HR	\$ 68.08	\$ 1,089.28								\$ 1,089.28
<b>APOLLO - CRAFT LABOR COSTS</b>												
Pipefitter				\$ -								\$ -
	44.0	HR	\$ 60.93	\$ 2,680.92								\$ 2,680.92
<b>APOLLO - MATERIAL COSTS</b>												
HD Fowler	1.0				LS	\$29,962.92	\$ 29,962.92					\$ 29,962.92
Misc. Materials (gaskets)	1.0					\$ 250.00	\$ 250.00					\$ 250.00
						\$ -	\$ -					\$ -
Apollo - Subtotal Direct Costs >				\$ 8,006.68		\$ 30,212.92	\$ 30,212.92			\$ -		\$ 38,219.60
Markup on Self-Performed Labor, Mat's & Equipment >	15.0%			\$ 1,201.00		\$ 4,531.94	\$ 4,531.94			\$ -		\$ 5,732.94
<b>SUPPLEMENTAL COSTS</b>												
Special Consultants											\$ -	\$ -
Subsistence for Project Supervision					HR	\$ 11.25	\$ -					\$ -
Temporary Facilities at the Site					LS		\$ -					\$ -
Small Tools	1.0				LS	\$ 240.20	\$ 240.20					\$ 240.20
Subtotal Supplementary Costs >						\$ 240.20	\$ 240.20				\$ -	\$ 240.20
Markup on Supplementary Costs >	0.0											

<b>Contractor - Total Direct Costs w/Markup &gt;</b>	<b>\$ 44,192.74</b>
Insurance Premium .5% - Changed Work >	\$ 220.96
Bond Premium .75% - Changed Work >	\$ 331.45
<b>TOTAL LUMP SUM COST &gt;</b>	<b>\$ 44,745.15</b>

Done



### EXTRA WORK ORDER

CUSTOMER: City of Coeur d'Alene	EWO:
ADDRESS: <i>WCD 7</i>	Job #: P 162
WORK ORDERED BY:	JOB NAME: CDA Tertiary Treatment Ph. 2
	DATE: DAY:

Description of Work: *TMF Valve and check replacement*

NAME	LABOR			EQUIPMENT USED	
	CLASS	HOURS		DESCRIPTION	HOURS
		ST	OT		
				TOTAL EQUIPMENT	

CONTRACT MATERIALS				SUBCONTRACTOR	
DESCRIPTION		QUANTITY	PRICE		
<i>New gaskets for each valve x 2</i>		<i>11</i>			
				TOTAL SUBCONTRACTOR	

OFFICE USE ONLY: COST SUMMARY					
TOTAL OUTSIDE MATERIALS				TOTAL AMOUNT	\$ -

*[Signature]*  
Submitted by Apollo Representative

*[Signature]*  
Authorized By Project Representative  
*3-27-2018*

## WCP 7

TMF valve and check valve replacement due to corrosion.

Identify corrosion issue, research issue, identify, and order replacements and accessories, track items, receive and stage parts

Kevin Burke 8 hrs Sept  
Tony Delepena 16 hrs Sept

Work arounds while waiting for replacement valves.  
Required spacers or spreaders to allow field welds

James Skulte 2 hr Fitter  
Eli Hank 8 hr Laborer

Remove existing valves and check valves

James Skulte 2 hr Fitter  
Eli Hank 6 hrs Laborer

Install replacement valves and check valves

James Skulte 2 hrs Fitter  
Heckr Pace 8 hrs Fitter



**H.D. FOWLER  
COMPANY**PO Box 84368 \* Seattle, WA \* 98124-5668  
425-346-3400Invoice  
Number **14718385**PSBI  
# 015290**Pasco Branch**1305 Dietrich Road  
Pasco, WA 99301  
(509) 545-0255 Fax (509) 545-0200

To:				Ship to: 915 HUBBARD AVE			
APOLLO INC Attn: Accounts Payable PO Box 7305 KENNEWICK WA 993360617				COEUR D'ALENE		ID	83814
Order#		Inv Date:		Order Writer:			
O5772568		12/28/17		Matt Mahan			
Terms: 10P+30		Due: 02/10/18		POJOB: FAB			
FOB: JOBSITE		Ship Via: UPS - STANDARD		P162 TERTIARY TREATMENT PHAS			
Line	Qty Ship'd	Qty BO'd	UoM	Part # Description	Unit Price	Extended Price	T X
1	5	0	EA	RING FLANGE TO FILL THE 9/16" DIFFERENCE OF THE 316 SS MACHINED TO .31" THICK FOR MATING TO EXISTING (FABU PO/REQ #: 20253)	431.250	2156.25	
Sub total						2,156.25	
Freight						0.00	
Tax						0.00	
Grand Total						2,156.25	
Army				Serving the Pacific Northwest since 1911			



**H.D. FOWLER  
COMPANY**PO Box 84358 \* Seattle, WA \* 98124-5568  
425-746-8400Invoice  
Number**14731536**

PSDS

# 015290

Pasco Branch

1336 Dietrich Road

Pasco, WA 99301

(509) 545-0255 Fax (509) 545-0299

To:				Ship to: 915 HUBBARD AVE			
APOLLO INC Attn: Accounts Payable PO Box 7305 KENNEWICK WA 993360617				COEUR D'ALENE		ID	83814
Order#		Inv Date:		Order Writer:			
05772433		01/19/18		Malt Mahan			
Terms: 10P+30		Due: 03/10/18		PO/JOB: P162-0017			
FOB: JOBSITE		Ship Via: VENDOR'S CHOICE		P162 TERTIARY TREATMENT PHAS			
Line	Qty Ship'd	Qty BO'd	UoM	Part # Description	Unit Price	Extended Price	T X
6	4	0	EA	10" BRAY SERIES 31 LUGGED BUTTERFLY VALVE, DUCTILE IRON BODY, 316 SS DISC AND STEM EPDM SEAT WITH GEAR OP AND CHAIN WHEEL INCLUDES 6FT OF CHAIN (4-8 WEEKS A.R.O. TYPICAL OF ALL VALVES)	1060.000	4240.00	
7	1	0	EA	10" BRAY SERIES 31 LUGGED BUTTERFLY VALVE, DUCTILE IRON BODY, 316 SS DISC AND STEM, EPDM SEAT WITH GEAR OP HW	733.750	733.75	
8	4	0	EA	8" BRAY SERIES 31 LUGGED BUTTERFLY VALVE, DUCTILE IRON BODY 316 SS DISC AND STEM, EPDM SEAT WITH GEAR OP AND CHAINWHEEL INCLUDES 6FT OF CHAIN	867.960	3471.84	
9	2	0	EA	8" BRAY SERIES 31 LUGGED BUTTERFLY VALVE, DUCTILE IRON BODY 316 SS DISC AND STEM, EPDM SEAT, GEAR OP HW	541.790	1083.58	
						Sub total	9,529.17
						Freight	0.00
						Tax	0.00
						Grand Total	9,529.17
Amy		Serving the Pacific Northwest since 1911					

**H.D. FOWLER  
COMPANY**PO Box 84368 • Seattle, WA • 98124-3668  
125-745-8400Invoice  
Number**14749311**PSDS  
# 015293**Pasco Branch**

1336 Derrick Road

Pasco, WA 99301

(509) 545-0255 Fax (509) 545-0299

To:

APOLLO INC  
Attn: Accounts Payable  
PO Box 7305  
KENNEWICK WA 993360617

Ship to: 915 HUBBARD AVE

COEUR D'ALENE ID 83814

Order#  
O5772433Inv Date:  
02/15/18Order Writer:  
Matt Mahan

Terms: 10P+30

Due: 04/10/18

PO/JOB: P162-0017

FOB: JOBSITE

Ship Via: VENDOR'S CHOICE

P162 TERTIARY TREATMENT PHAS

Line	Qty Ship'd	Qty BO'd	UoM	Part # Description	Unit Price	Extended Price	T X
3	5	0	EA	8" ANSI 150 MODEL SA16 WAFER CHECK VALVE, 316 SS BODY,DISC,TRIM. EPDM INTEGRAL SEAT, EXTERNAL WEIGHT AND LEVER (10-12 WEEK LEAD TIME A.R.O.)NON AIS	2375.000	11875.00	
5	2	0	EA	10" ANSI 150 MODEL SA16 WAFER CHECK VALVE 316 SS BODY,STEM,TRIM. EPDM INTEGRAL SEAT, EXTERNAL WEIGHT AND LEVER (10-12 WEEK LEAD TIME A.R.O.)NON AIS	3201.250	6402.50	

Sub total	18,277.50
Freight	0.00
Tax	0.00
<b>Grand Total</b>	<b>18,277.50</b>

Amy

Serving the Pacific Northwest since 1911

WCD 008

REPLACEMENT 10IN PER PIPE IN TMF



September 10, 2018

Apollo, Inc.  
1133 West Columbia Drive  
Kennewick, WA 99336

Attn: Amy Jenne

Re: Coeur d'Alene Tertiary Treatment Phase 2 project  
WCD 006 – TMF Piping Revisions  
Engineer's Decision

Amy,

We have reviewed your cost proposal for WCD 008 – TMF Piping Revisions. We have found your submitted cost proposal to be acceptable.

A total cost of \$10,347.63 and a total of 0 calendar days will be included in the forthcoming final Change Order.

Sincerely,  
HDR Engineering, Inc.

A handwritten signature in blue ink, appearing to read 'Todd Jensen'.

Todd Jensen, PE, CCM  
*Construction Manager*

cc: Jim Remitz – City of Coeur d'Alene Wastewater Department  
Rickey Schultz – HDR  
Mike Soucie – HDR  
Mary Scalise – HDR

Date of Issuance: Effective Date: 12/04/2017  
Owner: City of Coeur d'Alene, ID Owner's Contract No.:  
Contractor: Apollo Contractor's Project No.:  
Engineer: HDR Engineer's Project No.: 10026247  
Project: CDA Tertiary Phase 2 Improvements Contract Name:

**Contractor is directed to proceed promptly with the following change(s):**

Description:

While in the TMF basement the Engineer, Owner and Contractor discovered evidence of corrosion and leakage from the underside of the stainless steel 10-inch permeate pressurized piping in the southwest corner of the TMF. There is a Sodium Hypochlorite (1-inch HCL) line that injects a 12% solution into the permeate line. As shown in the attached photos, there was a field weld used to make up for a vertical misalignment between the fittings and the wall penetration. The adjustment has caused a low point for chemical to pool. The pooling HCL solution has been reacting with the stainless steel pipe as indicated by a brown color on the outside, lower portion of the pipe.

Contractor shall proceed with the following steps:

1. Remove the HCL injection line from the 10-inch permeate line.
2. Cut the stainless steel piping on the straight run immediately upstream from the welded elbow. On the same straight run of 10-inch permeate line, cut the line immediately downstream from the flange at the valve. Leave enough pipe connected to the flanged end in order to still utilize the flange for the next weld.
3. Report the condition of the remaining piping and existing valve to the RPR before continuing.
4. Proceed with ordering the replacement valve, or equivalent as approved by Engineer, if the existing valve exhibits corrosion to such an extent that it has become inoperative and if the Owner agrees that it shall be replaced. Proceed with installing new valve once received on-site.
5. Either use existing stainless steel pipe onsite or notify Engineer that piping must be ordered to finish the repair.
6. Reinstall the 10-inch permeate line to be level in elevation and absent of any low points.
7. Contractor's certified stainless steel welder shall install the new spool of stainless steel piping per Specification Section 40 05 24.
8. Coordinate location of new injection point with Owner and Engineer.

Contractor shall confirm work activities daily with on-site RPR.

**Purpose for Work Change Directive:**

Directive to proceed promptly with the Work described herein, prior to agreeing to changes on Contract Price and Contract Time, is issued due to:

- Non-agreement on pricing of proposed change.  
 Necessity to proceed for schedule or other Project reasons.



**Estimated Change in Contract Price and Contract Times (non-binding, preliminary):**

Contract Price \$ TBD increase

Contract Time 0 days

**Basis of estimated change in Contract Price:**

- Lump Sum  Unit Price  
 Cost of the Work per Day  Other

**RECOMMENDED:**

By: 

Engineer (Authorized Signature)

Title: Project Manager

Date: 12/04/17

**AUTHORIZED BY:**

By: 

Owner (Authorized Signature)

Title: Cap. Proj. MGR.

Date: 12-4-2017

**RECEIVED:**

By: 

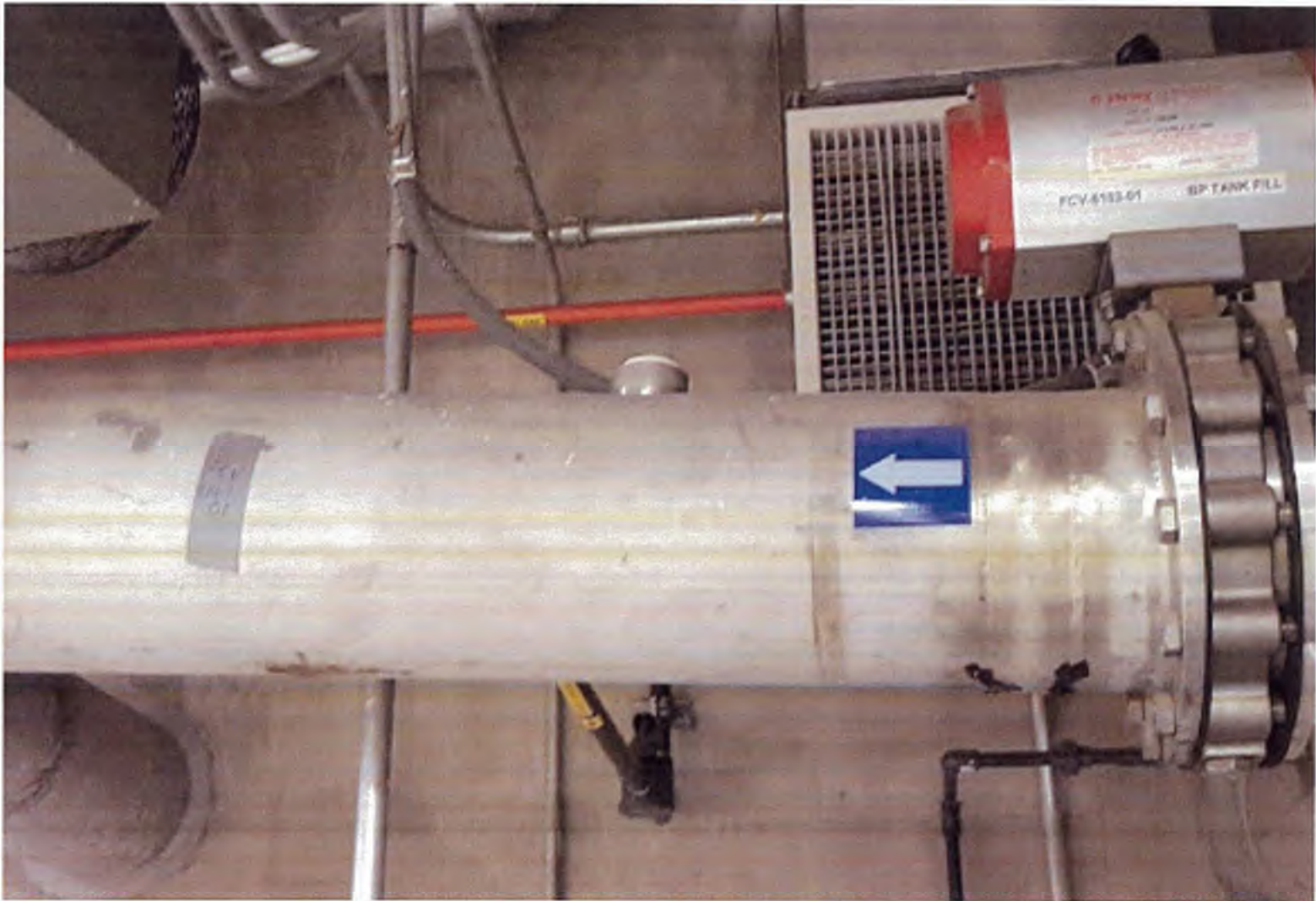
Contractor (Authorized Signature)

Title: VP

Date: 12/7/17









**/// BUILDING PEOPLE WHO BUILD GREAT THINGS**

**Work Change Directive**  
 Project: City of Coeur d'Alene Tertiary Treatment Phase 2  
 Apollo Inc.

WCD No: 8

Date: 09/07/18

Description	Labor	Mat	Equip.	Subcont. Total	Supp Total	Total
Replace 10" SS Pipe @ HCL injection point	\$ 4,080.43	\$ 5,545.85	\$ -	\$ 487.16	\$ 106.45	\$ 10,219.89
<b>SUBTOTAL COST &gt;</b>						<b>\$ 10,219.89</b>
Insurance Premium .5% - Changed Work >						\$ 51.10
Bond Premium .75% - Changed Work >						\$ 76.65
<b>TOTAL LUMP SUM COST &gt;</b>						<b>\$ 10,347.63</b>

Work Change Directive  
 Project: City of Coeur d'Alene Tertiary Treatment Phase 2  
 Apollo Inc.

WCD No: 8  
 Item No: 1  
 Date: 9/7/18

Item Description: Replace section of 10" Permeate line at HCL injection point

Description	Qty	U of M	Rate	Labor	Unit	Rate	Mat	Unit	Rate	Equip.	Subcont. Total	Total
<b>APOLLO - PROJECT SUPERVISION COSTS</b>												
Project Manager	2.0	HR	\$ 90.00	\$ 180.00								\$ 180.00
Project Superintendent	8.0	HR	\$ 79.56	\$ 636.48								\$ 636.48
Site Civil Superintendent	8.0	HR	\$ 68.08	\$ 544.64								\$ 544.64
<b>APOLLO - CRAFT LABOR COSTS</b>												
<b>Carpenters</b>												
Foreman		HR	\$ 43.52	\$ -								\$ -
Carpenter		HR	\$ 38.37	\$ -								\$ -
<b>Laborers</b>												
General	14.0	HR	\$ 34.36	\$ 481.04								\$ 481.04
<b>Pipefitter</b>												
Pipefitter	28.0	HR	\$ 60.93	\$ 1,706.04								\$ 1,706.04
<b>APOLLO - MATERIAL COSTS</b>												
Pipe & Fittings	1.0				LS	\$ 4,660.00	\$ 4,660.00					\$ 4,660.00
Misc. Materials (Bolts/Nuts/Gaskets/Hanger)	1.0				LS	\$ 162.48	\$ 162.48					\$ 162.48
Apollo - Subtotal Direct Costs >				\$ 3,548.20			\$ 4,822.48			\$ -		\$ 8,370.68
Markup on Self-Performed Labor, Mat'ls & Equipment >	15.0%			\$ 532.23			\$ 723.37			\$ -		\$ 1,255.60
<b>SUBCONTRACTOR COSTS</b>												
Solid Rock	1										\$ 180.00	\$ 180.00
Mountain States Electric	1.0										\$ 283.96	\$ 283.96
Subtotal Subcontractors Costs >											\$ 463.96	\$ 463.96
Markup on Subcontractor Costs >	5.0%										\$ 23.20	\$ 23.20
<b>SUPPLEMENTAL COSTS</b>												
Special Consultants											\$ -	\$ -
Subsistance for Project Supervision					HR	\$ 11.25	\$ -					\$ -
Temporary Facilities at the Site					LS	\$ -	\$ -					\$ -
Small Tools	1.0				LS	\$ 106.45	\$ 106.45					\$ 106.45
Subtotal Supplementary Costs >						\$ 106.45					\$ -	\$ 106.45
Markup on Supplementary Costs >	0.0											

Contractor - Total Direct Costs w/Markup >	\$ 10,219.89
Insurance Premium .5% - Changed Work >	\$ 51.10
Bond Premium .75% - Changed Work >	\$ 76.65
<b>TOTAL LUMP SUM COST &gt;</b>	<b>\$ 10,347.63</b>





WCD #8 10" corroded SS pipe off permeate header  
to back pulse tank

Coordinate, layout, order parts, arrange  
fabrication, schedule welder

Kevin Burke	8 hrs Supt
Tony Pelopou	8 hrs Supt 20
Brent Stewart	4 hrs Survey

Cut out existing pipe, clean out and  
transport out of basement

Brian Greenfelder	6hr Fitter
Heckr Pace	6hr Fitter <sup>12</sup>

Receive materials and transport to installation  
location

Eli Lund	2hr labor
James Shulte	2hr fitter 4

Move existing valve and install new piping  
including adding new 10" hanger

James Shulte	8hr fitter 16
Eli Lund	8hr hub

Install new airlines to moved valve  
materials

Brian G.	4hr Fitter 4
	\$50.00

MSE move conduit and change wiring  
to moved existing valve  
materials

Pete McClure	4hr Elec Fitter 4
	\$50.00

Fasten materials

hanger	\$ 22.48
rod, anchor + nuts	\$ 40.00

Welder - Solid Rock

	\$ 180
--	--------

Pickle and passivate welds

James Shulte	2hr Fitter 2
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**TIME and MATERIAL COST**

Request No: 34

To: CITY OF CDA - WWTP

Date Of Proposal: 7/30/2018

Job #: 17-010

Regarding: WCD-008

Job Name: CDA TERITARY TREATMENT PHASE 2

Attention: \_\_\_\_\_

Work To Be Done: PER WCD-008

DISCONNECT / RE-CONNECT FVC-4351-01 SO PIPE COULD BE REPAIRED

**LABOR CLASSIFICATION**

	<u>RATES</u>			<u>HOURS</u>			<u>EXTENDED</u>
	STRAIGHT	OVERTIME	DBL TIME	STRAIGHT	OVERTIME	DOUBLE TIME	
FOREMAN	\$ 70.99	\$ 95.14	\$ 119.29	4.00			\$ 283.96
JOURNEYMAN	\$ 66.50	\$ 88.47	\$ 110.40				\$ -
APPRENTICE	\$ 41.14	\$ 64.50	\$ 90.55				\$ -
PROJECT MANAGER	\$ 85.00						\$ -

LABOR SUB TOTAL \$ **283.96**

**EQUIPMENT**

COST + 15%	<u>RATES</u>				QUANTITY	<u>EXTENDED</u>
	HOUR	DAY	WEEK	MONTH		

TOOL SUB TOTAL \$ -

**MATERIAL**

COST + 15%	<u>EXTENDED</u>

MATERIAL SUB TOTAL \$ -

**SUB-CONTRACTOR**

COST + 15%	<u>EXTENDED</u>

SUB-CONTRACTOR SUB TOTAL \$ -

**Total Proposed Change Order price: \$ 283.96**

Submitted By: DAVE PERRINS, Project Manager Date: 7/30/2018

Approved By: \_\_\_\_\_ Date: \_\_\_\_\_

Title \_\_\_\_\_

**Solid Rock Gate Supply Inc dba Welding  
Fabrication Services**

6955 N Pleasant View Rd  
Post Falls, ID 83854

**Bill To**

Apollo Inc  
Kevin Burke  
1133 West Columbia Drive  
Kennewick, WA 99336

Phone: (208) 457-8048  
Fax: (208) 457-8858  
E-Mail: sales@welding-fab.com

# Invoice

<b>Date</b>	<b>Terms</b>	<b>P.O. Number</b>	<b>Invoice #</b>
2/12/2018	Due on receipt		20854

<b>Description</b>	<b>Color</b>	<b>Quantity</b>	<b>Price Each</b>	<b>Amount</b>
WCD 8 REPLACE 10" PER - CORRODED OUT-			180.00	180.00

Work Order #

Thank you for your business.  
Late Charges of 1.5% per month assessed on past due balances.

<b>Sales Tax (6.0%)</b>	\$0.00
<b>Payments/Credits</b>	\$0.00
<b>Balance Due</b>	\$180.00



# Western Waterworks Supply

1209 3rd Avenue North

Nampa, ID 83687

Phone: (208) 463-2948 Fax: (208) 463-7853

## Invoice

Invoice Number

1210

Invoice Date

1/11/2018

**Bill To:** Apollo, Inc.  
PO Box 7305  
  
Kennewick, WA 98336

**Ship To:** Apollo, Inc.  
765 W. Hubbard Ave  
  
Coeur d'Alene, ID 83814

Our Job No	Customer Job No	Customer PO	Payment Terms	Due Date
380		P162-0015	Net 30 Days	2/10/2018
Description				Price
SST Pipe Fabrication - See attached packing list				<del>7,650.00</del>

\$4,660.00 per 12/8/17 email

APOLLO, INC.  
JAN 16 2018  
RECEIVED

**Please remit payments to:**

Western Waterworks Supply  
1209 3rd Avenue North  
Nampa, ID 83687

**Sales Tax Loc:**

Idaho Sales Tax

Subtotal \$ 7,650.00  
Sales Tax (if applicable) \$ 0.00

**Total Due \$ ~~7,650.00~~**

Thank you for your business!

Western Waterworks  
Supply

1709 3rd Avenue North  
Nampa, ID 83857  
(208) 463-2948

# PACKING LIST

Pack List Number: 14972  
Shipping Date: 1/10/2018

**Ship From:**

Orbit Industries  
778 South 27th St.  
Washouga, WA 98671

**Ship To:**

Apollo Inc.  
705 W Hubbard Ave  
Coeur D'Alene, ID 83814

Contact Name:  
Greg Parsons  
(208) 463-2948 (PH)

Contact Name:  
Tony (509) 948-3803

Shipping Method/Carrier		Job Name	Customer PO Number	
KPO Logistics		CDW-380	P162-0015	
Tag #	Item Description		Shipped	B/O
MU-02	10-SS steel pipe		1	0
	<del>8-SS Class-D flanges -316-SS</del>		<del>5</del>	<del>0</del>
	8-SS 1/2" plate flanges-316-SS		4	0
	6-SS Class-D flanges 316-SS		1	0
Notes: Question or concerns please contact (208) 463-2948 ext 301 or afussler@westernwaterworks.net		Total Items:	11.00	

**From:** [Sam Clegg](mailto:Sam.Clegg)  
**To:** [Amy Jenne](mailto:Amy.Jenne)  
**Cc:** [greg@westernwaterworks.net](mailto:greg@westernwaterworks.net)  
**Subject:** RE: Additional materials TMF  
**Date:** Friday, December 8, 2017 10:38:30 AM

---

Break-out would be as follows:

8" - \$2,680  
6" - \$310  
10" - \$4,660

Thanks,

**Sam Clegg**

Western Waterworks Supply  
Nampa, Idaho

Ph. 208.463.2948 ext 304  
Cell 208.318.4728

---

**From:** Amy Jenne [<mailto:amy.jenne@apollo-gc.com>]  
**Sent:** Friday, December 8, 2017 11:11 AM  
**To:** Greg Parsons; Tony Delapena; 'Sam Clegg'  
**Subject:** RE: Additional materials TMF

Greg,

One more thing I need, please break out the 10" components into one price, the 8" components into one price and the 6" component. These are all different change orders so I need them separately. Your change order will come lump sum for entire amount.

Thanks.  
Amy

---

**From:** Greg Parsons [<mailto:greg@westernwaterworks.net>]  
**Sent:** Friday, December 8, 2017 10:09 AM  
**To:** Amy Jenne <[amy.jenne@apollo-gc.com](mailto:amy.jenne@apollo-gc.com)>; Tony Delapena <[t.delapena@apollo-gc.com](mailto:t.delapena@apollo-gc.com)>; 'Sam Clegg' <[sam@westernwaterworks.net](mailto:sam@westernwaterworks.net)>  
**Subject:** RE: Additional materials TMF

Amy,

We will get it moving.

Greg Parsons  
Project Coordinator  
Western Waterworks Supply

(208) 463-2948 x306 direct  
(208) 463-7853 fax  
[greg@westernwaterworks.net](mailto:greg@westernwaterworks.net)

---

**From:** Amy Jenne [<mailto:amy.jenne@apollo-gc.com>]  
**Sent:** Friday, December 8, 2017 10:59 AM  
**To:** Greg Parsons; Tony Delapena; 'Sam Clegg'  
**Subject:** RE: Additional materials TMF

Greg/Sam,

I will get a change order issued today. Please proceed.

Amy

---

**From:** Greg Parsons [<mailto:greg@westernwaterworks.net>]  
**Sent:** Friday, December 8, 2017 9:42 AM  
**To:** Tony Delapena <[t.delapena@apollo-gc.com](mailto:t.delapena@apollo-gc.com)>; 'Sam Clegg' <[sam@westernwaterworks.net](mailto:sam@westernwaterworks.net)>  
**Cc:** Amy Jenne <[amy.jenne@apollo-gc.com](mailto:amy.jenne@apollo-gc.com)>  
**Subject:** RE: Additional materials TMF

Yes it is.

Greg Parsons  
Project Coordinator  
Western Waterworks Supply

(208) 463-2948 x306 direct  
(208) 463-7853 fax  
[greg@westernwaterworks.net](mailto:greg@westernwaterworks.net)

---

**From:** Tony Delapena [<mailto:t.delapena@apollo-gc.com>]  
**Sent:** Friday, December 8, 2017 10:33 AM  
**To:** Sam Clegg  
**Cc:** [greg@westernwaterworks.net](mailto:greg@westernwaterworks.net); Amy Jenne  
**Subject:** Re: Additional materials TMF

Sam,

I did speak to Greg about a 6 week turn around. Is this still possible with the passivation?

Sent from my iPhone

On Dec 8, 2017, at 9:27 AM, Sam Clegg <[sam@westernwaterworks.net](mailto:sam@westernwaterworks.net)><<mailto:sam@westernwaterworks.net>>> wrote:

The quote for your items is as follows:

Description

Qty

8" SST Class D Flange 316

5

WCD 009

BELZONA COATING



December 21, 2017

Apollo, Inc.  
1133 West Columbia Drive  
Kennewick, WA 99336

Attn: Amy Jenne

Re: Coeur d'Alene Tertiary Treatment Phase 2 project  
WCD 009 – Belzona Coating of Permeate and Backpulse Pump Volutes  
Engineer's Decision

Amy,

We have reviewed your cost proposal for WCD 009 Belzona Coating of Permeate and Backpulse Pump Volutes. We have found your submitted cost proposal to be acceptable. However, we have made an adjustment of the Forklift Operator (\$46.00 to \$45.84) and Forklift (\$40.00 to \$39.59) rates to match the agreed upon labor and equipment rates. This provides a slight adjustment of the total cost from \$19,981.90 to \$19,980.47.

A total cost of \$19,980.47 and a total of 0 calendar days will be included in the forthcoming final Change Order.

Sincerely,  
HDR Engineering, Inc.

A handwritten signature in blue ink, appearing to read 'Todd Jensen'.

Todd Jensen, PE, CCM  
*Construction Manager*

cc: Jim Remitz – City of Coeur d'Alene Wastewater Department  
Rickey Schultz – HDR  
Lizzy English – HDR  
Mike Soucie – HDR  
Mary Scalise – HDR

Date of Issuance:	Effective Date:	12/04/2017
Owner: City of Coeur d'Alene, ID	Owner's Contract No.:	
Contractor: Apollo	Contractor's Project No.:	
Engineer: HDR	Engineer's Project No.:	10026247
Project: CDA Tertiary Phase 2 Improvements	Contract Name:	

**Contractor is directed to proceed promptly with the following change(s):**

Description:

While working in the TMF basement the Engineer, Owner and Contractor discovered evidence of corrosion in the permeate and backpulse pump volutes; a total of 7 pump volutes.

Contractor shall proceed with the following steps, any delay to this schedule shall be reported to Engineer immediately:

1. Monday, December 4, 2017, mid-day: APSCO technicians arrive on site to begin disassembly of pumps.
2. Tuesday, December 5, 2017: Finish any disassembly not completed on Monday, transport pumps to Spokane for sandblasting and application of first coat of the inside of the pump casing/volute and front side of the rear cover plate with Belzona 1341.
3. Wednesday, December 6, 2017: Application of second coat inside of the pump casing/volute and front side of the rear cover plate with Belzona 1341.
4. Thursday, December 7, 2017: Return pumps to site
5. Friday, December 8, 2017: Pumps and volutes will be temporarily installed to support continuation of Contractor's subsequent activities, and avoid delaying contractor's schedule.
6. APSCO tech(s), as well as a Flowserve tech, will return to the site in mid-January for seal installation (see WCD 010) and the final pump reassembly & alignment.
7. Contractor shall coordinate with technicians during disassembly and reassembly of pump volutes and seal installation.

Contractor shall confirm work activities daily with on-site RPR.

**Purpose for Work Change Directive:**

Directive to proceed promptly with the Work described herein, prior to agreeing to changes on Contract Price and Contract Time, is issued due to:

- Non-agreement on pricing of proposed change.
- Necessity to proceed for schedule or other Project reasons.

**Estimated Change in Contract Price and Contract Times (non-binding, preliminary):**

Contract Price \$ 20,375.25 increase

Contract Time 0 days

**Basis of estimated change in Contract Price:**

- Lump Sum  Unit Price  
 Cost of the Work per Day  Other

**RECOMMENDED:**

By:   
Engineer (Authorized Signature)

Title: Project Manager

Date: 12/04/17


**AUTHORIZED BY:**

By:   
Owner (Authorized Signature)

Title: CAP. PROG. MGR.

Date: 12-4-2017

**RECEIVED:**

By:   
Contractor (Authorized Signature)

Title: VP

Date: 12/28/17





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**Work Change Directive**  
 Project: City of Coeur d'Alene Tertiary Treatment Phase 2  
 Apollo Inc.

WCD No: 9

Date: 12/08/17

Description	Labor	Mat	Equip.	Subcont. Total	Supp Total	Total
Item 1	\$ 1,042.36	\$ -	\$ 92.00	\$ 18,600.75	\$ -	\$ 19,735.11
<b>SUBTOTAL COST &gt;</b>						<b>\$ 19,735.11</b>
Insurance Premium .5% - Changed Work >						\$ 98.68
Bond Premium .75% - Changed Work >						\$ 148.01
<b>TOTAL LUMP SUM COST &gt;</b>						<b>\$ 19,981.80</b>

**Work Change Directive**  
**Project: City of Coeur d'Alene Tertiary Treatment Phase 2**  
**Apollo Inc.**

**WCD No:** 9  
**Item No:** 1  
**Date:** 12/8/17

*Item Description: APSCO work as described in WCD 09 and as coordinated with City of CDA and HDR. APSCO scope of services coordinated directly with City of CDA and HDR.*

Description	Qty	U of M	Rate	Labor	Unit	Rate	Mat	Unit	Rate	Equip.	Subcont. Total	Total
<b>APOLLO - PROJECT SUPERVISION COSTS</b>												
Project Manager	4.0	HR	\$ 90.00	\$ 360.00								\$ 360.00
Project Superintendent	4.0	HR	\$ 79.56	\$ 318.24								\$ 318.24
Mechanical Piping Superintendent	2.0	HR	\$ 68.08	\$ 136.16								\$ 136.16
<b>APOLLO - OPERATED EQUIPMENT</b>												
<b>Forklift - CAT TH83</b>												
+ Operator	2.0	HR	\$ 46.00	\$ 92.00								\$ 92.00
+ Operating Costs	2.0							HRLY	\$ 40.00	\$ 80.00		\$ 80.00
							\$ -					\$ -
Apollo - Subtotal Direct Costs >				\$ 906.40			\$ -			\$ 80.00		\$ 986.40
Markup on Self-Performed Labor, Mat'ls & Equipment >	15.0%			\$ 135.96			\$ -			\$ 12.00		\$ 147.96
<b>SUBCONTRACTOR COSTS</b>												
APSCO	1										\$ 17,715.00	\$ 17,715.00
											\$ -	\$ -
Subtotal Subcontractors Costs >											\$ 17,715.00	\$ 17,715.00
Markup on Subcontractor Costs >	5.0%										\$ 885.75	\$ 885.75

<b>Contractor - Total Direct Costs w/Markup &gt;</b>	<b>\$ 19,735.11</b>
Insurance Premium .5% - Changed Work >	\$ 98.68
Bond Premium .75% - Changed Work >	\$ 148.01
<b>TOTAL LUMP SUM COST &gt;</b>	<b>\$ 19,981.80</b>



**APSCO, LLC**  
 PO Box 2639 • Kirkland, WA 98083-2639  
 PH: (425) 822-3335 • FAX: (425) 827-6171  
 EMAIL: apSCO@apSCO-llc.com  
 www.apSCO-llc.com

# Quote

Date	Quote #
11/15/2017	3780

Invoice/Bill To
City of Coeur d'Alene Attn: Accounts Payable 710 East Mullan Avenue Coeur d'Alene, ID 83814

Ship To
City of Coeur d'Alene WWTP 881 West Hubbard Avenue Coeur d'Alene, ID 83814

Contact:	Payment Terms	FOB
Rickey Schultz	Net 30	Kirkland, WA

Item	Description	Qty	Lead Time	Cost	Total
1341 Belzona S...	1341 Belzona Supermetalgilide (Blue & Grey) -1 x 500g	24	3 days		0.00T
HoldTight 5 gal	HoldTight 5 gal	1	In stock		0.00T
Field Service	Work Scope:  Apsco will provide two service technicians to disassemble all 7 new pumps, so the necessary parts can be sandblasted and coated with Belzona 1341.  Parts will be delivered to NW Sandblasting in Spokane to be sandblasted. Immediately after sandblasting, Apsco's service technicians will complete the Belzona coating with the supervision of Jacob Knight at Belzona Technology, Washington.  Following coating and proper cure time, the (7) pumps will be reassembled by Apsco's Service Tech's.  Parts to be sandblasted include: - Inside of pump casing. - Front side of front cover of the rear cover plate.  Service Includes: - (2) service techs. - (1) day travel and disassembly. - (2) day's of sandblasting and coating. - (1) day reassemble and travel.	1	4 days	17,715.00	17,715.00T

Prices are subject to change without notice.	Subtotal	\$17,715.00
	Sales Tax (0.0%)	\$0.00
	<b>Total</b>	<b>\$17,715.00</b>

WCD 010

FLOWSERVE REPLACEMENT SEALS



March 27, 2018

Apollo, Inc.  
1133 West Columbia Drive  
Kennewick, WA 99336

Attn: Amy Jenne

Re: Coeur d'Alene Tertiary Treatment Phase 2 project  
WCD 010 – Replace Seals on Existing Flowserve Pumps  
Engineer's Decision

Amy,

We have reviewed your cost proposal for the remaining payment of WCD 010 Replace Seals on Existing Flowserve Pumps. We have found your submitted cost proposal to be acceptable.

A total cost of \$7,016.44 and a total of 0 calendar days will be included in the forthcoming final Change Order. This will bring the total cost for WCD 010 to \$19,718.38 (\$7,016.44 + \$12,701.94).

Sincerely,  
HDR Engineering, Inc.

Todd Jensen, PE, CCM  
*Construction Manager*

cc: Jim Remitz – City of Coeur d'Alene Wastewater Department  
Rickey Schultz – HDR  
Lizzy English – HDR  
Mike Soucie – HDR  
Mary Scalise – HDR

APSCO LLC

425-822-3335

P.O. Box 2639

Kirkland, WA 98083-2639

# Invoice

Date	Invoice #
3/19/2018	20390

Bill To
Apollo, Inc. P.O. Box 7305 Kennewick, WA 99336

Ship To
City of Coeur d'Alene WWTP 881 West Hubbard Avenue Coeur d'Alene, ID 83814

P.O. Number	Terms	Rep	Ship	Via	F.O.B.	Project
	Net 30	JB	1/21/2018			
Quantity	Item Code	Description			Price Each	Amount
1	Labor	Labor - Flowserve Technician - 1/15 - 1/18, 2018			4,992.00	4,992.00
1	Hotel Reimb	Lodging and meals - Flowserve Technician - 1/15 - 1/18, 2018			530.00	530.00
1	Travel Reimb	Airfare and Car Rental - Flowserve Technician - 1/15 - 1/18, 2018			1,494.44	1,494.44
					<b>Total</b>	\$7,016.44

## FIELD SERVICE INVOICE WORK-UP

REP NAME		CUSTOMER			TIME PERIOD		C# - CW0180004	
B. CHRISTIE		APSCO LLC			1/15/2018-1/17/2018		FY# - XVIII-0007	
		W/E	W/E	W/E	W/E	TOTAL	RATE	INVOICE
DOMESTIC 2018		1/21/2018				DAYS/HRS		AMOUNT
REGULAR	HR	12.0				12.0	208.00	\$2,496.00
OVERTIME	HR					0.0	312.00	\$0.00
SUNDAY/HOLIDAY	HR					0.0	416.00	\$0.00
STANDBY	DAY					0.0	1664.00	\$0.00
TRAVEL MON-SAT	HR	12.0				12.0	208.00	\$2,496.00
TRAVEL SUN/HOL	HR					0.0	208.00	\$0.00
TOTAL								\$4,992.00
LODGING/MEALS	DAY	2				2	225.00	\$450.00
TRAVEL PER DIEM	DAY	1				1	80.00	\$80.00
TAXI	\$					\$0.00	1.15	\$0.00
LAUNDRY	\$					\$0.00	1.15	\$0.00
AGENT FEE	\$					\$0.00	1.15	\$0.00
TOTAL								\$530.00
AIRFARE	\$	\$947.00				\$947.00	1.15	\$1,089.05
CAR RENTAL	\$	\$231.84				\$231.84	1.15	\$266.62
MILEAGE	MILE	78				78	0.545	\$42.51
GAS	\$	\$20.70				\$20.70	1.15	\$23.81
PARKING & TOLLS	\$	\$63.00				\$63.00	1.15	\$72.45
BAG FEE	\$					\$0.00	1.15	\$0.00
TOTAL								\$1,494.44
<b>GRANDTOTAL</b>		Attached is the Field Service work up for this project. The job was completed under the original estimate. Please review this attachment and reply back immediately if you have any concerns or issues regarding the amount. Flowserve will invoice this amount unless we hear otherwise within 48 hours.						<b>\$7,016.44</b>





March 5, 2018

Apollo, Inc.  
1133 West Columbia Drive  
Kennewick, WA 99336

Attn: Amy Jenne

Re: Coeur d'Alene Tertiary Treatment Phase 2 project  
WCD 010 – Replace Seals on Existing Flowserve Pumps  
Engineer's Decision

Amy,

We have reviewed your cost proposal for partial payment of WCD 010 Replace Seals on Existing Flowserve Pumps. We have found your submitted cost proposal to be acceptable. It is our understanding that you will request payment for the Flowserve representative costs once you receive an invoice from them. We will review and prepare another Engineer's Decision for WCD 010 once received from you.

For now a total cost of \$12,701.94 and a total of 0 calendar days will be included in the forthcoming final Change Order.

Sincerely,  
HDR Engineering, Inc.

A handwritten signature in blue ink, appearing to read 'Todd Jensen'.

Todd Jensen, PE, CCM  
*Construction Manager*

cc: Jim Remitz – City of Coeur d'Alene Wastewater Department  
Rickey Schultz – HDR  
Lizzy English – HDR  
Mike Soucie – HDR  
Mary Scalise – HDR



**/// BUILDING PEOPLE WHO BUILD GREAT THINGS**

**Work Change Directive**  
 Project: City of Coeur d'Alene Tertiary Treatment Phase 2  
 Apollo Inc.

WCD No: 10

Date: 03/05/18

Description	Labor	Mat	Equip.	Subcont. Total	Supp Total	Total
Partial Billing - Replace Flowserve pump seals	\$ 207.00	\$ -	\$ -	\$ 12,338.13	\$ -	\$ 12,545.13

**SUBTOTAL COST > \$ 12,545.13**

Insurance Premium .5% - Changed Work > \$ 62.73

Bond Premium .75% - Changed Work > \$ 94.09

**TOTAL LUMP SUM COST > \$ 12,701.94**

**Work Change Directive**  
**Project: City of Coeur d'Alene Tertiary Treatment Phase 2**  
**Apollo Inc.**

**WCD No:** 10  
**Item No:** 1  
**Date:** 3/5/18

*Item Description: Replace seals on existing Flowserve Pumps*

Description	Qty	U of M	Rate	Labor	Unit	Rate	Mat	Unit	Rate	Equip.	Subcont. Total	Total
<b>APOLLO - PROJECT SUPERVISION COSTS</b>												
Project Manager	2.0	HR	\$ 90.00	\$ 180.00								\$ 180.00
Project Superintendent		HR	\$ 79.56	\$ -								\$ -
Mechanical Piping Superintendent		HR	\$ 68.08	\$ -								\$ -
Apollo - Subtotal Direct Costs >				\$ 180.00			\$ -			\$ -		\$ 180.00
Markup on Self-Performed Labor, Mat'ls & Equipment >	15.0%			\$ 27.00			\$ -			\$ -		\$ 27.00
<b>SUBCONTRACTOR COSTS</b>												
APSCO	1										\$ 11,750.60	\$ 11,750.60
											\$ -	\$ -
Subtotal Subcontractors Costs >											\$ 11,750.60	\$ 11,750.60
Markup on Subcontractor Costs >	5.0%										\$ 587.53	\$ 587.53

<b>Contractor - Total Direct Costs w/Markup &gt;</b>	<b>\$ 12,545.13</b>
Insurance Premium .5% - Changed Work >	\$ 62.73
Bond Premium .75% - Changed Work >	\$ 94.09
<b>TOTAL LUMP SUM COST &gt;</b>	<b>\$ 12,701.94</b>

APSCO LLC

425-822-3335

P.O. Box 2639

Kirkland, WA 98083-2639

# Invoice

Date	Invoice #
1/31/2018	20306

Bill To
Apollo, Inc. P.O. Box 7305 Kennewick, WA 99336

Ship To
City of Coeur d'Alene WWTP 881 West Hubbard Ave Coeur d'Alene, ID 83814

P.O. No.	Terms	Project
Amy Jenne	Net 30	

Item	Description	S.O. ....	Order...	Prev. Inv...	Backor...	Invoiced	Rate	Amount
AY30451J-...	GASKET GLAND SEAL GP3	2190	2	0	0	2	79.29	158.58
SA3687AA...	Gasket, impeller #SA3687AA00-TFR	2190	2	0	0	2	53.91	107.82
Y29838B-TM	Gasket, rear cover #Y29838B-TM	2190	2	0	0	2	69.77	139.54
	<<<<<S/N's>>>>>	2190						
	1253635CHP002A							
	1253635CHP002B							
AY30451J-...	GASKET GLAND SEAL GP3	2190	5	0	0	5	79.29	396.45
SA3687AA...	Gasket, impeller #SA3687AA00-TFR	2190	5	0	0	5	53.91	269.55
Y29838B-TM	Gasket, rear cover #Y29838B-TM	2190	5	0	0	5	69.77	348.85
	<<<<<S/N's>>>>>	2190						
	1253635CHP001A							
	1253635CHP001B							
	1253635CHP001C							
	1253635CHP001D							
	1253635CHP001E							
Freight	<<<<<<Freight>>>>>>	2190	1	0		1	559.81	559.81
1341 Belzo...	1341 Belzona Supermetalgilde (Blue & Grey) -1 x 500g	2195	24	24	0	0	250.00	0.00
HoldTight 5...	HoldTight 5 gal	2195	1	1	0	0		0.00
Field Service	Work Scope:	2195	1	0.5967		0.4033	11,715.00	4,724.66
	Apsco will provide two service technicians to disassemble all 7 new pumps, so the necessary parts can be sandblasted and coated with Belzona							

APOLLO, INC.  
FEB 05 2018  
RECEIVED

<b>Subtotal</b>
<b>Sales Tax (0.0%)</b>
<b>Total</b>
<b>Payments/Credits</b>
<b>Balance Due</b>

APSCO LLC

425-822-3335

P.O. Box 2639

Kirkland, WA 98083-2639

# Invoice

Date	Invoice #
1/31/2018	20306

<b>Bill To</b>
Apollo, Inc. P.O. Box 7305 Kennewick, WA 99336

<b>Ship To</b>
City of Coeur d'Alene WWTP 881 West Hubbard Ave Coeur d'Alene, ID 83814

P.O. No.	Terms	Project
Amy Jenne	Net 30	

Item	Description	S.O. ...	Order...	Prev. Inv...	Backor...	Invoiced	Rate	Amount
1341.	<p>Parts will be delivered to NW Sandblasting in Spokane to be sandblasted. Immediately after sandblasting, Apasco's service technicians will complete the Belzona coating with the supervision of Jacob Knight at Belzona Technology, Washington.</p> <p>Following coating and proper cure time, the (7) pumps will be reassembled by Apasco's Service Tech's.</p> <p>Parts to be sandblasted include:</p> <ul style="list-style-type: none"> <li>- Inside of pump casing,</li> <li>- Front side of front cover of the rear cover plate,</li> </ul> <p>Service Includes:</p> <ul style="list-style-type: none"> <li>- (2) service techs.</li> <li>- (1) day travel and disassembly.</li> <li>- (2) day's of sandblasting and coating,</li> <li>- (1) day reassemble and travel,</li> </ul>							

<b>Subtotal</b>						
<b>Sales Tax (0.0%)</b>						
<b>Total</b>						
<b>Payments/Credits</b>						
<b>Balance Due</b>						

APSCO LLC

425-822-3335

P.O. Box 2639

Kirkland, WA 98083-2639

# Invoice

Date	Invoice #
1/31/2018	20306

Bill To
Apollo, Inc. P.O. Box 7305 Kennewick, WA 99336

Ship To
City of Coeur d'Alene WWTP 881 West Hubbard Ave Coeur d'Alene, ID 83814

P.O. No.	Terms	Project
Amy Jenne	Net 30	

Item	Description	S.O. ...	Order...	Prev. Inv...	Backor...	Invoiced	Rate	Amount
MISCELLA...	Part Number: 51-262-54 Replacement T51 component PAC seal, 316SS metals, SC vs carbon faces, EPDM elastomers. DOES NOT INCLUDE GLAND GASKET  FLOWSERVE TECHNICIAN BILLING TO FOLLOW....	2195	7	0	0	7	1,395.71429	9,770.00

<b>Subtotal</b>							\$16,475.26
<b>Sales Tax (0.0%)</b>							\$0.00
<b>Total</b>							\$16,475.26
<b>Payments/Credits</b>							\$0.00
<b>Balance Due</b>							\$16,475.26

Date of Issuance: 12/05/2017      Effective Date: 12/05/2017  
Owner: City of Coeur d'Alene, ID      Owner's Contract No.:  
Contractor: Apollo      Contractor's Project No.:  
Engineer: HDR      Engineer's Project No.: 10026247  
Project: CDA Tertiary Phase 2 Improvements      Contract Name:

**Contractor is directed to proceed promptly with the following change(s):**

Description:

While working in the TMF basement the Engineer, Owner and Contractor discovered evidence of corrosion in the Permeate water and the Backpulse water pump volutes (7 total). The seals shall be replaced with the in kind PAC51 seals. A Flowserve field service representative is required to be onsite to supervise the work performed.

Contractor shall proceed with the following steps, any delay to this schedule shall be reported to Engineer immediately:

1. Provide and install the replacement PAC 51 Seals and gland gaskets.
2. APSCO tech(s), as well as a Flowserve field service technician, will schedule to be onsite in mid-January for seal installation.
3. APSCO will be responsible for installation of the seals and reassembly of the pump, to be supervised by Flowserve field service technician.
4. A detailed report with pictures from the Flowserve field tech of the performed activities shall be submitted to the Engineer.

Contractor shall confirm work activities daily with on-site RPR.

**Purpose for Work Change Directive:**

Directive to proceed promptly with the Work described herein, prior to agreeing to changes on Contract Price and Contract Time, is issued due to:

- Non-agreement on pricing of proposed change.
- Necessity to proceed for schedule or other Project reasons.



**Estimated Change in Contract Price and Contract Times (non-binding, preliminary):**

Contract Price \$ 20,000.00 increase

Contract Time 0 days

**Basis of estimated change in Contract Price:**

- Lump Sum  Unit Price  
 Cost of the Work per Day  Other

**RECOMMENDED:**

**AUTHORIZED BY:**

**RECEIVED:**

By: 

By: 

By: 

Engineer (Authorized Signature)

Owner (Authorized Signature)

Contractor (Authorized Signature)

Title: Project Manager

Title: Cap. Proj. MGR.

Title: VP

Date: 12/05/17

Date: 12-5-2017

Date: 2/27/18

WCD 011

TMF FLOW SPLIT STRUCTURE GATES RELOCATION



January 16, 2018

Apollo, Inc.  
1133 West Columbia Drive  
Kennewick, WA 99336

Attn: Amy Jenne

Re: Coeur d'Alene Tertiary Treatment Phase 2 project  
WCD 011 – Relocate Gates SLG-6104-53 and 54 to Opposite Side of Split Structure  
Engineer's Decision

Amy,

We have reviewed your cost proposal for WCD 011 – Relocate Gates SLG-53 and 54 to Opposite Side of Split Structure. We have found your submitted cost proposal to be acceptable.

A total cost of \$1,535.83 and a total of 0 calendar days will be included in the forthcoming final Change Order.

Sincerely,  
HDR Engineering, Inc.

A handwritten signature in blue ink, appearing to read 'Todd Jensen'.

Todd Jensen, PE, CCM  
*Construction Manager*

cc: Jim Remitz – City of Coeur d'Alene Wastewater Department  
Rickey Schultz – HDR  
Lizzy English – HDR  
Mike Soucie – HDR  
Mary Scalise – HDR

Date of Issuance: 12/21/2017                      Effective Date: 12/21/2017  
Owner: City of Coeur d'Alene, ID                      Owner's Contract No.:  
Contractor: Apollo                      Contractor's Project No.:  
Engineer: HDR                      Engineer's Project No.: 10026247  
Project: CDA Tertiary Phase 2 Improvements                      Contract Name:

**Contractor is directed to proceed promptly with the following change(s):**

Description:

The Contractor discovered that gates SLG-6104-53 and -54 could not be installed in the TMF Flow Split Structure as shown in the contract drawings due to an interference with adjacent gates. Gates SLG-6104-53 and -54 shall be moved to opposite side of the split structure, more specifically to the side of the split structure having the 36-inch mixed liquor pipeline conveying flow to Chemical Mixing Tank #3. Engineer has confirmed the seating head and unseating heads for these gates, as indicated on the shop drawing, are the same. The Contractor has confirmed this information with the manufacturer as well.

Contractor shall proceed with the following steps:

1. Anchor gates to unseated (plan east) wall face of the Flow Split Structure using concrete epoxy anchors.
2. Modify fiberglass decking and decking support to accommodate the relocation of the gates.
3. Cut existing anchor bolts on seating side of Flow Split Structure flush with wall.

Contractor shall confirm work activities daily with on-site RPR.

**Purpose for Work Change Directive:**

Directive to proceed promptly with the Work described herein, prior to agreeing to changes on Contract Price and Contract Time, is issued due to:

- Non-agreement on pricing of proposed change.
- Necessity to proceed for schedule or other Project reasons.

**Estimated Change in Contract Price and Contract Times (non-binding, preliminary):**

Contract Price \$ TBD increase

Contract Time 0 days

**Basis of estimated change in Contract Price:**

- Lump Sum  Unit Price  
 Cost of the Work per Day  Other

**RECOMMENDED:**

**AUTHORIZED BY:**

**RECEIVED:**

By:   
Engineer (Authorized Signature)

By:   
Owner (Authorized Signature)

By:   
Contractor (Authorized Signature)

Title: Project Manager

Title: ~~Cap. Program MGR~~

Date: 12/21/17

Date: 12-26-2017

Date:



**/// BUILDING PEOPLE WHO BUILD GREAT THINGS**

**Work Change Directive**  
 Project: City of Coeur d'Alene Tertiary Treatment Phase 2  
 Apollo Inc.

WCD No: 11

Date: 12/27/17

Description	Labor	Mat	Equip.	Subcont. Total	Supp Total	Total
Item 1	\$ 1,086.04	\$ 402.50	\$ -	\$ -	\$ 28.33	\$ 1,516.87
<b>SUBTOTAL COST &gt;</b>						<b>\$ 1,516.87</b>
Insurance Premium .5% - Changed Work >						\$ 7.58
Bond Premium .75% - Changed Work >						\$ 11.38
<b>TOTAL LUMP SUM COST &gt;</b>						<b>\$ 1,535.83</b>

Work Change Directive  
 Project: City of Coeur d'Alene Tertiary Treatment Phase 2  
 Apollo Inc.

WCD No: 11  
 Item No: 1  
 Date: 12/27/17

*Item Description: Relocate gates SLG-6104-53 and 54 to opposite side of split structure.*

Description	Qty	U of M	Rate	Labor	Unit	Rate	Mat	Unit	Rate	Equip.	Subcont. Total	Total
<b>APOLLO - PROJECT SUPERVISION COSTS</b>												
Project Manager	2.0	HR	\$ 90.00	\$ 180.00								\$ 180.00
Project Superintendent	2.0	HR	\$ 79.56	\$ 159.12								\$ 159.12
Mechanical Piping Superintendent	1.0	HR	\$ 68.08	\$ 68.08								\$ 68.08
<b>APOLLO - CRAFT LABOR COSTS</b>												
<b>Carpenters</b>												
Remove & Reinstall Anchors Carpenter	8.0	HR	\$ 38.37	\$ 306.96								\$ 306.96
Modify FRP Grating Carpenter	6.0	HR	\$ 38.37	\$ 230.22								\$ 230.22
<b>APOLLO - MATERIAL COSTS</b>												
Anchors & Epoxy	1.0				LS	\$ 350.00	\$ 350.00					\$ 350.00
							\$ -					\$ -
Apollo - Subtotal Direct Costs >				\$ 944.38			\$ 350.00			\$ -		\$ 1,294.38
Markup on Self-Performed Labor, Mat's & Equipment >	15.0%			\$ 141.66			\$ 52.50			\$ -		\$ 194.16
<b>SUPPLEMENTAL COSTS</b>												
Special Consultants											\$ -	\$ -
Subsistence for Project Supervision					HR	\$ 11.25	\$ -					\$ -
Temporary Facilities at the Site					LS		\$ -					\$ -
Small Tools	1.0				LS	\$ 28.33	\$ 28.33					\$ 28.33
Subtotal Supplementary Costs >							\$ 28.33				\$ -	\$ 28.33
Markup on Supplementary Costs >	0.0											

<b>Contractor - Total Direct Costs w/Markup &gt;</b>	<b>\$ 1,516.87</b>
Insurance Premium .5% - Changed Work >	\$ 7.58
Bond Premium .75% - Changed Work >	\$ 11.38
<b>TOTAL LUMP SUM COST &gt;</b>	<b>\$ 1,535.83</b>



WCD 012

CHEM BLDG ELECTRICAL, HVAC DUCT, EYE WASH ALARM



August 13, 2018

Apollo, Inc.  
1133 West Columbia Drive  
Kennewick, WA 99336

Attn: Amy Jenne

Re: Coeur d'Alene Tertiary Treatment Phase 2 project  
WCD 012 – Chemical Building Electrical, HVAC Duct, and Eye Wash Alarms  
Engineer's Decision

Amy,

We have reviewed your cost proposal for WCD 012 – Chemical Building Electrical, HVAC Duct and Eye Wash Alarms. We have found your submitted cost proposal to be acceptable.

A total cost of \$16,553.16 and a total of 0 calendar days will be included in the forthcoming final Change Order.

Sincerely,  
HDR Engineering, Inc.

A handwritten signature in blue ink, appearing to read 'Todd Jensen'.

Todd Jensen, PE, CCM  
*Construction Manager*

cc: Jim Remitz – City of Coeur d'Alene Wastewater Department  
Rickey Schultz – HDR  
Mike Soucie – HDR  
Mary Scalise – HDR

Date of Issuance: 12/27/2017	Effective Date: 12/27/2017
Owner: City of Coeur d'Alene, ID	Owner's Contract No.:
Contractor: Apollo	Contractor's Project No.:
Engineer: HDR	Engineer's Project No.: 10026247
Project: CDA Tertiary Phase 2 Improvements	Contract Name:

**Contractor is directed to proceed promptly with the following change(s):**

Description:

Contractor shall proceed with the following:

1. To address the interferences in Chemical System Center Building HVAC duct work:
  - a. Remove the air ducting to allow for the installation gas line, water lines, and electrical lines per contract.
  - b. Reinstall duct work and off-set around bank of new utilities.
  - c. The HVAC duct work shall be extended into the new containment area down to approximately 12 inches above finished floor. Add one exhaust grille at the top of new duct work and provide a volume damper.
  - d. Rebalance HVAC system after completion of work.
2. Relocate electrical outlets blocked by newly installed equipment or tanks. Coordinate location with Owner and Resident Project Representative.
3. Provide 120 V power source to fan for Water Heater GHWH-570-02 and for the Water Softener. Wires for these power sources may be run in the same conduit but provide a dedicated breaker for each power source.
4. Furnish heat trace and insulation for Emergency Eyewash and Shower ESEW-570-02 piping. See Specification Sections 40 41 13 and 40 42 00.
5. Furnish flow switch for existing Emergency Eyewash and Shower in Chemical Systems Center. Flow switch to be 125/250 V, 5 A; Single pole, double throw; and UL listed. Provide conduit and wiring matching installation of new eyewash and showers. Digital inputs from any eyewash and shower shall result in a single, common alarm at plant SCADA.

Contractor shall confirm work activities daily with on-site RPR.

**Purpose for Work Change Directive:**

Directive to proceed promptly with the Work described herein, prior to agreeing to changes on Contract Price and Contract Time, is issued due to:

- Non-agreement on pricing of proposed change.
- Necessity to proceed for schedule or other Project reasons.

**Estimated Change in Contract Price and Contract Times (non-binding, preliminary):**

Contract Price \$ TBD increase

Contract Time 0 days

**Basis of estimated change in Contract Price:**

- Lump Sum  Unit Price  
 Cost of the Work per Day  Other

**RECOMMENDED:**

**AUTHORIZED BY:**

**RECEIVED:**

By: 

By: 

By: 

Engineer (Authorized Signature)

Owner (Authorized Signature)

Contractor (Authorized Signature)

Title: Project Manager

Title: Cap. Program Mgr.

Title: VP

Date: 12/27/17

Date: 12-28-2017

Date: 12/28/17



**/// BUILDING PEOPLE WHO BUILD GREAT THINGS**

**Work Change Directive**  
 Project: City of Coeur d'Alene Tertiary Treatment Phase 2  
 Apollo Inc.

WCD No: 12 Rev1

Date: 08/08/18

Description	Labor	Mat	Equip.	Subcont. Total	Supp Total	Total
Misc. HVAC/Plumbing/Electrical Items at Chemical Systems Center	\$ 1,436.74	\$ -	\$ -	\$ 14,874.58	\$ 37.48	\$ 16,348.80

**SUBTOTAL COST > \$ 16,348.80**

Insurance Premium .5% - Changed Work > \$ 81.74

Bond Premium .75% - Changed Work > \$ 122.62

**TOTAL LUMP SUM COST > \$ 16,553.16**

Work Change Directive  
 Project: City of Coeur d'Alene Tertiary Treatment Phase 2  
 Apollo Inc.

WCD No: 12 Rev1  
 Item No: 1  
 Date: 8/8/18

Item Description: Misc. HVAC/Plumbing/Electrical Items at Chemical Systems Center

Description	Qty	U of M	Rate	Labor	Unit	Rate	Mat	Unit	Rate	Equip.	Subcont. Total	Total
<b>APOLLO - PROJECT SUPERVISION COSTS</b>												
Project Manager	2.0	HR	\$ 90.00	\$ 180.00								\$ 180.00
Project Superintendent	2.0	HR	\$ 79.56	\$ 159.12								\$ 159.12
Site Civil/Mech Superintendent	8.0	HR	\$ 68.08	\$ 544.64								\$ 544.64
<b>APOLLO - CRAFT LABOR COSTS</b>												
Pipefitter	6.0	HR	\$ 60.93	\$ 365.58								\$ 365.58
<b>APOLLO - MATERIAL COSTS</b>												
Apollo - Subtotal Direct Costs >				\$ 1,249.34			\$ -			\$ -		\$ 1,249.34
Markup on Self-Performed Labor, Mat'l's & Equipment >	15.0%			\$ 187.40			\$ -			\$ -		\$ 187.40
<b>SUBCONTRACTOR COSTS</b>												
Mackin & Little	1										\$ 776.87	\$ 776.87
Mountain States	1										\$ 8,163.30	\$ 8,163.30
Air Tech	1.0										\$ 5,226.10	\$ 5,226.10
Subtotal Subcontractors Costs >											\$ 14,166.27	\$ 14,166.27
Markup on Subcontractor Costs >	5.0%										\$ 708.31	\$ 708.31
<b>SUPPLEMENTAL COSTS</b>												
Special Consultants											\$ -	\$ -
Subsistence for Project Supervision					HR	\$ 11.25	\$ -					\$ -
Temporary Facilities at the Site					LS	\$ -	\$ -					\$ -
Small Tools	1.0				LS	\$ 37.48	\$ 37.48					\$ 37.48
Subtotal Supplementary Costs >						\$ 37.48	\$ 37.48				\$ -	\$ 37.48
Markup on Supplementary Costs >	0.0											

Contractor - Total Direct Costs w/Markup >	\$ 16,348.80
Insurance Premium .5% - Changed Work >	\$ 81.74
Bond Premium .75% - Changed Work >	\$ 122.62
<b>TOTAL LUMP SUM COST &gt;</b>	<b>\$ 16,553.16</b>

NC



### EXTRA WORK ORDER

CUSTOMER: City of Coeur d'Alene	EWO:
ADDRESS:	Job #: P 162
WORK ORDERED BY: HDR/City of CDA	JOB NAME: CDA Tertiary Treatment Ph. 2
	DATE: DAY:
Description of Work: Remove duct work at Chemical center to allow contract ppo installation.	
WCD #12 on 8.	

NAME	LABOR			EQUIPMENT USED	
	CLASS	HOURS		DESCRIPTION	HOURS
James Skultz	Fit	3			
Eli Lund	Fit	3			
				TOTAL EQUIPMENT	

CONTRACT MATERIALS				SUBCONTRACTOR	
DESCRIPTION	QUANTITY	PRICE			
				Artich	
				MSE	
				TOTAL SUBCONTRACTOR	

OFFICE USE ONLY: COST SUMMARY					
				LABOR	
				MATERIALS	
				EQUIPMENT	
				TRUCK RENTAL/SUBCONTRACTOR	\$ -
				SUB-TOTAL	\$ -
				OH&P - LABOR	\$ -
				OH&P - EQUIPMENT	\$ -
				OH&P - MATERIALS	\$ -
				OH&P - TRUCK RENTAL/SUBCONTRACTOR	\$ -
TOTAL OUTSIDE MATERIALS				TOTAL AMOUNT	\$ -

Submitted by Apollo Representative

Authorized By Project Representative



**FROM: AIR TECH MECHANICAL COMPANY**  
**TO: APPOLLO INC.**  
**RE: CITY OF COEUR D'ALENE**  
**ADVANCED WASTE WATER TREATMENT FACILITY**  
**TERTIARY TREATMENT PHASE 2**

---

**WCD 12-SUMMARY OF COSTS**

**Description: Replace exhaust Ductwork at Chemical Storage Building (North Side).**

**Provide 3 duct inlets with balance dampers and connect to existing exhaust fan inlet. Duct materials and fittings shall be aluminum with stainless steel anchors and support straps.**

---

Duct Fabrication Labor	13.3 hr. @ 73.91	\$ 983.00
Duct Installation Labor	38.5 hr. @ 73.91	\$ 2,845.53
Supervision & Layout Labor	1.0 hr. @ 73.91	\$ 73.91
Duct materials (Aluminum)		\$ 592.00
Fittings, hangers & accessories		\$ 50.00
ISST Tax Materials (6%x642.00)		\$ <u>102.72</u>
	Subtotal Costs	\$ 4,544.44
	OH & P (15% x \$4544.44)	\$ <u>681.66</u>
	<b>TOTAL WCD-12 Lump Sum Cost Increase</b>	<b>\$ 5,226.10</b>

Submitted To: Amy Jenne  
Submitted By: Douglas Long  
Date: 04/23/2018

**Mackin & Little JOB # 17-09**  
**Cost Estimate Detail Sheet**

To Furnish Flow Switch for the existing  
 Emergency Shower in the Chemical  
 Systems Center

Sheet 1 of 1	Change Proposal # 4	Reference Work Directive 012
Project CDA Tertiary Treatment Ph 2 Imprvmt.	06/26/18	
Contractor	By	George Renner

Item	Description	Quantity	Unit	Unit Costs		Material Costs	Labor Costs	Total
				Material	Labor			
1	HAWS 1 1/4" IN/OUT DBL POLE THROW FLOW SWITCH ( See attached Invoice # S100332389.001)	1	Each	\$681.82		\$681.82	\$0.00	\$681.82
2						\$0.00	\$0.00	\$0.00
3						\$0.00	\$0.00	\$0.00
4						\$0.00	\$0.00	\$0.00
5						\$0.00	\$0.00	\$0.00
6						\$0.00	\$0.00	\$0.00
7						\$0.00	\$0.00	\$0.00
8						\$0.00	\$0.00	\$0.00
9						\$0.00	\$0.00	\$0.00
<b>Sub-Contractor Costs</b>			<b>Costs</b>		<b>Subtotal</b>	\$681.82	\$0.00	<b>\$681.82</b>
1					8%	<b>Overhead :</b>		\$54.55
2						<b>Mackin &amp; Little Subtotal:</b>		\$736.37
3						<b>Subcontractor(s)</b>		\$0.00
			<b>Subtotal:</b>	\$0.00		<b>Subtotal:</b>		\$736.37
4%			<b>OH &amp; P:</b>	\$0.00	4%	<b>Profit</b>		\$29.45
					1.5%	<b>Bond &amp; Insurance:</b>		\$11.05
<b>Sub-Contractor Total:</b>			\$0.00	<b>MACKIN &amp; LITTLE GRAND TOTAL:</b>				<b>\$776.87</b>



Plumbing, Heating & Industrial Supply Company

P.O. Box 13250  
Spokane, WA 99213-3250

WWT



# Invoice

INVOICE DATE	INVOICE NUMBER
02/19/2018	S100332389.001
PAGE NO:	
1 of 2	

Please remit payment to above address

BILL TO:

SHIP TO:

MACKIN & LITTLE MECHANICAL, INC.  
2627 E TRENT AVE  
SPOKANE, WA 99202-3866

MACKIN & LITTLE MECHANICAL INC  
CITY OF CD'ADVANCED WWT FACILITY  
SHOP-2627 E TRENT  
SPOKANE, WA 99202

CUSTOMER NUMBER	CUSTOMER PO NUMBER	JOB NAME / RELEASE NUMBER	SALESPERSON	
11915	EYEWASH FLOW SWITCH		WASHINGTON TERRITORY 2	
WRITER	SHIP VIA	ORDERED BY	SHIP DATE	ORDER DATE
ERIC ANDERSON	OUR TRUCK	JAY HARPER	02/19/2018	02/07/2018
ORDER QTY	SHIP QTY	DESCRIPTION	UNIT PRICE	EXT PRICE
		--- FLOW SWITCH OPTIONS: FOR EMERGENCY EYEWASH UNITS - 222000 2.2-A.1.B - **Note: This item was not included as part of the package at bid time. (No Manufacturer or Model information was provided prior to bidding) Upon review, there are various sizes & configurations available to choose from. Please advise if 1 of the options below are what you are looking for**		
2ea	2ea	*HWP SP154DPDT HAWS 1-1/4" IN/OUT DBL POLE DBL THROW FLOW SWITCH	681.818/ea	1363.64
		Subtotal -----		1363.64
** REPRINT ** REPRINT ** REPRINT			Subtotal	
			S&H Charges	
			Tax	
			Payments	
			Amount Due	



**TIME and MATERIAL COST**

Request No: 10

To: APOLLO

Date Of Proposal: 8/6/2018

Job #: 17-010

Regarding: WCD-012

Job Name: CDA TERITARY TREATMENT PHASE 2

Attention: AMY JENNY / KEVIN BURKE

Work To Be Done:

RELOCATE EXISTING OUTLETS

PROVIDE 120V POWER FOR WATER HEATER AND WATER SOFTENER

ADD FLOW SWITCH TO EYEWASH STATION

ADD HEAT TRACE TO EYE WASH STATION

ADD MISC HEAT TRACE AS FIELD DIRECTED BY ELECTRICAL ENGINEER

<b><u>LABOR CLASSIFICATION</u></b>	<b><u>RATES</u></b>			<b><u>HOURS</u></b>			<b><u>EXTENDED</u></b>
	STRAIGHT	OVERTIME	DBL TIME	STRAIGHT	OVERTIME	DOUBLE TIME	
FOREMAN	\$ 70.99	\$ 95.14	\$ 119.29	22.00			\$ 1,561.78
JOURNEYMAN	\$ 66.50	\$ 88.47	\$ 110.40	32.00			\$ 2,128.00
APPRENTICE	\$ 41.14	\$ 64.50	\$ 90.55	8.00			\$ 329.12
PROJECT MANAGER	\$ 85.00						\$ -
<b>LABOR SUB TOTAL</b>							<b>\$ 4,018.90</b>

<b><u>EQUIPMENT</u></b>	<b><u>RATES</u></b>				<b><u>EXTENDED</u></b>
	HOUR	DAY	WEEK	MONTH	
COST + 15%					
<b>TOOL SUB TOTAL</b>					<b>\$ -</b>

<b><u>MATERIAL</u></b>	<b><u>EXTENDED</u></b>	
COST + 15%		
HEAT TRACE, BREAKERS, CONDUIT, WIRE, SUPPORTS	\$ 2,540.13	
<b>MATERIAL SUB TOTAL</b>		<b>\$ 2,921.15</b>

<b><u>SUB-CONTRACTOR</u></b>	<b><u>EXTENDED</u></b>	
COST + 5%		
CONTROL FREEK - FLOW SWITCH	\$ 1,165.00	
<b>SUB-CONTRACTOR SUB TOTAL</b>		<b>\$ 1,223.25</b>

**Total Proposed Change Order price: \$ 8,163.30**

Submitted By: DAVE PERRINS, Project Manager Date: 8/6/2018

Approved By: \_\_\_\_\_ Date: \_\_\_\_\_

Title \_\_\_\_\_

<b>Report selections:</b>	<b>Job:</b> 17010	<b>Superintendent:</b> ALL	<b>From transaction date:</b> Inception
	<b>Phase:</b> CO010	<b>Estimator:</b> ALL	<b>To transaction date:</b> 08/06/18
	<b>Employee:</b> ALL	<b>Project manager:</b> ALL	
	<b>Job status:</b> Active	<b>Division:</b> ALL	

**MOUNTAIN STATES ELECTRICAL  
Payroll Hours Analysis Report  
Phase Detail**

**Job: 17010 CDA TERTIARY TREATMENT**

Employee Code	Employee Name	Hours			Earnings			Burden Total
		Regular	Overtime	Total	Regular	Overtime	Total	
CO-010	WCD-012							
BLOSCO	SCOTT D BLOOM	13.00		13.00				
EHDWAH	EHDOH WAH	10.00		10.00				
MCCPET	PETE MCCLURE	22.00		22.00				
SMITRA	TRAVIS W SMITH	6.00		6.00				
VINBRI	BRICE W VINEYARD	9.00		9.00				
WEBBRE	BRETT M WEBER	2.00		2.00				
<b>Total for phase: CO-010</b>		<b>62.00</b>	<b>0.00</b>	<b>62.00</b>				
<b>Total for job: 17010</b>		<b>62.00</b>	<b>0.00</b>	<b>62.00</b>				
<b>Report totals:</b>		<b>62.00</b>	<b>0.00</b>	<b>62.00</b>				
		<b>62.00</b>	<b>0.00</b>	<b>62.00</b>				



June 19, 2018

CDA TERTIARY TREATMENT PHASE 2

JOB NUMBER : 17-010

**WCD-012**

QTY	ITEM DESCRIPTION	UNIT PRICE	EXTENDED PRICE
1	QT PVC GLUE	\$ 7.67	\$ 7.67
3	SWITCH BOX - FD-75	\$ 25.90	\$ 77.70
20	3/4" PVC COUPLING	\$ 0.14	\$ 2.80
1500	#12 THHN WIRE	\$ 0.15	\$ 217.50
10	3/4" GRC CONDUIT	\$ 1.50	\$ 15.00
100	3/4" PVC SCHEDULE 80 CONDUIT	\$ 0.57	\$ 57.00
3	20 AMP SQUARE D BREAKER	\$ 7.50	\$ 22.50
3	1 GANG PVC BOX	\$ 6.38	\$ 19.14
3	20 AMP MOTOR RATED SWITCH	\$ 2.96	\$ 8.88
3	NEMA 4X LOCKABLE COVER	\$ 40.57	\$ 121.71
1	IN-USE RECEPTACLE COVER	\$ 11.00	\$ 11.00
30	WIRE LABELS	\$ 1.00	\$ 30.00
21	3/4" LIQUID TIGHT FLEX	\$ 1.23	\$ 25.83
7	3/4" LT FLEX STRAIGHT CONNECTOR	\$ 2.73	\$ 19.11
7	3/4" LT FLEX 90 CONNECTOR	\$ 4.58	\$ 32.06
2	SQUARE D GEPD BREAKERS	\$ 304.26	\$ 608.52
1	HEAT TRACE END SEAL KIT	\$ 168.06	\$ 168.06
2	HEAT TRACE POWER CONNECTION KIT	\$ 125.89	\$ 251.78
1	HEAT TRACE CONNECTION BOX	\$ 182.11	\$ 182.11
1	HEAT TRACE T-STAT	\$ 341.00	\$ 341.00
4	HEAT TRACE PIPE ADAPTERS	\$ 6.84	\$ 27.36
30	5 WATT PER FOOT HEAT TRACE	\$ 9.78	\$ 293.40
			\$ -
	<b>TOTAL</b>		<b>\$ 2,540.13</b>



INSTRUMENTATION AND INDUSTRIAL CONTROL PANELS  
P.O. Box 142192  
SPOKANE VALLEY, WA 99214

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## CdA WWTP Tertiary Treatment Phase 2 Project

ATTN: Dave Perrins  
Mountain States Electric  
Phone: 509-532-0110  
Fax: 509-532-0113

### **This bid includes the following scope of work, per WCD-012:**

- Provide (1) FCI Flow Switch for Eyewash Station, testing and setup

### **Not included:**

- Installation of provided equipment not mentioned above

### **NO Sales Tax Included**

**Terms:** NET 30 days from invoice date

**Lead Time:** 4 weeks after approved submittals, Subject to parts availability

**Warranty Period:** 1 Year from Delivery for Parts and Labor

**Service Charge:** If Buyer fails to make any payment when due, ControlFreek Inc reserves the right to suspend performance and Buyer agrees to pay a service charge on the amount past due at the rate of **1.5% per month** (18% per year).

**Non-Payment:** Buyer further agrees that, in the event ControlFreek Inc must refer Buyer's account for collection, Buyer will pay all costs of collection, service charges, attorney fees or other costs incurred by ControlFreek Inc in the course of collection, litigation or in any related action.

**Quote Valid for 60 Days from Bid Date.**

**Project Total Price \$1,165.00**

Thank you for this opportunity,

Adam Snyder  
Project Manager/Owner  
ControlFreek Inc.  
509-290-6500  
Fax: 866-381-3007



WCD 013

TMF SPRAY WATER



March 29, 2018

Apollo, Inc.  
1133 West Columbia Drive  
Kennewick, WA 99336

Attn: Amy Jenne

Re: Coeur d'Alene Tertiary Treatment Phase 2 project  
WCD 013 – Extend Spray Water Piping & Add Spray Nozzles at TMF  
Engineer's Decision

Amy,

We have reviewed your cost proposal for WCD 013 – Extend Spray Water Piping & Add Spray Nozzles at TMF. We have found your submitted cost proposal to be acceptable.

A total cost of \$2,441.59 and a total of 0 calendar days will be included in the forthcoming final Change Order.

Sincerely,  
HDR Engineering, Inc.

A handwritten signature in blue ink, appearing to read 'Todd Jensen'.

Todd Jensen, PE, CCM  
*Construction Manager*

cc: Jim Remitz – City of Coeur d'Alene Wastewater Department  
Rickey Schultz – HDR  
Lizzy English – HDR  
Mike Soucie – HDR  
Mary Scalise – HDR

Date of Issuance: 12/21/2017 Effective Date: 12/21/2017  
 Owner: City of Coeur d'Alene, ID Owner's Contract No.:  
 Contractor: Apollo Contractor's Project No.:  
 Engineer: HDR Engineer's Project No.: 10026247  
 Project: CDA Tertiary Phase 2 Improvements Contract Name:

**Contractor is directed to proceed promptly with the following change(s):**Description:

- Contractor shall extend spray water piping as shown on attached sheet. Utilize pipe supports matching adjacent spray water pipe supports.
- Contractor shall add spray nozzle to northernmost end of spray water piping. See attached sheet. See also Specification Section 22 20 00 - 2.2.P and standard detail 22 20 00-10.

Contractor shall confirm work activities daily with on-site RPR.

**Purpose for Work Change Directive:**

Directive to proceed promptly with the Work described herein, prior to agreeing to changes on Contract Price and Contract Time, is issued due to:

- Non-agreement on pricing of proposed change.  
 Necessity to proceed for schedule or other Project reasons.

**Estimated Change in Contract Price and Contract Times (non-binding, preliminary):**


Contract Price \$ TBD increase  
 Contract Time 0 days

**Basis of estimated change in Contract Price:**

- Lump Sum  Unit Price  
 Cost of the Work per Day  Other

**RECOMMENDED:****AUTHORIZED BY:****RECEIVED:**

By:   
 Engineer (Authorized Signature)

By:   
 Owner (Authorized Signature)

By:   
 Contractor (Authorized Signature)

Title: Project Manager

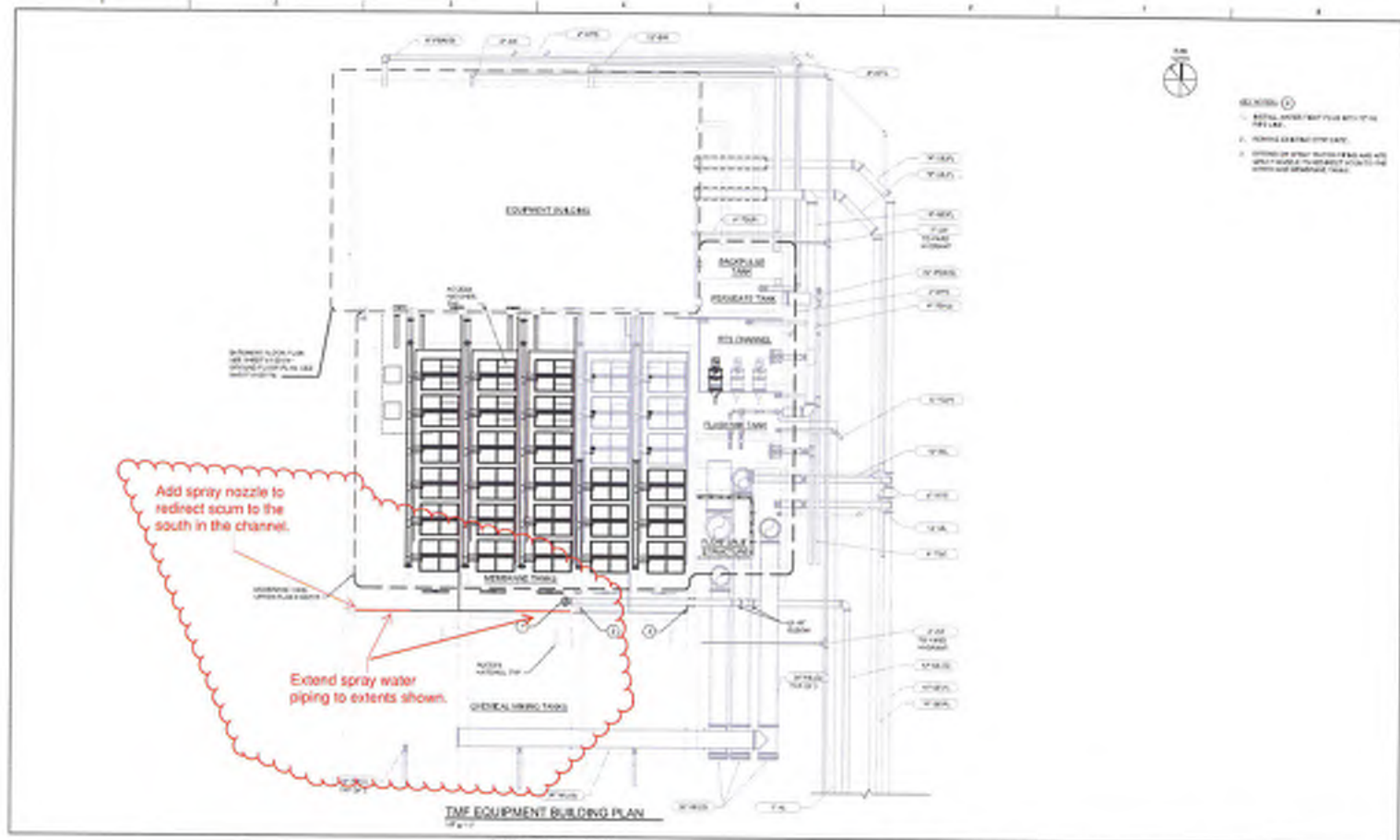
Title: Cap. Program MGR.

Title:

Date: 12/21/17

Date: 12-26-2017

Date:



NO.	DESCRIPTION	DATE	BY	CHECKED
1	ISSUED FOR PERMITS	10/15/14	...	...
2	...	...	...	...
3	...	...	...	...
4	...	...	...	...
5	...	...	...	...
6	...	...	...	...
7	...	...	...	...
8	...	...	...	...
9	...	...	...	...
10	...	...	...	...

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City of Cedar Rapids  
Advanced Wastewater Treatment  
Facility  
Sorbent Treatment Phase 2

TWF FACILITY  
PROCESS  
OVERALL PLAN

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

6100181



**/// BUILDING PEOPLE WHO BUILD GREAT THINGS**

**Work Change Directive**  
 Project: City of Coeur d'Alene Tertiary Treatment Phase 2  
 Apollo Inc.

WCD No: 13

Date: 02/16/18

Description	Labor	Mat	Equip.	Subcont. Total	Supp Total	Total
Extend spray piping & add nozzles	\$ 389.99	\$ 1,192.90	\$ -	\$ 818.39	\$ 10.17	\$ 2,411.45
<b>SUBTOTAL COST &gt;</b>						<b>\$ 2,411.45</b>
Insurance Premium .5% - Changed Work >						\$ 12.06
Bond Premium .75% - Changed Work >						\$ 18.09
<b>TOTAL LUMP SUM COST &gt;</b>						<b>\$ 2,441.59</b>

Work Change Directive  
 Project: City of Coeur d'Alene Tertiary Treatment Phase 2  
 Apollo Inc.

WCD No: 13  
 Item No: 1  
 Date: 2/16/18

Item Description: Extend spray water piping & add spray nozzles at TMF

Description	Qty	U of M	Rate	Labor	Unit	Rate	Mat	Unit	Rate	Equip.	Subcont. Total	Total
<b>APOLLO - PROJECT SUPERVISION COSTS</b>												
Project Manager	2.0	HR	\$ 90.00	\$ 180.00								\$ 180.00
Project Superintendent	2.0	HR	\$ 79.56	\$ 159.12								\$ 159.12
Site Civil Superintendent	0.0	HR	\$ 68.08	\$ -								\$ -
<b>APOLLO - OPERATED EQUIPMENT</b>												
<b>APOLLO - MATERIAL COSTS</b>												
HD Fowler	1.0				LS	\$ 16.15	\$ 1,037.30					\$ 1,037.30
							\$ -					\$ -
Apollo - Subtotal Direct Costs >				\$ 339.12			\$ 1,037.30			\$ -		\$ 1,376.42
Markup on Self-Performed Labor, Mat'ls & Equipment >	15.0%			\$ 50.87			\$ 155.60			\$ -		\$ 206.46
<b>SUBCONTRACTOR COSTS</b>												
Mackin & Little											\$ 779.42	\$ 779.42
											\$ -	\$ -
Subtotal Subcontractors Costs >											\$ 779.42	\$ 779.42
Markup on Subcontractor Costs >	5.0%										\$ 38.97	\$ 38.97
<b>SUPPLEMENTAL COSTS</b>												
Special Consultants											\$ -	\$ -
Subsistence for Project Supervision					HR	\$ 11.25	\$ -					\$ -
Temporary Facilities at the Site					LS		\$ -					\$ -
Small Tools	1.0				LS	\$ 10.17	\$ 10.17					\$ 10.17
Subtotal Supplementary Costs >							\$ 10.17				\$ -	\$ 10.17
Markup on Supplementary Costs >	0.0											

Contractor - Total Direct Costs w/Markup >	\$ 2,411.45
Insurance Premium .5% - Changed Work >	\$ 12.06
Bond Premium .75% - Changed Work >	\$ 18.09
<b>TOTAL LUMP SUM COST &gt;</b>	<b>\$ 2,441.59</b>

# Mackin & Little JOB # 17-09

## Cost Estimate Detail Sheet

Sheet 1 of 1	Change Proposal #	3	Reference	Directed by Apollo
Project	CDA Tertiary Treatment Ph 2 Imprvmt.			02/16/18
Contractor	By			George Renner

**TIME & MATERIAL TO EXTEND**  
**TMF SPRAY BAR**

Item	Description	Quantity	Unit	Unit Costs		Material Costs	Labor Costs	Total
				Material	Labor			
<b>MATERIALS</b>								
1	1 1/2" Sch 80 PVC PIPE	40	L F	\$1.12		\$44.80	\$0.00	\$44.80
2	1 1/2" X 1 1/2" X 3/4" Sch 80 PVC TEES	4	Each	\$6.21		\$24.84	\$0.00	\$24.84
3	3/4" Sch 80 PVC BUSHINGS	4	Each	\$0.54		\$2.16	\$0.00	\$2.16
4	1/2" SOCKET X THREAD SCH 80 PVC 90	4	Each	\$3.60		\$14.40	\$0.00	\$14.40
5	1/2" Re-inforced Sch 80 Threaded 90	4	Each	\$2.12		\$8.48	\$0.00	\$8.48
6	1 1/2" TRU-UNION PVC BALL VALVE	1	Each	\$39.86		\$39.86	\$0.00	\$39.86
7	1/2" X Short Sch 80 PVC NIPPLES	4	Each	\$0.47		\$1.88	\$0.00	\$1.88
8	1 1/2" Sch 80 PVC CAPS	2	Each	\$3.66		\$7.32	\$0.00	\$7.32
9	Spray Nozzles ( By Apollo )	2	Each			\$0.00	\$0.00	\$0.00
<b>LABOR</b>								
11	Jesse Gray	8	M H		\$67.54	\$0.00	\$540.32	\$540.32
12						\$0.00	\$0.00	\$0.00
13						\$0.00	\$0.00	\$0.00
14						\$0.00	\$0.00	\$0.00
15						\$0.00	\$0.00	\$0.00
16						\$0.00	\$0.00	\$0.00
17						\$0.00	\$0.00	\$0.00
18						\$0.00	\$0.00	\$0.00
19						\$0.00	\$0.00	\$0.00
20						\$0.00	\$0.00	\$0.00
<b>Sub-Contractor Costs</b>			<b>Costs</b>		<b>Subtotal</b>	\$143.74	\$540.32	\$684.06
1					8%	<b>Overhead :</b>		\$54.72
2						<b>Mackin &amp; Little Subtotal:</b>		\$738.78
3						<b>Subcontractor(s)</b>		\$0.00
				<b>Subtotal:</b>			<b>Subtotal:</b>	\$738.78
4%				<b>OH &amp; P:</b>	\$0.00			\$29.55
					1.5%	<b>Bond &amp; Insurance:</b>		\$11.08
<b>Sub-Contractor Total:</b>				\$0.00	<b>MACKIN &amp; LITTLE GRAND TOTAL:</b>			\$779.42





PO Box 160 \* Bellevue, WA \* 98009-0160



To: TONY DELAPENA  
 tdelapena@apollo-gc.com  
 APOLLO INC  
 12/21/17 03:23:30pm

From: MICHAEL MAHAN  
 Phone: (509) 545-0255 x2330

## Order Acknowledgement

This order requires confirmed receipt of this acknowledgement because it contains special order items which are indicated by two asterisks (\*\*). Please approve this order by simply replying to this email message, or by printing the attachment, signing and returning it back to us.

Non-Stocks, Special Orders or Engineered items may not be returnable. Those that are returnable are subject to a minimum 25% restock fee. Some orders may also have applicable freight charges not shown on this Order Acknowledgement.

I accept this as written. Please get this order for me as listed below.

\_\_\_\_\_  
 Signature    Date    Print Name

<b>Your PO:</b> P162/NOZZLES	<b>Project:</b> P162 TERTIARY TREATMENT PHASE 2
<b>Ordered By:</b> AMY JENNE	<b>Order Date:</b> 12/21/17
<b>Est. Ship Date:</b> 01/10/18	<b>Order #:</b> O5786955
<b>Shipping From:</b> Pasco Warehouse	<b>Ship VIA:</b> VENDOR'S CHOICE
	<b>Freight Terms:</b> FULL FRT ALLOWED, Estimated freight charge, 0.00 <small>This is an estimate based on single shipment.</small>

Line#	Item	Unit	Qty	Price	Ext. Price	Tax
1	** 1/2" MIP X FIP 316 S/S SWIVEL JOINT FOR SPRAY NOZZLE, AIS	EA	5	126.91	634.55	T
2	** 1/2" MIP THREADED END FAN SPRAY NOZZLE, 316 S/S, MEETS AIS	EA	5	80.55	402.75	T

Total	1,037.30
Freight	0.00
Tax	0.00
<b>Grand Total</b>	<b>1,037.30</b>



## EXTRA WORK ORDER

C

CUSTOMER: City of Coeur d'Alene	EWO:
ADDRESS:	Job #: P 162
WORK ORDERED BY: HDR / City of CDA	JOB NAME: CDA Tertiary Treatment Ph. 2
	DATE: 1/9/18 DAY:
Description of Work: WCD #13, Modify spray bar system at TMF membrane feed channel.	

NAME	LABOR			DESCRIPTION	HOURS
	CLASS	ST	OT		
Jesse Gray	Plumb	8			
TOTAL EQUIPMENT					

CONTRACT MATERIALS				SUBCONTRACTOR	
DESCRIPTION	QUANTITY	PRICE			
HP Fowler				Muckin & Little	
TOTAL SUBCONTRACTOR					

OFFICE USE ONLY: COST SUMMARY					
				LABOR	
				MATERIALS	
				EQUIPMENT	
				TRUCK RENTAL/SUBCONTRACTOR	\$ -
				<b>SUB-TOTAL</b>	\$ -
				OH&P - LABOR	\$ -
				OH&P - EQUIPMENT	\$ -
				OH&P - MATERIALS	\$ -
				OH&P - TRUCK RENTAL/SUBCONTRACTOR	\$ -
TOTAL OUTSIDE MATERIALS					
TOTAL AMOUNT					\$ -

*Memo Clark*  
Submitted by Apollo Representative

*Mike Sommic*  
Authorized By Project Representative

WCD 014

SLIDE GATE COATING IN MEMBRANE TANKS



April 20, 2018

Apollo, Inc.  
1133 West Columbia Drive  
Kennewick, WA 99336

Attn: Amy Jenne

Re: Coeur d'Alene Tertiary Treatment Phase 2 project  
WCD 014 – Coating Work at TMF Tank Slide Gates  
Engineer's Decision

Amy,

We have reviewed your cost proposal for WCD 014 – Coating Work at TMF Tank Slide Gates. We have found your submitted cost proposal to be acceptable.

A total cost of \$8,923.41 and a total of 0 calendar days will be included in the forthcoming final Change Order.

Sincerely,  
HDR Engineering, Inc.

A handwritten signature in blue ink, appearing to read 'Todd Jensen'.

Todd Jensen, PE, CCM  
*Construction Manager*

cc: Jim Remitz – City of Coeur d'Alene Wastewater Department  
Rickey Schultz – HDR  
Lizzy English – HDR  
Mike Soucie – HDR  
Mary Scalise – HDR



Date of Issuance: 01/05/2018 Effective Date: 01/05/2018  
 Owner: City of Coeur d'Alene, ID Owner's Contract No.:  
 Contractor: Apollo Contractor's Project No.:  
 Engineer: HDR Engineer's Project No.: 10026247  
 Project: CDA Tertiary Phase 2 Improvements Contract Name:

**Contractor is directed to proceed promptly with the following change(s):**Description:

Contractor shall proceed with the following coating work around the slide gates in Membrane Tanks ~~1-6~~ 2-6. *As of 2/27/18*

1. Provide a 1/4" "V" groove adjacent to the membrane gates to allow for a coating termination point and installation of a 3/8" bead of caulking adjoining the coating and the metal framing on the gates. Clean out or grind if necessary the "V" groove to create a consistent "V" groove free of grout, coating or metal to create a termination area for the coating to be placed around the slide gate.
2. Terminate coating into "V" groove, however, keep enough "V" groove available to place caulking as well. Caulking shall be the same submitted and approved chemical resistive poly sulfide product as approved for the repair of the two chemical containment basins in the TMF.

Contractor shall confirm work activities daily with on-site RPR.

**Purpose for Work Change Directive:**

Directive to proceed promptly with the Work described herein, prior to agreeing to changes on Contract Price and Contract Time, is issued due to:

- Non-agreement on pricing of proposed change.  
 Necessity to proceed for schedule or other Project reasons.

**Estimated Change in Contract Price and Contract Times (non-binding, preliminary):**

Contract Price \$ TBD increase  
 Contract Time 0 days

**Basis of estimated change in Contract Price:**

- Lump Sum  Unit Price  
 Cost of the Work per Day  Other

**RECOMMENDED:****AUTHORIZED BY:****RECEIVED:**

By:   
 Engineer (Authorized Signature)

By:   
 Owner (Authorized Signature)

By:   
 Contractor (Authorized Signature)

Title: Project Manager

Title: *Cap Program Mgr*

Title: *VP*

Date: 01/05/18

Date: *1-7-2018*

Date: *2/27/18*



**/// BUILDING PEOPLE WHO BUILD GREAT THINGS**

**Work Change Directive**  
 Project: City of Coeur d'Alene Tertiary Treatment Phase 2  
 Apollo Inc.

WCD No: 14 Rev 1

Date: 04/17/18

Description	Labor	Mat	Equip.	Subcont. Total	Supp Total	Total
Coating work at TMF tank slide gates	\$ 389.99	\$ -	\$ -	\$ 8,423.26	\$ -	\$ 8,813.25
<b>SUBTOTAL COST &gt;</b>						<b>\$ 8,813.25</b>
Insurance Premium .5% - Changed Work >						\$ 44.07
Bond Premium .75% - Changed Work >						\$ 66.10
<b>TOTAL LUMP SUM COST &gt;</b>						<b>\$ 8,923.41</b>

Work Change Directive  
 Project: City of Coeur d'Alene Tertiary Treatment Phase 2  
 Apollo Inc.

WCD No: 14 Rev 1  
 Item No: 1  
 Date: 4/17/18

Item Description: Coating work around the slide gates in Membrane Tanks 1-6

Description	Qty	U of M	Rate	Labor	Unit	Rate	Mat	Unit	Rate	Equip.	Subcont. Total	Total
<b>APOLLO - PROJECT SUPERVISION COSTS</b>												
Project Manager	2.0	HR	\$ 90.00	\$ 180.00								\$ 180.00
Project Superintendent	2.0	HR	\$ 79.56	\$ 159.12								\$ 159.12
Site Civil Superintendent	0.0	HR	\$ 68.08	\$ -								\$ -
Apollo - Subtotal Direct Costs >				\$ 339.12			\$ -			\$ -		\$ 339.12
Markup on Self-Performed Labor, Mat'ls & Equipment >	15.0%			\$ 50.87			\$ -			\$ -		\$ 50.87
<b>SUBCONTRACTOR COSTS</b>												
Extreme Coatings	1										\$ 8,022.15	\$ 8,022.15
											\$ -	\$ -
Subtotal Subcontractors Costs >											\$ 8,022.15	\$ 8,022.15
Markup on Subcontractor Costs >	5.0%										\$ 401.11	\$ 401.11
<b>SUPPLEMENTAL COSTS</b>												
Special Consultants											\$ -	\$ -
Subsistence for Project Supervision					HR	\$ 11.25	\$ -					\$ -
Temporary Facilities at the Site					LS		\$ -					\$ -
Small Tools	0.0				LS	\$ -	\$ -					\$ -
Subtotal Supplementary Costs >							\$ -				\$ -	\$ -
Markup on Supplementary Costs >	0.0											

**Contractor - Total Direct Costs w/Markup > \$ 8,813.25**

Insurance Premium .5% - Changed Work > \$ 44.07

Bond Premium .75% - Changed Work > \$ 66.10

**TOTAL LUMP SUM COST > \$ 8,923.41**



### T&M WCD 014

<b>Classification</b>	<b>Rate</b>	<b>Hrs</b>	<b>Total</b>
Administration	\$ 75.00	2.66	\$ 199.50
Supervisor Jesse	\$ 47.30	25.5	\$ 1,206.13
Painter	\$ 39.24	25.5	\$ 1,000.62
Per Diem	\$ 100.00	6.375	\$ 637.50
Travel	\$ 35.00	14	\$ 490.00
			<b>Subtotal \$ 3,533.75</b>

<b>Equipment</b>	<b>Rate</b>	<b># of Days</b>	<b>Total</b>
Dodge Truck	96.9	3	\$ 290.70
Fuel	3.25	32	\$ 104.00
Dewalt Grinder & Blade	5	1	\$ 5.00
Vacuum	10	1	\$ 10.00
Small Tools	10	1	\$ 10.00
			<b>Subtotal \$ 419.70</b>

<b>Materials</b>	<b>Rate</b>	<b>QTY</b>	<b>Total</b>
80 grit Sandpaper	16.98	2	\$ 33.96
MEK 5 gal	14.8	3	\$ 44.40
Tnemec 282 4 gal	459.32	1	\$ 459.32
Thicksters box	18.99	1	\$ 18.99
rags brick	51.98	1	\$ 51.98
Pealseal 2690 Caulking	12.33	119	\$ 1,467.27
Painters Tape	3.26	1	\$ 3.26
Thikol	895.59	1	\$ 895.59
Concrete Cutting Wheel 4"	17.36	1	\$ 17.36
			<b>Subtotal \$ 2,992.13</b>

<b>Totals</b>		<b>\$ 6,945.58</b>
Overhead	10%	\$ 694.56
subtotal		\$ 7,640.14
Profit	5%	\$ 382.01
<b>Grand Total</b>		<b>\$ 8,022.15</b>

Labor Rates - Extreme Coatings

	HOURLY RATE	Soc. Sec. 6.2%	MEDICARE 1.45%	L&I PAINTER \$4.5421	FUTA .60%	SUTA 3.21%	sub total	Medical \$3.03	PTO/h our	Per Diem	Travel	401k	fringe total	regular time	over time
<b>Painter1</b>	<b>\$23.50</b>	<b>1.457</b>	<b>0.34075</b>	<b>4.5421</b>	<b>0.141</b>	<b>0.3572</b>	<b>\$30.34</b>	<b>4.032</b>	<b>1.05</b>	<b>0</b>	<b>0 \$</b>	<b>3.82</b>	<b>8.902</b>	<b>\$39.24</b>	<b>\$54.64</b>
Painter2	\$25.00	1.55	0.3625	4.5421	0.15	0.38	\$31.98	4.032	1.05	0	0 \$	1.00	6.082	\$38.07	\$54.29
Painter3	\$28.00	1.736	0.406	4.5421	0.168	0.4256	\$35.28	4.032	1.05	0	0 \$	1.00	6.082	\$41.36	\$59.23
Painter4	\$30.00	1.86	0.435	4.5421	0.18	0.456	\$37.47	4.032	1.05	0	0 \$	1.00	6.082	\$43.56	\$62.52
<b>Super1</b>	<b>\$32.50</b>	<b>2.015</b>	<b>0.47125</b>	<b>5.5421</b>	<b>0.195</b>	<b>0.494</b>	<b>\$41.22</b>	<b>4.032</b>	<b>1.05</b>	<b>0</b>	<b>0 \$</b>	<b>1.00</b>	<b>6.082</b>	<b>\$47.30</b>	<b>\$67.64</b>
Super2	\$57.69	3.57678	0.836505	4.5421	0.34614	0.876888	\$67.87	4.032	3.33	0	0 \$	1.00	8.362	\$76.23	\$110.39

WCD 015

RTS CHANNEL GRATING AND ELECTRICAL



July 24, 2018

Apollo, Inc.  
1133 West Columbia Drive  
Kennewick, WA 99336

Attn: Amy Jenne

Re: Coeur d'Alene Tertiary Treatment Phase 2 project  
WCD 015 – RTS Basin Modifications  
Engineer's Decision

Amy,

We have reviewed your cost proposal for WCD 015 – RTS Basin Modifications. We have found your submitted cost proposal to be acceptable.

A total cost of \$2,008.96 and a total of 0 calendar days will be included in the forthcoming final Change Order.

Sincerely,  
HDR Engineering, Inc.

A handwritten signature in blue ink, appearing to read 'Todd Jensen'.

Todd Jensen, PE, CCM  
*Construction Manager*

cc: Jim Remitz – City of Coeur d'Alene Wastewater Department  
Rickey Schultz – HDR  
Mike Soucie – HDR  
Mary Scalise – HDR

Date of Issuance: 01/26/2018 Effective Date: 01/26/2018  
 Owner: City of Coeur d'Alene, ID Owner's Contract No.:  
 Contractor: Apollo Contractor's Project No.:  
 Engineer: HDR Engineer's Project No.: 10026247  
 Project: CDA Tertiary Phase 2 Improvements Contract Name:

**Contractor is directed to proceed promptly with the following change(s):**Description:

1. Move the supporting I beam for the decking over the RTS basin to accommodate the use of the guide rail to install/remove the new RTS propeller pump.
2. Move conduit as well as shim and remount the chemical sensing equipment for access to be serviced.

Contractor shall confirm work activities daily with on-site RPR.

**Purpose for Work Change Directive:**

Directive to proceed promptly with the Work described herein, prior to agreeing to changes on Contract Price and Contract Time, is issued due to:

- Non-agreement on pricing of proposed change.  
 Necessity to proceed for schedule or other Project reasons.

**Estimated Change in Contract Price and Contract Times (non-binding, preliminary):**

Contract Price \$ TBD increase  
 Contract Time 0 days

**Basis of estimated change in Contract Price:**

- Lump Sum  Unit Price  
 Cost of the Work per Day  Other

**RECOMMENDED:****AUTHORIZED BY:****RECEIVED:**

By: 

By: 

By: 

Engineer (Authorized Signature)

Owner (Authorized Signature)

Contractor (Authorized Signature)

Title: Project Manager

Title: Cap. Program Mgr.

Title: VP

Date: 01/26/18

Date: 1-26-2018

Date: 1/28/18



**/// BUILDING PEOPLE WHO BUILD GREAT THINGS**

**Work Change Directive**  
**Project: City of Coeur d'Alene Tertiary Treatment Phase 2**  
**Apollo Inc.**

**WCD No:** 15

**Date:** 06/26/18

Description	Labor	Mat	Equip.	Subcont. Total	Supp Total	Total
RTS Basin Modifications	\$ 1,385.20	\$ 138.00	\$ 81.77	\$ 343.06	\$ 36.14	\$ 1,984.15
<b>SUBTOTAL COST &gt;</b>						<b>\$ 1,984.15</b>
Insurance Premium .5% - Changed Work >						\$ 9.92
Bond Premium .75% - Changed Work >						\$ 14.88
<b>TOTAL LUMP SUM COST &gt;</b>						<b>\$ 2,008.96</b>

Work Change Directive  
 Project: City of Coeur d'Alene Tertiary Treatment Phase 2  
 Apollo Inc.

WCD No: 15  
 Item No: 1  
 Date: 6/26/18

Item Description: RTS Basin Modifications

Description	Qty	U of M	Rate	Labor	Unit	Rate	Mat	Unit	Rate	Equip.	Subcont. Total	Total
<b>APOLLO - PROJECT SUPERVISION COSTS</b>												
Project Manager	2.0	HR	\$ 90.00	\$ 180.00								\$ 180.00
Project Superintendent	5.0	HR	\$ 79.56	\$ 397.80								\$ 397.80
Site Civil Superintendent	5.0	HR	\$ 68.08	\$ 340.40								\$ 340.40
<b>APOLLO - CRAFT LABOR COSTS</b>												
<b>Carpenters</b>												
Foreman	5.0	HR	\$ 43.52	\$ 217.60								\$ 217.60
Carpenter	0.0	HR	\$ 38.37	\$ -								\$ -
<b>Laborers</b>												
General	2.0	HR	\$ 34.36	\$ 68.72								\$ 68.72
<b>APOLLO - OPERATED EQUIPMENT</b>												
<b>Crane - Manitowoc 222</b>												
+ Operator	0.0	HR	\$ 47.41	\$ -								\$ -
+ Operating Costs	1.0							HRLY	\$ 71.10	\$ 71.10		\$ 71.10
<b>APOLLO - MATERIAL COSTS</b>												
1/2" SS Wedge Anchors	8.0				LS	\$ 15.00	\$ 120.00					\$ 120.00
							\$ -					\$ -
							\$ -					\$ -
Apollo - Subtotal Direct Costs >				\$ 1,204.52			\$ 120.00			\$ 71.10		\$ 1,395.62
Markup on Self-Performed Labor, Mat'ls & Equipment >	15.0%			\$ 180.68			\$ 18.00			\$ 10.67		\$ 209.34
<b>SUBCONTRACTOR COSTS</b>												
Mountain States Electrical	1										\$ 326.72	\$ 326.72
											\$ -	\$ -
Subtotal Subcontractors Costs >											\$ 326.72	\$ 326.72
Markup on Subcontractor Costs >	5.0%										\$ 16.34	\$ 16.34
<b>SUPPLEMENTAL COSTS</b>												
Special Consultants											\$ -	\$ -
Subsistence for Project Supervision					HR	\$ 11.25	\$ -					\$ -
Temporary Facilities at the Site					LS		\$ -					\$ -
Small Tools	1.0				LS	\$ 36.14	\$ 36.14					\$ 36.14
Subtotal Supplementary Costs >							\$ 36.14				\$ -	\$ 36.14
Markup on Supplementary Costs >	0.0											

<b>Contractor - Total Direct Costs w/Markup &gt;</b>	<b>\$ 1,984.15</b>
Insurance Premium .5% - Changed Work >	\$ 9.92
Bond Premium .75% - Changed Work >	\$ 14.88
<b>TOTAL LUMP SUM COST &gt;</b>	<b>\$ 2,008.96</b>





**TIME and MATERIAL COST**

Request No: 14

To: APOLLO

Date Of Proposal: 2/2/2018

Job #: 17-010

Regarding: WCD-015

Job Name: CDA TERITARY TREATMENT PHASE 2

Attention: AMY JENNY / KEVIN BURKE

Work To Be Done:

PER WCD-015

REWORK EXISTING CONDUIT AS DIRECTED

**LABOR CLASSIFICATION**

	<u>RATES</u>			<u>HOURS</u>			<u>EXTENDED</u>
	STRAIGHT	OVERTIME	DBL TIME	STRAIGHT	OVERTIME	DOUBLE TIME	
FOREMAN	\$ 70.99	\$ 95.14	\$ 119.29	3.00			\$ 212.97
JOURNEYMAN	\$ 66.50	\$ 88.47	\$ 110.40				\$ -
APPRENTICE	\$ 41.14	\$ 64.50	\$ 90.55				\$ -
PROJECT MANAGER	\$ 85.00			1.00			\$ 85.00

LABOR SUB TOTAL \$ **297.97**

**EQUIPMENT**

COST + 15%	<u>RATES</u>				QUANTITY	<u>EXTENDED</u>
	HOUR	DAY	WEEK	MONTH		

TOOL SUB TOTAL \$ -

**MATERIAL**

COST + 15%	<u>EXTENDED</u>
CONDULET	\$ 25.00

MATERIAL SUB TOTAL \$ **28.75**

**SUB-CONTRACTOR**

COST + 15%	<u>EXTENDED</u>

SUB-CONTRACTOR SUB TOTAL \$ -

**Total Proposed Change Order price: \$ 326.72**

Submitted By: DAVE PERRINS, Project Manager Date: \_\_\_\_\_

Approved By: \_\_\_\_\_ Date: \_\_\_\_\_

Title \_\_\_\_\_

WCD 016

RETAINER RING ON DUCK BILL FLAPPER VALVE



March 5, 2018

Apollo, Inc.  
1133 West Columbia Drive  
Kennewick, WA 99336

Attn: Amy Jenne

Re: Coeur d'Alene Tertiary Treatment Phase 2 project  
WCD 016 – Retainer Ring on Duck Bill Flapper Valve  
Engineer's Decision

Amy,

We have reviewed your cost proposal for WCD 016 Retainer Ring on Duck Bill Flapper Valve. We have found your submitted cost proposal to be acceptable.

A total cost of \$2,327.09 and a total of 0 calendar days will be included in the forthcoming final Change Order.

Sincerely,  
HDR Engineering, Inc.

A handwritten signature in blue ink, appearing to read 'Todd Jensen'.

Todd Jensen, PE, CCM  
*Construction Manager*

cc: Jim Remitz – City of Coeur d'Alene Wastewater Department  
Rickey Schultz – HDR  
Lizzy English – HDR  
Mike Soucie – HDR  
Mary Scalise – HDR

Date of Issuance: 01/31/2018      Effective Date: 01/31/2018  
 Owner: City of Coeur d'Alene, ID      Owner's Contract No.:  
 Contractor: Apollo      Contractor's Project No.:  
 Engineer: HDR      Engineer's Project No.: 10026247  
 Project: CDA Tertiary Phase 2 Improvements      Contract Name:

**Contractor is directed to proceed promptly with the following change(s):**

Description: The existing retainer rings for the neoprene duck bill valves on the discharge of Return Tertiary Sludge pumps in the Flash Mix Tank were found to be corroded beyond function. Contractor shall perform the following.

1. Remove existing corroded retainer ring.
2. Reuse any existing stainless steel nuts and bolts that are salvageable. Furnish and install any replacements 316 stainless steel nuts and bolts that may be needed.
3. Fabricate new 316 stainless steel retainer ring with identical dimensions to the pattern of the corroded ring, and install.

Contractor shall confirm work activities daily with on-site RPR.

**Purpose for Work Change Directive:**

Directive to proceed promptly with the Work described herein, prior to agreeing to changes on Contract Price and Contract Time, is issued due to:

- Non-agreement on pricing of proposed change.  
 Necessity to proceed for schedule or other Project reasons.

**Estimated Change in Contract Price and Contract Times (non-binding, preliminary):**

Contract Price \$ TBD      increase  
 Contract Time 0      days

**Basis of estimated change in Contract Price:**


- Lump Sum       Unit Price  
 Cost of the Work per Day       Other

**RECOMMENDED:**

**AUTHORIZED BY:**

**RECEIVED:**

By:   
 Engineer (Authorized Signature)

By:   
 Owner (Authorized Signature)

By:   
 Contractor (Authorized Signature)

Title: Project Manager  
 Date: 01/31/18

Title: *Cap. PROGRAM MGR.*  
 Date: *1-31-2018*

Title: *VP*  
 Date: *2/27/18*



**/// BUILDING PEOPLE WHO BUILD GREAT THINGS**

**Work Change Directive**  
 Project: City of Coeur d'Alene Tertiary Treatment Phase 2  
 Apollo Inc.

WCD No: 16

Date: 02/26/18

Description	Labor	Mat	Equip.	Subcont. Total	Supp Total	Total
Item 1	\$ 1,311.69	\$ 175.46	\$ -	\$ 777.00	\$ 34.22	\$ 2,298.36
<b>SUBTOTAL COST &gt;</b>						<b>\$ 2,298.36</b>
Insurance Premium .5% - Changed Work >						\$ 11.49
Bond Premium .75% - Changed Work >						\$ 17.24
<b>TOTAL LUMP SUM COST &gt;</b>						<b>\$ 2,327.09</b>

Work Change Directive  
 Project: City of Coeur d'Alene Tertiary Treatment Phase 2  
 Apollo Inc.

WCD No: 16  
 Item No: 1  
 Date: 2/16/18

Item Description: Retainer Ring on Deck Bill Flapper Valve

Description	Qty	U of M	Rate	Labor	Unit	Rate	Mat	Unit	Rate	Equip.	Subcont. Total	Total
<b>APOLLO - PROJECT SUPERVISION COSTS</b>												
Project Manager	2.0	HR	\$ 90.00	\$ 180.00								\$ 180.00
Project Superintendent	2.0	HR	\$ 79.56	\$ 159.12								\$ 159.12
Site Civil Superintendent	4.0	HR	\$ 68.08	\$ 272.32								\$ 272.32
<b>APOLLO - CRAFT LABOR COSTS</b>												
<b>Carpenters</b>												
Carpenter	12.0	HR	\$ 38.37	\$ 460.44								\$ 460.44
<b>Laborers</b>												
General	2.0	HR	\$ 34.36	\$ 68.72								\$ 68.72
<b>APOLLO - MATERIAL COSTS</b>												
SS All Thread & Nuts	1.0				LS	\$ 72.11	\$ 72.11					\$ 72.11
SS All Thread & Nuts	1.0				LS	\$ 80.46	\$ 80.46					\$ 80.46
							\$ -					\$ -
Apollo - Subtotal Direct Costs >				\$ 1,140.60			\$ 152.57			\$ -		\$ 1,293.17
Markup on Self-Performed Labor, Mat'ls & Equipment >	15.0%			\$ 171.09			\$ 22.89			\$ -		\$ 193.98
<b>SUBCONTRACTOR COSTS</b>												
Solid Rock	1										\$ 740.00	\$ 740.00
											\$ -	\$ -
Subtotal Subcontractors Costs >											\$ 740.00	\$ 740.00
Markup on Subcontractor Costs >	5.0%										\$ 37.00	\$ 37.00
<b>SUPPLEMENTAL COSTS</b>												
Special Consultants											\$ -	\$ -
Subsistence for Project Supervision					HR	\$ 11.25	\$ -					\$ -
Temporary Facilities at the Site					LS		\$ -					\$ -
Small Tools	1.0				LS	\$ 34.22	\$ 34.22					\$ 34.22
Subtotal Supplementary Costs >							\$ 34.22				\$ -	\$ 34.22
Markup on Supplementary Costs >	0.0											

Contractor - Total Direct Costs w/Markup >	\$ 2,298.36
Insurance Premium .5% - Changed Work >	\$ 11.49
Bond Premium .75% - Changed Work >	\$ 17.24
<b>TOTAL LUMP SUM COST &gt;</b>	<b>\$ 2,327.09</b>





# EXTRA WORK ORDER

CUSTOMER: City of Coeur d'Alene	EWO:
ADDRESS:	Job #: P 162
WORK ORDERED BY: HDR/City of CDA	JOB NAME: CDA Tertiary Treatment Ph. 2
	DATE: 1-25, 26-18 DAY:

Description of Work: TME. Remove 2 existing non stainless steel backer rings on the RTS, discharge Tideflex duck valves, have 2 new backer ring sets fabricated and install.  
WLD #16

NAME	CLASS	LABOR		EQUIPMENT USED	HOURS
		ST	OT		
Craig Tenue	labor/open	7			
Brent Stewart	labor	2			
Kevin Buvler	Supt	6			
Brian Greenfelder	Comp	6			
Hector	Comp	6			
				TOTAL EQUIPMENT	

CONTRACT MATERIALS			SUBCONTRACTOR	
DESCRIPTION	QUANTITY	PRICE		
1 1/2" SS Allthread			Solid Rock	
			TOTAL SUBCONTRACTOR	

OFFICE USE ONLY: COST SUMMARY				
LABOR				
MATERIALS				
EQUIPMENT				
TRUCK RENTAL/SUBCONTRACTOR			\$	-
SUB-TOTAL			\$	-
CH&P - LABOR			\$	-
CH&P - EQUIPMENT			\$	-
CH&P - MATERIALS			\$	-
CH&P - TRUCK RENTAL/SUBCONTRACTOR			\$	-
TOTAL OUTSIDE MATERIALS			TOTAL AMOUNT	\$ -

*Kevin Buvler*  
Submitted by Apollo Representative

*Walter Sanchez*  
Authorized By Project Representative  
2-15-2018



Existing tapped flange non typical size and threads

2 Ordered new studs Craig

4 Install new studs Craig & Brent

6 Fabricate 2 sets of backer rings for existing Tideflex valves.  
Kevin - coordinate, order, transport

4 Measure existing bolts and backer flanges Brian & Hector

6 Install new backer flanges with existing bolts Brian & Hector

2 clean up and remove access Brian & Hector



# Tacoma Screw Products, Inc.

# Invoice

tacomascREW.com

Since 1946

**Fasteners • Tools • Maintenance & Shop Supplies**

REMIT TO Tacoma Screw Products, Inc.  
Attn: Accounts Receivable  
P.O. Box 35165  
Seattle, WA 98124 5165 U.S.A.

INVOICE #	24083698
LOCATION	SPOKANE
DATE	01/16/18
PAGE	1 OF 1

**BILL TO**

116002  
APOLLO INC  
ATTN ACCOUNTS PAYABLE  
PO BOX 7305  
KENNEWICK, WA 99336-7305

**SHIP TO**

APOLLO INC  
CRAIG  
ATTN RECEIVING  
765 HUBBARD AVE  
COEUR D' ALENE, ID 83814-15

ORDER NUMBER SV96215	ORDER DATE 01/16/18	ORIGINAL QUOTE SV34257	CUSTOMER P/O NUMBER P162	PAYMENT TERMS NET 30 DAYS
WRITTEN BY JHP	SALES REP SEC	CUST RELEASE#	JOB NUMBER	SHIP VIA UPS RED

PRODUCT DESCRIPTION	QUANTITY OPEN	QUANTITY SHIPPED	QUANTITY B/O	PRICE	U/M	TAX	EXTENSION
*JAC 316 SS ALL THREAD ROD 1-1/8"-7 X 6FT	1	0	1	93.8200	EA		0.00
*JAC 316 SS HEX NUTS 1-1/8"-7 FREIGHT - RED \$72.11	10	0	10	3.5900	EA		0.00

**APOLLO, INC**  
**JAN 19 2018**  
**RECEIVED**

Thank you for your order. Please note that all sales are subject to Tacoma Screw Products, Inc.'s Terms of Sale and Conditions of Sale. If there should be any questions, or if we can be of further service, please call (253) 572-3444 or (800) 562-8192. We appreciate and value your continued business.

MERCHANDISE TOTAL	HANDLING	MISC CHARGE	TAX	FREIGHT	DEPOSIT AMOUNT	DEPOSIT APPLIED	INVOICE TOTAL
0.00	0.00	0.00	0.00	72.11	0.00	0.00	72.11

01/16/18 12:00:00 N



**Remit to**  
 Fastenal Company  
 P.O. Box 1286  
 Winona, MN 55987-1286

**INVOICE**

Page 1 of 1

**Cust. No.** IDCOE1989  
**Cust. P.O.** P162  
**Job No.** rjh - over  
**Contract No.**

**For billing questions**  
 1807 N. 4th Street  
 COEUR D ALENE, ID 83814

**Invoice Date**  
 01/19/2018

**Invoice No.**  
 IDCOE56964

**Invoice Total**  
 80.46 USD

**Phone** 208/864-1583  
**Fax** 208/765-3251

**Due Date**  
 02/18/2018

**Sold To**

APOLLO INC  
 1133 W COLUMBIA DR  
 KENNEWICK, WA 99336-3472

**Ship To**

Picked up at branch  
 1807 N. 4th Street  
 COEUR D ALENE, ID 83814

**This Order and Document is subject to the "Terms of Purchase" posted on www.fastenal.com.**

Line No	Quantity Ordered	Quantity Shipped	Quantity Backordered	Description	Control No.	Part No.	Price / Hundred	Amount
1	1	1	0	S/S TROD 1 1/8 TX3	00D0472	47593	6,800.0000	68.00 1
2	2	2	0	4.5x5/8"-11.6CGT27FD	170075824	0812643	395.0100	7.50 1

**Received By**

**Tax Exemption**

**Comments**

Contact: Cory

Subtotal	75.90
Shipping & Handling	0.00
ID State Tax	4.56
County Tax	0.00
City Tax	0.00
<b>Total</b>	<b>80.46</b>

Reasonable collection and attorneys fees will be assessed to all accounts placed for collection.

No materials accepted for return without our permission. All discrepancies must be reported within 10 days.

if you re-package or re-sell this product, you are required to maintain integrity of Country of Origin to the consumer of this product.

**Please pay from this invoice.**

Invoice: IDCOE56964 Cust: IDCOE1989



WCD 017

TMF ROOF DRAIN



August 13, 2018

Apollo, Inc.  
1133 West Columbia Drive  
Kennewick, WA 99336

Attn: Amy Jenne

Re: Coeur d'Alene Tertiary Treatment Phase 2 project  
WCD 017 – TMF Roof Drain  
Engineer's Decision

Amy,

We have reviewed your cost proposal for WCD 017 – TMF Roof Drain. We have found your submitted cost proposal to be acceptable.

A total cost of \$2,464.68 and a total of 0 calendar days will be included in the forthcoming final Change Order.

Sincerely,  
HDR Engineering, Inc.

A handwritten signature in blue ink, appearing to read 'Todd Jensen'.

Todd Jensen, PE, CCM  
*Construction Manager*

cc: Jim Remitz – City of Coeur d'Alene Wastewater Department  
Rickey Schultz – HDR  
Mike Soucie – HDR  
Mary Scalise – HDR

Date of Issuance: 01/31/2018      Effective Date: 01/31/2018  
 Owner: City of Coeur d'Alene, ID      Owner's Contract No.:  
 Contractor: Apollo      Contractor's Project No.:  
 Engineer: HDR      Engineer's Project No.: 10026247  
 Project: CDA Tertiary Phase 2 Improvements      Contract Name:

**Contractor is directed to proceed promptly with the following change(s):**

Description: The TMF roof drains come into the building via a wall penetration and are supported from the ceiling and insulated with 2 inch insulation. The roof drains are clogged with debris and need a steeper slope to drain properly.

1. Remove and discard debris within the 3 inch roof drain system.
2. Install cleanout at far north end where roof drain piping drops down vertically.
3. Reconfigure the Schedule 80, 3 inch PVC piping to create a 1/4"/foot of slope for sufficient drainage.

Contractor shall confirm work activities daily with on-site RPR.

**Purpose for Work Change Directive:**

Directive to proceed promptly with the Work described herein, prior to agreeing to changes on Contract Price and Contract Time, is issued due to:

- Non-agreement on pricing of proposed change.  
 Necessity to proceed for schedule or other Project reasons.

**Estimated Change in Contract Price and Contract Times (non-binding, preliminary):**


Contract Price \$ TBD      increase  
 Contract Time 0      days


**Basis of estimated change in Contract Price:**

- Lump Sum       Unit Price  
 Cost of the Work per Day       Other

**RECOMMENDED:****AUTHORIZED BY:****RECEIVED:**

By:   
 Engineer (Authorized Signature)

By:   
 Owner (Authorized Signature)

By:   
 Contractor (Authorized Signature)

Title: Project Manager

Title: *Cap. Project Mgr.*

Title: *VP*

Date: 01/31/18

Date: *1-31-2018*

Date: *2/27/18*





**/// BUILDING PEOPLE WHO BUILD GREAT THINGS**

**Work Change Directive**  
 Project: City of Coeur d'Alene Tertiary Treatment Phase 2  
 Apollo Inc.

WCD No: 17

Date: 07/30/18

Description	Labor	Mat	Equip.	Subcont. Total	Supp Total	Total
Repair Roof Drain TMF	\$ 1,304.93	\$ 230.00	\$ 253.00	\$ 612.29	\$ 34.04	\$ 2,434.26
<b>SUBTOTAL COST &gt;</b>						<b>\$ 2,434.26</b>
Insurance Premium .5% - Changed Work >						\$ 12.17
Bond Premium .75% - Changed Work >						\$ 18.26
<b>TOTAL LUMP SUM COST &gt;</b>						<b>\$ 2,464.68</b>

Work Change Directive  
 Project: City of Coeur d'Alene Tertiary Treatment Phase 2  
 Apollo Inc.

WCD No: 17  
 Item No: 1  
 Date: 7/30/18

Item Description: TMF Roof Drain

Description	Qty	U of M	Rate	Labor	Unit	Rate	Mat	Unit	Rate	Equip.	Subcont. Total	Total
<b>APOLLO - PROJECT SUPERVISION COSTS</b>												
Project Manager	2.0	HR	\$ 90.00	\$ 180.00								\$ 180.00
Project Superintendent	12.0	HR	\$ 79.56	\$ 954.72								\$ 954.72
Site Civil Superintendent		HR	\$ 68.08	\$ -								\$ -
<b>APOLLO - OTHER EQUIPMENT COSTS</b>												
Manlift	1.0							LS	\$ 220.00	\$ 220.00		\$ 220.00
								LS	\$ -	\$ -		\$ -
									\$ -	\$ -		\$ -
<b>APOLLO - MATERIAL COSTS</b>												
Misc. Materials	1.0						\$ 200.00					\$ 200.00
Apollo - Subtotal Direct Costs >				\$ 1,134.72			\$ 200.00			\$ 220.00		\$ 1,554.72
Markup on Self-Performed Labor, Mat'ls & Equipment >	15.0%			\$ 170.21			\$ 30.00			\$ 33.00		\$ 233.21
<b>SUBCONTRACTOR COSTS</b>												
Tanz Mechanical	1										\$ 583.13	\$ 583.13
Subtotal Subcontractors Costs >											\$ 583.13	\$ 583.13
Markup on Subcontractor Costs >	5.0%										\$ 29.16	\$ 29.16
<b>SUPPLEMENTAL COSTS</b>												
Special Consultants											\$ -	\$ -
Subsistence for Project Supervision					HR	\$ 11.25	\$ -					\$ -
Temporary Facilities at the Site					LS	\$ -	\$ -					\$ -
Small Tools	1.0				LS	\$ 34.04	\$ 34.04					\$ 34.04
Subtotal Supplementary Costs >						\$ 34.04					\$ -	\$ 34.04
Markup on Supplementary Costs >	0.0											

Contractor - Total Direct Costs w/Markup >	\$ 2,434.26
Insurance Premium .5% - Changed Work >	\$ 12.17
Bond Premium .75% - Changed Work >	\$ 18.26
<b>TOTAL LUMP SUM COST &gt;</b>	<b>\$ 2,464.68</b>



# EXTRA WORK ORDER

CUSTOMER: City of Coeur d'Alene	EWO:
ADDRESS: <b>SPR #26 WCD 17</b>	Job #: P 162
WORK ORDERED BY: <b>HDR / City of CDA</b>	JOB NAME: CDA Tertiary Treatment Ph. 2
	DATE: DAY:

Description of Work: *Repair pipe insulation at TME roof drains required during tower/hanger modifications and installation.*

LABOR				EQUIPMENT USED	
NAME	CLASS	HOURS		DESCRIPTION	HOURS
		ST	OT		
<i>Kevin Burdick</i>	<i>Supt</i>	<i>12</i>			
				TOTAL EQUIPMENT	
CONTRACT MATERIALS				SUBCONTRACTOR	
DESCRIPTION	QUANTITY	PRICE			
<i>Misc pvc material</i>		<i>\$200.</i>	<i>Tanz Mechanical</i>		
				TOTAL SUBCONTRACTOR	
OFFICE USE ONLY: COST SUMMARY					
LABOR					
MATERIALS					
EQUIPMENT					
TRUCK RENTAL/SUBCONTRACTOR					\$ -
SUB-TOTAL					\$ -
CH&P - LABOR					\$ -
CH&P - EQUIPMENT					\$ -
CH&P - MATERIALS					\$ -
CH&P - TRUCK RENTAL/SUBCONTRACTOR					\$ -
TOTAL OUTSIDE MATERIALS					\$ -
TOTAL AMOUNT					\$ -

*Kevin Burdick*  
Submitted by Apollo Representative

*Jeffrey D. Sorensen* Jun 27th '18  
Authorized By Project Representative

*Tanz & Kevin.*



**INVOICE**  
 SEND ALL PAYMENTS TO:  
 SUNBELT RENTALS, INC.  
 PO BOX 409211  
 ATLANTA, GA 30384-9211

INVOICE NO.	72489526-0007
ACCOUNT NO.	305018
INVOICE DATE	2/28/18
PAGE	1 of 1

INVOICE TO

Mr. Mike JTB  
 APOLLO INC  
 PO BOX 7366  
 1207 W COLUMBIA DR  
 KENNEWICK WA 98335-3459



JOB ADDRESS  
 APOLLO INC  
 1080 HUBBARD AVE  
 COEUR D'ALENE, ID 83814  
 509-948-2803

RECEIVED BY	CONTRACT NO.
BECK, TONY	72489526
PURCHASE ORDER NO.	
	P162
JOB NO.	
	162
BRANCH	
	POST FALLS ID PC124 573 N IDAHLINE RD POST FALLS, ID 83854 208-777-4585

QTY	EQUIPMENT #	Min	Day	week	4 week	Amount
1	60' STR ELEC MANLIFT W/GEN 943314 Make: JLG Model: M600JP Ser #: 0300216512	220.00	220.00	675.00	2150.00	2150.00
	HR OUT: 85.000 HR IN: TOTAL: 85.000					
	BILLED FOR FOUR WEEKS 2/06/18 THRU 3/05/18.					Rental Sub-total: 2150.00

APOLLO, INC.

MAR 05 2018

RECEIVED

Equipment. Service. Guaranteed.

REMIT TO:

SUNBELT RENTALS, INC.  
 PO BOX 409211  
 ATLANTA, GA 30384-9211

NET DUE UPON RECEIPT

Invoices not paid within 30 days may be subject  
 to a 1-1/2% per month charge.

SUBTOTAL	2,150.00
SALES TAX	129.00
INVOICE TOTAL	2,279.00

4 WEEK BILL



WCD 018

TMF TANK 6 SS BULK HEAD



March 27, 2018

Apollo, Inc.  
1133 West Columbia Drive  
Kennewick, WA 99336

Attn: Amy Jenne

Re: Coeur d'Alene Tertiary Treatment Phase 2 project  
WCD 018 – TMF Membrane Tank 6 SS Bulkhead & Removable Bulkhead  
Engineer's Decision

Amy,

We have reviewed your cost proposal for WCD 018 – TMF Membrane Tank 6 SS Bulkhead & Removable Bulkhead. We have found your submitted cost proposal to be acceptable.

A total cost of \$8,009.82 and a total of 0 calendar days will be included in the forthcoming final Change Order.

Sincerely,  
HDR Engineering, Inc.

A handwritten signature in blue ink, appearing to read 'Todd Jensen'.

Todd Jensen, PE, CCM  
*Construction Manager*

cc: Jim Remitz – City of Coeur d'Alene Wastewater Department  
Rickey Schultz – HDR  
Lizzy English – HDR  
Mike Soucie – HDR  
Mary Scalise – HDR



Date of Issuance: 02/15/2018	Effective Date: 02/15/2018
Owner: City of Coeur d'Alene, ID	Owner's Contract No.:
Contractor: Apollo	Contractor's Project No.:
Engineer: HDR	Engineer's Project No.: 10026247
Project: CDA Tertiary Phase 2 Improvements	Contract Name:

**Contractor is directed to proceed promptly with the following change(s):**

Description: Owner requested a stainless steel bulkhead to be mounted on the weir of Membrane Tank 6 to prevent Return Tertiary Sludge (RTS) flows from overflowing into the tank.

1. Furnish and install a ¼-inch thick 304 stainless steel bulkhead, 2'6" feet tall and 9 feet long, overlapping below the weir wall by 6 inches.
2. Use all 316 stainless steel hardware.
3. Mount bulkhead with 316 stainless steel angles using drop-in or wedge anchors embedded in Sika-1A caulking.
4. Weld angle-iron to bulkhead, and fasten angle iron to northwest wall with Sika-1A caulking.

Additionally, Owner has requested a removable stainless steel bulkhead to be fabricated that can be used and temporarily installed by the operators in tanks 1-5 at any time for the purpose of isolating a tank from the RTS channel. Contractor shall fabricate a 304 Stainless steel weir wall stop plate with the following features:

1. Two evenly spaced handles for lifting welded to plate
2. 304 stainless steel supports along the bottom and along the sides of the plate to allow the plate to seat on the weir by combination of gravity and hydraulic head pressure.
3. See attached sketch provided by Contractor with dimensions and stop plate concept.

Contractor shall confirm work activities daily with on-site RPR.

**Purpose for Work Change Directive:**

Directive to proceed promptly with the Work described herein, prior to agreeing to changes on Contract Price and Contract Time, is issued due to:

- Non-agreement on pricing of proposed change.
- Necessity to proceed for schedule or other Project reasons.

**Estimated Change in Contract Price and Contract Times (non-binding, preliminary):**

Contract Price \$ TBD increase

Contract Time 0 days

**Basis of estimated change in Contract Price:**

- Lump Sum  Unit Price  
 Cost of the Work per Day  Other

**RECOMMENDED:**

**AUTHORIZED BY:**

**RECEIVED:**

By:   
Engineer (Authorized Signature)

By:   
Owner (Authorized Signature)

By:   
Contractor (Authorized Signature)

Title: Project Manager

Title: Cap. Proc. MGR.

Title: VP

Date: 02/15/18

Date: 2-26-2018

Date: 2/27/18



**/// BUILDING PEOPLE WHO BUILD GREAT THINGS**

**Work Change Directive**  
**Project: City of Coeur d'Alene Tertiary Treatment Phase 2**  
**Apollo Inc.**

**WCD No:** 18

**Date:** 03/20/18

Description	Labor	Mat	Equip.	Subcont. Total	Supp Total	Total
TMF Membrane Tank 6 SS Bulkhead & Removable Bulkhead	\$ 1,558.03	\$ 3,033.24	\$ 81.77	\$ 3,197.25	\$ 40.64	\$ 7,910.93
<b>SUBTOTAL COST &gt;</b>						<b>\$ 7,910.93</b>
Insurance Premium .5% - Changed Work >						\$ 39.55
Bond Premium .75% - Changed Work >						\$ 59.33
<b>TOTAL LUMP SUM COST &gt;</b>						<b>\$ 8,009.82</b>

Work Change Directive  
 Project: City of Coeur d'Alene Tertiary Treatment Phase 2  
 Apollo Inc.

WCD No: 18  
 Item No: 1  
 Date: 3/20/18

Item Description: TMF Membrane Tank 6 SS Bulkhead & Removable SS Bulkhead

Description	Qty	U of M	Rate	Labor	Unit	Rate	Mat	Unit	Rate	Equip.	Subcont. Total	Total
<b>APOLLO - PROJECT SUPERVISION COSTS</b>												
Project Manager	2.0	HR	\$ 90.00	\$ 180.00								\$ 180.00
Project Superintendent	6.0	HR	\$ 79.56	\$ 477.36								\$ 477.36
Site Civil Superintendent	1.0	HR	\$ 68.08	\$ 68.08								\$ 68.08
<b>APOLLO - CRAFT LABOR COSTS</b>												
<b>Carpenters</b>												
Foreman	3.0	HR	\$ 43.52	\$ 130.56								\$ 130.56
Carpenter	13.0	HR	\$ 38.37	\$ 498.81								\$ 498.81
<b>APOLLO - OPERATED EQUIPMENT</b>												
<b>Crane - Manitowoc 222</b>												
+ Operator	0.0	HR	\$ 47.41	\$ -								\$ -
+ Operating Costs	1.0							HRLY	\$ 71.10	\$ 71.10		\$ 71.10
<b>APOLLO - MATERIAL COSTS</b>												
Intermountain Industrial	1.0				LS	\$ 2,217.60	\$ 2,217.60					\$ 2,217.60
Caulking	1.0				LS	\$ 75.00	\$ 75.00					\$ 75.00
1/2" Epoxy Anchors	12.0				EA	\$ 20.00	\$ 240.00					\$ 240.00
1/2" SS drop in Anchors	5.0				EA	\$ 15.00	\$ 75.00					\$ 75.00
Roto Hammer Bits	1.0				LS	\$ 30.00	\$ 30.00					\$ 30.00
							\$ -					\$ -
Apollo - Subtotal Direct Costs >				\$ 1,354.81		\$ 2,637.60				\$ 71.10		\$ 4,063.51
Markup on Self-Performed Labor, Mat'ls & Equipment >	15.0%			\$ 203.22		\$ 395.64				\$ 10.67		\$ 609.53
<b>SUBCONTRACTOR COSTS</b>												
Solid Rock Tank 6 Bulkhead	1										\$ 1,837.00	\$ 1,837.00
Solid Rock Temp Bulkhead	1.0										\$ 1,208.00	\$ 1,208.00
Subtotal Subcontractors Costs >											\$ 3,045.00	\$ 3,045.00
Markup on Subcontractor Costs >	5.0%										\$ 152.25	\$ 152.25
<b>SUPPLEMENTAL COSTS</b>												
Special Consultants											\$ -	\$ -
Subsistence for Project Supervision					HR	\$ 11.25	\$ -					\$ -
Temporary Facilities at the Site					LS	\$ -	\$ -					\$ -
Small Tools	1.0				LS	\$ 40.64	\$ 40.64					\$ 40.64
Subtotal Supplementary Costs >						\$ 40.64					\$ -	\$ 40.64
Markup on Supplementary Costs >	0.0											

<b>Contractor - Total Direct Costs w/Markup &gt;</b>	<b>\$ 7,910.93</b>
Insurance Premium .5% - Changed Work >	\$ 39.55
Bond Premium .75% - Changed Work >	\$ 59.33
<b>TOTAL LUMP SUM COST &gt;</b>	<b>\$ 8,009.82</b>



**EXTRA WORK ORDER**

CUSTOMER: City of Coeur d'Alene	EWO:
ADDRESS:	Job #: P 162
WORK ORDERED BY: HDR/City of CDA	JOB NAME: CDA Tertiary Treatment Ph. 2
	DATE: 2-6-7-18 DAY:

Description of Work: WCD #18, TMF Tank 6 SS bulkhead  
 Design, order, transport fabricated bulkhead.  
 Remove FRP covers, fit, drill anchors, set anchors.  
 Caulk plate and tighten in final installation location.  
 Trim anchors and clean up.

Portable temp bulkhead for weir wall opening 1 thru 5 has been ordered, It will be on separate EWO.

✓ *Structure time, extra for this event.*

LABOR				EQUIPMENT USED	
NAME	CLASS	HOURS		DESCRIPTION	HOURS
		ST	OT		
				Crane 222	1
				TOTAL EQUIPMENT	
CONTRACT MATERIALS				SUBCONTRACTOR	
DESCRIPTION	QUANTITY	PRICE			
Caulking		\$75.00		Solid Rock	
1/2" epoxy anchor	12x20				
1/2" SS clamp in anchors	5x15				
Roto hammer bits	1	\$30			
				TOTAL SUBCONTRACTOR	
OFFICE USE ONLY: COST SUMMARY					
				LABOR	
				MATERIALS	
				EQUIPMENT	
				TRUCK RENTAL/SUBCONTRACTOR	\$ -
				SUB-TOTAL	\$ -
				OH&P - LABOR	\$ -
				OH&P - EQUIPMENT	\$ -
				OH&P - MATERIALS	\$ -
				OH&P - TRUCK RENTAL/SUBCONTRACTOR	\$ -
TOTAL OUTSIDE MATERIALS				TOTAL AMOUNT	\$ -

*[Signature]*  
 Submitted by Apollo Representative

*[Signature]*  
 Authorized By Project Representative  
 2-15-2018



11 D 18 TMF Tank 6 SE Bulkhead

Design, order, transport fabricated bulkhead including purchase and transport of caulking and anchor materials 12 hrs KLS

Remove FRP covers,  $\frac{3}{4}$ " drill & set anchors install plate

Cory	3	Sup
Ben	4	Car
Bruce	4	Car
Craig	1	operator

Finish caulking and tighten anchors for final sets. trim anchors and clean up

Brent	3	carp
Ben	2	carp

**Solid Rock Gate Supply Inc dba Welding  
Fabrication Services**

6955 N Pleasant View Rd  
Post Falls, ID 83854

**Bill To**

Apollo Inc  
Kevin Burke  
1133 West Columbia Drive  
Kennewick, WA 99336

Phone: (208) 457-8048  
Fax: (208) 457-8858  
E-Mail: sales@welding-fab.com

**Invoice**

<b>Date</b>	<b>Terms</b>	<b>P.O. Number</b>	<b>Invoice #</b>
2/12/2018	Due on receipt		20847

<b>Description</b>	<b>Color</b>	<b>Quantity</b>	<b>Price Each</b>	<b>Amount</b>
WCD 18 TMF TANK 6 BULKHEAD			1,837.00	1,837.00

Work Order #

Thank you for your business.  
Late Charges of 1.5% per month assessed on past due balances.

<b>Sales Tax (6.0%)</b>	\$0.00
<b>Payments/Credits</b>	\$0.00
<b>Balance Due</b>	\$1,837.00





**Solid Rock Gate Supply Inc dba Welding  
Fabrication Services**

6955 N Pleasant View Rd  
Post Falls, ID 83854

**Bill To**

Apollo Inc  
Kevin Burke  
1133 West Columbia Drive  
Kennewick, WA 99336

Phone: (208) 457-8048  
Fax: (208) 457-8858  
E-Mail: sales@welding-fab.com

# Invoice

<b>Date</b>	<b>Terms</b>	<b>P.O. Number</b>	<b>Invoice #</b>
3/14/2018	Due on receipt	TEMP BULKH...	20890

Description	Color	Quantity	Price Each	Amount
PLATE- TEMP BULKHEAD		1	1,208.00	1,208.00

Work Order #

Thank you for your business.  
Late Charges of 1.5% per month assessed on past due balances.

<b>Sales Tax (6.0%)</b>	\$0.00
<b>Payments/Credits</b>	\$0.00
<b>Balance Due</b>	\$1,208.00

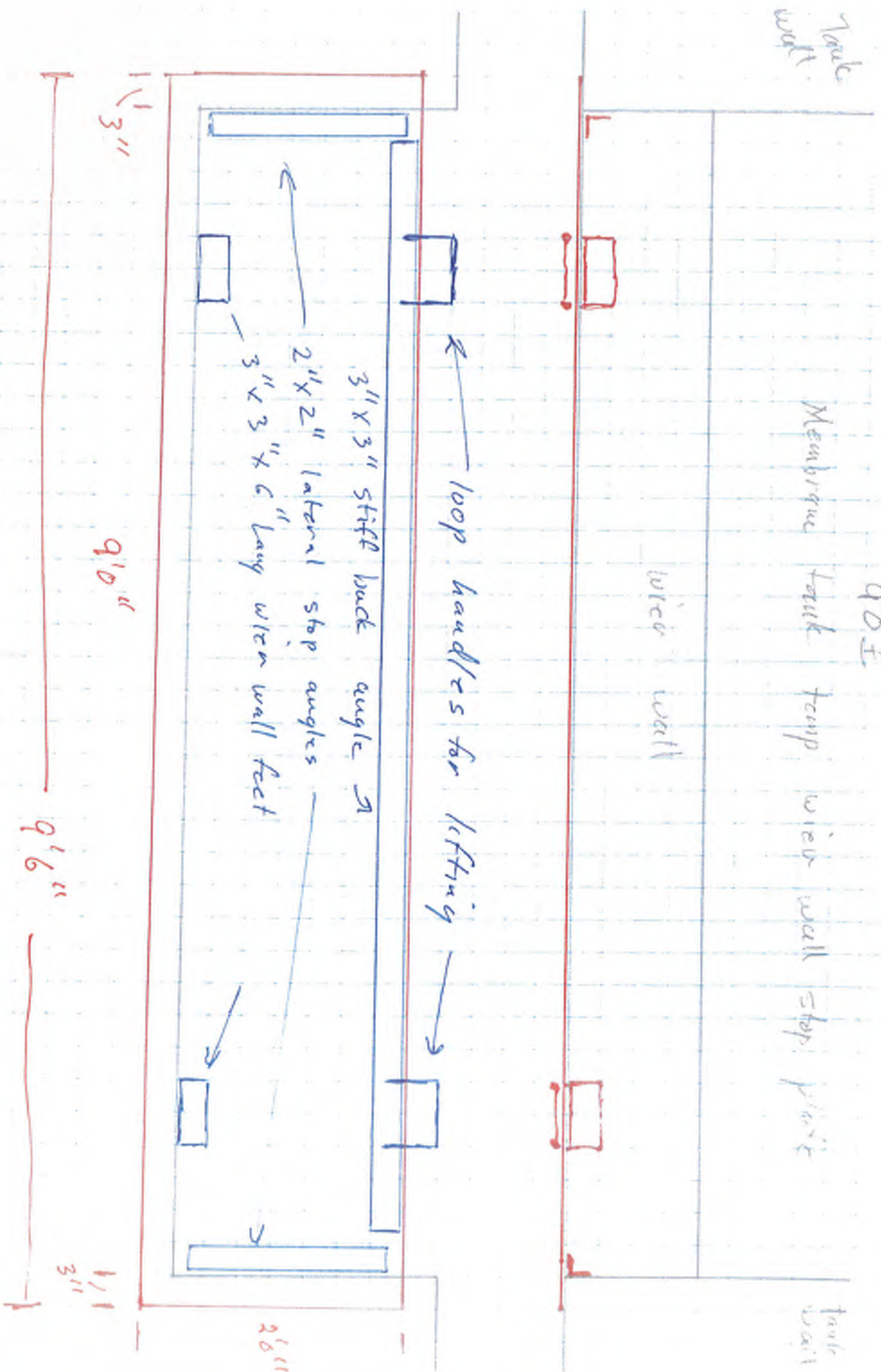
Top  
wall

9'0" ±

Membrane tank temp wire wall stop point

Temp  
wall

wire wall



loop handles for lifting

3" x 3" stiff back angle

2" x 2" lateral stop angles

3" x 3" x 6" long wire wall feet

9'0" ±

9'6"

2'0"

3"

3"



## Kevin Burke

---

**From:** Kevin Burke  
**Sent:** Tuesday, February 13, 2018 5:30 PM  
**To:** 'Sales'  
**Cc:** Amy Jenne  
**Subject:** RE: TMF temp weir wall stop plate

Mike,

Proceed with ordering materials and fabrication of this weir wall temp stop plate. This will be part of WCD 18. Call to confirm.

Kevin Burke  
General Superintendent  
Cell (509) 947-4607  
[kburke@apollo-gc.com](mailto:kburke@apollo-gc.com)



....Building People Who Build Great Things

---

1133 W Columbia Dr Kennewick WA 99336  
(509) 586-1104 [www.apollo-gc.com](http://www.apollo-gc.com)

**From:** Sales [<mailto:sales@welding-fab.com>]  
**Sent:** Thursday, February 1, 2018 2:45 PM  
**To:** Kevin Burke <[kburke@apollo-gc.com](mailto:kburke@apollo-gc.com)>  
**Subject:** Re: TMF temp weir wall stop plate

Kevin,

The total for this temp weir plate would be \$1208.00 (Material alone is \$848.00)

Thanks,

**Mike Boviall**  
Solid Rock Gate Supply Inc  
dba Welding Fabrication Services  
6955 N Pleasant View Rd  
Post Falls, ID 83854  
(208) 457-8048

(208) 457-8858 - fax



Notice - Privileged, Confidential and/or Proprietary Material

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**From:** Kevin Burke <[kburke@apollo-gc.com](mailto:kburke@apollo-gc.com)>  
**To:** Sales <[sales@welding-fab.com](mailto:sales@welding-fab.com)>  
**Sent:** Tuesday, January 30, 2018 9:57 AM  
**Subject:** TMF temp weir wall stop plate

Mike,

Attached is a sketch of a movable temp weir wall stop plate. It is made from 304 SS. I need a price. Call with questions.

Is there anything ready to pick up?

Kevin Burke  
General Superintendent  
Cell (509) 947-4607  
[kburke@apollo-gc.com](mailto:kburke@apollo-gc.com)



....Building People Who Build Great Things

1133 W Columbia Dr Kennewick WA 99336  
(509) 586-1104 [www.apollo-gc.com](http://www.apollo-gc.com)

**From:** Scan  
**Sent:** Tuesday, January 30, 2018 9:42 AM  
**To:** Kevin Burke <[kburke@apollo-gc.com](mailto:kburke@apollo-gc.com)>  
**Subject:** Attached Image

#### Disclaimer

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# INTERMOUNTAIN INDUSTRIAL INC.

PO Box 23  
1937 Middle Bear Creek Road  
Victor, MT 59875  
Phone # 406-642-3294  
Fax # 406-642-3747

## Invoice

Date	Invoice #
1/18/2018	342-004

Bill To
Apollo, Inc. 1133 W. Columbia Drive Kennewick, WA 99336

P.O. No.	Terms	Project
P162-0013	Net30	342-Cd'A WWTP Pb...

Qty	Description	Rate	Amount
	Change Order #7 - Supply Stainless Steel Baffles - Stainless Steel U-Bolts shipped directly to jobsite in Coeur d'Alene, ID. Overpayment of Pay App #342-002 - sales tax -	2,217.60	2,217.60
	REVISION - PLEASE PROCESS AND PAY THIS INVOICE. THANK YOU. Out-of-state sale, exempt from sales tax	0.00%	0.00
<p>APOLLO, INC.</p> <p>JAN 22 2018</p> <p>RECEIVED</p>			
Thank you for your business!		<b>Total</b>	

Phone #
406-642-3294





**Solid Rock Gate Supply Inc dba Welding  
Fabrication Services**

6955 N Pleasant View Rd  
Post Falls, ID 83854

**Bill To**

Apollo Inc  
Kevin Burke  
1133 West Columbia Drive  
Kennewick, WA 99336

Phone: (208) 457-8048  
Fax: (208) 457-8858  
E-Mail: sales@welding-fab.com

**Invoice**

<b>Date</b>	<b>Terms</b>	<b>P.O. Number</b>	<b>Invoice #</b>
3/14/2018	Due on receipt	TEMP BULKH...	20890

<i>Description</i>	<i>Color</i>	<i>Quantity</i>	<i>Price Each</i>	<i>Amount</i>
PLATE- TEMP BULKHEAD		1	1,208.00	1,208.00

Work Order #

Thank you for your business.  
Late Charges of 1.5% per month assessed on past due balances.

<b>Sales Tax (6.0%)</b>	\$0.00
<b>Payments/Credits</b>	\$0.00
<b>Balance Due</b>	\$1,208.00

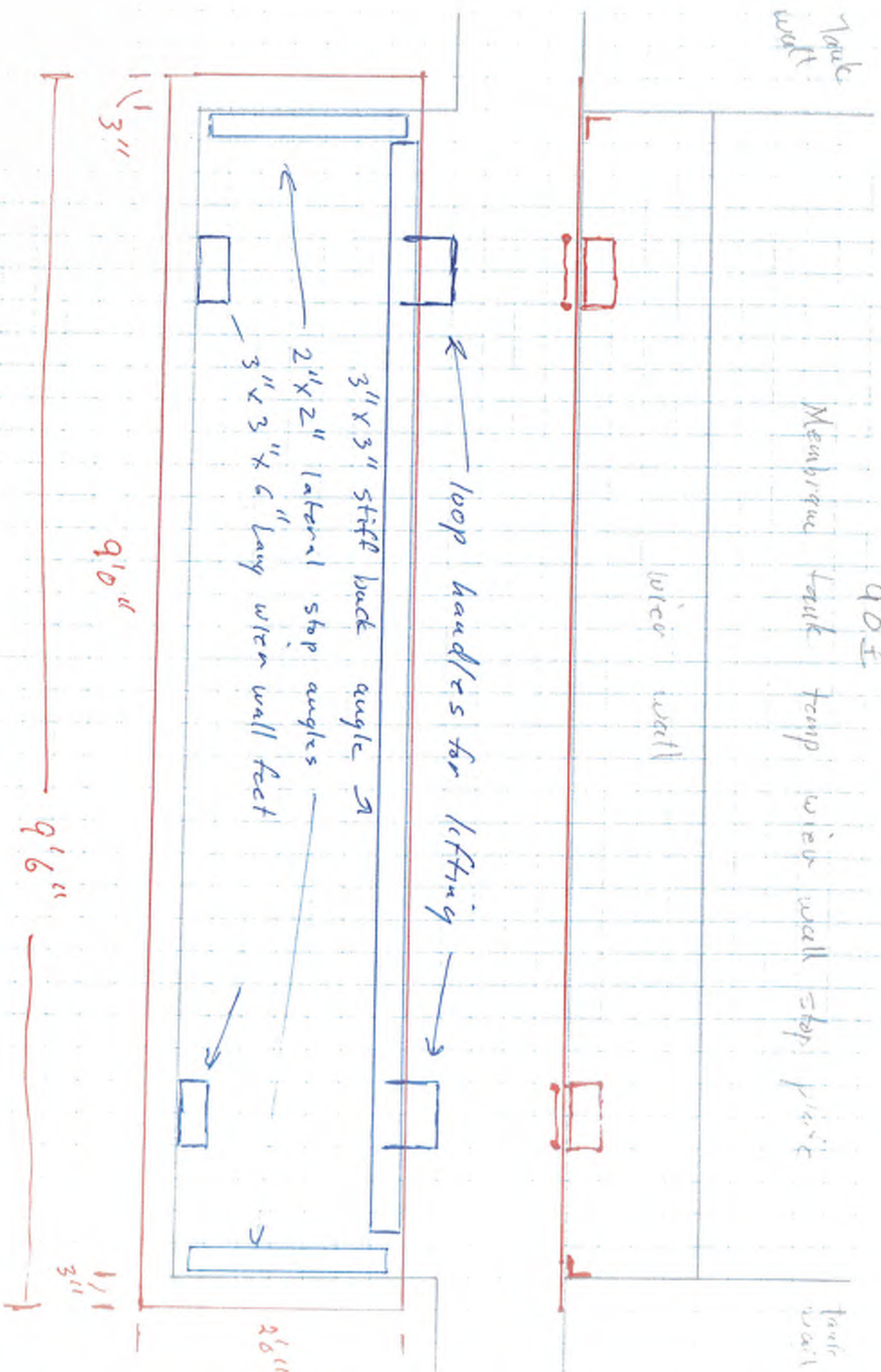
Table  
wall

9'0" ±

Membrane tank temp view wall stop point

view wall

Table  
wall



WCD 019

CHEMICAL BUILDING TANK OVERFLOW PREVENTION



October 9, 2018

Apollo, Inc.  
1133 West Columbia Drive  
Kennewick, WA 99336

Attn: Amy Jenne

Re: Coeur d'Alene Tertiary Treatment Phase 2 project  
WCD 019 – Chemical Building Tank Level Readout, Overflow Prevention and Valves at Drip  
Pans  
Engineer's Decision

Amy,

We have reviewed your cost proposal for WCD 019 – Chemical Building Tank Level Readout, Overflow Prevention and Valves at Drip Pans. We have found your submitted cost proposal to be acceptable.

A total cost of \$24,471.37 and a total of 0 calendar days will be included in the forthcoming final Change Order.

Sincerely,  
HDR Engineering, Inc.

Todd Jensen, PE, CCM  
*Construction Manager*

cc: Jim Remitz – City of Coeur d'Alene Wastewater Department  
Rickey Schultz – HDR  
Mike Soucie – HDR  
Mary Scalise – HDR

Date of Issuance: 02/15/2018      Effective Date: 02/15/2018  
 Owner: City of Coeur d'Alene, ID      Owner's Contract No.:  
 Contractor: Apollo      Contractor's Project No.:  
 Engineer: HDR      Engineer's Project No.: 10026247  
 Project: CDA Tertiary Phase 2 Improvements      Contract Name:

**Contractor is directed to proceed promptly with the following change(s):**

Description:

The Owner has requested the option for a Chemical tank level readout that can be viewed and used by Chemical Delivery Truck drivers from the outside of the Chemical Systems Building. The intention is to provide immediate indication of the tank levels to prevent overflow, as well as indicate whether truck drivers can pump more than what the Owner has initially ordered.

Additionally, Owner has requested there be modifications to the overflow piping to accommodate minor overfills of the tanks that would not lead to immediate drainage to sumps.

1. Fabricate three (3) wall mounted level instrument control junction boxes matching the existing exterior junction box for the caustic system. The new junction boxes shall have a UV resistant panel meter, exterior door gasket for environmental protection, and mount to eastern exterior wall of Chemical Systems Center. The intention for the exterior boxes shall be a small footprint and only contain the minimum requirements to operate a panel meter for level indication. Run one (1) #16 TSP, two (2) #14 AWG and one (1) #14 AWG GND, and two (2) 3/4-inch conduits from each indoor LIT box on the west wall to the exterior east wall (fill points) and terminate on each exterior control box respectively. Conduit penetrations for the exterior LIT boxes shall be either of the following methods: 1) through wall penetration into back of control box or 2) through wall penetration and 90° into bottom of control box. All penetrations shall be sealed for prevention of environmental ingress into the control boxes and building. A Red Lion model type PAX panel meter or approved equal shall be used to indicate 0-100% fill or level in feet of total level. Power shall be piggybacked from the original (interior) LIT control box and terminated on the power terminals dedicated in the exterior control box. The device shall be field programmable and operator adjustable.
2. Furnish and install 3-inch Schedule 80 fittings for the two alum tanks, and CPVC for the alternate coagulant tank and piping to route overflow from all three new chemical tanks inside the Chemical Systems Center. Pipe the drain and the overflow piping in the same line to the sump, stopping 1-inch short of the grating to allow for ease of removal. Coordinate routing with Owner/RPR. The piping configuration for **each tank** shall include:
  - One (1) flexible coupling at the interface of the tank
  - Three (3) 90 degree elbows, to create a section of piping that elbows up-over-down, and forms a gooseneck before routing to the grating over the sumps. See attached sketch.
  - One (1) 45 degree elbow, to create a turndown at the outlet of the piping 1-inch from the sumps.
  - Composite Unistrut pipe support system and pipe clamps mounted to concrete pedestal and mounted with composite (non-metal) epoxy anchors to sealcoating. Composite unistrut and non-metal anchors with epoxy should be used to secure the piping and keep it off the floor.
  - One (1) low head loss duck bill valve (either Tideflex or Red Valve) installed at the end of the line, or check valve.

Contractor shall confirm work activities daily with on-site RPR.

**Purpose for Work Change Directive:**

Directive to proceed promptly with the Work described herein, prior to agreeing to changes on Contract Price and Contract Time, is issued due to:

- Non-agreement on pricing of proposed change.
- Necessity to proceed for schedule or other Project reasons.

**Estimated Change in Contract Price and Contract Times (non-binding, preliminary):**

Contract Price \$ TBD increase

Contract Time 0 days

**Basis of estimated change in Contract Price:**

- Lump Sum  Unit Price  
 Cost of the Work per Day  Other

**RECOMMENDED:**

**AUTHORIZED BY:**

**RECEIVED:**

By: 

By: 

By: 

Engineer (Authorized Signature)

Owner (Authorized Signature)

Contractor (Authorized Signature)

Title: Project Manager

Title: *Cap. Prog. Mgr.*

Title: *VP*

Date: 02/15/18

Date: *2-26-2018*

Date: *5/1/18*



**/// BUILDING PEOPLE WHO BUILD GREAT THINGS**

**Work Change Directive**  
**Project: City of Coeur d'Alene Tertiary Treatment Phase 2**  
**Apollo Inc.**

**WCD No:** 19 Rev 1

**Date:** 10/08/19

Description	Labor	Mat	Equip.	Subcont. Total	Supp Total	Total
Chemical Tank Level Readout & Overflow Protection	\$ 10,711.61	\$ 4,874.47	\$ -	\$ 8,303.75	\$ 279.43	\$ 24,169.26
<b>SUBTOTAL COST &gt;</b>						<b>\$ 24,169.26</b>
Insurance Premium .5% - Changed Work >						\$ 120.85
Bond Premium .75% - Changed Work >						\$ 181.27
<b>TOTAL LUMP SUM COST &gt;</b>						<b>\$ 24,471.37</b>



Work Change Directive  
 Project: City of Coeur d'Alene Tertiary Treatment Phase 2  
 Apollo Inc.

WCD No: 19 Rev 1  
 Item No: 1  
 Date: 10/8/19

Item Description: Chemical Bldg, Tank Level Readout; Overflow Prevention; Valves @ Drip pans

Description	Qty	U of M	Rate	Labor	Unit	Rate	Mat	Unit	Rate	Equip.	Subcont. Total	Total
<b>APOLLO - PROJECT SUPERVISION COSTS</b>												
Project Manager	2.0	HR	\$ 90.00	\$ 180.00								\$ 180.00
Project Superintendent	4.0	HR	\$ 79.56	\$ 318.24								\$ 318.24
Site Civil/Mech Superintendent	40.0	HR	\$ 68.08	\$ 2,723.20								\$ 2,723.20
<b>APOLLO - CRAFT LABOR COSTS</b>												
Pipefitter	100.0	HR	\$ 60.93	\$ 6,093.00								\$ 6,093.00
		HR	\$ 60.93	\$ -								\$ -
<b>APOLLO - MATERIAL COSTS</b>												
Pipe Materials (Harrington)							\$ 3,638.67					\$ 3,638.67
FRP Stands							\$ 300.00					\$ 300.00
Epoxy & Anchors							\$ 200.00					\$ 200.00
Misc. Materials							\$ 100.00					\$ 100.00
Apollo - Subtotal Direct Costs >				\$ 9,314.44			\$ 4,238.67			\$ -		\$ 13,553.11
Markup on Self-Performed Labor, Mat'ls & Equipment >	15.0%			\$ 1,397.17			\$ 635.80			\$ -		\$ 2,032.97
<b>SUBCONTRACTOR COSTS</b>												
Mountain States Electric	1										\$ 7,908.33	\$ 7,908.33
Subtotal Subcontractors Costs >											\$ 7,908.33	\$ 7,908.33
Markup on Subcontractor Costs >	5.0%										\$ 395.42	\$ 395.42
<b>SUPPLEMENTAL COSTS</b>												
Special Consultants											\$ -	\$ -
Subsistence for Project Supervision					HR	\$ 11.25	\$ -					\$ -
Temporary Facilities at the Site					LS		\$ -					\$ -
Small Tools	1.0				LS	\$ 279.43	\$ 279.43					\$ 279.43
Subtotal Supplementary Costs >							\$ 279.43				\$ -	\$ 279.43
Markup on Supplementary Costs >	0.0											

<b>Contractor - Total Direct Costs w/Markup &gt;</b>	<b>\$ 24,169.26</b>
Insurance Premium .5% - Changed Work >	\$ 120.85
Bond Premium .75% - Changed Work >	\$ 181.27
<b>TOTAL LUMP SUM COST &gt;</b>	<b>\$ 24,471.37</b>



**EXTRA WORK ORDER**

CUSTOMER: City of Coeur d'Alene	EWO:
ADDRESS: WCD #19	Job #: P 162
WORK ORDERED BY:	JOB NAME: CDA Tertiary Treatment Ph. 2
	DATE: DAY:

Description of Work: *Plus added values to drip pans. Add 9 valves and 1 strainer = \$1000 + 2 hrs per each.*

NAME	LABOR			EQUIPMENT USED	
	CLASS	ST	OT	DESCRIPTION	HOURS
Kevin Bunker	Supt	4			
Tony Delapena	Supt	40			
James Skultz	Fit	40			
Hector Pace	Fit	40			
adder					
James Skultz	Fit	20			
				TOTAL EQUIPMENT	

CONTRACT MATERIALS				SUBCONTRACTOR	
DESCRIPTION	QUANTITY	PRICE			
Misc consumables		\$100		MSE	
Epoxy and exchors		\$200			
FRP pipe stands		\$300			
Added valves + strainer		\$1000			
				TOTAL SUBCONTRACTOR	

OFFICE USE ONLY: COST SUMMARY					
				LABOR	
				MATERIALS	
				EQUIPMENT	
				TRUCK RENTAL/SUBCONTRACTOR	\$ -
				SUB-TOTAL	\$ -
				OH&P - LABOR	\$ -
				OH&P - EQUIPMENT	\$ -
				OH&P - MATERIALS	\$ -
				OH&P - TRUCK RENTAL/SUBCONTRACTOR	\$ -
TOTAL OUTSIDE MATERIALS				TOTAL AMOUNT	\$ -

*Kevin Bunker*  
Submitted by Apollo Representative

*Walter Sorocis June 27, '88*  
Authorized By Project Representative



Date of Issuance: 02/15/2018 Effective Date: 02/15/2018  
 Owner: City of Coeur d'Alene, ID Owner's Contract No.:  
 Contractor: Apollo Contractor's Project No.:  
 Engineer: HDR Engineer's Project No.: 10026247  
 Project: CDA Tertiary Phase 2 Improvements Contract Name:

**Contractor is directed to proceed promptly with the following change(s):**

Description:

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  - One (1) 45 degree elbow, to create a turndown at the outlet of the piping 1-inch from the sumps.
  - Composite Unistrut pipe support system and pipe clamps mounted to concrete pedestal and mounted with composite (non-metal) epoxy anchors to sealcoating. Composite unistrut and non-metal anchors with epoxy should be used to secure the piping and keep it off the floor.
  - ~~One (1) low head loss duck-bill valve (either Tedeflex or Red Valve) installed at the end of the line, or check valve.~~ *Not Installed per Engineer - Deleted*

Contractor shall confirm work activities daily with on-site RPR.

**Purpose for Work Change Directive:**

Directive to proceed promptly with the Work described herein, prior to agreeing to changes on Contract Price and Contract Time, is issued due to:

- Non-agreement on pricing of proposed change.
- Necessity to proceed for schedule or other Project reasons.

Invoice Number	Invoice Date	Terms
02188313	12/28/17	NET 60
Order Number	Customer PO Number	F.O.B. SHIPPING POINT
02184889	P100/CHEM SYS CDA T P10000	
Order Date	Ship Date	Ship Via
11/28/17	12/27/17	UPS GROUND



PLEASE REMIT TO:  
Harrington Industrial Plastics LLC  
PO BOX 5124  
18480 Yorba Ave  
Covina, CA 91708-5124  
TEL 909-997-8641  
FAX 909-997-9780

000589\*\*0003\*\*0000\*\*AUTO\*\*MIXED AADC 626

# INVOICE

Bill to: APOLLO INCORPORATED  
PO BOX 7305  
KENNEWICK WA 99336-0517

Ship to: TONY  
ALCULO INC JOBSITE  
CITY OF COEUR D'ALENE TERTIARY  
TREATMENT PH 2 IMPR  
765 W HUBBARD AVE  
COEUR D'ALENE, ID 83814

Customer No.	Territory	Freight Terms	Page #	Job No.
030452	212	CHRG INBOUND & OUTBOUND	1	CDA TERT

Product No./Description	WHSE	Order Quantity	Ship Quantity	Balance Due	List Price	Disc	Unit Price	Amount
030350445BD 3" EXPANSION JOINT 5 CONVLT PTFE DI FLG -H- 1" AXIAL 1/2" LAT	021	8	3	5	6		457.60	<del>3,672.80</del> 2,745.60
*1099 FITTINGS MISC #EJBOLTSET SS BOLT,NUT,WASHER FOR 3" EXP JOINT	021	8	8	0	6		56.50	<del>452.00</del> 351.00
*1099 FITTINGS MISC #EJBOLTSET SS BOLT,NUT FOR 6" EXPAN JOINT PRODUCT IS NON-RETURNABLE ITEMS MAY NOT BE CANCELLED	021	3	3	0			<del>72.31</del>	<del>216.93</del>

APOLLO, INC.  
DEC 29 2017  
RECEIVED

**WARRANTY DISCLAIMER:** Harrington Industrial Plastics LLC (Harrington) makes no express or implied warranties, including those of merchantability or fitness for a particular purpose, with regard to goods and products not manufactured by Harrington. With regard to products manufactured by Harrington, Harrington warrants only that such products will be free of defects in material and workmanship for a period of one year from shipment date. Harrington makes no other express or implied warranties with respect to such goods. Any description of goods on the face of this document is for the sole purpose of identifying them and does not constitute a warranty of any kind.  
**ENTIRE AGREEMENT:** The terms and conditions set forth in this invoice constitute the entire agreement between purchaser and Harrington and supersede any prior or contemporaneous representations or agreements, written or oral. No additional oral or written terms, including any attempts by purchaser to alter or modify this invoice or any other document relating to this sale, shall become a part of this agreement without the express written consent of Harrington.

Subtotal	<del>2,057.73</del> 3,096.60
Tax	0.00
Freight & Handling	55.56
Total Due	<del>2,113.29</del> 3,152.16



TAX # 344

Invoice Number	Invoice Date	Terms	NET 60
02188370	01/03/18	F.O.B. SHIPPING POINT	
Order Number	Customer PO Number		
02185202	P162 CHEM SYS CDA		
Order Date	Ship Date	Ship Via	
01/02/18	01/02/18	BEST WAY POSSIBLE	



PLEASE REMIT TO  
Harrington Industrial Plastics LLC  
PO BOX 5125  
14480 Yuba Ave  
Chico, CA 91708-5125  
TEL 909-597-8641  
FAX 909-597-0711

000010

INVOICE

Bill to: APOLLO INCORPORATED  
PO BOX 7305  
KENNEWICK WA 99338-0617

Ship to: TONY  
ALOLLO INC JOBSITE  
CITY OF COEUR D'ALENE TERTIARY  
TREATMENT PH 2 IMPR  
765 W HUBBARD AVE  
COEUR D'ALENE, ID 83814

Customer No	Territory	Freight Terms	Page #	Job No					
030452	212	CHARGE OUTBOUND ONLY	5						
Product No / Description	WHSE	Order Quantity	Ship Quantity	Balance Due	List Price	Disc	Unit Price	Amount	
1602030 3" VALVE BALL TUBV S PVC EPDM PTFE TYPE 21 230PSI	021	1	1	0			158.20	158.20	
1502030 3" VALVE BALL TUBV S PVC EPDM PTFE TYPE 21 230PSI	007	2	2	0			158.20	316.40	
817-030S 3" 45 ELBOW S PVC SCH80	021	6	6	0			14.18	85.08	
805-030S 3" 90 ELBOW S PVC SCH80	021	16	16	0			6.18	98.88	
801-030S 3" TEE S PVC SCH80	021	6	6	0			11.36	68.28	

49.44  
22.76

$\Delta \times 8$   
 $\Delta \times 2$

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ENTIRE AGREEMENT: The terms and conditions set forth in this invoice constitute the entire agreement between purchaser and Harrington and supersede all previous communications, representations or agreements, written or oral. No additional oral or written terms, including any addenda, by purchase order or any other document relating to this sale, shall become a part of this agreement without the express written consent of Harrington.

CONTINUED

Subtotal	CONTINUED
Tax	CONTINUED
Freight & Handling	CONTINUED
Total Due	CONTINUED

Invoice Number	Invoice Date	Terms	NET 60
02188175	12/14/17	F.O.B.	SHIPPING POINT
Order Number	Customer PO Number		
02185051	PHD-CHEM-SYS CDA-WT		
Order Date	Ship Date	Ship Via	
12/12/17	12/13/17	BEST WAY POSSIBLE	



PLEASE REMIT TO  
 Harrington Industrial Plastics LLC  
 PO BOX 5128  
 14491 Yorba Ave  
 Castro, CA 94526-5128  
 (415) 984-1928 ext 1  
 FAX 909-997-0741

000024

## INVOICE

Bill to: APOLLO INCORPORATED  
 PO BOX 7305  
 KENNEWICK WA 99330-0517

Ship to: TONY  
 ALOLLO INC JOBSITE  
 CITY OF COEUR D'ALENE TERTIARY  
 TREATMENT PH 2 IMPR  
 765 W HUBBARD AVE  
 COEUR D'ALENE, ID 83814

Customer No.	Territory	Freight Terms	Page #	Job No.				
030452	212	CHARGE OUTBOUND ONLY	4	CDA TERTIARY TREAT				
Product No./Description	WHSE	Order Quantity	Ship Quantity	Balance Due	List Price	Disc	Unit Price	Amount
820-060S 6" COUPLING S PVC SCH80	021	2	2	0			22.20	44.58
800-030 3" PIPE P/E PVC SCH80	021	120	120	0			2.85	342.00
801-015S 1-1/2" TEE S PVC SCH80	021	6	6	0			6.70	40.20
806-015S 1-1/2" 90 ELBOW S PVC SCH80	021	6	6	0			1.95	11.70
829-015S 1-1/2" COUPLING S PVC SCH80	021	6	6	0			2.73	16.38
836-015S 1-1/2" ADAPTER MPTxS PVC SCH80	021	6	6	0			4.47	26.82

114

x 40

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Subtotal	CONTINUED
Tax	CONTINUED
Freight & Handling	CONTINUED
Total Due	CONTINUED

CONTINUED



TANK # 5

Invoice Number	Invoice Date	Terms	NET 60
02188175	12/14/17	FOB	SHIPPING POINT
Order Number	Customer PO Number		
02185051	F02 CREM SYS COA WI		
Order Date	Ship Date	Ship Via	
12/12/17	12/13/17	BEST WAY POSSIBLE	



PLEASE REMIT TO  
 Harrington Industrial Plastics LLC  
 20200Y 5128  
 1480 Vista Ave  
 Chico, CA 95926-5128  
 TEL 530-937-8641  
 FAX 930-937-8741

000024

INVOICE

Bill to: APOLLO INCORPORATED  
 PO BOX 7305  
 KFNNEWICK WA 99336-0817

Ship to: TONY  
 ALOLO INC JOBSITE  
 CITY OF COEUR D'ALENE TERTIARY  
 TREATMENT PH 2 IMPR  
 765 W HUBBARD AVE  
 COEUR D'ALENE, ID 83814

Customer No	Territory	Freight Terms	Page #	Job No.					
030452	212	CHARGE OUTBOUND ONLY	10	COA TERTIARY TREAT					
Product No /Description	WISE	Order Quantity	Ship Quantity	Balance Due	List Price	Disc	Unit Price	Amount	
800C-005 1/2" PIPE P/E CPVC SCH80	021	100	100	0			0.93	93.00	
801C-030S 3" TEE S CPVC SCH80	021	3	3	0			24.11	72.33	24.11
806C-030S 3" 90 ELBOW S CPVC SCH80	021	3	3	0			18.54	55.62	92.7
829C-030S 3" COUPLING S CPVC SCH80	021	3	3	0			12.69	38.07	
835C-030S 3" ADAPTER SxMPT CPVC SCH80	021	3	3	0			33.45	100.35	
835C-030S 3" ADAPTER SxFPT CPVC SCH80	021	3	3	0			40.61	121.83	

x1 x5

**WARRANTY DISCLAIMER:** Harrington Industrial Plastics LLC (Harrington) makes no express or implied warranties, including those of merchantability or fitness for a particular purpose, with regard to goods and products not manufactured by Harrington. With regard to products manufactured by Harrington, Harrington warrants only that such products will be free of defects in material and workmanship for a period of one year from shipment date. Harrington makes no other express or implied warranties with respect to such goods. Any description of goods on the face of this document is for the sole purpose of identifying them and does not constitute a warranty of any kind.  
**ENTIRE AGREEMENT:** The terms and conditions set forth in this invoice constitute the entire agreement between purchaser and Harrington and supersede any prior or contemporaneous negotiations or agreements, oral or written, including any attempts by purchaser to alter or modify the goods or any other document relating to this sale, that become a part of this agreement without the express written consent of Harrington.

CONTINUED

Subtotal	CONTINUED
Tax	CONTINUED
Freight & Handling	CONTINUED
Total Due	CONTINUED



Invoice Number	Invoice Date	Terms	NET 60
02188175	12/14/17	F.O.B. SHIPPING POINT	
Order Number	Customer PO Number		
02185051	P192 CHEM SYS CDA WT		
Order Date	Ship Date	Ship Via	
12/12/17	12/13/17	BEST WAY POSSIBLE	



PLEASE REMIT TO:  
 Harrington Industrial Plastics LLC  
 PO BOX 5128  
 14400 Yorba Ave  
 Chino, CA 91708-5128  
 TEL 909-592-5644  
 FAX 909-592-6111

000024

# INVOICE

Bill to: APOLLO INCORPORATED  
 PO BOX 7305  
 KENNEWICK WA 99336-0017

Ship to: TONY  
 ALOLLO INC JOBSITE  
 CITY OF COEUR D'ALENE TERTIARY  
 TREATMENT PH 2 IMPR  
 765 W HUBBARD AVE  
 COEUR D'ALENE, ID 83814

Customer No.	Territory	Freight Terms	Page #	Job No.					
030452	212	CHARGE OUTBOUND ONLY	11	CDA TERTIARY TREAT					
Product No./Description	WHSE	Order Quantity	Ship Quantity	Balance Due	List Price	Disc	Unit Price	Amount	
8097C-030S 3" UNION 2000 S CPVC EPDM SCH80 2000 IND	021	3	3	0			47.94	143.82	
817C-030S 3" 45 ELBOW S CPVC SCH80	021	3	3	0			20.10	60.30	20.10
801C-020S 2" TEE S CPVC SCH80	021	3	3	0			9.47	28.41	
806C-020S 2" 90 ELBOW S CPVC SCH80	021	3	3	0			7.11	21.33	
829C-020S 2" COUPLING S CPVC SCH80	021	3	3	0			5.25	15.75	

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**ENTIRE AGREEMENT:** The terms and conditions set forth in this invoice constitute the entire agreement between purchaser and Harrington and approval may occur via purchase orders, purchase orders, or otherwise. No additional oral or written terms, including any conditions, shall be able to modify, take effect or apply other documents referring to this invoice and become a part of the agreement without the express written consent of Harrington.

CONTINUED

Subtotal	CONTINUED
Tax	CONTINUED
Freight & Handling	CONTINUED
Total Due	CONTINUED

Invoice Number	Invoice Date	Terms	NET 60
02188249	12/21/17	F.O.B.	SHIPPING POINT
Order Number	Customer PO Number		
02185051	PIBZCREM SYS CDA WT		
Order Date	Ship Date	Ship Via	
12/12/17	12/20/17	BEST WAY POSSIBLE	



PLEASE REMIT TO  
Harrington Industrial Plastics LLC  
PO BOX 5128  
3440 Yuba Ave  
Chico, CA 95926-5128  
TEL 909-293-8641  
FAX 909-297-0751

00004\*\*0003\*\*0003\*\*AUTO\*\*MIXED AADC 926

## INVOICE

Bill to: APOLLO INCORPORATED  
PO BOX 7305  
KENNEWICK WA 98336-0617

Ship to:

TONY  
ALOLLO INC JOBSITE  
CITY OF COEUR D'ALENE TERTIARY  
TREATMENT PH 2 IMPR  
765 W HUBBARD AVE  
COEUR D'ALENE, ID 83814

Customer No.	Territory	Freight Terms	Page #	Job No					
030452	212	CHARGE OUTBOUND ONLY	2	COA TERTIARY TREAT					
Product No./Description	WISEF	Order Quantity	Ship Quantity	Balance Due	List Price	Disc	Unit Price	Amount	
YS20100SE 1" Y-STRAINER S CPVC EPDM 1/32" PERF PLAST SCRIN	021	1	0	1			227.16	0.00	
803C-039 3" PIPE P/E CPVC SCH80	021	40	40	0			8.17	326.80	
34700901 SCREEN BUG FOR U-VENT	021	2	0	2			25.00	0.00	
								Subtotal	326.80
								Tax	9.61
								Freight & Handling	25.00
								Total Due	371.41

1163.4

20 LF

APOLLO INC  
DEC 28 2017  
RECEIVED

486.51

**WARRANTY DISCLAIMER:** Harrington Industrial Plastics LLC (Harrington) makes no express or implied warranties, including those of merchantability or fitness for a particular purpose, with regard to goods and products not manufactured by Harrington. With regard to products manufactured by Harrington, Harrington warrants only that such products will be free of defects in material and workmanship for a period of one year from shipment date. Harrington makes no other express or implied warranties with respect to such goods. Any description of goods on the face of this document is for the sole purpose of identifying them and does not constitute a warranty of any kind.  
**ENTIRE AGREEMENT:** The terms and conditions set forth in this invoice constitute the entire agreement between purchaser and Harrington and supersede any oral or contemporaneous representations or agreements, written or oral, made in any attempt by purchaser to alter or modify the value or any other document relating to the sale, shall become a part of this agreement without the express written consent of Harrington.



**TIME and MATERIAL COST**

Request No: 18

To: APOLLO

Date Of Proposal: 6/1/2018

Job #: 17-010

Regarding: WCD - 019

Job Name: CDA TERITARY TREATMENT PHASE 2

Attention: AMY JENNY / KEVIN BURKE

Work To Be Done:

PER WCD-019 SUPPLY AND INSTALL 3 OUTSIDE DISPLAYS AT CHEMICAL CENTER

**LABOR CLASSIFICATION**

	<u>RATES</u>			<u>HOURS</u>			<u>EXTENDED</u>
	STRAIGHT	OVERTIME	DBL TIME	STRAIGHT	OVERTIME	DOUBLE TIME	
FOREMAN	\$ 70.99	\$ 95.14	\$ 119.29	15.00			\$ 1,064.85
JOURNEYMAN	\$ 66.50	\$ 88.47	\$ 110.40	30.00			\$ 1,995.00
APPRENTICE	\$ 41.14	\$ 64.50	\$ 90.55	15.00			\$ 617.10
PROJECT MANAGER	\$ 85.00						\$ -
<b>LABOR SUB TOTAL</b>							<b>\$ 3,676.95</b>

**EQUIPMENT**

COST + 15%	<u>RATES</u>				QUANTITY	<u>EXTENDED</u>
	HOUR	DAY	WEEK	MONTH		
<b>TOOL SUB TOTAL</b>						<b>\$ -</b>

**MATERIAL**

COST + 15%	<u>EXTENDED</u>	
CONDUIT, WIRE, FITTINGS, SUPPORTS	\$ 1,707.29	
<b>MATERIAL SUB TOTAL</b>		<b>\$ 1,963.38</b>

**SUB-CONTRACTOR**

COST + 5%	<u>EXTENDED</u>	
CONTROL FREEK	\$ 2,160.00	
<b>SUB-CONTRACTOR SUB TOTAL</b>		<b>\$ 2,268.00</b>

**Total Proposed Change Order price: \$ 7,908.33**

Submitted By: DAVE PERRINS, Project Manager Date: 6/1/2018

Approved By: \_\_\_\_\_ Date: \_\_\_\_\_

Title \_\_\_\_\_



INSTRUMENTATION AND INDUSTRIAL CONTROL PANELS  
P.O. Box 142192  
SPOKANE VALLEY, WA 99214

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## CdA WWTP Tertiary Treatment Phase 2 Project

ATTN: Dave Perrins  
Mountain States Electric  
Phone: 509-532-0110  
Fax: 509-532-0113

### **This bid includes the following scope of work, per WCD-019:**

- Provide (3) Outdoor Rated LIT Readout Control Panels, LIT-570-03/04/05
  - Redlion Panel Meter, NEMA 4X Enclosure
- AutoCAD drawings of Control Panels
- UL508 Listing of Control Panels
- On-site System Testing of Supplied Control Panels

### **Not included:**

- Installation of provided equipment not mentioned above

### **NO Sales Tax Included**

**Terms:** NET 30 days from invoice date

**Lead Time:** 2 weeks after approved submittals, Subject to parts availability

**Warranty Period:** 1 Year from Delivery for Parts and Labor

**Service Charge:** If Buyer fails to make any payment when due, ControlFreek Inc reserves the right to suspend performance and Buyer agrees to pay a service charge on the amount past due at the rate of **1.5% per month** (18% per year).

**Non-Payment:** Buyer further agrees that, in the event ControlFreek Inc must refer Buyer's account for collection, Buyer will pay all costs of collection, service charges, attorney fees or other costs incurred by ControlFreek Inc in the course of collection, litigation or in any related action.

**Quote Valid for 60 Days from Bid Date.**

**Project Total Price \$2,160.00**

Thank you for this opportunity,

Adam Snyder  
Project Manager/Owner  
ControlFreek Inc.  
509-290-6500  
Fax: 866-381-3007

Report selections:	Job: 17010	Superintendent: ALL	From transaction date: Inception
	Phase: CO018	Estimator: ALL	To transaction date: 05/17/18
	Employee: ALL	Project manager: ALL	
	Job status: Active	Division: ALL	

**MOUNTAIN STATES ELECTRICAL  
Payroll Hours Analysis Report  
Phase Detail**

Job: 17010 CDA TERTIARY TREATMENT

Employee Code	Employee Name	Hours			Earnings			Burden Total
		Regular	Overtime	Total	Regular	Overtime	Total	
CO-018	WCD 19 -CHEM DISPLAYS							
EHDWAH	EHD0H WAH	30.00		30.00				
MCCPET	PETE MCCLURE	15.00		15.00				
SMITRA	TRAVIS W SMITH	15.00		15.00				
<b>Total for phase: CO-018</b>		<b>60.00</b>	<b>0.00</b>	<b>60.00</b>		<b>0.00</b>		
<b>Total for job: 17010</b>		<b>60.00</b>	<b>0.00</b>	<b>60.00</b>		<b>0.00</b>		
<b>Report totals:</b>		<b>60.00</b>	<b>0.00</b>	<b>60.00</b>		<b>0.00</b>		

WCD 020

CHEMICAL LINE PRESSURE SWITCH



December 27, 2018

Apollo, Inc.  
1133 West Columbia Drive  
Kennewick, WA 99336

Attn: Amy Jenne

Re: Coeur d'Alene Tertiary Treatment Phase 2 project  
WCD 020 – Chemical Line Pressure Switch  
Engineer's Decision

Amy,

We have reviewed your cost proposal for WCD 020 – Chemical Line Pressure Switch. We have found your submitted cost proposal to be acceptable.

A total cost of \$14,024.92 and a total of 0 calendar days will be included in the forthcoming final Change Order.

Sincerely,  
HDR Engineering, Inc.

A handwritten signature in blue ink, appearing to read 'Todd Jensen'.

Todd Jensen, PE, CCM  
*Construction Manager*

cc: Jim Remitz – City of Coeur d'Alene Wastewater Department  
Rickey Schultz – HDR  
Mike Soucie – HDR  
Mary Scalise – HDR



Date of Issuance: 02/23/2018      Effective Date: 02/23/2018  
 Owner: City of Coeur d'Alene, ID      Owner's Contract No.:  
 Contractor: Apollo      Contractor's Project No.:  
 Engineer: HDR      Engineer's Project No.: 10026247  
 Project: CDA Tertiary Phase 2 Improvements      Contract Name:

**Contractor is directed to proceed promptly with the following change(s):**

1. Delete flow switches FSL-570-31 and FSL-570-32 and associated threaded tees from the contract. Provide credit for not installing these items.
2. In lieu of a diaphragm seal for the PSH-570-31 and PSH-570-32 assemblies, provide annular seal. See specification information below.

**E. In-Line Isolation Sleeve (Annular Seal):**

1. Acceptable manufacturers:
  - a. Ametek.
  - b. Red Valve.
2. Materials: Match existing alum system components
  - a. Body:
  - b. Flanges: Match existing alum system components
  - c. Flexible liner: Match existing alum system components
3. Design and fabrication:
  - a. Provide full 360 degree annular pressure sensor with flexible in-line sleeve.
  - b. Sensor shall not restrict the process flow (non-intrusive).
  - c. Seal shall have ANSI Class 150 flanges.
  - d. Instrument connection: 0.25 IN female NPT.
  - e. Fill fluid:
    - 1) Utilize halocarbon fill for process applications involving strong oxidizing agents.
      - a) Agents include but are not limited to: Cl<sub>2</sub>, KMNO<sub>4</sub>, FeCl, NaOH, and NaOCl.
    - 2) Utilize manufacturer's standard fill for other applications.
      - a) Ensure fill is suitable for application temperatures.
  - f. Pressure rating: To meet requirements of      system

Contractor shall confirm work activities daily with on-site RPR.

**Purpose for Work Change Directive:**

Directive to proceed promptly with the Work described herein, prior to agreeing to changes on Contract Price and Contract Time, is issued due to:

- Non-agreement on pricing of proposed change.
- Necessity to proceed for schedule or other Project reasons.

**Estimated Change in Contract Price and Contract Times (non-binding, preliminary):**

Contract Price \$ TBD increase

Contract Time 0 days

**Basis of estimated change in Contract Price:**

- Lump Sum  Unit Price  
 Cost of the Work per Day  Other

**RECOMMENDED:**

**AUTHORIZED BY:**

**RECEIVED:**

By: 

By: 

By: 

Engineer (Authorized Signature)

Owner (Authorized Signature)

Contractor (Authorized Signature)

Title: Project Manager

Title: *Cap. Project Mgr.*

Title: *VP*

Date: 02/23/18

Date: *2-26-2018*

Date: *5/1/18*



**/// BUILDING PEOPLE WHO BUILD GREAT THINGS**

**Work Change Directive**  
**Project: City of Coeur d'Alene Tertiary Treatment Phase 2**  
**Apollo Inc.**

**WCD No:** 20

**Date:** 12/10/18

Description	Labor	Mat	Equip.	Subcont. Total	Supp Total	Total
Delete Flow Switches & Change Seal	\$ 7,974.61	\$ 2,021.24	\$ -	\$ 3,647.89	\$ 208.03	\$ 13,851.77
<b>SUBTOTAL COST &gt;</b>						<b>\$ 13,851.77</b>
Insurance Premium .5% - Changed Work >						\$ 69.26
Bond Premium .75% - Changed Work >						\$ 103.89
<b>TOTAL LUMP SUM COST &gt;</b>						<b>\$ 14,024.92</b>

Work Change Directive  
 Project: City of Coeur d'Alene Tertiary Treatment Phase 2  
 Apollo Inc.

WCD No: 20  
 Item No: 1  
 Date: 12/10/18

Item Description: Delete Flow Switches, change diaphragm seal to annular seal, relocate temp sensor on caustic line, add flexible joint to existing exterior chem tank

Description	Qty	U of M	Rate	Labor	Unit	Rate	Mat	Unit	Rate	Equip.	Subcont. Total	Total
<b>APOLLO - PROJECT SUPERVISION COSTS</b>												
Project Manager	2.0	HR	\$ 90.00	\$ 180.00								\$ 180.00
Project Superintendent	4.0	HR	\$ 79.56	\$ 318.24								\$ 318.24
Site Civil/Mech Superintendent	48.0	HR	\$ 68.08	\$ 3,267.84								\$ 3,267.84
<b>APOLLO - CRAFT LABOR COSTS</b>												
Pipefitter				\$ -								\$ -
Pipefitter	48.0	HR	\$ 60.93	\$ 2,924.64								\$ 2,924.64
Add flexible joint	4.0	HR	\$ 60.93	\$ 243.72								\$ 243.72
<b>APOLLO - MATERIAL COSTS</b>												
PVC Fittings	1.0					\$ 500.00	\$ 500.00					\$ 500.00
CPVC Valves	4.0					\$ 75.00	\$ 300.00					\$ 300.00
Added Shelf	1.0					\$ 200.00	\$ 200.00					\$ 200.00
Pipe Supports & Anchors	1.0					\$ 200.00	\$ 200.00					\$ 200.00
Expansion Joint	1.0					\$ 457.60	\$ 457.60					\$ 457.60
Misc. Materials	1.0					\$ 100.00	\$ 100.00					\$ 100.00
Apollo - Subtotal Direct Costs >				\$ 6,934.44			\$ 1,757.60			\$ -		\$ 8,692.04
Markup on Self-Performed Labor, Mat'ls & Equipment >	15.0%			\$ 1,040.17			\$ 263.64			\$ -		\$ 1,303.81
<b>SUBCONTRACTOR COSTS</b>												
Mountain States Electrical	1										\$ 3,474.18	\$ 3,474.18
Subtotal Subcontractors Costs >											\$ 3,474.18	\$ 3,474.18
Markup on Subcontractor Costs >	5.0%										\$ 173.71	\$ 173.71
<b>SUPPLEMENTAL COSTS</b>												
Special Consultants											\$ -	\$ -
Subsistence for Project Supervision					HR	\$ 11.25	\$ -					\$ -
Temporary Facilities at the Site					LS		\$ -					\$ -
Small Tools	1.0				LS	\$ 208.03	\$ 208.03					\$ 208.03
Subtotal Supplementary Costs >							\$ 208.03				\$ -	\$ 208.03
Markup on Supplementary Costs >	0.0											

Contractor - Total Direct Costs w/Markup >	\$ 13,851.77
Insurance Premium .5% - Changed Work >	\$ 69.26
Bond Premium .75% - Changed Work >	\$ 103.89
<b>TOTAL LUMP SUM COST &gt;</b>	<b>\$ 14,024.92</b>



**EXTRA WORK ORDER**

CUSTOMER: City of Coeur d'Alene	EWO:
ADDRESS: WCO #20	Job #: P 162
WORK ORDERED BY: City of CDA / HPR	JOB NAME: CDA Tertiary Treatment Ph. 2
	DATE: DAY:

Description of Work:

LABOR				EQUIPMENT USED	
NAME	CLASS	HOURS		DESCRIPTION	HOURS
		ST	OT		
Kevin Bunlee	Supt	4			
Tony Delepena	Supt	24			
James Shultz	Fit	24			
Hector Paez	Fit	24			
				TOTAL EQUIPMENT	
CONTRACT MATERIALS				SUBCONTRACTOR	
DESCRIPTION	QUANTITY	PRICE			
Misc PVC fitting		\$500		MSB/Control Freak	
consumables		\$100			
Added shelf		\$200			
Pipe supports and anchors		\$200			
4-3/4" PVC valves		\$300			
				TOTAL SUBCONTRACTOR	
				OFFICE USE ONLY: COST SUMMARY	
				LABOR	
				MATERIALS	
				EQUIPMENT	
				TRUCK RENTAL/SUBCONTRACTOR	\$ -
				SUB-TOTAL	\$ -
				OH&P - LABOR	\$ -
				OH&P - EQUIPMENT	\$ -
				OH&P - MATERIALS	\$ -
				OH&P - TRUCK RENTAL/SUBCONTRACTOR	\$ -
TOTAL OUTSIDE MATERIALS				TOTAL AMOUNT	\$ -

Submitted by Apollo Representative

Authorized By Project Representative





Invoice Number	Invoice Date	Terms	NET 80
02188313	12/28/17	F.O.B. SHIPPING POINT	
Order Number	Customer PO Number		
02184889	P100/CHEM SYS CDA T P10000		
Order Date	Ship Date	Ship Via	
11/28/17	12/27/17	UPS GROUND	



PLEASE REMIT TO:  
Harrington Industrial Plastics LLC  
PO BOX 5128  
1848 Yerba Ave  
Chico, CA 95708-5128  
TEL: 909-937-8611  
FAX: 909-937-0780

000589\*\*0003\*\*0000\*\*AUTO\*\*MIXED AADC 626

# INVOICE

Bill to: APOLLO INCORPORATED  
PO BOX 7305  
KENNEWICK WA 99336-0517

Ship to: TONY  
ALCULO INC JOBSITE  
CITY OF COEUR D'ALENE TERTIARY  
TREATMENT PH 2 IMPR  
765 W HUBBARD AVE  
COEUR D'ALENE, ID 83814

Customer No.	Territory	Freight Terms	Page #	Job No.
030452	212	CHRG INBOUND & OUTBOUND	1	CDA TERT

Product No./Description	WHSE	Order Quantity	Ship Quantity	Balance Due	List Price	Disc	Unit Price	Amount
0300504458D 3" EXPANSION JOINT 5 CONVLT PTFE DI FLG 4X 1" AXIAL 1/2" LAT	021	8	3	5	6		457.60	<del>3,672.80</del> 2,745.60
*1099 FITTINGS MISC #EJBOLTSET SS BOLT,NUT,WASHER FOR 3" EXP JOINT	021	8	8	0	6		58.50	<del>468.00</del> 351.00
*1099 FITTINGS MISC #EJBOLTSET SS BOLT,NUT FOR 6" EXPAN JOINT PRODUCT IS NON-RETURNABLE ITEMS MAY NOT BE CANCELLED	021	3	3	0			<del>72.31</del>	210.60

APOLLO, INC.  
DEC 29 2017  
RECEIVED

<small>WARRANTY DISCLAIMER: Harrington Industrial Plastics LLC (Harrington) makes no express or implied warranties, including those of merchantability or fitness for a particular purpose, with regard to goods and products not manufactured by Harrington. With regard to products manufactured by Harrington, Harrington warrants only that such products will be free of defects in material and workmanship for a period of one year from shipment date. Harrington makes no other express or implied warranties with respect to such goods. Any description of goods on the face of this document is for the sole purpose of identifying them and does not constitute a warranty of any kind. ENTIRE AGREEMENT: The terms and conditions set forth in this invoice constitute the entire agreement between purchaser and Harrington and supersede any prior or contemporaneous representations or agreements, written or oral. No additional oral or written terms, including any attempts by purchaser to alter or modify this invoice or any other document relating to this sale, shall become a part of this agreement without the express written consent of Harrington.</small>	Subtotal	<del>4,140.80</del> 3,096.60
	Tax	0.00
	Freight & Handling	55.56
	Total Due	<del>4,140.80</del> 3,152.16





**TIME and MATERIAL COST**

Request No: 26

To: APOLLO

Date Of Proposal: 8/6/2018

Job #: 17-010

Regarding: CAUSTIC PUMP

Job Name: CDA TERITARY TREATMENT PHASE 2

Attention: AMY JENNY / KEVIN BURKE

Work To Be Done: \_\_\_\_\_

COST IMPACT TO RELOCATE TEMPERATURE SENSOR AND TRANSMITTER  
WORK ASSOCIATED WITH CAUSTIC PUMP

**LABOR CLASSIFICATION**

	<u>RATES</u>			<u>HOURS</u>			<u>EXTENDED</u>
	STRAIGHT	OVERTIME	DBL TIME	STRAIGHT	OVERTIME	DOUBLE TIME	
FOREMAN	\$ 70.99	\$ 95.14	\$ 119.29	11.00			\$ 780.89
JOURNEYMAN	\$ 66.50	\$ 88.47	\$ 110.40				\$ -
APPRENTICE	\$ 41.14	\$ 64.50	\$ 90.55	9.00			\$ 370.26
PROJECT MANAGER	\$ 85.00						\$ -

LABOR SUB TOTAL \$ **1,151.15**

**EQUIPMENT**

COST + 15%	<u>RATES</u>				<u>EXTENDED</u>
	HOUR	DAY	WEEK	MONTH	

TOOL SUB TOTAL \$ -

**MATERIAL**

COST + 15%	<u>EXTENDED</u>
WIRE	\$ 35.20

MATERIAL SUB TOTAL \$ **40.48**

**SUB-CONTRACTOR**

COST + 5%	<u>EXTENDED</u>

SUB-CONTRACTOR SUB TOTAL \$ -

**Total Proposed Change Order price: \$ 1,191.63**

Submitted By: DAVE PERRINS, Project Manager Date: 8/6/2018

Approved By: \_\_\_\_\_ Date: \_\_\_\_\_

Title \_\_\_\_\_

<b>Report selections:</b>	<b>Job:</b> 17010	<b>Superintendent:</b> ALL	<b>From transaction date:</b> Inception
	<b>Phase:</b> CO026	<b>Estimator:</b> ALL	<b>To transaction date:</b> 08/07/18
	<b>Employee:</b> ALL	<b>Project manager:</b> ALL	
	<b>Job status:</b> Active	<b>Division:</b> ALL	

**MOUNTAIN STATES ELECTRICAL  
Payroll Hours Analysis Report  
Phase Detail**

**Job: 17010 CDA TERTIARY TREATMENT**

Employee Code	Employee Name	Hours			Earnings			Burden Total
		Regular	Overtime	Total	Regular	Overtime	Total	
CO-026	CHEM CENTER TIT/TSH REWOR							
MCCPET	PETE MCCLURE	11.00		11.00	674.78		674.78	272.40
SMITRA	TRAVIS W SMITH	9.00		9.00	267.20		267.20	117.53
<b>Total for phase: CO-026</b>		<b>20.00</b>	<b>0.00</b>	<b>20.00</b>	<b>941.98</b>	<b>0.00</b>	<b>941.98</b>	<b>389.93</b>
<b>Total for job: 17010</b>		<b>20.00</b>	<b>0.00</b>	<b>20.00</b>	<b>941.98</b>	<b>0.00</b>	<b>941.98</b>	<b>389.93</b>
<b>Report totals:</b>		<b>20.00</b>	<b>0.00</b>	<b>20.00</b>	<b>941.98</b>	<b>0.00</b>	<b>941.98</b>	<b>389.93</b>





**TIME and MATERIAL COST**

Request No: 16

To: APOLLO

Date Of Proposal: 6/1/2018

Job #: 17-010

Regarding: WCD 20

Job Name: CDA TERITARY TREATMENT PHASE 2

Attention: AMY JENNY / KEVIN BURKE

Work To Be Done:

PER WCD-20 - COST IMPACT TO FURNISH INSTRUMENTS WITH ANNULAR SEALS AS DIRECTED.

**LABOR CLASSIFICATION**

	<u>RATES</u>			<u>HOURS</u>			<u>EXTENDED</u>
	STRAIGHT	OVERTIME	DBL TIME	STRAIGHT	OVERTIME	DOUBLE TIME	
FOREMAN	\$ 70.99	\$ 95.14	\$ 119.29	1.00			\$ 70.99
JOURNEYMAN	\$ 66.50	\$ 88.47	\$ 110.40				\$ -
APPRENTICE	\$ 41.14	\$ 64.50	\$ 90.55	4.00			\$ 164.56
PROJECT MANAGER	\$ 85.00						\$ -
<b>LABOR SUB TOTAL</b>							<b>\$ 235.55</b>

**EQUIPMENT**

COST + 15%	<u>RATES</u>				QUANTITY	<u>EXTENDED</u>
	HOUR	DAY	WEEK	MONTH		
<b>TOOL SUB TOTAL</b>						<b>\$ -</b>

**MATERIAL**

COST + 15%	<u>EXTENDED</u>	
<b>MATERIAL SUB TOTAL</b>		<b>\$ -</b>

**SUB-CONTRACTOR**

COST + 15%	<u>EXTENDED</u>	
CONTROL FREEK	\$ 1,780.00	
<b>SUB-CONTRACTOR SUB TOTAL</b>		<b>\$ 2,047.00</b>

**Total Proposed Change Order price: \$ 2,282.55**

Submitted By: DAVE PERRINS, Project Manager Date: 6/1/2018

Approved By: \_\_\_\_\_ Date: \_\_\_\_\_

Title \_\_\_\_\_



INSTRUMENTATION AND INDUSTRIAL CONTROL PANELS  
P.O. Box 142192  
SPOKANE VALLEY, WA 99214

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## CdA WWTP Tertiary Treatment Phase 2 Project

ATTN: Dave Perrins  
Mountain States Electric  
Phone: 509-532-0110  
Fax: 509-532-0113

### **This bid includes the following scope of work, per WCD-020:**

- Provide (2) 1" Annular Seals with sealed pressure assemblies

### **Not included:**

- Installation of provided equipment not mentioned above

### **NO Sales Tax Included**

**Terms:** NET 30 days from invoice date

**Lead Time:** 2 weeks after approved submittals, Subject to parts availability

**Warranty Period:** 1 Year from Delivery for Parts and Labor

**Service Charge:** If Buyer fails to make any payment when due, ControlFreek Inc reserves the right to suspend performance and Buyer agrees to pay a service charge on the amount past due at the rate of **1.5% per month** (18% per year).

**Non-Payment:** Buyer further agrees that, in the event ControlFreek Inc must refer Buyer's account for collection, Buyer will pay all costs of collection, service charges, attorney fees or other costs incurred by ControlFreek Inc in the course of collection, litigation or in any related action.

**Quote Valid for 60 Days from Bid Date.**

**Project Total Price \$1,780.00**

Thank you for this opportunity,

Adam Snyder  
Project Manager/Owner  
ControlFreek Inc.  
509-290-6500  
Fax: 866-381-3007

Report selections:	Job: 17010	Superintendent: ALL	From transaction date: Inception
	Phase: CO016	Estimator: ALL	To transaction date: 05/17/18
	Employee: ALL	Project manager: ALL	
	Job status: Active	Division: ALL	

**MOUNTAIN STATES ELECTRICAL  
Payroll Hours Analysis Report  
Phase Detail**

Job: 17010 CDA TERTIARY TREATMENT

Employee Code	Employee Name	Hours			Earnings			Burden Total
		Regular	Overtime	Total	Regular	Overtime	Total	
CO-016	WCD 20 ANNUJAR SEALS							
SMITRA	TRAVIS W SMITH	4:00		4:00				
	<b>Total for phase: CO-016</b>	<b>4.00</b>	<b>0.00</b>	<b>4.00</b>		<b>0.00</b>		
	<b>Total for job: 17010</b>	<b>4.00</b>	<b>0.00</b>	<b>4.00</b>		<b>0.00</b>		
	<b>Report totals:</b>	<b>4.00</b>	<b>0.00</b>	<b>4.00</b>		<b>0.00</b>		

**From:** [Dave Perrins](#)  
**To:** [Amy Jenne](#)  
**Subject:** RE: CDA Tertiary WCD20  
**Date:** Tuesday, August 7, 2018 5:47:44 PM

---

Amy – I spoke to Control Freak about a credit.

At the time this WCD was issued, the Flow Switches were already on site.  
I will have Pete track them down so they can be turned over as spares to the owner.

Thank you

***Dave Perrins***

---

**From:** Amy Jenne [mailto:[amy.jenne@apollo-gc.com](mailto:amy.jenne@apollo-gc.com)]  
**Sent:** Monday, July 30, 2018 3:14 PM  
**To:** Dave Perrins <[dave@mntst.com](mailto:dave@mntst.com)>  
**Subject:** CDA Tertiary WCD20

Hi Dave,

I do not see on the attached pricing for WCD 20 where you have provided a credit for the flow switches that were deleted. Please take a look and get back to me. Thanks.

*Amy Jenne*

Vice President

Apollo, Inc.

1-509-987-1417 direct phone



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WCD 021

FLAMMABLE LIQUIDS STORAGE SHED SLAB



June 24, 2019

Apollo, Inc.  
1133 West Columbia Drive  
Kennewick, WA 99336

Attn: Amy Jenne

Re: Coeur d'Alene Tertiary Treatment Phase 2 project  
WCD 021 – Flammable Liquids Storage Shed Support Slab  
Engineer's Decision

Amy,

We have reviewed your cost proposal for WCD 021 – Flammable Liquids Storage Shed Support Slab. We have found your submitted cost proposal to be acceptable.

A total cost of \$10,159.40 and a total of 0 calendar days will be included in the forthcoming final Change Order.

Sincerely,  
HDR Engineering, Inc.

A handwritten signature in blue ink, appearing to read 'Todd Jensen'.

Todd Jensen, PE, CCM  
*Construction Manager*

cc: Jim Remitz – City of Coeur d'Alene Wastewater Department  
Rickey Schultz – HDR  
Mike Soucie – HDR  
Mary Scalise – HDR



**/// BUILDING PEOPLE WHO BUILD GREAT THINGS**

**Work Change Directive**  
 Project: City of Coeur d'Alene Tertiary Treatment Phase 2  
 Apollo Inc.

WCD No: 21  
 Date: 06/17/19

Description	Labor	Mat	Equip.	Subcont. Total	Supp Total	Total
Flammable Liquids Storage Shed Support Slab	\$ 5,653.70	\$ 2,689.32	\$ 842.15	\$ 406.35	\$ 442.46	\$ 10,033.98
<b>SUBTOTAL COST &gt;</b>						<b>\$ 10,033.98</b>
Insurance Premium .5% - Changed Work >						\$ 50.17
Bond Premium .75% - Changed Work >						\$ 75.25
<b>TOTAL LUMP SUM COST &gt;</b>						<b>\$ 10,159.40</b>

Work Change Directive  
 Project: City of Coeur d'Alene Tertiary Treatment Phase 2  
 Apollo Inc.

WCD No: 21  
 Item No: 1  
 Date: 6/17/19

Item Description: Flammable Liquids Storage Shed Support Slab


Description	Qty	U of M	Rate	Labor	Unit	Rate	Mat	Unit	Rate	Equip.	Subcont. Total	Total
<b>APOLLO - PROJECT SUPERVISION COSTS</b>												
Project Manager	8.0	HR	\$ 90.00	\$ 720.00								\$ 720.00
Project Superintendent	28.0	HR	\$ 79.56	\$ 2,227.68								\$ 2,227.68
Site Civil Superintendent	8.0	HR	\$ 68.08	\$ 544.64								\$ 544.64
<b>APOLLO - CRAFT LABOR COSTS</b>												
<b>Carpenters</b>												
Carpenters	10.0	HR	\$ 38.37	\$ 383.70								\$ 383.70
<b>Laborers</b>												
General	25.0	HR	\$ 34.36	\$ 859.00								\$ 859.00
<b>Surveyor</b>												
Surveyor	4.0	HR	\$ 45.31	\$ 181.24								\$ 181.24
<b>APOLLO - OPERATED EQUIPMENT</b>												
<b>Backhoe - CAT 416C IT</b>												
<b>Loader - CAT 950H</b>												
+ Operator		HR	\$ 45.84	\$ -								\$ -
+ Operating Costs	10.0							HRLY	\$ 73.23	\$ 732.30		\$ 732.30
<b>APOLLO - MATERIAL COSTS</b>												
Concrete	1.0				LS	\$ 2,338.54	\$ 2,338.54					\$ 2,338.54
							\$ -					\$ -
							\$ -					\$ -
Apollo - Subtotal Direct Costs >				\$ 4,916.26			\$ 2,338.54			\$ 732.30		\$ 7,987.10
Markup on Self-Performed Labor, Mat'l's & Equipment >	15.0%			\$ 737.44			\$ 350.78			\$ 109.85		\$ 1,198.07
<b>SUBCONTRACTOR COSTS</b>												
Tri-States Rebar	1										\$ 387.00	\$ 387.00
											\$ -	\$ -
Subtotal Subcontractors Costs >											\$ 387.00	\$ 387.00
Markup on Subcontractor Costs >	5.0%										\$ 19.35	\$ 19.35
<b>SUPPLEMENTAL COSTS</b>												
Special Consultants											\$ -	\$ -
Subsistence for Project Supervision					HR	\$ 11.25	\$ -					\$ -
Temporary Facilities at the Site					LS		\$ -					\$ -
Small Tools	3.0				LS	\$ 442.46	\$ 442.46					\$ 442.46
Subtotal Supplementary Costs >							\$ 442.46				\$ -	\$ 442.46
Markup on Supplementary Costs >	0.0											

Contractor - Total Direct Costs w/Markup >	\$ 10,033.98
Insurance Premium .5% - Changed Work >	\$ 50.17
Bond Premium .75% - Changed Work >	\$ 75.25
<b>TOTAL LUMP SUM COST &gt;</b>	<b>\$ 10,159.40</b>





# WCD #21 Flammable liquids storage shed slab

Grade	Craig - 6 hrs ✓ Lator 8 hrs ✓
conduit ex & back fill	CS 2 hrs ✓ Lator 4 hrs ✓
MSE	
Install expansion	KB 2 hrs ✓ corp 4 hrs ✓ \$100
Form	corp 6 hrs ✓ \$100
Rebar - supply & install	KB 4 hrs ✓ FW 6 hrs \$400
Concrete place & finish & cure	KB 2 hrs ✓ Lator 15 hrs ✓ 8 cu yds
Site control, change elevations Coordination of changes	KB 4 hrs ✓ 1 KB 20 hrs ✓
Move box?	

*W/ike Services*

5-21-2019



8849 W Wyoming Rd  
Ratonsun, ID 83858

Apollo Inc.-East  
PO Box 7305  
Kannavick WA 99336

incsp@apollo-gc.com

Customer No: 10058  
Invoice No: 329578  
Inv Date: 05/21/18  
Page: Page 1 of 1  
Customer PO: 0  
Customer Job: 0

Interstate Concrete & Asphalt  
8849 W Wyoming Rd  
Ratonsun, ID 83858  
208-785-1144

Delivered To: HUBBARD AVE(ICA) WWTP PROJECT

Ordered By: KEVIN

Date	Code - Material Description	QTY	UM	Unit Price	Haul QTY	Mat Total	Haul Total	Tax	Total
Plant: 65709 ICA-CDA-Wyoming Rd/Rath Concret									
05/21/18	30058 - 8 IN 50' EXTERIOR	22.00	CY	85.55	0.00	1,882.00	0.00	152.46	2,034.46
05/21/18	48733 - FUEL SURCHARGE	3.00	EA	3.00	0.00	9.00	0.00	3.00	9.00
05/21/18	48700 - ENVIRONMENTAL SURCHARGE	22.35	EA	3.00	0.00	66.00	0.00	3.88	66.00
05/21/18	49025 - HYDRATION STABILIZER	15.00	CY	5.00	0.00	55.00	3.00	3.30	58.30
05/21/18	88007 - BUCKEYE - MORD FIBER	12.00	CY	6.00	0.00	72.00	3.36	4.32	76.32
05/21/18	88007 - 88007 FIBER PER YARD	21.00	CY	5.00	0.00	105.00	0.00	7.56	112.56
Total Invoiced:		93.00				2,209.00	6.00	128.64	2,338.54

Ticket number(s) shipped from plant 65709 - ICA-CDA-Wyoming Rd/Rath Concret.

\*3475565 \*3475579 \*3475594

**Invoice Taxing Authority Summary:**

00000 Idaho State Tax 128.64

Our Customer Portal is now available! Register at [MYMATTERIALSPORTAL.COM](http://MYMATTERIALSPORTAL.COM) or call accounts receivable at (609) 634-6221 for assistance.

Finance Charges will be applied to any late invoices at a rate of 1.5% per month per credit agreement or the State's Lawful Amount.

Invoice Amount: 2,338.54

Amount Paid: \_\_\_\_\_

Customer Name: Apollo Inc.-East  
Customer No: 10058  
Invoice #: 329578  
Date: 05/21/18  
Customer Job: 0  
Customer PO: 0  
Due Date: 06/13/18

If you have any questions about your invoice please call 208-785-1144

Resmit Payment To: Interstate Concrete & Asphalt  
P.O. Box 742347  
Los Angeles, CA 90874

Please provide your email address below if you would like to start receiving your invoices via email

\_\_\_\_\_



**From:** [Jeff Ilenstine](#)  
**To:** [Amy Jenne](#); [Kevin Burke](#)  
**Cc:** [Cory Bond](#)  
**Subject:** RE: WCD-21 SOG pad rebar  
**Date:** Wednesday, May 9, 2018 9:45:53 AM

---

Amy, there are actually 2 items for change order and I'll get them both here.

1. Kevin changed a piece of precast to CIP, adding 519 #'s. Furnish & Install = \$493.
2. Kevin just gave us a new slab, 9'-8" x 18'-11". Furnish & Install = \$387.

Let me know if you need anything else.

Thanks,

Jeff

**Jeff Ilenstine**  
President  
Tri States Rebar, Inc.  
(509) 922-5901

---

**From:** Amy Jenne [mailto:[amy.jenne@apollo-gc.com](mailto:amy.jenne@apollo-gc.com)]  
**Sent:** Wednesday, May 09, 2018 9:20 AM  
**To:** Kevin Burke; Jeff Ilenstine  
**Cc:** Cory Bond  
**Subject:** RE: WCD-21 SOG pad rebar

Jeff,

Let me know what your quote is for this so I can get a change order out.

Thanks.

Amy

---

**From:** Kevin Burke  
**Sent:** Tuesday, May 8, 2018 5:50 PM  
**To:** Jeff Ilenstine <[jeffi@tristatesrebar.com](mailto:jeffi@tristatesrebar.com)>  
**Cc:** Amy Jenne <[amy.jenne@apollo-gc.com](mailto:amy.jenne@apollo-gc.com)>; Cory Bond <[cbond@apollo-gc.com](mailto:cbond@apollo-gc.com)>  
**Subject:** WCD-21 SOG pad rebar

Jeff,

Attached is WCD-21. It adds a 6" SOG pad with 1 mat of #5 rebar at 12" centers. The pad dimensions are 9'8" by 18'11 1/2". Please produce this package and send out for placement early next week. This is changed work.

Kevin Burke  
General Superintendent  
Cell (509) 947-4607

[kburke@apollo-gc.com](mailto:kburke@apollo-gc.com)



...Building People Who Build Great Things

---

1133 W Columbia Dr Kennewick WA 99336  
(509) 586-1104 [www.apollo-gc.com](http://www.apollo-gc.com)

**From:** Scan

**Sent:** Tuesday, May 8, 2018 6:08 PM

**To:** Kevin Burke <[kburke@apollo-gc.com](mailto:kburke@apollo-gc.com)>

**Subject:** Attached Image

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Date of Issuance: March 27, 2018      Effective Date: March 27, 2018  
 Owner: City of Coeur d'Alene, ID      Owner's Contract No.:  
 Contractor: Apollo      Contractor's Project No.:  
 Engineer: HDR      Engineer's Project No.: 10026247  
 Project: CDA Tertiary Phase 2 Improvements      Contract Name:

**Contractor is directed to proceed promptly with the following change(s):**Description:

Provide a Flammable Liquids Storage Shed Support Slab

1. Place a concrete slab which abuts to the south side of SCB #2 and the retaining wall to the east.
2. Align the storage shed <sup>Back from</sup> with the west side of the building and provide two feet of separation of the storage shed from the south side of the building. Storage shed spacing from the retaining wall shall be determined from the west side alignment of the two structures which will be approximately 5 feet.
3. The slab shall extend at least 6-inches from the edge of the shed on the west and south sides.
4. The slab bottom elevation shall be placed at the same prepared elevation and on the same base as the adjacent new asphalt per Keynote 1 on Drawing 001C205. The will provide for 3-inches of reveal above the asphalt as the slab is 6-inches thick and the asphalt is 3-inches thick.
5. Contractor shall confirm work activities daily with on-site RPR.

Attachments:

1. Drawing

**Purpose for Work Change Directive:**

Directive to proceed promptly with the Work described herein, prior to agreeing to changes on Contract Price and Contract Time, is issued due to:

- Non-agreement on pricing of proposed change.  
 Necessity to proceed for schedule or other Project reasons.

**Estimated Change in Contract Price and Contract Times (non-binding, preliminary):**

Contract Price \$ TBD      increase  
 Contract Time 0      days      [increase] [decrease].

**Basis of estimated change in Contract Price:**

- Lump Sum       Unit Price  
 Cost of the Work per Day       Other

**RECOMMENDED:****AUTHORIZED BY:****RECEIVED:**

By: 	By: 	By: 
Engineer (Authorized Signature)	Owner (Authorized Signature)	Contractor (Authorized Signature)
Title: Project Manager	Title: Cap. Prog. MGR.	Title: VP
Date: 03/27/2018	Date: 3-27-2018	Date: 3/27/18

WCD 022

MEMBRANE BASIN T-6101-21 REPAIRS



June 18, 2018

Apollo, Inc.  
1133 West Columbia Drive  
Kennewick, WA 99336

Attn: Amy Jenne

Re: Coeur d'Alene Tertiary Treatment Phase 2 project  
WCD 022 – Leak Repair to Membrane Basin Slide Gate T-6101-21  
Engineer's Decision

Amy,

We have reviewed your cost proposal for WCD 022 – Leak Repair to Membrane Basin Slide Gate T-6101-21. We have found your submitted cost proposal to be acceptable.

A total cost of \$14,131.09 and a total of 0 calendar days will be included in the forthcoming final Change Order.

Sincerely,  
HDR Engineering, Inc.

A handwritten signature in blue ink, appearing to read 'Todd Jensen'.

Todd Jensen, PE, CCM  
*Construction Manager*

cc: Jim Remitz – City of Coeur d'Alene Wastewater Department  
Rickey Schultz – HDR  
Mike Soucie – HDR  
Mary Scalise – HDR

Date of Issuance: March 27, 2018                      Effective Date:                      March 27, 2018  
Owner:        City of Coeur d'Alene, ID                      Owner's Contract No.:  
Contractor: Apollo    Contractor's Project No.:  
Engineer:    HDR    Engineer's Project No.:    10026247  
Project:      CDA Tertiary Phase 2 Improvements        Contract Name:

**Contractor is directed to proceed promptly with the following change(s):**

Description:

Provide leak repair to existing Membrane Basin slide gate T-6101-21 and miscellaneous related work requested by Owner.

1. On SLG-6101-21 adjust rubber seats to stop leaking.
2. Provide termination groove and caulking for existing coating failure at gate frame.
3. Move existing membrane cassettes for cleaning.
4. Remove and reinstall all FRP decking and piping associated with basins T-6101-21 and T-6101-26.
5. Install neoprene rubber strips to cover all perimeter edges of the new FRP decking, piping cutouts, hatch spaces, and gate cutouts to protect the membrane basins from any potential debris.
6. Contractor shall proceed in a timely matter to protect all new membranes from potential damage due to debris.
7. Use the existing basins as a model for the new protective neoprene work, both in size and attachment methods.
8. This new work shall include any repairs needed on basins T-6101-21 and -22 resulting from new work damage to existing material.
9. Install a new union on the 3-inch schedule 80 PVC MSA piping in basins T-6101-21 and -22. Locate this new union approximately 6-inches above the FRP decking as per Suez's design with the new basins and as discussed with the Owner. This will facilitate membrane cassette removal.
10. Contractor shall confirm work activities daily with on-site RPR.

Attachments:

**Purpose for Work Change Directive:**

Directive to proceed promptly with the Work described herein, prior to agreeing to changes on Contract Price and Contract Time, is issued due to:

- Non-agreement on pricing of proposed change.  
 Necessity to proceed for schedule or other Project reasons.

**Estimated Change in Contract Price and Contract Times (non-binding, preliminary):**

Contract Price \$ TBD increase  
 Contract Time 0 days [increase] [decrease].

**Basis of estimated change in Contract Price:**

- Lump Sum  Unit Price  
 Cost of the Work per Day  Other

**RECOMMENDED:****AUTHORIZED BY:****RECEIVED:**

By: 

By: 

By: 

Engineer (Authorized Signature)

Owner (Authorized Signature)

Contractor (Authorized Signature)

Title: Project Manager

Title: CAP. PROGRAM MGR

Title: VP

Date: 03/27/2018

Date: 3-27-2018

Date: 3/27/18





**/// BUILDING PEOPLE WHO BUILD GREAT THINGS**

**Work Change Directive**  
**Project: City of Coeur d'Alene Tertiary Treatment Phase 2**  
**Apollo Inc.**

**WCD No:** 22

**Date:** 06/12/18

Description	Labor	Mat	Equip.	Subcont. Total	Supp Total	Total
Repair leak to slide gate T-6101-21	\$ 9,449.65	\$ 2,097.40	\$ 2,163.06	\$ -	\$ 246.51	\$ 13,956.63
<b>SUBTOTAL COST &gt;</b>						<b>\$ 13,956.63</b>
Insurance Premium .5% - Changed Work >						\$ 69.78
Bond Premium .75% - Changed Work >						\$ 104.67
<b>TOTAL LUMP SUM COST &gt;</b>						<b>\$ 14,131.09</b>

Work Change Directive  
 Project: City of Coeur d'Alene Tertiary Treatment Phase 2  
 Apollo Inc.

WCD No: 22  
 Item No: 1  
 Date: 6/12/18

Item Description: Leak repair to Membrane Basin Slide Gate T-6101-21

Description	Qty	U of M	Rate	Labor	Unit	Rate	Mat	Unit	Rate	Equip.	Subcont. Total	Total
<b>APOLLO - PROJECT SUPERVISION COSTS</b>												
Project Manager	2.0	HR	\$ 90.00	\$ 180.00								\$ 180.00
Project Superintendent	20.0	HR	\$ 79.56	\$ 1,591.20								\$ 1,591.20
Site Civil/Piping Superintendent	18.0	HR	\$ 68.08	\$ 1,225.44								\$ 1,225.44
<b>APOLLO - CRAFT LABOR COSTS</b>												
<b>Carpenters</b>												
Carpenter	117.0	HR	\$ 38.37	\$ 4,489.29								\$ 4,489.29
<b>Pipefitter</b>												
Pipefitter	12.0	HR	\$ 60.93	\$ 731.16								\$ 731.16
<b>APOLLO - OPERATED EQUIPMENT</b>												
<b>Crane - Manitowoc 222</b>												
+ Operator	0.0	HR	\$ 47.41	\$ -								\$ -
+ Operating Costs	22.0							HRLY	\$ 71.10	\$ 1,564.20		\$ 1,564.20
<b>Forklift - CAT TH83</b>												
+ Operator		HR	\$ 45.84	\$ -								\$ -
+ Operating Costs	8.0							HRLY	\$ 39.59	\$ 316.72		\$ 316.72
<b>APOLLO - MATERIAL COSTS</b>												
Sheet Rubber	1.0				LS	\$ 1,038.12	\$ 1,038.12					\$ 1,038.12
Misc. Screws, etc	1.0				LS	\$ 421.93	\$ 421.93					\$ 421.93
Pipe parts	1.0				EA	\$ 363.78	\$ 363.78					\$ 363.78
Apollo - Subtotal Direct Costs >				\$ 8,217.09			\$ 1,823.83			\$ 1,880.92		\$ 11,921.84
Markup on Self-Performed Labor, Mat'ls & Equipment >	15.0%			\$ 1,232.56			\$ 273.57			\$ 282.14		\$ 1,788.28
<b>SUPPLEMENTAL COSTS</b>												
Special Consultants											\$ -	\$ -
Subsistence for Project Supervision					HR	\$ 11.25	\$ -					\$ -
Temporary Facilities at the Site					LS	\$ -	\$ -					\$ -
Small Tools	1.0				LS	\$ 246.51	\$ 246.51					\$ 246.51
Subtotal Supplementary Costs >						\$ 246.51					\$ -	\$ 246.51
Markup on Supplementary Costs >	0.0											

Contractor - Total Direct Costs w/Markup > \$ 13,956.63

Insurance Premium .5% - Changed Work > \$ 69.78

Bond Premium .75% - Changed Work > \$ 104.67

**TOTAL LUMP SUM COST > \$ 14,131.09**

190 #18 Done



**EXTRA WORK ORDER**

CUSTOMER: City of Coeur d'Alene	EWO:
ADDRESS: WCD 22	Job #: P 162
WORK ORDERED BY: HDR / City of CDA	JOB NAME: CDA Tertiary Treatment Ph. 2
	DATE: DAY:

Description of Work: Membrane/TMF extra work. Move existing membranes from #1 to #6 to work on gate 1 and outlet. Remove covers from #1 + #6. Assist in rework of partial cassettes. Remove cassettes, let a time to clean. Dry out tank 1 V groove and outlet, adjust gate and test. Install rubber FRP cover gasketing and remove City's part of garbage. Reinstall covers. Modify MSA + permeate pipes of #1.

NAME	LABOR			EQUIPMENT USED	HOURS
	CLASS	ST	OT		
				Crane 3/7	5 ✓
				Crane 3/8	4 ✓
				Crane 3/9	8 ✓
				Fork lift	8 ✓
				TOTAL EQUIPMENT	

CONTRACT MATERIALS				SUBCONTRACTOR	
DESCRIPTION	QUANTITY	PRICE			
CDUC unions & couplers					
Fastener of		349.90			
Fastener of		72.03			
M.I		620.82			
M.I		417.30			
			TOTAL SUBCONTRACTOR		

OFFICE USE ONLY: COST SUMMARY			
LABOR			
MATERIALS			
EQUIPMENT			
TRUCK RENTAL/SUBCONTRACTOR			\$ -
SUB-TOTAL			\$ -
OH&P - LABOR			\$ -
OH&P - EQUIPMENT			\$ -
OH&P - MATERIALS			\$ -
OH&P - TRUCK RENTAL/SUBCONTRACTOR			\$ -
TOTAL OUTSIDE MATERIALS			\$ -
TOTAL AMOUNT			\$ -

*[Signature]*

Submitted by Apollo Representative

Authorized By Project Representative

## Membrane extra

Wed 3/7 move membranes from 1 to 6 to work on gate  
1 and caulk, started at 1:00, Remove covers from 1+6,  
combine partial membranes and install new sections

- Kevin - 2.5 + 2.0 ft Supt
  - Tony - 2.5 + 2.0 ft Supt
  - Brian - 3 Carp
  - James - 4 Carp
  - Ben - 5 Carp
  - Hector - 5 Carp
- V groove gate #1
- V groove ~~area~~

Thursday, 3/8 Remove membrane cassettes 1 at a time in  
morning. Dry out gate 1 V groove and caulk. Adjust gate  
#1. Install rubber on FRP covers. Remove City part of  
garbage

- Kevin - 4 + 1.0 ft Supt
  - Tony - 2 + 1.0 ft Supt
  - Ben - 9 Carp
  - Hector - 9 Carp
  - James - 3 Carp
- caulking/prop

Friday, 3/9 Remove membrane cassettes 1 at a time in  
evening. Transfer membranes back to 1. Reinstall  
covers. Install rubber on FRP covers.

- Kevin - 4 Supt
- Craig - 4 operator
- Ben - 1.5 + 6.5 ft Carp
- Hector - 2.5 + 5.5 ft Carp



Modified MSA & propane pipes at train #1  
Install rubber gaskets. Replace all covers.  
Monday 3/12

- Tony - 3 hr Supt
- Hector - 6 hrs Carpenter rubber
- Hector - 2 hrs Filter Pipe
- James - 8 hr Filter pipe

Tuesday 3/13  
Rubber gasketing

- Tony - 2 hrs Supt
- Hector - 8 hrs Carp rubber
- James - i Carp rubber

Wednesday 3/14

- ✓ James - 6 hr Carp rubber
- ✓ James - 2 hrs Filter pipe
- ✓ Hector - 8 hrs Carp rubber

Thursday 3/15

- ✓ Hector 5 hr Carp rubber
- ✓ James 5 hr Carp rubber

Friday 3/16

- ✓ Kevin Tucker 2 hr Supt transport  
more rubber

Monday 3/19 Install rubber gasketing

- Hector Perez - 8 hrs carp
- James Skelton - 4 hrs carp

Tuesday 3/20 Transport materials rubber and screws

- Kevin Butler - 3 hrs supt

Wednesday 3/21 install rse

- Hector Perez - 5 hrs - carp



Fastenal Company  
P.O. Box 1286  
WINONA, MN 55987-1286

### Packing Slip

Date: 3/8/18      Reference No.: IDCO 10396      Page: 1  
DUE DATE: 04/07/201

Cust. No. IDCOE1989      Cust. P.O. #162 /extra TMF      Job No. rih - over

The store serving you is  
1807 N. 4th Street

COEUR D'ALENE, ID 83814  
Phone #: 208/664-1583  
Fax #: 208/765-3251

#### Sold To

APOLLO INC  
1133 W COLUMBIA DR  
KENNEWICK, WA 99336-3472

#### Ship To

Picked up at Fastenal Store.

This Order and Document are subject to the "Terms of Purchase" posted on [www.fastenal.com](http://www.fastenal.com).

Line No.	Quantity Ordered	Quantity Shipped	Quantity Backorder	Description	Control No.	Part No.	Price / Each	Amount
1	8	8	0	SQBIT 1/4 #2X1 15/16	136728	61155	0.8500	6.80 N
2	1,000	1,000	0	#2 Square Recess 1/4" Drive 1-15/16" OAL Rock River[REG] Power Bit	220023684	0175652	0.2197	219.70 N
3	6	6	0	#10-12 x 1-1/2" Square Drive Truss Head Grade 18-8 Type A Point Stainless Steel Sheet Metal Screw	136728	61002	5.5000	33.00 N
4	12	12	0	Rock River[REG] 1/4" Hex Drive 3" OAL Magnetic Bit Holder	topest	0345842	2.1436	25.72 N
5	8	8	0	9/64" HSS 135[DEG] Split Point Black & Gold Finish Jobber Drill	170081797	0840812	8.0850	64.68 N
				4-1/2" x 7/8" Type 27 40-Grit High Density Zirconia Alumina Blackstone[REG] Flap Disc / Fiberglass				

Number of Parcels: \_\_\_\_\_

Received By \_\_\_\_\_

Comments  
Contact: Kevin

#### Tax Exemption

This packing slip may be subject to tax depending on your status.

Subtotal	349.90
Shipping & Handling	
State Tax	
County Tax	
City Tax	
<b>TOTAL USD</b>	

If you re-package or re-sell this product, you are required to maintain integrity of Country of Origin to the consumer of this product.

Reasonable collection and attorneys fees will be assessed to all accounts placed for collection  
No materials accepted for return without our permission.

X indicates part is a hazardous material

\* indicates part was sold at a promotional or special discount price

All discrepancies

\*16544\*







Fastenal Company  
 P.O Box 1286  
 WINONA, MN 55987-1286

**Packing Slip**

Date 3/21/18      Reference No. IDCO 51458      Page 1  
 DUE DATE: 04/20/201

Cust. No. IDCOE1989      Cust. P.O. pi62      Job No. js-over

The store serving you is  
 1807 N. 4th Street

COEUR D'ALENE, ID 83814  
 Phone #: 208/664-1583  
 Fax #: 208/765-3251

**Sold To**

APOLLO INC  
 1133 W COLUMBIA DR  
 KENNEWICK, WA 99336-3472

**Ship To**

Picked up at Fastenal Store.

This Order and Document are subject to the "Terms of Purchase" posted on [www.fastenal.com](http://www.fastenal.com).

Line No.	Quantity Ordered	Quantity Shipped	Quantity Backorder	Description	Control No.	Part No.	Price / Each	Amount
1	250	250	0	10X1.25 TSQSMS A SS #10-12 x 1-1/4" Square Drive Truss Head Grade 18-8 Type A Point Stainless Steel Sheet Metal Screw	170074246	0175651	0.2881	72.03 N

Number of Parcels: \_\_\_\_\_

Received By \_\_\_\_\_

**Comments**

Contact: JOHN OLDHAM JR.

If you re-package or re-sell this product, you are required to maintain integrity of Country of Origin to the consumer of this product.

Reasonable collection and attorneys fees will be assessed to all accounts placed for collection  
 No materials accepted for return without our permission.

X indicates part is a hazardous material

\* indicates part was sold at a promotional or special discount price

**Tax Exemption**

This packing slip may be subject to tax depending on your status.

Subtotal	72.03
Shipping & Handling	
State Tax	
County Tax	
City Tax	
<b>TOTAL USD</b>	

All discrepant

\*16965\*





# INVOICE

**BRANCH ADDRESS**  
 MOTION INDUSTRIES  
 1507 NORTH THIERMAN ROAD  
 SPOKANE, WA 99212-1178

PH (509)532-0875  
 CREDIT CARD RECEIPT  
 FAX (509)532-0868

**SHIP TO (SAME AS "SOLD TO" UNLESS SHOWN)**  
 APOLLO INC.  
 1133 WEST COLUMBIA DRIVE  
 KENNEWICK, WA 99338

**SOLD TO**  
 MASTERCARD-VISA  
 SPOKANE  
 1507 NORTH THIERMAN ROAD  
 SPOKANE, WA 99212-1178  
 CARD NAME: MAST  
 CARD#: 7518  
 APP CODE: 092610  
 MERCHANT: 001113814715

**INVOICE NUMBER**  
 WA15-018749  
**INVOICE DATE**  
 02/06/18 ORIGINAL  
**PO/RELEASE NUMBER**  
 KEVIN  
**REMIT TO**

ENT BY TERRY THORSON DIST. 0 TAKEN BY TERRY THORSON US

ORDER DATE 02/06/18	TERMS CRDTCO	SHIP DATE 02/06/18	SHIP VIA WILL CALL	ACCT NUMBER 00009901	F.O.B. FOB ORG.FRT.PP&ALLOW
ORDER DUE DATE 02/06/18	OCN 002217	COMMENTS			

LINE	VEN	MNO	DESCRIPTION	CUSTOMER INFORMATION	CUST PO ITEM	QUANTITIES			UNIT PRICE	UNIT	NET AMOUNT
						ORDER	B/O	SHIPPED			
1	00111	Z44000	1/4" X 6" X 50' SBR			8	0	8	54.120	EA	432.96
2	00111	Z44000	1/4" X 12" X 50' SBR			1	0	1	137.650	EA	137.65

THANK YOU FOR YOUR ORDER.  
 PLEASE BE SURE TO INCLUDE THE ENTIRE INVOICE NUMBER ON YOUR REMITTANCE ADVICE IN ORDER TO ENSURE YOUR FUNDS ARE PROPERLY APPLIED.  
 REGISTER AT MOTIONINDUSTRIES.COM TO PAY INVOICES ON-LINE.

MOSE. TOTAL 570.61	FREIGHT IN 0.00 OUT 0.00	OTHER CHARGES	SALES TAX		CASH DISCOUNT	TOTAL DUE PAID IN FULL 620.82
		RESTOCKING 0.00	PCT 8.8000	AMOUNT 50.21		

BUYER UNDERSTANDS AND AGREES THAT GOODS PRESENTED TO BUYER PURSUANT TO THIS INVOICE ARE BEING TENDERED CONTINGENT UPON BUYER'S AGREEMENT TO ALL OF MOTION'S TERMS AND CONDITIONS RELATED TO SALES. MOTION'S TERMS AND CONDITIONS ARE AVAILABLE AT THE MOTION BRANCH OR AT WWW.MOTIONINDUSTRIES.COM. BUYER'S ACCEPTANCE OF THE DELIVERY OF THE GOODS SHALL CONFIRM BUYER'S AGREEMENT TO ALL OF MOTION'S TERMS AND CONDITIONS.



# INVOICE

REMIT TO:

PHONE:  
(509)532-0875

**BRANCH ADDRESS**

MOTION INDUSTRIES  
1507 NORTH THIERMAN ROAD  
SPOKANE, WA 99212-1178

PH: (509)532-0875  
CREDIT CARD RECEIPT  
FAX: (509)532-0868

**SHIP TO (SAME AS "SOLD TO" UNLESS SHOWN)**

MASTERCARD-VISA  
SPOKANE  
1507 NORTH THIERMAN ROAD  
SPOKANE, WA 99212-1178

**SOLD TO**

MASTERCARD-VISA  
SPOKANE  
1507 NORTH THIERMAN ROAD  
SPOKANE, WA 99212-1178  
CARD NAME: MAST  
CARD#: 3090  
APP CODE: 095868  
MERCHANT: 001113814715

**INVOICE NUMBER**

WA15-018766

**INVOICE DATE**

03/21/18 ORIGINAL

**PO/RELEASE NUMBER**

KEVIN

ENT BY: TERRY THORSON DIST: 0 TAKEN BY: TERRY THORSON US

ORDER DATE 03/20/18	TERMS CRDTC	SHIP DATE 03/21/18	SHIP VIA WILL CALL	ACCT NUMBER 00009901	F.O.B. FOB ORG.FRT PP&ALLOW
ORDER DUE DATE 03/21/18	OCN 002237	COMMENTS:			

LINE	VEN	MINO	CUST PO ITEM	QUANTITIES			UNIT PRICE	UNIT	NET AMOUNT
				ORDER	B/O	SHIPPED			
1	00111	Z44000		2	0	2	54.120	EA	108.24
1/4" X 6" X 50' SBR									
2	00111	Z44000		2	0	2	137.650	EA	275.30
1/4" X 12" X 50' SBR									

THANK YOU FOR YOUR ORDER.  
PLEASE BE SURE TO INCLUDE THE ENTIRE INVOICE NUMBER ON YOUR REMITTANCE ADVICE IN ORDER TO ENSURE YOUR FUNDS ARE PROPERLY APPLIED.  
REGISTER AT [MOTIONINDUSTRIES.COM](http://MOTIONINDUSTRIES.COM) TO PAY INVOICES ON-LINE

MOSE TOTAL 383.54	FREIGHT		OTHER CHARGES		SALES TAX		CASH DISCOUNT	TOTAL DUE USD PAID IN FULL 417.30
	IN	0.00	RESTOCKING	0.00	PCT	8.8000		
	OUT	0.00		0.00				

BUYER UNDERSTANDS AND AGREES THAT GOODS PRESENTED TO BUYER PURSUANT TO THIS INVOICE ARE BEING TENDERED CONTINGENT UPON BUYER'S AGREEMENT TO ALL OF MOTION'S TERMS AND CONDITIONS RELATED TO SALES. MOTION'S TERMS AND CONDITIONS ARE AVAILABLE AT THE MOTION BRANCH OR AT [WWW.MOTIONINDUSTRIES.COM](http://WWW.MOTIONINDUSTRIES.COM). BUYER'S ACCEPTANCE OF THE DELIVERY OF THE GOODS SHALL CONFIRM BUYER'S AGREEMENT TO ALL OF MOTION'S TERMS AND CONDITIONS.

Invoice Number	Invoice Date	Terms	NET 60
02185175	12/14/17	F.O.B. SHIPPING POINT	
Order Number	Customer PO Number		
02185051	P102 CHEM SYS CDA WT		
Order Date	Ship Date	Ship Via	
12/12/17	12/13/17	BEST WAY POSSIBLE	



PLEASE REMIT TO:  
 Harrington Industrial Plastics LLC  
 PO BOX 1025  
 1480 Yorba Ave  
 Chino, CA 91708-5128  
 TEL 909-997-8640  
 FAX 909-997-8741

000004

## INVOICE

Bill to: APCOLLO INCORPORATED  
 PO BOX 7305  
 KENNEWICK WA 99336-0617

Ship to: TONY  
 ALOLLO INC JOBSITE  
 CITY OF COEUR D'ALENE TERTIARY  
 TREATMENT PH 2 IMPR  
 785 W HUBBARD AVE  
 COEUR D'ALENE, ID. 83814

Customer No.	Territory	Freight Terms	Page #	Job No.					
030452	212	CHARGE OUTBOUND ONLY	10	COA TERTIARY TREAT					
Product No./Description	WHSE	Order Quantity	Ship Quantity	Balance Due	List Price	Disc	Unit Price	Amount	
800C-005 1 1/2" PIPE P/E CPVC SCH80	021	100	100	0			0.93	93.00	
801C-0305 3" TEE S CPVC SCH80	021	3	3	0			24.11	72.33	
806C-0305 3" 90 ELBOW S CPVC SCH80	021	3	3	0			18.54	55.62	
829C-0305 3" COUPLING S CPVC SCH80	021	3	3	0			12.69	38.07	
830C-0305 3" ADAPTER S&MPT CPVC SCH80	021	3	3	0			33.45	100.35	
835C-0305 3" ADAPTER S&MPT CPVC SCH80	021	3	3	0			40.61	121.83	
<small>WARRANTY DISCLAIMER: Harrington Industrial Plastics LLC (Harrington) makes no express or implied warranties, including those of merchantability or fitness for a particular purpose, with regard to goods and products not manufactured by Harrington. With regard to products manufactured by Harrington, Harrington warrants only that such products will be free of defects in material and workmanship for a period of one year from shipment date. Harrington makes no other express or implied warranties with respect to such goods. Any description of goods on the face of this document is for the sole purpose of identifying them and does not constitute a warranty of any kind.            ENTIRE AGREEMENT: The terms and conditions set forth in this invoice constitute the entire agreement between purchaser and Harrington and supersede any prior or contemporaneous representations or agreements, written or oral. No additional oral or written terms, including any attempts by purchaser to alter or modify this invoice or any other document relating to this sale, shall become a part of this agreement without the express written consent of Harrington.</small>							Subtotal	CONTINUED	
							Tax	CONTINUED	
							Freight & Handling	CONTINUED	
							Total Due	CONTINUED	

CONTINUED



Invoice Number	Invoice Date	Terms	NET 60
02188175	12/14/17	F.O.B. SHIPPING POINT	
Order Number	Customer PO Number		
02185051	P182 CHEM SYS COA WY		
Order Date	Ship Date	Ship Via	
12/12/17	12/13/17	BEST WAY POSSIBLE	



PLEASE REMIT TO:  
Harrington Industrial Plastics LLC  
PO BOX 5128  
14480 Yorba Ave  
Chico, CA 95926-5128  
TEL 909-397-8641  
FAX 909-397-0310

000024

**INVOICE**

Bill to: APOLLO INCORPORATED  
PO BOX 7306  
KENNEWICK WA 99036-0617

Ship to: TONY  
ALOLLO INC JOBSITE  
CITY OF COEUR D'ALENE TERTIARY  
TREATMENT PH 2 IMPR  
785 W HUBBARD AVE  
COEUR D'ALENE, ID 83814

Customer No.	Territory	Freight Terms	Page #	Job No.					
000452	212	CHARGE OUTBOUND ONLY	11	COA TERTIARY TREAT					
Product No /Description	WISE	Order Quantity	Ship Quantity	Balance Due	List Price	Disc	Unit Price	Amount	
809C-0005 3" UNION 2000 S CPVC EPDM SCH80 2000 IND	021	3	3	0			47.96	143.82	
817C-0005 3" 45 ELBOW S CPVC SCH80	021	3	3	0			20.10	60.30	
801C-0005 2" TEE S CPVC SCH80	021	3	3	0			9.47	28.41	
806C-0005 2" 90 ELBOW S CPVC SCH80	021	3	3	0			7.11	21.33	
829C-0008 2" COUPLING S CPVC SCH80	021	3	3	0			5.25	15.75	
<small>WARRANTY DISCLAIMER: Harrington Industrial Plastics LLC (Harrington) makes no express or implied warranties, including those of merchantability or fitness for a particular purpose, with regard to goods and products not manufactured by Harrington. With regard to products manufactured by Harrington, Harrington warrants only that such products will be free of defects in material and workmanship for a period of one year from shipment date. Harrington makes no other express or implied warranties with respect to such goods. Any description of goods on the face of this document is for the sole purpose of identifying them and does not constitute a warranty of any kind.  ENTIRE AGREEMENT: The terms and conditions set forth in this invoice constitute the entire agreement between purchaser and Harrington and supersede any prior or contemporaneous representations, or agreements, written or oral. No additional oral or written terms, including any attempts by purchaser to alter or modify this invoice or any other document relating to this sale, shall become a part of this agreement without the express written consent of Harrington.</small>							Subtotal	CONTINUED	
							Tax	CONTINUED	
							Freight & Handling	CONTINUED	
							Total Due	CONTINUED	

CONTINUED

WCD 023

AIR PIPING FOR BUBBLE TESTING



September 11, 2018

Apollo, Inc.  
1133 West Columbia Drive  
Kennewick, WA 99336

Attn: Amy Jenne

Re: Coeur d'Alene Tertiary Treatment Phase 2 project  
WCD 023 – Air Piping for Bubble Testing  
Engineer's Decision

Amy,

We have reviewed your cost proposal for WCD 023 – Air Piping for Bubble Testing. We have found your submitted cost proposal to be acceptable.

A total cost of \$2,876.29 and a total of 0 calendar days will be included in the forthcoming final Change Order.

Sincerely,  
HDR Engineering, Inc.

A handwritten signature in blue ink, appearing to read 'Todd Jensen'.

Todd Jensen, PE, CCM  
*Construction Manager*

cc: Jim Remitz – City of Coeur d'Alene Wastewater Department  
Rickey Schultz – HDR  
Mike Soucie – HDR  
Mary Scalise – HDR



Date of Issuance: March 27, 2018      Effective Date: March 27, 2018  
 Owner: City of Coeur d'Alene, ID      Owner's Contract No.:  
 Contractor: Apollo      Contractor's Project No.:  
 Engineer: HDR      Engineer's Project No.: 10026247  
 Project: CDA Tertiary Phase 2 Improvements      Contract Name:

**Contractor is directed to proceed promptly with the following change(s):**Description:

1. Provide new 316 SS piping to introduce air at 3 psi into the permeate manifold of all 5 membrane trains for bubble testing of membranes.
  - a. Piping will include: 1/2" weld-o-let, 1/2" nipple, 1/2" ball valve, terminate with quick-connect 1/2" x 1/4" male air fitting.
2. Provide new 316 SS piping and fittings so the City can use their existing instrument air to charge the 10-inch permeate lines for membrane cassette bubble testing.
  - a. Piping will include: 2" tee, 1" manifold with 1" ball valve, 1/2" union, air filter, PRV, pressure gauge with ball valve, and terminate with a 1/2" x 1/4" female quick-connect air fitting.
3. The City will provide the air hose.
4. Contractor shall confirm work activities daily with on-site RPR.

Attachments:

1. Two photos

- Non-agreement on pricing of proposed change.  
 Necessity to proceed for schedule or other Project reasons.

**Estimated Change in Contract Price and Contract Times (non-binding, preliminary):**

Contract Price \$ TBD      increase  
 Contract Time 0      days      [increase] [decrease].

**Basis of estimated change in Contract Price:**

- Lump Sum       Unit Price  
 Cost of the Work per Day       Other

**RECOMMENDED:****AUTHORIZED BY:****RECEIVED:**

By:  _____ Engineer (Authorized Signature) Title: Project Manager Date: 03/27/2018	By:  _____ Owner (Authorized Signature) Title: Cap. Program Mgr Date: 3-27-2018	By:  _____ Contractor (Authorized Signature) Title: VP Date: 3/27/18
---	--	---

Attached Photos:



**Photo 1.** Finished air piping used for start-up/future bubble testing for leaking cassettes/filter strands. Piping is attached using a 1/2" weld-o-let.



**Photo 2.** Finished air supply manifold.



**/// BUILDING PEOPLE WHO BUILD GREAT THINGS**

**Work Change Directive**  
 Project: City of Coeur d'Alene Tertiary Treatment Phase 2  
 Apollo Inc.

WCD No: 23

Date: 07/30/18

Description	Labor	Mat	Equip.	Subcont. Total	Supp Total	Total
New Air Piping at Permeate Manifolds	\$ 1,759.87	\$ 1,035.00	\$ -	\$ -	\$ 45.91	\$ 2,840.78
<b>SUBTOTAL COST &gt;</b>						<b>\$ 2,840.78</b>
Insurance Premium .5% - Changed Work >						\$ 14.20
Bond Premium .75% - Changed Work >						\$ 21.31
<b>TOTAL LUMP SUM COST &gt;</b>						<b>\$ 2,876.29</b>

Work Change Directive  
 Project: City of Coeur d'Alene Tertiary Treatment Phase 2  
 Apollo Inc.

WCD No: 23  
 Item No: 1  
 Date: 7/30/18

Item Description: New air piping at permeate manifolds

Description	Qty	U of M	Rate	Labor	Unit	Rate	Mat	Unit	Rate	Equip.	Subcont. Total	Total
<b>APOLLO - PROJECT SUPERVISION COSTS</b>												
Project Manager	2.0	HR	\$ 90.00	\$ 180.00								\$ 180.00
Project Superintendent	4.0	HR	\$ 79.56	\$ 318.24								\$ 318.24
Site Civil/Mech Superintendent	8.0	HR	\$ 68.08	\$ 544.64								\$ 544.64
<b>APOLLO - CRAFT LABOR COSTS</b>												
Pipefitter				\$ -								\$ -
Pipefitter	8.0	HR	\$ 60.93	\$ 487.44								\$ 487.44
<b>APOLLO - MATERIAL COSTS</b>												
Weld-o-lets, nipples, valves, bushings, air connectors, pipe	1.0				LS	\$ 700.00	\$ 700.00					\$ 700.00
Misc. Parts	1.0				LS	\$ 200.00	\$ 200.00					\$ 200.00
							\$ -					\$ -
Apollo - Subtotal Direct Costs >				\$ 1,530.32			\$ 900.00			\$ -		\$ 2,430.32
Markup on Self-Performed Labor, Mat'ls & Equipment >	15.0%			\$ 229.55			\$ 135.00			\$ -		\$ 364.55
<b>SUBCONTRACTOR COSTS</b>												
											\$ -	\$ -
Subtotal Subcontractors Costs >											\$ -	\$ -
Markup on Subcontractor Costs >	5.0%										\$ -	\$ -
<b>SUPPLEMENTAL COSTS</b>												
Special Consultants											\$ -	\$ -
Subsistance for Project Supervision					HR	\$ 11.25	\$ -					\$ -
Temporary Facilities at the Site					LS		\$ -					\$ -
Small Tools	1.0				LS	\$ 45.91	\$ 45.91					\$ 45.91
Subtotal Supplementary Costs >						\$ 45.91					\$ -	\$ 45.91
Markup on Supplementary Costs >	0.0											

Contractor - Total Direct Costs w/Markup >	\$	2,840.78
Insurance Premium .5% - Changed Work >	\$	14.20
Bond Premium .75% - Changed Work >	\$	21.31
<b>TOTAL LUMP SUM COST &gt;</b>	<b>\$</b>	<b>2,876.29</b>





WCD 024

SECONDARY INFLUENT STRUCTURE MOD & SHY LINE EXTENSION



September 9, 2019

Apollo, Inc.  
1133 West Columbia Drive  
Kennewick, WA 99336

Attn: Amy Jenne

Re: Coeur d'Alene Tertiary Treatment Phase 2 Project  
WCD 024 – Secondary Influent Structure Modifications  
Engineer's Decision

Amy,

We have reviewed your cost proposal for WCD 024 – Secondary Influent Structure Modifications. We have found your submitted cost proposal to be acceptable.

A total cost of \$76,786.24 and a total of 0 calendar days will be included in the forthcoming final Change Order.

Sincerely,  
HDR Engineering, Inc.

A handwritten signature in blue ink, appearing to read 'Todd Jensen'.

Todd Jensen, PE, CCM  
*Construction Manager*

cc: Mike Anderson – City of Coeur d'Alene Wastewater Department  
Rickey Schultz – HDR  
Mike Soucie – HDR  
Mary Scalise – HDR





**/// BUILDING PEOPLE WHO BUILD GREAT THINGS**

**Work Change Directive**  
**Project: City of Coeur d'Alene Tertiary Treatment Phase 2**  
**Apollo Inc.**

**WCD No:** 24Rev1

**Date:** 08/29/19

Description	Labor	Mat	Equip.	Subcont. Total	Supp Total	Total
Secondary Influent Structure Mods	\$ 47,098.99	\$ 11,410.09	\$ 8,544.87	\$ 517.65	\$ 8,266.67	\$ 75,838.27
<b>SUBTOTAL COST &gt;</b>						<b>\$ 75,838.27</b>
Insurance Premium .5% - Changed Work >						\$ 379.19
Bond Premium .75% - Changed Work >						\$ 568.79
<b>TOTAL LUMP SUM COST &gt;</b>						<b>\$ 76,786.24</b>

Work Change Directive  
 Project: City of Coeur d'Alene Tertiary Treatment Phase 2  
 Apollo Inc.

WCD No: 24Rev1  
 Item No: 1  
 Date: 8/29/19

Item Description: Secondary Influent Structure Mods

Description	Qty	U of M	Rate	Labor	Unit	Rate	Mat	Unit	Rate	Equip.	Subcont. Total	Total
<b>APOLLO - PROJECT SUPERVISION COSTS</b>												
Project Manager	24.0	HR	\$ 90.00	\$ 2,160.00								\$ 2,160.00
Project Superintendent	196.0	HR	\$ 79.56	\$ 15,593.76								\$ 15,593.76
Site Civil Superintendent	134.0	HR	\$ 68.08	\$ 9,122.72								\$ 9,122.72
<b>APOLLO - CRAFT LABOR COSTS</b>												
<b>Carpenters</b>												
Carpenter	156.0	HR	\$ 38.37	\$ 5,985.72								\$ 5,985.72
<b>Laborers</b>												
Forman	6.0	HR	\$ 37.50	\$ 225.00								\$ 225.00
General	229.0	HR	\$ 34.36	\$ 7,868.44								\$ 7,868.44
<b>APOLLO - OPERATED EQUIPMENT</b>												
<b>Crane - Manitowoc 222</b>												
+ Operator		HR	\$ 47.41	\$ -								\$ -
+ Operating Costs	14.0							HRLY	\$ 71.10	\$ 995.40		\$ 995.40
<b>Excavator - CAT 303</b>												
+ Operator		HR	\$ 45.84	\$ -								\$ -
+ Operating Costs	3.0							HRLY	\$ 19.42	\$ 58.26		\$ 58.26
<b>Excavator - CAT 312C L</b>												
+ Operator		HR	\$ 45.84	\$ -								\$ -
+ Operating Costs	1.0							HRLY	\$ 50.93	\$ 50.93		\$ 50.93
<b>Excavator - CAT 330CL</b>												
+ Operator		HR	\$ 45.84	\$ -								\$ -
+ Operating Costs	1.0							HRLY	\$ 122.39	\$ 122.39		\$ 122.39
+ Operator		HR	\$ 45.84	\$ -								\$ -
+ Operating Costs	26.0							HRLY	\$ 39.59	\$ 1,029.34		\$ 1,029.34
<b>Loader - CAT 950H</b>												
+ Operator		HR	\$ 45.84	\$ -								\$ -
+ Operating Costs	3.0							HRLY	\$ 73.23	\$ 219.69		\$ 219.69
<b>On-Highway Rear Dumps</b>												
+ Operator		HR	\$ 34.42	\$ -								\$ -
+ Operating Costs	1.0							HRLY	\$ 64.57	\$ 64.57		\$ 64.57
<b>APOLLO - OTHER EQUIPMENT COSTS</b>												
Lights	1.0							LS	\$ 823.69	\$ 823.69		\$ 823.69
Pump Rental	1.0							LS	\$ 4,066.05	\$ 4,066.05		\$ 4,066.05
<b>APOLLO - MATERIAL COSTS</b>												
Misc. Forming Materials	1.0				LS	\$ 1,148.49	\$ 1,148.49					\$ 1,148.49
Angle & Plate	1.0				LS	\$ 3,384.00	\$ 3,384.00					\$ 3,384.00
Protective Clothing	1.0				LS	\$ 500.00	\$ 500.00					\$ 500.00
Harrington	1.0				LS	\$ 3,079.26	\$ 3,079.26					\$ 3,079.26
Fuel	400.0				GL	\$ 3.50	\$ 1,400.00					\$ 1,400.00
Columbia Rigging	1.0				LS	\$ 410.07	\$ 410.07					\$ 410.07
Apollo - Subtotal Direct Costs >				\$ 40,955.64			\$ 9,921.82			\$ 7,430.32		\$ 58,307.78
Markup on Self-Performed Labor, Mat'ls & Equipment >	15.0%			\$ 6,143.35			\$ 1,488.27			\$ 1,114.55		\$ 8,746.17
<b>SUBCONTRACTOR COSTS</b>												
Tri State Rebar											\$ 493.00	\$ 493.00
Subtotal Subcontractors Costs >											\$ 493.00	\$ 493.00
Markup on Subcontractor Costs >	5.0%										\$ 24.65	\$ 24.65
<b>SUPPLEMENTAL COSTS</b>												
Special Consultants	1.0										\$ 3,325.50	\$ 3,325.50
Subsistence for Project Supervision	330.0				HR	\$ 11.25	\$ 3,712.50					\$ 3,712.50
Temporary Facilities at the Site					LS	\$ -	\$ -					\$ -
Small Tools	1.0				LS	\$ 1,228.67	\$ 1,228.67					\$ 1,228.67
Subtotal Supplementary Costs >							\$ 4,941.17				\$ 3,325.50	\$ 8,266.67
Markup on Supplementary Costs >	0.0											

Contractor - Total Direct Costs w/Markup >	\$ 75,838.27
Insurance Premium .5% - Changed Work >	\$ 379.19
Bond Premium .75% - Changed Work >	\$ 568.79

**Work Change Directive**  
**Project: City of Coeur d'Alene Tertiary Treatment Phase 2**  
**Apollo Inc.**

**WCD No:** 24Rev1  
**Item No:** 1  
**Date:** 8/29/19

*Item Description: Secondary Influent Structure Mods*

Description	Qty	U of M	Rate	Labor	Unit	Rate	Mat	Unit	Rate	Equip.	Subcont. Total	Total
-------------	-----	--------	------	-------	------	------	-----	------	------	--------	----------------	-------

**TOTAL LUMP SUM COST > \$ 76,786.24**

	pg1	pg2	pg3	12/6/18 Total	
<b>Labor</b>					
Craig Jenne (Super)			20	4	24
Chris Bolten (For)				6	6
Carpenter	70	60	26		156
Laborer	36	171	22		229
Kevin Burke (Super)	150	40	6		196
Tony Delapena (Super)	40	64		6	110

<b>Equipment Operated</b>					
Forklift		20	6		26
Crane		14			14
330					0
312					0
950				3	3
303				3	3
Blade					0
Dump Truck					0
Skidster					0
938 Loader Rental					0
305 Ex Rental					0

<b>Equipment Standby (1/3 Operated Hr for Standby)</b>				1/3 Hours	
330			3	3	1.0
312			3	3	1.0
950				0	0.0
303				0	0.0
Dump Truck			3	3	1.0
Skidster				0	0.0





WCD #24

design

KB 80 hr ✓

coordinate + order

KB 60 hr ✓  
TD 40 hrs ✓

Material pick up

KB 10 ✓

Place mat deck + forms

carp 40 ✓  
labor 20 ✓ ~~\$1000~~ \$800 ✓

Pick paints + clutches

carp 10 ✓  
Columbra Ringing \$1200 ✓

Rebar-supply + install

TRISUM ~~\$1000~~ \$250 ✓

place + finish concrete

labor 9 ✓ \$500 ✓

curve

labor 3 ✓

strip

carp 4 ✓  
labor 2 ✓

Temp plate for opening order + install

carp 10 \$250 ✓

temp hole cover

6 \$150 ✓

angles + anchors + epoxy  
grout

Intermountain ~~\$1500~~ ✓  
\$400 ✓

Rot bits

Small tools NYC \$300 ✓  
\$500 ✓

Protective clothing

Fuel

likes

pump rents ✓✓

Rental 3 nights

400 gal ✓



City pump down box + Apollo contract dimensions

KB	10	✓
TD	10	✓
Labore	20	✓

Build precast wall

~~High~~ Set up pumps

KB	6	✓
CJ	6	Crown 6 ✓
TD	10	Fork 10 ✓
labore	30	✓
CJ	4	✓
KB	10	✓
TD	10	✓
Corp	20	✓
Lab	30	✓

Night 1 drain box and install one side of SS Angles. Release flow

Night 2 drain box and set precast. install angles on 2nd side, Remove mud valve + install blind flange, Remove air pipe, grant bottom of wall + caulk angles to precast.

CJ	6	✓
KB	10	✓
TP	10	✓
Corp	20	✓
Lab	30	✓

Mud valve deduct for previous bill - 10 sup ✓  
- 5 Lab ✓

Night 3 Grant Drain box. Grant wall gaps at angles, Install new aeration pipe.

KB	10	✓
TD	10	✓
Corp	20	✓
Lab	30	✓

Break down + clean pumps

TD	8	✓
KB	4	Crown 4 ✓
Lab	24	Fork 6 ✓

Load out pumps

CJ	4	✓ Crown 4 ✓
TD	6	✓ Fork 4 ✓
Lab	12	✓



gate install - changed conditions

carp 12 ✓

remove temp plate

Lab 6 ✓

and grating *Copper Fab*

KB 6 ✓ \$200 ✓  
carp 6 ✓

tear down + remove precast deck

carp 8 ✓  
Lab 16 ✓  
*Panel 6 ✓*

Blind flange

\$100

Engineering - Smith, Monroe + Gray ✓

WCD 2A 1" STAY LINE



...Building People Who Build Great Things

Daily Report of Force Account Worked

Contract Number	Date 12-6-18	Item Number	Item Name
Prime Contractor		Subcontractor / Lower Tier Subcontractor	
Line / Station	Group	Basis of Material Acceptance	RAMS Number
Description of Work Performed 3'x1" DOUBLE CONTAINMENT INSTALL AT SC AND SEEPS SEE PLS			

Time Worked Record

	Workers and/or Equipment Working	Occupation of Workers or Equipment Size	Hours Worked		Reg. Rate	O.T. Rate	Amount
			Reg.	O.T.			
1	CRAZUJENNE	SUPER OPERATOR	4	✓			
2	TONY DELAPENA	SUPER OPERATOR	6	✓			
3	CARIS BOLZEN	SUPER OPERATOR	6	✓			
4	303		3	✓			
5	950		3	✓			
6	312	STAND BY					
7	DUMP TRUCK	" "					
8	330	" "					
9							
10							
11							
12							
13							
14							
15							
16							
17							
18							
19							
20							

Not Complete

~~KEVIN FA~~

TONY FA Inside STTY

Calculated By	Checked By	Date	Total
---------------	------------	------	-------

Ledger Entry Number	Entered By	Date	Entry Verified	Date
---------------------	------------	------	----------------	------

Inspector's Signature	Contractor's Representative Signature	Title
-----------------------	---------------------------------------	-------

Spokane Branch  
 Harrington Industrial Plastics  
 2224 North Locust Road Suite 100  
 Spokane, WA 99206



Invoice# 02190542  
 Location# 021  
 Date 06/19/18  
 Page 1 OF 2

Industrial Plastics LLC

\*\* Invoice \*\*  
 \*\* Reprint \*\*

030452  
 APOLLO INCORPORATED  
 P O BOX 7305  
 KENNEWICK, WA 99336

Ship To:  
 ALOLO INC JOBSITE  
 CITY OF COEUR D'ALENE TERTIARY  
 TREATMENT PH 2 IMPR  
 765 W HUBBARD AVE  
 COEUR D'ALENE, ID 83814

=====  
 Cust P/O:P162 SECONDARY BUILD Reps:1845/4029 Terms:NET 60  
 Ord-Date:05/16/18 Written:RJF Order#:021869 Ship Via:BEST WAY POSSIBLE  
 =====

Product/Description	Open	Ship'd	B/O	Price	U/M	Extension
*1099 FITTINGS MISC 131134 1"x3" CPVC80 X PVC80 PIPE GUARDIAN	120	120	0	16.83	EA	2,019.60
*1099 FITTINGS MISC 131145 1"x3" 90 ELL CPVC80 X PVC80	5	5	0	69.13	EA	345.65
*1099 FITTINGS MISC 131941 1"X3" CPVC80 X PVC80 B-TERM W/ TAP	2	2	0	208.80	EA	417.60
829C-010S 1" COUPLING S CPVC SCH80	12		12	6.66	EA	0.00
829-030S 3" COUPLING S PVC SCH80	12		12	22.97	EA	0.00
LS-300-S-316 2.37" SEAL LINK MODULAR EPDM W/316SS HRDWR .69" THK FOR 5" CORE DRILLED HOLE	16		16	5.74	EA	0.00
*8001 LABELING PRODUCTS B DETECTABLE UNDERGROUND CHEM MARKING TAPE RED/BLK 3" WD	1		1	346.59	EA	0.00
806C-010S	10		10	6.78	EA	0.00

Continued

Spokane Branch  
 Harrington Industrial Plastics  
 2224 North Locust Road Suite 100  
 Spokane, WA 99206



Invoice# 02190542  
 Location# 021  
 Date 06/19/18  
 Page 2 OF 2

Industrial Plastics LLC  
 \*\* Invoice \*\*  
 \*\* Reprint \*\*

030452  
 APOLLO INCORPORATED  
 P O BOX 7305  
 KENNEWICK, WA 99336

Ship To:  
 ALOLO INC JOBSITE  
 CITY OF COEUR D'ALENE TERTIARY  
 TREATMENT PH 2 IMPR  
 765 W HUBBARD AVE  
 COEUR D'ALENE, ID 83814

=====  
 Cust P/O:P162 SECONDARY BUILD Reps:1845/4029 Terms:NET 60  
 Ord-Date:05/16/18 Written:RJF Order#:021869 Ship Via:BEST WAY POSSIBLE  
 =====

Product/Description	Open	Ship'd	B/O	Price	U/M	Extension
---------------------	------	--------	-----	-------	-----	-----------

1" 90 ELBOW S CPVC SCH80						
801C-010S 1" TEE S CPVC SCH80	2	2		9.79	EA	0.00
1613010 1" VALVE BALL TUBV S/T CPVC FKM PTFE TYPE 21 230PSI	2	2		76.00	EA	0.00
800C-010 1" PIPE P/E CPVC SCH80	40	40		2.70	FT	0.00
724QG SOLVENT CEMENT CPVC QT GRY LOW VOC HEAVY BODIED MED SET MC/AC	4	4		22.28	EA	0.00
P70QC PRIMER QT CLR FOR PVC CPVC LOW VOC MC/AC	4	4		16.85	EA	0.00

Mdse	Total	Handling	Tax	Freight	Dep-amt	Dep-Appld	Invoice	Total
	2,782.85	0.00	0.00	296.41	0.00	0.00		3,079.26



BMC West LLC  
505 W Kathleen Ave  
Coeur D'Alene ID 83015  
208-664-9104

# INVOICE

INVOICE DATE	INVOICE NUMBER
05/08/18	58283351-00
CUSTOMER P.O. NUMBER	ACCOUNT NUMBER
p-162	183856
TERMS	REFERENCE
NET10TH PROX	
DUE DATE	INVOICE TOTAL
05/10/18	651.27
PLEASE REMIT PAYMENT TO:	
BMC West LLC 804 P.O. Box 59998 Los Angeles, CA 90074-9998	

**BILL TO:**

APOLLO INC  
P.O. BOX 7385  
KENNEWICK, WA 98336

**SHIP TO: CDAWW**

CDA WASTE WATER TREATMENT  
765 Hubbard  
COEUR D'ALENE, ID 83014

LINE NO.	QTY	UM	PRODUCT AND DESCRIPTION	UNIT PRICE/EXT FOOTAGE	TOTAL
1	8.00	MSF	F2332B3C05CF7	1,804.35	481.31
			FIR 2X32 4X8 88 OIL&EDGE SEAL CONCRETE FORM 7 PLY	256.00	
2	35.00	MBF	e2498s	817.02	152.50
			DOUG FIR 2X4X8 STD&BTR S4S S-DRY	186.66	
			TOTAL FOOTAGE	442.65	
			LINE SUBTOTAL		614.41
			TAX(5T: 6.99%)		36.86
			ORDER TOTAL		651.27
<i>Thank you for your Business.</i>					
					<b>INVOICE TOTAL</b>
					651.27

RA-COC-991902

This invoice should be paid by the due date above. Finance charges will be assessed on past due balances. Claims, disputes, or requests for corrections to this invoice must be made in writing within 5 days of receipt of the invoice or they shall be waived. Non-stock items are non-refundable. A full set of our Terms and Conditions of Sale can be viewed on our website at [www.buildwithbmc.com/bmc/master-sales-agreement](http://www.buildwithbmc.com/bmc/master-sales-agreement).

TO VIEW YOUR BILL ONLINE GO TO <http://bmc.billwest.com>

USE THIS ENROLLMENT CODE: URL VMX FGL



**EDGE CONSTRUCTION SUPPLY, INC.****INVOICE**

1503 E RIVERSIDE  
 PO BOX 3437  
 SPOKANE WA 99220  
 509-535-9841 Fax: 509-534-3139  
 Toll Free: 800-348-4808  
 www.edgecs.com

Number **A32818**  
 Date **06/15/2018**  
 Page **1**

**Construction Supply**

Bill-to: **APOLLO INC**  
**91356**  
**PO BOX 7305**  
**KENNEWICK WA 99336**

Ship-to: **APOLLO INC**  
**TEMP**  
**COEUR D'ALENE WWTP**  
**ATTN: TONY DELAPENA**  
**765 W HUBBARD AVE**  
**COEUR D'ALENE, ID 83814**



PO Number	Shipped	Salesperson	Inside Ship	Terms	Tax Code	Doc #	no	Freight	Ship Via
P - 162	06/15/2018	JDP	JMF	NET 30 DAYS	IDEX	72091	01	FRW:ARD	WC

Item	Description	Committed	Shipped	Backorder	Unit	Price	Ext	Extension
	Ordered By TONY 948-2803							
R13100	RIDGID WHEEL 1&2 STD THIN	2	2	0	EA	6.80	13.60	13.60
R147790	RIDGID DIE UNIV 1/2 IIS F/SS	1	1	0	EA	155.00	155.00	155.00
R129903	RIDGID REAMER 227	1	1	0	EA	62.55	62.55	62.55
DT19W25421R	DERALT 1/4 HEX SHANK TO 3/8 SOCKET ADAPTER	2	2	0	EA	4.78	9.56	9.56

**APOLLO, INC.**  
 JUN 20 2018  
**RECEIVED**

Merchandise	Misc	Discount	Tax	Freight	Total Due
240.71	.00		14.44	.00	255.15

ORIGINAL INVOICE

Customer Copy

... Last Page

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Do not write below this line

SONIV



01 A32818



# Packing List

CUSTOMER



**SOLD BY**  
 Oxarc Inc.  
 4003 E. Broadway  
 Spokane WA 99202  
 509-535-7794

MAIN OFFICE: (509) 535-7794  
 4003 E BROADWAY, SPOKANE, WA  
 www.oxarc.com

BERO, OR (541) 389-2050	BOISE, ID (208) 378-8277	COEUR D'ALENE, ID (208) 765-3371	COVILLE, WA (509) 684-2776
ELLENBURG, VA (508) 825-1518	HERMISTON, OR (541) 567-7377	LASANOE, OR (541) 953-2892	LEWISTON, ID (208) 743-6571
MOSES LAKE, WA (509) 769-9247	NANPA, ID (208) 442-8910	OKANOGAN, WA (509) 825-3293	PASCO, WA (509) 547-2484
PORTLAND, OR (503) 678-1825	SANDEPOTE, ID (208) 283-1646	SPRINGFIELD, VA (509) 535-7794	SUNNYSIDE, WA (509) 837-6212
THE DALLES, OR (541) 256-0942	WALLA WALLA, WA (509) 528-3300	WEAVER, WA (509) 682-6417	TAKOMA, WA (509) 248-0827

564533457

Customer 68785

Order 10459521-00

Order Date 06/12/18

Page 001 OF 001

**SHIP TO**  
 APOLLO INC 40470600  
 PO BOX 7305  
 KENNEWICK WA 99336

Name APOLLO INC 40470600  
 P/O Number P162  
 Rel Number  
 Phone 509-586-1104 Ship Date: 06/12/18

Territory	207	Ship Via	WILL CALL -NONE-
Salesperson	206	Other Zone	00 UPS Zone 0
Branch	SPO	COL/PPD	PREPAID
Status		Route	207

Initials	DOB
Order Type	CHRG
Date/Time	12-JUN-18 12:08PM
Username	spcounter2

QTY SHIPPED	UOM	H M	ID NUMBER	DESCRIPTION HAZARD CLASS	LINE NO.	ITEM NUMBER	LOC	QTY ORDERED	QTY BKORD	BIN LOC	WEIGHT	UNIT AMOUNT	EXTENDED AMOUNT
6	EA			VKNG SZ 1/4 TYP 240UB DRILL (12)	2	VIK 240UB115	SPO	6		AG03L		1.700	10.20 T
6	EA			VKNG SZ 3/8 TYPE 240UB DRILL	1	VIK 240UB123	SPO	6		AI05A		3.800	22.80 T

PURCHASE ORDER NUMBER REQUIRED.

Signed by: tony

Subtotal 33.00  
 Tax 8.800% 2.90  
 Total Sale 35.90

TYPE													
DEL													
RET													

**NOTICE** IT IS THE RESPONSIBILITY OF THE PERSON SIGNING THIS FORM TO MAKE SURE THAT THE CYLINDER TRANSACTION SHOWN ABOVE IS CORRECT. THIS IS TO CERTIFY THAT THE HEREIN NAMED MATERIALS ARE PROPERLY CLASSIFIED, DESCRIBED, PACKAGED, MARKED AND LABELED, AND ARE IN PROPER CONDITION FOR TRANSPORTATION ACCORDING TO THE APPLICABLE REGULATIONS OF THE DEPARTMENT OF TRANSPORTATION.

10/18

CYLINDER VERIFICATION BY	PULLED BY	FILLED BY
CUSTOMER		

**IMPORTANT:** All invoices are payable in cash 30 days from the date the goods are delivered or the services are rendered. Late charges of 1.75% per month or a minimum of \$2.00 will be added to all accounts not paid on the due date. PLEASE READ CAREFULLY THE TERMS AND CONDITIONS, INCLUDING THE WARRANTY DISCLAIMER, WHICH APPEAR ON THE REVERSE SIDE. THEY ARE PART OF THIS INVOICE.

FOR CHEMICAL EMERGENCY, SPILL, LEAK, FIRE, EXPOSURE OR ACCIDENT CALL CHEMTREC DAY OR NIGHT 800-424-9303 • (703) 741-5000 FOR INFO.



# HDSUPPLY

CONSTRUCTION & INDUSTRIAL  
WHITE CAP

ON ACCOUNT



047 - Spokane  
3825 East Trent Ave.  
Spokane, WA, 99202  
(509) 535-5223

## RECEIPT

\*\*REPRINT\*\*

28852189

Sold To: 9091000  
APOLLO INC  
P O BOX 7305  
KENNEWICK, WA, 99336  
509-586-1104

Ship To: WWTP,10001352187  
765 W HUBBARD AVE  
COEUR D' ALENE, ID, 83814  
Job Site Contact: TONY DELPENA  
Job Site Phone: 509-948-2803  
Map #:

Printed By : Michael D

Printed Date : 06/12/2018 11:51 AM PACIFIC

Ordered By: TONY DELPENA

Contact Phone: 509-948-2803

Order Number		Order Date	Request Date	Invoice Date			Salesperson	
28852189		06/12/2018	06/12/2018				Mullen, J	
Terms		Shipping Method	Customer PO			Created By		
N30D		5. Walk In	P162			Michael D		
LN	Part	Description	Quantity	UOM	Price	Amount		
BLN	PLM	LOI/SN	ORD	SHR	BKG	Umf/WT	COO	
1.1	438431247	10OZ TUBE SIKAFLEX 1A LIMESTONE URETHANE SEALANT 24/BOX SIK	12	12	0	EA	\$6.20	\$74.40
1-A03 2-S14	VPN: 91016					1.0417 LBS		
2.1	438432297	29OZ LIMESTONE 1C SL SELF LEVELING POLYURETHANE SEALANT TUBE SIKAFLEX SIK	2	2	0	EA	\$16.74	\$33.48
1-A03 2-S13	VPN: 90942					2.92 LBS		
3.1	638B12Q	B12Q 1 QT CAULKING GUN 12 - 1 ALBION	1	1	0	EA	\$36.39	\$36.39
1-A03	VPN: B12Q					1.8125 LBS		

Shipped amount	\$144.27
Order charges	\$0.00
Tax amount	\$12.71
Lumber Tax rate/amount	1.00%
Order total	\$156.98
Deposit/funds tendered	\$0.00
Balance due	\$156.98



# Tacoma Screw Products, Inc.

# Invoice

[tacomascREW.com](http://tacomascREW.com)

Since 1946

**Fasteners • Tools • Maintenance & Shop Supplies**

REMIT TO Tacoma Screw Products, Inc.  
Attn: Accounts Receivable  
P.O. Box 35165  
Seattle, WA 98124-5165 U.S.A.

INVOICE #	24095484
LOCATION	SPOKANE
DATE	06/12/18
PAGE	1 OF 1



**BILL TO**

116002  
APOLLO INC  
ATTN SUPERVISOR ACCTS PAYABLE  
PO BOX 7305  
KENNEWICK, WA 99336-7305

**SHIP TO**

APOLLO INC  
ATTN RECEIVING  
1201 W COLUMBIA DRIVE  
KENNEWICK, WA 99336

ORDER NUMBER SV09523	ORDER DATE 06/12/18	ORIGINAL QUOTE	CUSTOMER P/O NUMBER P162	PAYMENT TERMS NET 30 DAYS
WRITTEN BY TCK	SALES REP SEC	CUST RELEASE#	JOB NUMBER	SHIP VIA WILL CALL SPOKANE

PRODUCT/DESCRIPTION	QUANTITY OPEN	QUANTITY SHIPPED	QUANTITY B/O	PRICE	U/M	TAX	EXTENSION
651-402 PLEWS 50-337 1 PT. OILER WITH FLEXIBLE SPOUT	2	2	0	12.9662	EA		25.93
662-002 RELTON PNT-NRT RAPID TAP CUTTING FLUID 1 PINT	1	1	0	9.1550	EA		9.16
657-001 PLEWS 75-751 UTILITY DRAIN PAN	1	1	0	10.1242	EA		10.12

Thank you for your order. Please note that all sales are subject to Tacoma Screw Products, Inc.'s Terms of Sale and Conditions of Sale. If there should be any questions, or if we can be of further service, please call (253) 672-3444 or (800) 562-8192. We appreciate and value your continued business.

MERCHANDISE TOTAL	HANDLING	MISC CHARGE	TAX	FREIGHT	DEPOSIT AMOUNT	DEPOSIT APPLIED	INVOICE TOTAL
45.21	0.00	0.00	3.98	0.00	0.00	0.00	49.19

PICK-UP SIGNATURE:

**TONY**

<b>I</b> NTERMOUNTAIN <b>I</b> NDUSTRIAL <b>I</b> NC.	1937 Middle Bear Creek Road Victor, MT 59875 Phone: (406)642-3294 Fax: (406)642-3747
---	---

May 23, 2018

To: Apollo, Inc.

Attn: Kevin Burke

Re: City of Coeur d'Alene Wastewater Department Tertiary Treatment Phase 2

**Supply 4 – L4x4x1/4 316LSS and 1 – 1/4" Carbon Steel Plate**

**Scope:**

4 – 316LSS L4x4x1/4 x 20' with 7/16" holes 9" C to C

1 – Carbon Steel 1/4" Plate x 4' x 5'-8" with 7/16" holes 12" C to C on 3 sides, supplied bare with no coatings

**Additional cost for material/work listed above: \$3,384.00**

Contractor certifies the above listed material has been changed from what was shown on the original quote. The material listed above is approved as an additive change order and amount quoted will be added to the contract amount if the change is accepted.

**ACCEPTED:**

**Apollo, Inc.**

**By:** \_\_\_\_\_

**Date:** \_\_\_\_\_

**Exclusions:**

All embedded anchor bolts, wedge anchor bolts, expansion anchor bolts, and epoxy anchor bolts other than required for fabricated items we supply  
Epoxy for threaded anchor studs we supply  
Embeds for Precast Concrete  
Fall arrest systems for ladders or manhole steps  
Trench drains  
Alhambra castings or any other cast iron of any kind  
Professional Engineers stamp on any drawings U.N.O.  
Fieldwork of any kind  
Valve extensions  
Warranty over 12 months  
Banded penetrations in metal grating if not field measured by the contractor before fabrication of the grating.  
Banded penetrations in FRP grating.  
Electrical work of any kind  
Field painting of any kind  
Cold Formed Metal Joists or light gage Framing  
Manhole Steps  
Rebar  
Piping, pipe supports, pipe couplings, studs and gaskets U.N.O.  
Site survey and field measurements  
Offloading at the site  
All screws & TEK fasteners  
All powder actuated fasteners  
All fasteners other than metal-to-metal fasteners required for fabricated items we supply  
Ladder returns, plastic wrap, beveled washers  
Handrail on equipment platforms or bridges  
All required permits  
Special inspections  
Any items not specifically listed in the scope.  
Liquidated/Consequential Damages  
Sales/MGR Tax  
Performance and payment bond

**Clarifications:**

We intend to work a straight time forty-hour week employing the maximum crew size that can efficiently perform the work. Premium time work that may be necessary due to conditions beyond our control to meet the specified schedule will have to be paid as a change in scope.

Quote is valid for 30 days.

Welding will be done to the latest version of AWS D 1.1, AWS D1.2 and AWS D1.6.

We are not an AISC Certified fabrication shop.

Our proposal is based upon receiving a standard purchase order with net 30 payment terms and monthly progress billings (net 30 days payment time from time that invoice is received) with no retainage. All other terms must be subject to negotiation.

Quote is based on full truck load quantities, partial shipment may be extra.

Thank you for the opportunity to offer this proposal. Please call if you have any questions or require any changes.

Sincerely,

Mike Cook, President



COLUMBIA RIGGING CORP.  
P.O. BOX 2717  
2407 EAST A STREET  
PASCO WA. 99302  
(BUS.)1-509-545-4657 (FAX) 1-509-545-8103

Invoice

DATE	INVOICE #
6/8/2018	32787

BILL TO
APOLLO INC. P.O. BOX 7305 KENNEWICK WA. 99336

SHIP TO

P.O. NUMBER	TERMS	REP	SHIP	VIA	F.O.B.	PROJECT
P162	Net 30		6/8/2018	W/C		

QUANTITY	ITEM CODE	DESCRIPTION	PRICE EACH	AMOUNT
<del>4</del>	<del>INV</del>	<del>OSP SLING BRAND EE-2-902P X 6 FT, EYE AND EYE  POLYESTER WEB SLINGS</del>	<del>24.20</del>	<del>96.80</del>
4	INV	OSP SLING BRAND EE-2-902P X 12 FT, EYE AND EYE POLYESTER WEB SLINGS	38.20	152.80
4	INV	OSP SLING BRAND EE-2-902P X 20 FT, EYE AND EYE POLYESTER WEB SLINGS	56.20	224.80
		Sales Tax	8.60%	40.80

APOLLO, INC.  
JUN 20 2018  
RECEIVED

<b>Total</b>	\$410.07 \$515.20
--------------	----------------------



INVOICE  
 SEND ALL PAYMENTS TO:  
 SUNBELT RENTALS, INC.  
 PO BOX 409211  
 ATLANTA, GA 30384-9211

INVOICE NO. 79582493-0001

ACCOUNT NO. 305018

INVOICE DATE 6/18/18

PAGE 1 of 1

INVOICE TO

tel: 603-740  
 APOLLO INC  
 PO BOX 7306  
 1207 W COLUMBIA DR  
 KENNEWICK WA 99336-3459

JOB ADDRESS

APOLLO INC  
 1080 HUBBORD AVE  
 COEUR D'ALENE, ID 83814  
 509-948-2803

RECEIVED BY

Marcus, Tony

CONTRACT NO.

79582493

PURCHASE ORDER NO.

P162

JOB NO.

162

BRANCH

POST FALLS ID PC124  
 573 N IDAHLINE RD  
 POST FALLS, ID 83854  
 208-777-4585

QTY	EQUIPMENT #	Min	Day	week	4 week	Amount
1	4000w NARROW HORIZONTAL MAST LIGHT TOWER 618769 Make: TEREX Model: RL4 Ser #: RL414-10958 HR OUT: 1259.600 HR IN: 1279.100 TOTAL: 19.500 Billed from 6/11/18 thru 6/15/18	115.00	115.00	315.00	575.00	315.00
1	4000w NARROW HORIZONTAL MAST LIGHT TOWER 595527 Make: TEREX Model: RL4 Ser #: RL414-10025 HR OUT: 2130.900 HR IN: 2151.400 TOTAL: 20.500	115.00	115.00	315.00	575.00	315.00
Rental Sub-total:						630.00
SALES ITEMS:						
Qty	Item number	Unit	Price			
1	DLPKSRCHG	EA	15.600			15.60
1	ENVIRONMENTAL SURCHARGE	EA	8.820			8.82
ENVIRONMENTAL FREIGHT:						130.00
FINAL BILL: 6/11/18 10:59 AM THRU 6/15/18 10:15 AM.						

Equipment. Service. Guaranteed.

REMIT TO:

SUNBELT RENTALS, INC.  
 PO BOX 409211  
 ATLANTA, GA 30384-9211

NET DUE UPON RECEIPT

Invoices not paid within 30 days may be subject  
 to a 1-1/2% per month charge.

SUBTOTAL 784.42

SALES TAX 39.27

INVOICE TOTAL 823.69

RENTAL RETURN





**PUMP SOLUTIONS**  
 BRANCH 54A  
 21514 STATE ROUTE 410 EAST  
 BONNEY LAKE WA 98391  
 360-890-3205  
 253-862-6766 FAX

# 157259332

Job Site  
Address

COEUR D' ALENE WWTP  
 765 W HUBBARD AVE  
 COEUR D ALENE ID 83814-2232

Office: 509-586-1104 Cell: 509-948-2803

Customer # : 91126  
 Quote Date : 05/14/18  
 Estimated Out : 06/08/18 10:00 AM  
 Estimated In : 06/15/18 10:00 AM  
 UR Job Loc : 765 W HUBBARD AVE, C  
 UR Job # : 175  
 Customer Job ID:  
 P.O. # : TBD  
 Ordered By : TONY DELAPENA  
 Written By : BRIAN HEWETT  
 Salesperson : FRANCISCO DE JESUS

APOLLO INC  
 PO BOX 7305  
 KENNEWICK WA 99336-0617

**This is not an invoice  
 Please do not pay from this document**

**RENTAL ITEMS:**

Qty	Equipment	Description	Minimum	Day	Week	4 Week	Estimated Amt
2	5202003	PUMP 4" VAC ASSIST - DIESEL Rates Based On Single Shift 0-8 Hrs DBL Shift 8-16 Hrs At A Rate Of 1.5X TPL Shift 16-24 Hrs At A Rate Of 2X ***** Routine Maintenance Is Required Every 250 Hours. United Rentals Can Provide The Service At Our Cost Plus 10%	299.00		748.00	1870.00	1,496.00
2	538/2230	HOSE 8X20 KANAFLEX SUCTION - QC		35.00	80.00	195.00	160.00
4	537/2730	HOSE 6X20 TANK TRUCK - BAUER		35.00	80.00	195.00	320.00
2	545/6821	8 X 6 FLANGED REDUCER		10.00	24.00	60.00	48.00
Rental Subtotal:							2,024.00

**SALES/MISCELLANEOUS ITEMS:**

Qty	Item	Price	Unit of Measure	Extended Amt
1	ENVIRONMENTAL SERVICE CHARGE	[ENV/MCI] 19.440	EACH	19.44
1	DELIVERY CHARGE	950.000	EACH	950.00
1	PICKUP CHARGE	950.000	EACH	950.00
Sales/Misc Subtotal:				1,919.44
Agreement Subtotal:				3,943.44
Tax:				122.61
Estimated Total:				4,066.05

**COMMENTS/NOTES:**

CONTACT: TONY DELAPENA  
 CELL#: 509-948-2803

\*\*\*\*\*  
 CUSTOMER RESPONSIBLE FOR ANY DAMAGE TO  
 PUMP INCLUDING DAMAGE FROM LIQUID THAT  
 IS BEING PUMPED  
 \*\*\*\*\*

CUSTOMER TO BREAK DOWN AND STAGE  
 RENTAL EQUIPMENT FOR PICK UP TO AVOID  
 FURTHER LABOR CHARGES  
 \*\*\*\*\*

CUSTOMER REQUIRED TO CLEAN AND FLUSH  
 OUT ALL PUMPS AND HOSES PRIOR TO  
 RETURNING TO AVOID ADDITIONAL CLEANING  
 CHARGES (CHLORINE FLUSH FOR SEWER)  
 \*\*\*\*\*

AT END OF RENTAL PLEASE DRAIN PUMP.  
 VALVE IS UNDER SUCTION SIDE OF PUMP.

This proposal may be withdrawn if not accepted within 30 days. The above referenced Rental Protection Plan, environmental, and tax charges are estimates and are subject to change.

THIS IS NOT A RENTAL AGREEMENT. THE RENTAL OF EQUIPMENT AND ANY OTHER ITEMS LISTED ABOVE IS SUBJECT TO AVAILABILITY AND ACCEPTANCE OF THE TERMS AND CONDITIONS OF UNITED'S RENTAL AGREEMENT, WHICH MUST BE SIGNED PRIOR TO OR UPON DELIVERY OF THE EQUIPMENT AND OTHER ITEMS.

**From:** [Jeff Ilenstine](#)  
**To:** [Amy Jenne](#); [Kevin Burke](#)  
**Cc:** [Cory Bond](#)  
**Subject:** RE: WCD-21 SOG pad rebar  
**Date:** Wednesday, May 9, 2018 9:45:53 AM

---

Amy, there are actually 2 items for change order and I'll get them both here.

1. Kevin changed a piece of precast to CIP, adding 519 #'s. Furnish & Install = \$493.
2. Kevin just gave us a new slab, 9'-8" x 18'-11". Furnish & Install = \$387.

Let me know if you need anything else.

Thanks,

Jeff

**Jeff Ilenstine**  
President  
Tri States Rebar, Inc.  
(509) 922-5901

---

**From:** Amy Jenne [mailto:[amy.jenne@apollo-gc.com](mailto:amy.jenne@apollo-gc.com)]  
**Sent:** Wednesday, May 09, 2018 9:20 AM  
**To:** Kevin Burke; Jeff Ilenstine  
**Cc:** Cory Bond  
**Subject:** RE: WCD-21 SOG pad rebar

Jeff,  
Let me know what your quote is for this so I can get a change order out.

Thanks.  
Amy

---

**From:** Kevin Burke  
**Sent:** Tuesday, May 8, 2018 5:50 PM  
**To:** Jeff Ilenstine <[jeffi@tristatesrebar.com](mailto:jeffi@tristatesrebar.com)>  
**Cc:** Amy Jenne <[amy.jenne@apollo-gc.com](mailto:amy.jenne@apollo-gc.com)>; Cory Bond <[cbond@apollo-gc.com](mailto:cbond@apollo-gc.com)>  
**Subject:** WCD-21 SOG pad rebar

Jeff,

Attached is WCD-21. It adds a 6" SOG pad with 1 mat of #5 rebar at 12" centers. The pad dimensions are 9'8" by 18'11 1/2". Please produce this package and send out for placement early next week. This is changed work.

Kevin Burke  
General Superintendent  
Cell (509) 947-4607

[kburke@apollo-gc.com](mailto:kburke@apollo-gc.com)



**From:** Scan

**Sent:** Tuesday, May 8, 2018 6:08 PM

**To:** Kevin Burke <[kburke@apollo-gc.com](mailto:kburke@apollo-gc.com)>

**Subject:** Attached Image

## Disclaimer

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**SMS**  
Smith Monroe Gray  
ENGINEERS, INC.

Apollo Inc.  
1133 W. Columbia Dr.  
Kennewick, WA 99336

Invoice number 1707308  
Date 04/27/2018

Project 17-073 COEUR D'ALENE WWTP

Professional Services through April 21, 2018


**PHASE G-- DISTRIBUTION STRUCTURE PRECAST WALL**

Contacted by Amy Jenne

LABOR

	Hours	Rate	Billed Amount
Engineer & Designer	29.00	112.00	3,248.00
Senior Engineer	0.50	155.00	77.50
Phase subtotal			3,325.50
		Invoice total	3,325.50

Approved by:



Bj J. Morgan

2% Discount/15 Days, Net 30--Overdue Accounts Subject to 1% Month Charge

Date of Issuance: April 3, 2018 Effective Date: April 3, 2018  
 Owner: City of Coeur d'Alene, ID Owner's Contract No.:  
 Contractor: Apollo Contractor's Project No.:  
 Engineer: HDR Engineer's Project No.: 10026247  
 Project: CDA Tertiary Phase 2 Improvements Contract Name:

**Contractor is directed to proceed promptly with the following change(s):**

Description:

Secondary Influent Structure Modifications:

1. Install a new cast-in-place concrete wall in existing Secondary Distribution Structure.  
 The concrete wall shall be pre-engineered for lifting tolerances, pre-cast on-site and lifted into place.
  - a. The wall shall be 8-inches wide and captured between two 4"x4"x1/4" 316 SS angles and 1/2" 316 SS anchors at 18-inches on center.
  - b. The wall shall be nested in a 1 1/2" bed of grout, and built to accommodate 1 1/2" of grout on each side poured after the wall is set. The grout allows for imperfections in the floor and the walls.
2. Install a new 36" x 36" face mounted, downward opening stainless steel slide gate on the new concrete wall. Gate to have a seating and unseating head of 3 feet and crank handle. See Specification Section 40 05 59 for additional requirements.
3. Gate SLG-501-32 to be used on PC #3 Effluent Box with an adjusted operating rod. See CPR 13.
4. Dimensions of existing structures were verified by Contractor during deactivation request on February 15, 2018.
5. See modifications on Drawings 001C501 attached.

Extension of 1"-SHY line:

1. Install new tee. See Specification Section 40 05 00 – 3.12.F.
2. Install two plastic ball valves on 1"-SHY line. See Specification Section 40 05 63 – 2.3. Additionally, provide "vented" ball valves for all services with greater than 5 percent concentrated sodium hypochlorite.
3. Route new 1"-SHY line to Secondary Effluent Pumping Station. See Specification Section 31 23 33 for trenching, backfilling, and compaction requirements.
4. See modifications on Drawings 001C203, 501D901, and 591D01 attached.
5. Provide a negative slope on secondary containment piping extending 2-inches beyond the inside face of the basement wall. This will allow leaking to be more readily noticed.

Contractor shall confirm work activities daily with on-site RPR.

Attachments:

1. Drawing 001C203, 001C501, 501D901 and 591D101 modifications
2. Detail 3 on 001C501 does not apply as contractor desires to engineer the wall to verify he can pick it up, and the wall will be precast. Apollo is thinking they need a double mat of rebar.

- Non-agreement on pricing of proposed change.
- Necessity to proceed for schedule or other Project reasons.

**Estimated Change in Contract Price and Contract Times (non-binding, preliminary):**

Contract Price \$ TBD increase  
Contract Time 0 days [increase] [decrease].

**Basis of estimated change in Contract Price:**

Lump Sum  Unit Price  
 Cost of the Work per Day  Other

**RECOMMENDED:**

**AUTHORIZED BY:**

**RECEIVED:**

By:   
\_\_\_\_\_  
Engineer (Authorized Signature)

By:   
\_\_\_\_\_  
Owner (Authorized Signature)

By:   
\_\_\_\_\_  
Contractor (Authorized Signature)

Title: Project Manager

Title: Cap. Program MGR.

Title: VP

Date: 04/03/2018

Date: 4-4-2018

Date: 4/4/18

WCD 025

HEAT TRACE & INSULATION FOR PERMEATE PIPING





February 14, 2019

Apollo, Inc.  
1133 West Columbia Drive  
Kennewick, WA 99336

Attn: Amy Jenne

Re: Coeur d'Alene Tertiary Treatment Phase 2 project  
WCD 025 – Heat Trace & Insulation  
Engineer's Decision

Amy,

We have reviewed your cost proposal for WCD 025 – Heat Trace & Insulation. An adjustment has been made to Tanz Mechanicals Cost Estimate Detail Sheet to reduce their overhead and profit from 21% to the Contract allowed 15% markup. With this adjustment, we have found your submitted cost proposal to be acceptable.

A total cost of \$75,368.81 and a total of 0 calendar days will be included in the forthcoming final Change Order.

Sincerely,  
HDR Engineering, Inc.

A handwritten signature in blue ink, appearing to read 'Todd Jensen'.

Todd Jensen, PE, CCM  
*Construction Manager*

cc: Jim Remitz – City of Coeur d'Alene Wastewater Department  
Rickey Schultz – HDR  
Mike Soucie – HDR  
Mary Scalise – HDR

Date of Issuance: 04/06/18 Effective Date: 04/06/18  
 Owner: City of Coeur d'Alene, ID Owner's Contract No.:  
 Contractor: Apollo Contractor's Project No.:  
 Engineer: HDR Engineer's Project No.: 10026247  
 Project: CDA Tertiary Phase 2 Improvements Contract Name:

**Contractor is directed to proceed promptly with the following change(s):**Description:

Contractor shall remove existing heat trace and insulation on exterior permeate piping for Membrane Trains 1 and 2. Replace with new heat trace and insulation. See Specification Sections 40 41 13 and 40 42 00. Reuse existing aluminum shroud to greatest extent possible.

Additionally, the scale for Sheet 610E105 is incorrectly shown as 3/8" = 1' -0". The correct scale is 3/16" = 1' -0". Therefore, Contractor shall provide cost and labor for installation for additional heat trace and insulation required.

Contractor shall confirm work activities daily with on-site RPR.

Attachments:

1)

**Purpose for Work Change Directive:**

Directive to proceed promptly with the Work described herein, prior to agreeing to changes on Contract Price and Contract Time, is issued due to:

- Non-agreement on pricing of proposed change.  
 Necessity to proceed for schedule or other Project reasons.

**Estimated Change in Contract Price and Contract Times (non-binding, preliminary):**

Contract Price \$ TBD increase  
 Contract Time 0 days

**Basis of estimated change in Contract Price:**

- Lump Sum  Unit Price  
 Cost of the Work  Other

**RECOMMENDED:****AUTHORIZED BY:****RECEIVED:**

By:   
 Engineer (Authorized Signature)

By:   
 Owner (Authorized Signature)

By:   
 Contractor (Authorized Signature)

Title: Project Manager

Title: Cap. Program Mgr

Title: VP

Date: 04/06/18

Date: 4-6-2018

Date: 5/1/18



**/// BUILDING PEOPLE WHO BUILD GREAT THINGS**

**Work Change Directive**  
 Project: City of Coeur d'Alene Tertiary Treatment Phase 2  
 Apollo Inc.

WCD No: 25 R1

Date: 01/31/19

Description	Labor	Mat	Equip.	Subcont. Total	Supp Total	Total
Heat Trace & Insulation	\$ 1,877.90	\$ -	\$ -	\$ 75,843.00	\$ -	\$ 77,720.91
<b>SUBTOTAL COST &gt;</b>						<b>\$ 77,720.91</b>
Insurance Premium .5% - Changed Work >						\$ 388.60
Bond Premium .75% - Changed Work >						\$ 582.91
<b>TOTAL LUMP SUM COST &gt;</b>						<b>\$ 78,692.42</b>

**Work Change Directive**  
**Project: City of Coeur d'Alene Tertiary Treatment Phase 2**  
**Apollo Inc.**

**WCD No:** 25 R1  
**Item No:** 1  
**Date:** 1/31/19

*Item Description: Heat Trace & Insulation for Membrane Trains 1 & 2 and Scale Correction*

Description	Qty	U of M	Rate	Labor	Unit	Rate	Mat	Unit	Rate	Equip.	Subcont. Total	Total
<b>APOLLO - PROJECT SUPERVISION COSTS</b>												
Project Manager	4.0	HR	\$ 90.00	\$ 360.00								\$ 360.00
Project Superintendent	16.0	HR	\$ 79.56	\$ 1,272.96								\$ 1,272.96
Site Civil Superintendent	0.0	HR	\$ 68.08	\$ -								\$ -
Apollo - Subtotal Direct Costs >				\$ 1,632.96			\$ -			\$ -		\$ 1,632.96
Markup on Self-Performed Labor, Mat'ls & Equipment >	15.0%			\$ 244.94			\$ -			\$ -		\$ 244.94
<b>SUBCONTRACTOR COSTS</b>												
Tanz Mechanical	1.0										\$ 63,046.32	\$ 63,046.32
Mountain States Electric	1.0										\$ 9,185.11	\$ 9,185.11
Subtotal Subcontractors Costs >											\$ 72,231.43	\$ 72,231.43
Markup on Subcontractor Costs >	5.0%										\$ 3,611.57	\$ 3,611.57

<b>Contractor - Total Direct Costs w/Markup &gt;</b>	<b>\$ 77,720.91</b>
Insurance Premium .5% - Changed Work >	\$ 388.60
Bond Premium .75% - Changed Work >	\$ 582.91
<b>TOTAL LUMP SUM COST &gt;</b>	<b>\$ 78,692.42</b>





**TIME and MATERIAL COST**

Request No: 23

To: CITY OF CDA - WWTP

Date Of Proposal: 6/18/2018

Job #: 17-010

Regarding: WCD-025

Job Name: CDA TERITARY TREATMENT PHASE 2

Attention: \_\_\_\_\_

Work To Be Done: PER WCD-025 - SUPPLY AND INSTALL ADDITIONAL HEAT TRACE FOR  
TMF TRAINS 1 and 2, AND FOOTAGE ADJUSTMENT DUE TO INCORRECT  
SCALE ON DRAWING 610E105

**LABOR CLASSIFICATION**

	<u>RATES</u>			<u>HOURS</u>			<u>EXTENDED</u>
	STRAIGHT	OVERTIME	DBL TIME	STRAIGHT	OVERTIME	DOUBLE TIME	
FOREMAN	\$ 70.99	\$ 95.14	\$ 119.29	7.00			\$ 496.93
JOURNEYMAN	\$ 66.50	\$ 88.47	\$ 110.40				\$ -
APPRENTICE	\$ 41.14	\$ 64.50	\$ 90.55	7.00			\$ 287.98
PROJECT MANAGER	\$ 85.00						\$ -
<b>LABOR SUB TOTAL</b>							<b>\$ 784.91</b>

**EQUIPMENT**

COST + 15%	<u>RATES</u>				QUANTITY	<u>EXTENDED</u>
	HOUR	DAY	WEEK	MONTH		
<b>TOOL SUB TOTAL</b>						<b>\$ -</b>

**MATERIAL**

COST + 15%	<u>EXTENDED</u>	
HEAT TRACE and COMPONENTS	\$ 7,304.52	
<b>MATERIAL SUB TOTAL</b>		<b>\$ 8,400.20</b>

**SUB-CONTRACTOR**

COST + 15%	<u>EXTENDED</u>	
<b>SUB-CONTRACTOR SUB TOTAL</b>		<b>\$ -</b>

**Total Proposed Change Order price: \$ 9,185.11**

Submitted By: DAVE PERRINS, Project Manager Date: 6/18/2018

Approved By: \_\_\_\_\_ Date: \_\_\_\_\_

Title \_\_\_\_\_

Report selections:	Job: 17010	Superintendent: ALL	From transaction date: Inception
	Phase: CO023	Estimator: ALL	To transaction date: 06/14/18
	Employee: ALL	Project manager: ALL	
	Job status: Active	Division: ALL	

**MOUNTAIN STATES ELECTRICAL  
Payroll Hours Analysis Report  
Phase Detail**

Job: 17010 CDA TERTIARY TREATMENT

Employee Code	Employee Name	Hours			Earnings			Burden Total
		Regular	Overtime	Total	Regular	Overtime	Total	
CO-023	WCD 25 TMF HEAT TRACE							
MCCPET	PETE MCCLURE	7.00		7.00				
SMITRA	TRAVIS W SMITH	7.00		7.00				
<b>Total for phase: CO-023</b>		<b>14.00</b>	<b>0.00</b>	<b>14.00</b>		<b>0.00</b>		
<b>Total for job: 17010</b>		<b>14.00</b>	<b>0.00</b>	<b>14.00</b>		<b>0.00</b>		
<b>Report totals:</b>		<b>14.00</b>	<b>0.00</b>	<b>14.00</b>		<b>0.00</b>		





4001 E. FERRY AVE  
SPOKANE WA 99202-4647

# INVOICE

**Invoice Questions Please Call or Email**

509-332-7100 or ARQuestions@graybar.com

Invoice No: 9303220187  
 Invoice Date: 03/28/2018  
 Account Number: JP8766904  
 Account Name: MTN STATES WATER TREATMT PLANT

**Remit Payments To:**

GRAYBAR ELECTRIC CO  
 FILE 57073  
 LOS ANGELES CA 90074-7073

MOUNTAIN STATES ELECTRIC  
 PO BOX 4325  
 SPOKANE WA 99220-0325

Ship to:  
 MTN STATES/CDA WATER TREATMT  
 PLANT 1220 E 1ST AVE  
 SPOKANE WA 99202-2106

Order No: 16-038						SO#: 363075764	
Del. Doc. #:	PRO #	Routing	Date Shipped	Shipped From	F.O.B.	Rt. To	
0363075764			03/21/2018	FACTORY			

Signed For By:

Quantity	Catalog # / Description	Unit Price / Unit	Amount
457	HSRL8-2CT 8W/FT 240V CHROMALOX	11.82 / 1	5,401.74

<b>Terms of Payment</b> 1% 10th Prox., net 15th Prox. As a condition of the sales agreement, a monthly service charge of the lesser of 1-1/2% or the maximum permitted by law may be added to all accounts not paid by net due date. Visa, MasterCard, American Express, and Discover credit cards are accepted at point of purchase only.	Sub Total	5,401.74
	Freight & Handling	0.00
	Tax	0.00
	<b>Total Due</b>	<b>5,401.74</b>
	Cash Discount (if paid within terms)	54.02-

**SUBJECT TO THE STANDARD TERMS AND CONDITIONS LISTED ON [WWW.GRAYBAR.COM](http://WWW.GRAYBAR.COM).**



4001 E FERRY AVE  
SPOKANE WA 99202-4647

# INVOICE

**Invoice Questions Please Call or Email**

509-532-7100 or ARQuestions@graybar.com

Invoice No: 9303575796  
 Invoice Date: 04/18/2018  
 Account Number: JP8744877  
 Account Name: MTN STATES/CDA WWTP PHASE 2

**Remit Payments To:**

GRAYBAR ELECTRIC CO  
 FILE 57073  
 LOS ANGELES CA 90074-7073

MOUNTAIN STATES ELECTRIC  
 PO BOX 4325  
 SPOKANE WA 99220-0325

Ship to:  
 MTN STATES/CDA WWTP PHASE 2  
 1220 E. 1ST  
 SPOKANE WA 99202-2106

Order No: 17-010						SOW: 363373605	
Def. Doc. #:	PRO #	Routing	Date Shipped	Shipped From	F.O.B.	Rt. To	
0363373605			04/13/2018	FACTORY			

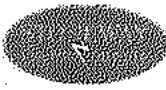
Signed For By:

Quantity	Catalog # / Description	Unit Price / Unit	Amount
110	382029 CHROMALOX HSRLB-2CT 8W/FT 240V	11.82 / 1	1,300.20
2	394257 CHROMALOX UESL LIGHTED END SEAL KIT	168.06 / 1	336.12

C/O#  
23

<b>Terms of Payment</b> 1% 10th Prox., net 15th Prox. As a condition of the sales agreement, a monthly service charge of the lesser of 1-1/2% or the maximum permitted by law may be added to all accounts not paid by net due date. Visa, MasterCard, American Express, and Discover credit cards are accepted at point of purchase only.	Freight & Handling 59.66 Tax 149.25 <b>Total Due</b> 1,845.23 Cash Discount (if paid within terms) 16.38-	1,636.32
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**SUBJECT TO THE STANDARD TERMS AND CONDITIONS LISTED ON [WWW.GRAYBAR.COM](http://WWW.GRAYBAR.COM).**



**STONEWAY ELECTRIC SUPPLY**  
WHOLESALE DISTRIBUTOR



STONEWAY ELECTRIC  
402 NORTH PERRY ST  
SPOKANE WA 99202-2921  
509-535-2933 Fax 509-534-4512

# INVOICE

INVOICE DATE	INVOICE NUMBER
03/29/18	S102349843.001
REMIT TO:	PAGE NO.
Stoneway Electric Supply P.O. Box 4037 Spokane, WA 99220-0037 800-841-1408	1 of 1

**BILL TO:**

**SHIP TO:**

MOUNTAIN STATES ELECTRIC  
PO BOX 4325  
SPOKANE WA 99220-0325

MTN STATES 17-010 CDA WWTP #2  
765 W HUBBARD AVE  
CDA WWTP PH2 /17-010  
COEUR D ALENE ID 83814

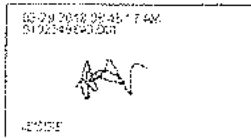
CUSTOMER NUMBER	CUSTOMER PO NUMBER	JOB NAME / RELEASE NUMBER	SALESPERSON	
4774	17-010	CDA WWTP PH2	DAN KECK	
WRITER	SHIP VIA	TERMS	SHIP DATE	ORDER DATE
CHRIS BELOTE	WILL CALL	PA 10th Due 25th	03/29/18	03/29/18
ORDER QTY	SHIP QTY	DESCRIPTION	UNIT PRICE	EXT PRICE
5ea	5ea	3M 27-3/4"X66 GLASS CLOTH TAPE	11.510E	57.55



**GO FROM GETTING A STATEMENT TO MAKING A STATEMENT**  
At Stoneway, we want to make it as easy as possible for you to do business with us. That is why we are offering electronic billing. You will get your bills faster, eliminate messy paper and help the environment. We offer three electronic options: Email, Fax or Online. To sign up contact Karen Whitlock at 1-800-841-1408 or kwhitlock@stoneway.com

If paid by 05/10/18 you may deduct \$1.15  
Invoice is due by 05/25/18 net of any cash discount.

RETURN MUST HAVE OUR PRIOR CONSENT. THIS ORIGINAL INVOICE NUMBER AND DATE MUST ACCOMPANY RETURNS. ALL RETURNED MERCHANDISE SUBJECT TO A 15% HANDLING FEE. RETURNING CHARGE. ALL RETURNS MUST BE MADE ON NON-RETURNED ITEMS OR PLANNED FOR MORE THAN 30 DAYS.  
CLAIMS OR REFUNDMENTS OF ANY KIND MUST BE MADE WITHIN 90 DAYS OF INVOICE DATE.



Subtotal	57.55
S&H Charges	0.00
Tax	0.00
Payments	0.00
Amount Due	57.55

ACCOUNTS PAST DUE ARE SUBJECT TO A SERVICE CHARGE OF 1-1/2% PER MONTH

\* This line is taxable.

TO VIEW AND PAY ONLINE GO TO:	<a href="http://stonewayelectricbilltrust.com">http://stonewayelectricbilltrust.com</a>	USE THIS ENROLLMENT TOKEN:	HPV PDS MRD
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WCD 026

NEW TRANSFORMER FOR UV SYSTEM LOCAL CONTROL PANEL



June 29, 2018

Apollo, Inc.  
1133 West Columbia Drive  
Kennewick, WA 99336

Attn: Amy Jenne

Re: Coeur d'Alene Tertiary Treatment Phase 2 project  
WCD 026 – New Transformer for UV LCP  
Engineer's Decision

Amy,

We have reviewed your cost proposal for WCD 026 – New Transformer for UV LCP. We have found your submitted cost proposal to be acceptable.

A total cost of \$5,498.94 and a total of 0 calendar days will be included in the forthcoming final Change Order.

Sincerely,  
HDR Engineering, Inc.

A handwritten signature in blue ink, appearing to read 'Todd Jensen'.

Todd Jensen, PE, CCM  
*Construction Manager*

cc: Jim Remitz – City of Coeur d'Alene Wastewater Department  
Rickey Schultz – HDR  
Mike Soucie – HDR  
Mary Scalise – HDR

Date of Issuance: 04/10/18 Effective Date: 04/10/18  
 Owner: City of Coeur d'Alene, ID Owner's Contract No.:  
 Contractor: Apollo Contractor's Project No.:  
 Engineer: HDR Engineer's Project No.: 10026247  
 Project: CDA Tertiary Phase 2 Improvements Contract Name:

**Contractor is directed to proceed promptly with the following change(s):**Description:

Provide one (1) 15kVA, 480:480/277V isolation transformer, delta:wyeground, with (3) #6 AWG, (1) #10 AWG EGC primary conductors and (4) #6 AWG, (1) #10 AWG EGC secondary conductors. Install transformer with ceiling mounts affixed to ceiling of TMF basement nearest the South floor penetration from MCC-610-02. See attached image. Intercept existing run to UV panel from MCC-610-02, install FLEX-LT to/from transformer and reconnect to UV LCP-6108-01. Transformer to be labeled as XFMR-6108-01.

Attachments:

1) Photo

**Purpose for Work Change Directive:**

Directive to proceed promptly with the Work described herein, prior to agreeing to changes on Contract Price and Contract Time, is issued due to:

- Non-agreement on pricing of proposed change.  
 Necessity to proceed for schedule or other Project reasons.




**Estimated Change in Contract Price and Contract Times (non-binding, preliminary):**

Contract Price \$ TBD increase  
 Contract Time 0 days

**Basis of estimated change in Contract Price:**

- Lump Sum  Unit Price  
 Cost of the Work  Other

**RECOMMENDED:****AUTHORIZED BY:****RECEIVED:**

By: 	By: 	By: 
Engineer (Authorized Signature)	Owner (Authorized Signature)	Contractor (Authorized Signature)
Title: Project Manager	Title: Cap. Program Mgr.	Title: VP
Date: 04/10/18	Date: 4-10-2018	Date: 4/12/18



**/// BUILDING PEOPLE WHO BUILD GREAT THINGS**

**Work Change Directive**  
 Project: City of Coeur d'Alene Tertiary Treatment Phase 2  
 Apollo Inc.

WCD No: 26 Rev 1

Date: 06/26/18

Description	Labor	Mat	Equip.	Subcont. Total	Supp Total	Total
Transformer for UV LCP	\$ 389.99	\$ -	\$ -	\$ 5,030.89	\$ 10.17	\$ 5,431.05
<b>SUBTOTAL COST &gt;</b>						<b>\$ 5,431.05</b>
Insurance Premium .5% - Changed Work >						\$ 27.16
Bond Premium .75% - Changed Work >						\$ 40.73
<b>TOTAL LUMP SUM COST &gt;</b>						<b>\$ 5,498.94</b>



Work Change Directive  
 Project: City of Coeur d'Alene Tertiary Treatment Phase 2  
 Apollo Inc.

WCD No: 26 Rev 1  
 Item No: 1  
 Date: 6/26/18

Item Description: New Transformer for UV LCP

Description	Qty	U of M	Rate	Labor	Unit	Rate	Mat	Unit	Rate	Equip.	Subcont. Total	Total
<b>APOLLO - PROJECT SUPERVISION COSTS</b>												
Project Manager	2.0	HR	\$ 90.00	\$ 180.00								\$ 180.00
Project Superintendent	2.0	HR	\$ 79.56	\$ 159.12								\$ 159.12
Site Civil Superintendent	0.0	HR	\$ 68.08	\$ -								\$ -
Apollo - Subtotal Direct Costs >				\$ 339.12			\$ -			\$ -		\$ 339.12
Markup on Self-Performed Labor, Mat'ls & Equipment >	15.0%			\$ 50.87			\$ -			\$ -		\$ 50.87
<b>SUBCONTRACTOR COSTS</b>												
Mountain States Electric	1.0										\$ 4,791.32	\$ 4,791.32
Subtotal Subcontractors Costs >											\$ 4,791.32	\$ 4,791.32
Markup on Subcontractor Costs >	5.0%										\$ 239.57	\$ 239.57
<b>SUPPLEMENTAL COSTS</b>												
Special Consultants											\$ -	\$ -
Subsistence for Project Supervision					HR	\$ 11.25	\$ -					\$ -
Temporary Facilities at the Site					LS		\$ -					\$ -
Small Tools	1.0				LS	\$ 10.17	\$ 10.17					\$ 10.17
Subtotal Supplementary Costs >							\$ 10.17				\$ -	\$ 10.17
Markup on Supplementary Costs >	0.0											

Contractor - Total Direct Costs w/Markup >	\$	5,431.05
Insurance Premium .5% - Changed Work >	\$	27.16
Bond Premium .75% - Changed Work >	\$	40.73
<b>TOTAL LUMP SUM COST &gt;</b>	<b>\$</b>	<b>5,498.94</b>



**TIME and MATERIAL COST**

Request No: 22

To: CITY OF CDA - WWTP

Date Of Proposal: 6/4/2018

Job #: 17-010

Regarding: WCD-026

Job Name: CDA TERITARY TREATMENT PHASE 2

Attention: \_\_\_\_\_

Work To Be Done: PER WCD-026 - SUPPLY AND INSTALL ISOLATION TRANSFORMER FOR UV SYSTEM

**LABOR CLASSIFICATION**

	<u>RATES</u>			<u>HOURS</u>			<u>EXTENDED</u>
	STRAIGHT	OVERTIME	DBL TIME	STRAIGHT	OVERTIME	DOUBLE TIME	
FOREMAN	\$ 70.99	\$ 95.14	\$ 119.29	28.00			\$ 1,987.72
JOURNEYMAN	\$ 66.50	\$ 88.47	\$ 110.40	15.00			\$ 997.50
APPRENTICE	\$ 41.14	\$ 64.50	\$ 90.55				\$ -
PROJECT MANAGER	\$ 85.00						\$ -
<b>LABOR SUB TOTAL</b>							<b>\$ 2,985.22</b>

**EQUIPMENT**

COST + 15%	<u>RATES</u>				QUANTITY	<u>EXTENDED</u>
	HOUR	DAY	WEEK	MONTH		
<b>TOOL SUB TOTAL</b>						<b>\$ -</b>

**MATERIAL**

COST + 15%	<u>EXTENDED</u>	
SEE ATTACHED	\$ 475.66	
NORTHCOAST - TRANSFORMER	\$ 1,094.86	
<b>MATERIAL SUB TOTAL</b>		<b>\$ 1,806.10</b>

**SUB-CONTRACTOR**

COST + 15%	<u>EXTENDED</u>	
<b>SUB-CONTRACTOR SUB TOTAL</b>		<b>\$ -</b>

**Total Proposed Change Order price: \$ 4,791.32**

Submitted By: DAVE PERRINS, Project Manager Date: 6/4/2018

Approved By: \_\_\_\_\_ Date: \_\_\_\_\_

Title \_\_\_\_\_

<b>Report selections:</b>	<b>Job:</b> 17010	<b>Superintendent:</b> ALL	<b>From transaction date:</b> Inception
	<b>Phase:</b> CO022	<b>Estimator:</b> ALL	<b>To transaction date:</b> 05/17/18
	<b>Employee:</b> ALL	<b>Project manager:</b> ALL	
	<b>Job status:</b> Active	<b>Division:</b> ALL	

**MOUNTAIN STATES ELECTRICAL  
Payroll Hours Analysis Report  
Phase Detail**

**Job: 17010 CDA TERTIARY TREATMENT**

Employee Code	Employee Name	Hours			Earnings			Burden Total
		Regular	Overtime	Total	Regular	Overtime	Total	
CO-022	UV ISO TRANSFORMER							
MCCPET	PETE MCCLURE	28.00		28.00				
SMITRA	TRAVIS W SMITH	15.00		15.00				
<b>Total for phase: CO-022</b>		<b>43.00</b>	<b>0.00</b>	<b>43.00</b>		<b>0.00</b>		
<b>Total for job: 17010</b>		<b>43.00</b>	<b>0.00</b>	<b>43.00</b>		<b>0.00</b>		
<b>Report totals:</b>		<b>43.00</b>	<b>0.00</b>	<b>43.00</b>		<b>0.00</b>		



MARCH 6, 2018

CDA TERTIARY TREATMENT PHASE 2

JOB NUMBER : 17-010

WCD-026

QTY	ITEM DESCRIPTION	UNIT PRICE	EXTENDED PRICE
20	1/2" Allthread	\$ 1.99	\$ 39.80
1	1/2" Hardware	\$ 25.00	\$ 25.00
10	1 5/8" Unistrut	\$ 4.34	\$ 43.40
10	1" LT Flex	\$ 3.87	\$ 38.70
2	1" LT Flex Straight Connectors	\$ 7.20	\$ 14.40
2	1" LT Flex 90 Connectors	\$ 12.01	\$ 24.02
10	1" GRC	\$ 5.05	\$ 50.50
4	1" GRC Couplings	\$ 1.04	\$ 4.16
12	# 6 Wire Lugs	\$ 0.70	\$ 8.40
2	1" Ground Bushings	\$ 10.00	\$ 20.00
5	1" GRC Strut Straps	\$ 1.40	\$ 7.00
120	# 6 XHHW Wire	\$ 0.83	\$ 99.60
20	# 8 THHN Wire	\$ 0.38	\$ 7.60
15	3/4" Back Straps / Straps	\$ 3.70	\$ 55.50
1	3/4" Schedule 80 PVC LB	\$ 8.78	\$ 8.78
40	3/4" Schedule 80 PVC	\$ 0.72	\$ 28.80
			\$ -
			\$ -
			\$ -
	<b>TOTAL</b>		<b>\$ 475.66</b>



4216 E. MAIN AVE  
 SPOKANE WA 99202-4743  
 509-328-1020 Fax 509-328-2107

# INVOICE

INVOICE NUMBER	INVOICE DATE	SHIP DATE	CUSTOMER NUM
S8526858.001	04/16/18	04/16/18	118062
<b>PLEASE REMIT PAYMENT TO:</b>			
NORTH COAST ELECTRIC COMPANY PO BOX 34399 SEATTLE WA 98124-1399			

SHIP TO:

MOUNTAIN STATES EL. CONTR. INC.  
 PO BOX 4325  
 SPOKANE WA 99220-0325

MOUNTAIN STATES / COUER D ALENE WTP  
 1220 E 1ST ST  
 SPOKANE WA 99202

ORDER DATE	ORDERED BY	CUSTOMER PO NO	SHIP VIA	WRITER	BRANCH
04/03/18	DAVE PERRINS	17-010 CO22	BEST METHOD	James Carrillo	330
LINE	ITEM DESCRIPTION	QTY ORDERED	QTY SHIPPED	NET PRICE	EXTENSION
1	HAM SG3A0015KK D16 SNTL-G 3PH 15KVA 480D-480Y/277V AL 60HZ 150C 3R	1	1	1094.860E	1094.86

Invoice is due by 05/25/18.

Web Enrollment Token: FLS VSK KKP <http://northcoast.billtrust.com>

All sales are conditioned upon purchaser's agreement to North Coast Electric Company's Standard Terms and Conditions Applying to All Sales, set out in Form NC055 available at <https://www.northcoastelectric.com/termsandconditions> or upon request.

Subtotal	1094.86
S&H Charges	
Sales Tax	0.00
<b>Amount Due</b>	<b>1094.86</b>

All charges are in US Dollars.

WCD 027

HEAT TRACE ALARMING



July 25, 2018

Apollo, Inc.  
1133 West Columbia Drive  
Kennewick, WA 99336

Attn: Amy Jenne

Re: Coeur d'Alene Tertiary Treatment Phase 2 project  
WCD 027 – Heat Trace Alarming  
Engineer's Decision

Amy,

We have reviewed your cost proposal for WCD 027 – Heat Trace Alarming. We have found your submitted cost proposal to be acceptable.

A total cost of \$2,398.08 and a total of 0 calendar days will be included in the forthcoming final Change Order.

Sincerely,  
HDR Engineering, Inc.

A handwritten signature in blue ink, appearing to read 'Todd Jensen'.

Todd Jensen, PE, CCM  
*Construction Manager*

cc: Jim Remitz – City of Coeur d'Alene Wastewater Department  
Rickey Schultz – HDR  
Mike Soucie – HDR  
Mary Scalise – HDR



Date of Issuance: 05/09/18 Effective Date: 05/09/18  
 Owner: City of Coeur d'Alene, ID Owner's Contract No.:  
 Contractor: Apollo Contractor's Project No.:  
 Engineer: HDR Engineer's Project No.: 10026247  
 Project: CDA Tertiary Phase 2 Improvements Contract Name:

**Contractor is directed to proceed promptly with the following change(s):**

Description:

Provide two (2) 120Vac rated terminals near existing TB2-6, jumper connections from TB2-6 for 120Vac power, and install one (1) 1" PVC-80 conduit and #14 AWG wire to Heat Trace #1 and #2, Normally Closed contact (A-side) for Temperature Low alarming. Wire Heat Trace #1 and #2, Normally Closed contact (B-side) to Rack 1 Slot 1, terminal 10 and 12 respectively as shown on the attached diagram. Provide all appurtenances as required to match existing terminals and connections for this installation. Wire terminals in order:

<u>Panel Termnl. (Out)</u>	<u>RELAY</u>	<u>Panel Termnl. (In)</u>
1) TB2-6-1	Heat Trace #1 N.C. Contact (LO TEMP)	RIS1-10
2) TB2-6-2	Heat Trace #2 N.C. Contact (LO TEMP)	RIS1-12

Attachments:

- 1) Drawing 08274-1100-09

Contractor shall confirm work activities daily with on-site RPR.

**Purpose for Work Change Directive:**

Directive to proceed promptly with the Work described herein, prior to agreeing to changes on Contract Price and Contract Time, is issued due to:

- Non-agreement on pricing of proposed change.  
 Necessity to proceed for schedule or other Project reasons.

**Estimated Change in Contract Price and Contract Times (non-binding, preliminary):**

Contract Price \$ TBD increase  
 Contract Time 0 days

**Basis of estimated change in Contract Price:**

- Lump Sum  Unit Price  
 Cost of the Work  Other

**RECOMMENDED:**

**AUTHORIZED BY:**

**RECEIVED:**

By:  Engineer (Authorized Signature)  
 Title: Project Manager  
 Date: 05/09/18

By:  Owner (Authorized Signature)  
 Title: Cap. Program MGR.  
 Date: 5-9-2018

By:  Contractor (Authorized Signature)  
 Title: VP  
 Date: 5/10/18





**/// BUILDING PEOPLE WHO BUILD GREAT THINGS**

**Work Change Directive**  
 Project: City of Coeur d'Alene Tertiary Treatment Phase 2  
 Apollo Inc.

WCD No: 27

Date: 06/26/18

Description	Labor	Mat	Equip.	Subcont. Total	Supp Total	Total
Heat Trace Alarming	\$ 298.49	\$ -	\$ -	\$ 2,062.19	\$ 7.79	\$ 2,368.47
<b>SUBTOTAL COST &gt;</b>						<b>\$ 2,368.47</b>
Insurance Premium .5% - Changed Work >						\$ 11.84
Bond Premium .75% - Changed Work >						\$ 17.76
<b>TOTAL LUMP SUM COST &gt;</b>						<b>\$ 2,398.08</b>

Work Change Directive  
 Project: City of Coeur d'Alene Tertiary Treatment Phase 2  
 Apollo Inc.

WCD No: 27  
 Item No: 1  
 Date: 6/26/18

Item Description: Heat Trace Alarming

Description	Qty	U of M	Rate	Labor	Unit	Rate	Mat	Unit	Rate	Equip.	Subcont. Total	Total
<b>APOLLO - PROJECT SUPERVISION COSTS</b>												
Project Manager	2.0	HR	\$ 90.00	\$ 180.00								\$ 180.00
Project Superintendent	1.0	HR	\$ 79.56	\$ 79.56								\$ 79.56
Site Civil Superintendent	0.0	HR	\$ 68.08	\$ -								\$ -
Apollo - Subtotal Direct Costs >				\$ 259.56			\$ -			\$ -		\$ 259.56
Markup on Self-Performed Labor, Mat'ls & Equipment >	15.0%			\$ 38.93			\$ -			\$ -		\$ 38.93
<b>SUBCONTRACTOR COSTS</b>												
Mountain States Electric	1.0										\$ 1,963.99	\$ 1,963.99
Subtotal Subcontractors Costs >											\$ 1,963.99	\$ 1,963.99
Markup on Subcontractor Costs >	5.0%										\$ 98.20	\$ 98.20
<b>SUPPLEMENTAL COSTS</b>												
Special Consultants											\$ -	\$ -
Subsistence for Project Supervision					HR	\$ 11.25	\$ -					\$ -
Temporary Facilities at the Site					LS		\$ -					\$ -
Small Tools	1.0				LS	\$ 7.79	\$ 7.79					\$ 7.79
Subtotal Supplementary Costs >						\$ 7.79	\$ 7.79				\$ -	\$ 7.79
Markup on Supplementary Costs >	0.0											

Contractor - Total Direct Costs w/Markup >	\$	2,368.47
Insurance Premium .5% - Changed Work >	\$	11.84
Bond Premium .75% - Changed Work >	\$	17.76
<b>TOTAL LUMP SUM COST &gt;</b>	<b>\$</b>	<b>2,398.08</b>



**TIME and MATERIAL COST**

Request No: 25

To: CITY OF CDA - WWTP

Date Of Proposal: 6/18/2018

Job #: 17-010

Regarding: WCD-027

Job Name: CDA TERITARY TREATMENT PHASE 2

Attention: \_\_\_\_\_

Work To Be Done: PER WCD-027 -

ADDED CIRCUITRY FOR HEAT TRACE ALARM TO LCP-5299

**LABOR CLASSIFICATION**

	<u>RATES</u>			<u>HOURS</u>			<u>EXTENDED</u>
	STRAIGHT	OVERTIME	DBL TIME	STRAIGHT	OVERTIME	DOUBLE TIME	
FOREMAN	\$ 70.99	\$ 95.14	\$ 119.29	10.00			\$ 709.90
JOURNEYMAN	\$ 66.50	\$ 88.47	\$ 110.48				\$ -
APPRENTICE	\$ 41.14	\$ 64.50	\$ 90.55	14.00			\$ 575.96
PROJECT MANAGER	\$ 85.00						\$ -
<b>LABOR SUB TOTAL</b>							<b>\$ 1,285.86</b>

**EQUIPMENT**

COST + 15%	<u>RATES</u>				QUANTITY	<u>EXTENDED</u>
	HOUR	DAY	WEEK	MONTH		
<b>TOOL SUB TOTAL</b>						<b>\$ -</b>

**MATERIAL**

COST + 15%	<u>EXTENDED</u>	
CONDUIT AND WIRE	\$ 589.68	
<b>MATERIAL SUB TOTAL</b>		<b>\$ 678.13</b>

**SUB-CONTRACTOR**

COST + 15%	<u>EXTENDED</u>	
<b>SUB-CONTRACTOR SUB TOTAL</b>		<b>\$ -</b>

**Total Proposed Change Order price: \$ 1,963.99**

Submitted By: DAVE PERRINS, Project Manager Date: 6/18/2018

Approved By: \_\_\_\_\_ Date: \_\_\_\_\_

Title \_\_\_\_\_

Report selections:	Job: 17010	Superintendent: ALL	From transaction date: Inception
	Phase: CO025	Estimator: ALL	To transaction date: 06/14/18
	Employee: ALL	Project manager: ALL	
	Job status: Active	Division: ALL	

**MOUNTAIN STATES ELECTRICAL  
Payroll Hours Analysis Report  
Phase Detail**

Job: 17010 CDA TERTIARY TREATMENT

Employee Code	Employee Name	Hours			Earnings			Burden Total
		Regular	Overtime	Total	Regular	Overtime	Total	
CO-025	LCP-5299 HEAT TRACE ALARM							
MCCPET	PETE MCCLURE	10.00		10.00				
SMITRA	TRAVIS W SMITH	14.00		14.00				
<b>Total for phase: CO-025</b>		<b>24.00</b>	<b>0.00</b>	<b>24.00</b>	<b>0.00</b>	<b>0.00</b>		
<b>Total for job: 17010</b>		<b>24.00</b>	<b>0.00</b>	<b>24.00</b>	<b>0.00</b>	<b>0.00</b>		
<b>Report totals:</b>		<b>24.00</b>	<b>0.00</b>	<b>24.00</b>	<b>0.00</b>	<b>0.00</b>		



June 19, 2018

CDA TERTIARY TREATMENT PHASE 2

JOB NUMBER : 17-010

WCD-27

QTY	ITEM DESCRIPTION	UNIT PRICE	EXTENDED PRICE
10	1/2" Liquid Tight Flex	\$ 1.62	\$ 16.20
3	1/2" LT Flex Connectors 45	\$ 5.26	\$ 15.78
3	1/2" LT Flex Connector - straight	\$ 6.99	\$ 20.97
1	3/4" 3-Piece Coupling	\$ 7.50	\$ 7.50
3	3/4" GRC Coupling	\$ 5.89	\$ 17.67
3	1/2"-3/4" RE Bushing	\$ 1.82	\$ 5.46
2	3/4' LB Condulet	\$ 13.25	\$ 26.50
3	3/4" T Condulet	\$ 13.25	\$ 39.75
5	3/4" Cover	\$ 4.64	\$ 23.20
5	3/4" Gasket	\$ 0.98	\$ 4.90
100	8c # 14 Cable	\$ 2.85	\$ 285.00
12	Wire Tags	\$ 0.50	\$ 6.00
20	3/4" GRC Conduit	\$ 3.09	\$ 61.80
3	3/4" Unistrut Starps	\$ 3.66	\$ 10.98
2	3/4" Strap and Back Strap	\$ 2.45	\$ 4.90
5	1 5/8" Unistrut	\$ 3.23	\$ 16.15
8	1/4" SS Wedge Anchors	\$ 2.74	\$ 21.92
	Misc SS Hardware		\$ 5.00
			\$ -
	<b>TOTAL</b>		<b>\$ 589.68</b>



WCD 028

PRIMARY CLARIFIER INCIDENTALS



September 9, 2019

Apollo, Inc.  
1133 West Columbia Drive  
Kennewick, WA 99336

Attn: Amy Jenne

Re: Coeur d'Alene Tertiary Treatment Phase 2 Project  
WCD 028 – PC3 Piping Incidentals  
Engineer's Decision

Amy,

We have reviewed your cost proposal for WCD 028 – PC3 Piping Incidentals. We have found your submitted cost proposal to be acceptable.

A total cost of \$75,627.75 and a total of 0 calendar days will be included in the forthcoming final Change Order.

Sincerely,  
HDR Engineering, Inc.

A handwritten signature in blue ink, appearing to read 'Todd Jensen'.

Todd Jensen, PE, CCM  
*Construction Manager*

cc: Mike Anderson – City of Coeur d'Alene Wastewater Department  
Rickey Schultz – HDR  
Mike Soucie – HDR  
Mary Scalise – HDR



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**Work Change Directive**  
**Project: City of Coeur d'Alene Tertiary Treatment Phase 2**  
**Apollo Inc.**

**WCD No:** 28Rev1

**Date:** 08/30/19

Description	Labor	Mat	Equip.	Subcont. Total	Supp Total	Total
PC3 Piping Incidentals	\$ 40,903.43	\$ 12,577.62	\$ 15,887.10	\$ 2,352.00	\$ 2,973.92	\$ 74,694.08
<b>SUBTOTAL COST &gt;</b>						<b>\$ 74,694.08</b>
Insurance Premium .5% - Changed Work >						\$ 373.47
Bond Premium .75% - Changed Work >						\$ 560.21
<b>TOTAL LUMP SUM COST &gt;</b>						<b>\$ 75,627.75</b>

Work Change Directive  
 Project: City of Coeur d'Alene Tertiary Treatment Phase 2  
 Apollo Inc.

WCD No: 28Rev1  
 Item No: 1  
 Date: 8/30/19

Item Description: PC3 Piping Incidentals

Description	Qty	U of M	Rate	Labor	Unit	Rate	Mat	Unit	Rate	Equip.	Subcont. Total	Total
<b>APOLLO - PROJECT SUPERVISION COSTS</b>												
Project Manager	16.0	HR	\$ 90.00	\$ 1,440.00								\$ 1,440.00
Project Superintendent	44.0	HR	\$ 79.56	\$ 3,500.64								\$ 3,500.64
Site Civil Superintendent	125.5	HR	\$ 68.08	\$ 8,544.04								\$ 8,544.04
<b>APOLLO - CRAFT LABOR COSTS</b>												
<b>Carpenters</b>												
Foreman		HR	\$ 43.52	\$ -								\$ -
Carpenter	206.0	HR	\$ 38.37	\$ 7,904.22								\$ 7,904.22
<b>Laborers</b>												
Forman	46.0	HR	\$ 37.50	\$ 1,725.00								\$ 1,725.00
General	126.0	HR	\$ 34.36	\$ 4,329.36								\$ 4,329.36
<b>Surveyor</b>												
Surveyor	4.0	HR	\$ 45.31	\$ 181.24								\$ 181.24
<b>Pipefitter</b>												
Pipefitter	10.0	HR	\$ 60.93	\$ 609.30								\$ 609.30
<b>APOLLO - OPERATED EQUIPMENT</b>												
<b>Excavator - CAT 303</b>												
+ Operator		HR	\$ 45.84	\$ -								\$ -
+ Operating Costs	13.5							HRLY	\$ 19.42	\$ 262.17		\$ 262.17
<b>Excavator - CAT 312C L</b>												
+ Operator		HR	\$ 45.84	\$ -								\$ -
+ Operating Costs	8.0							HRLY	\$ 50.93	\$ 407.44		\$ 407.44
<b>Finish Blade</b>												
+ Operator	80.0	HR	\$ 45.84	\$ 3,667.20								\$ 3,667.20
+ Operating Costs								HRLY	\$ 122.39	\$ -		\$ -
<b>Excavator - CAT 330CL</b>												
+ Operator		HR	\$ 45.84	\$ -								\$ -
+ Operating Costs	26.0							HRLY	\$ 122.39	\$ 3,182.14		\$ 3,182.14
<b>Loader - CAT 950H</b>												
+ Operator	80.0	HR	\$ 45.84	\$ 3,667.20								\$ 3,667.20
+ Operating Costs	12.0							HRLY	\$ 73.23	\$ 878.76		\$ 878.76
<b>On-Highway Rear Dumps</b>												
+ Operator		HR	\$ 34.42	\$ -								\$ -
+ Operating Costs	3.0							HRLY	\$ 64.57	\$ 193.71		\$ 193.71
<b>APOLLO - OTHER EQUIPMENT COSTS</b>												
Sunbelt Rentals	1.0							LS	\$ 517.99	\$ 517.99		\$ 517.99
Western States Loader	2.0							WKS	\$ 1,517.58	\$ 3,035.16		\$ 3,035.16
CDA Paving Blade	1.0							LS	\$ 5,337.50	\$ 5,337.50		\$ 5,337.50
<b>APOLLO - MATERIAL COSTS</b>												
Dump Fees	30.0				CY	\$ 5.00	\$ 150.00					\$ 150.00
Wilbert	1.0				LS	\$ 784.50	\$ 784.50					\$ 784.50
HDF	1.0				LS	\$ 7,377.22	\$ 7,377.22					\$ 7,377.22
Misc. Concrete Mats	1.0				LS	\$ 700.00	\$ 700.00					\$ 700.00
Misc. Grating/Handrail Mats	1.0				LS	\$ 350.00	\$ 350.00					\$ 350.00
Misc. Pipe Mats	1.0				LS	\$ 300.00	\$ 300.00					\$ 300.00
Rebar	1.0				LS	\$ 150.00	\$ 150.00					\$ 150.00
Concrete	6.5				CY	\$ 98.53	\$ 640.45					\$ 640.45
Columbia Rigging	1.0				LS	\$ 484.90	\$ 484.90					\$ 484.90
Apollo - Subtotal Direct Costs >				\$ 35,568.20			\$ 10,937.07			\$ 13,814.87		\$ 60,320.14
Markup on Self-Performed Labor, Mat'ls & Equipment >	15.0%			\$ 5,335.23			\$ 1,640.56			\$ 2,072.23		\$ 9,048.02
<b>SUBCONTRACTOR COSTS</b>												
Five Star	1										\$ 1,250.00	\$ 1,250.00
A Core	1.0										\$ 990.00	\$ 990.00
Subtotal Subcontractors Costs >											\$ 2,240.00	\$ 2,240.00
Markup on Subcontractor Costs >	5.0%										\$ 112.00	\$ 112.00
<b>SUPPLEMENTAL COSTS</b>												
Special Consultants											\$ -	\$ -
Subsistence for Project Supervision	169.5				HR	\$ 11.25	\$ 1,906.88					\$ 1,906.88
Temporary Facilities at the Site					LS		\$ -					\$ -

**Work Change Directive**  
**Project: City of Coeur d'Alene Tertiary Treatment Phase 2**  
**Apollo Inc.**

**WCD No:** 28Rev1  
**Item No:** 1  
**Date:** 8/30/19

*Item Description: PC3 Piping Incidentals*

Description	Qty	U of M	Rate	Labor	Unit	Rate	Mat	Unit	Rate	Equip.	Subcont. Total	Total
Small Tools	1.0				LS	\$ 1,067.05	\$ 1,067.05					\$ 1,067.05
Subtotal Supplementary Costs >							\$ 2,973.92				\$ -	\$ 2,973.92
Markup on Supplementary Costs >	0.0											

**Contractor - Total Direct Costs w/Markup > \$ 74,694.08**

Insurance Premium .5% - Changed Work > \$ 373.47

Bond Premium .75% - Changed Work > \$ 560.21

**TOTAL LUMP SUM COST > \$ 75,627.75**



2/2

WCO 28



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### Daily Report of Force Account Worked

Contract Number	Date 5-10-18	Item Number	Item Name
Prime Contractor		Subcontractor / Lower Tier Subcontractor	
Line / Station	Group	Basis of Material Acceptance	RAMS Number
Description of Work Performed INSTALL NEW INLET AND REPLACE STORM AT PC3			

#### Time Worked Record

	Workers and/or Equipment Working	Occupation of Workers or Equipment Size	Hours Worked		Reg. Rate	O.T. Rate	Amount
			Reg.	O.T.			
1	CRAZUENNE	330 / SUPER	4	✓			
2	CARDS BOLTON	P.LAYER / SUPER	4	✓			
3	330		4				
4	312	STANDBY					
5	303	STANDBY					
6	950	STANDBY					
7							
8							
9	Cost for CB not included yet.						
10							
11							
12							
13							
14							
15							
16							
17							
18							
19							
20							

Calculated By	Date	Checked By	Date	Total
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Ledger Entry Number	Entered By	Date	Entry Verified	Date
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Inspector's Signature <i>[Signature]</i>	Contractor's Representative Signature	Title
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5-21-2019



1/2



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### Daily Report of Force Account Worked

Contract Number	Date 4-27-18	Item Number	Item Name
Prime Contractor		Subcontractor / Lower Tier Subcontractor	
Line / Station	Group	Basis of Material Acceptance	RAMS Number
Description of Work Performed REPLACE B' DRAIN CAST WITH PVC WEST OF PC3			

#### Time Worked Record

	Workers and/or Equipment Working	Occupation of Workers or Equipment Size	Hours Worked		Reg. Rate	O.T. Rate	Amount
			Reg.	O.T.			
1	CRUZ JENNE	330 OPERATOR / SUPER	2	✓			
2	CHRIS BOLTON	P. LAYER / SUPER	2	✓			
3	BRIAN GREENFELDER	P. LAYER	2				
4	330	EXCAVATOR	2				
5							
6							
7	30' 8" 3034 installed.						
8	No material cost shown - to be added.						
9							
10							
11							
12							
13							
14							
15							
16							
17							
18							
19							
20							

Calculated By	Date	Checked By	Date	Total
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Ledger Entry Number	Entered By	Date	Entry Verified	Date
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Inspector's Signature <i>W. J. ...</i>	Contractor's Representative Signature	Title
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Email 5/3/18



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## Daily Report of Force Account Worked

Contract Number	Date 5-4-18	Item Number	Item Name
Prime Contractor		Subcontractor / Lower Tier Subcontractor	
Line / Station	Group	Basis of Material Acceptance	RAMS Number
Description of Work Performed ADD 30" 45° TO GET FUTURE 30" FROM UNDERVERTICAL THRUST BLOCK			

## Time Worked Record

	Workers and/or Equipment Working	Occupation of Workers or Equipment Size	Hours Worked		Reg. Rate	O.T. Rate	Amount
			Reg.	O.T.			
1	CRAZ TENNE	330 / SUPER	4	✓			
2	CHARS BOLTON	P.LAYER / SUPER	4	✓			
3	BRIAN GREENFELDER	P.LAYER	4				
4	330		4				
5	950	STANDBY					
6	312	STANDBY					
7	303	STANDBY					
8							
9							
10	*-	INVOICE FOR FITTING NEEDED					
11							
12	Thrust block not shown on plans - future would not fit.						
13							
14							
15							
16							
17							
18							
19							
20							
Calculated By		Date	Checked By		Date	Total	

Ledger Entry Number	Entered By	Date	Entry Verified	Date
Inspector's Signature <i>John Somers</i>		Contractor's Representative Signature		Title



2/2

EMail 4/24/18



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### Daily Report of Force Account Worked

Contract Number	Date 4-30-18	Item Number	Item Name
Prime Contractor		Subcontractor / Lower Tier Subcontractor	
Line / Station	Group	Basis of Material Acceptance	RAMS Number
Description of Work Performed HANDWORK AND BREAKOUT CONCRETE ON PIPE CRADLE TO INSTALL FUTURE 36" P.I.G.			

#### Time Worked Record

	Workers and/or Equipment Working	Occupation of Workers or Equipment Size	Hours Worked		Reg. Rate	O.T. Rate	Amount	
			Reg.	O.T.				
1	CRAIG TENNE	330 / SUPER	4	✓				
2	CHRIS BOLTEN	PLAYER / SUPER	4	✓				
3	BRIAN GREENFELDER	PLAYER	4	✓				
4	330	EXCAVATOR	4					
5	312	STANDBY						
6	950	STANDBY						
7	303	STANDBY						
8								
9								
10	<i>Pipe would not fit at elevation called - Remove saddle.</i>							
11								
12								
13								
14								
15								
16								
17								
18								
19								
20								

Calculated By	Date	Checked By	Date	Total
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Ledger Entry Number	Entered By	Date	Entry Verified	Date
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Inspector's Signature <i>M. J. Sweeney</i>	Contractor's Representative Signature	Title
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1/2

Email 4/24/18  
Photo



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### Daily Report of Force Account Worked

Contract Number	Date 4-24-18	Item Number	Item Name
Prime Contractor		Subcontractor / Lower Tier Subcontractor	
Line / Station	Group	Basis of Material Acceptance	RAMS Number
Description of Work Performed 30" PI(6) FUTURE RUN PIPESADDLE ON EXISTING AND POUR CLSM			

Time Worked Record							
	Workers and/or Equipment Working	Occupation of Workers or Equipment Size	Hours Worked		Reg. Rate	O.T. Rate	Amount
			Reg.	O.T.			
1	CRAZL JENNE	330 OPERATOR/SUPER	3.5	✓			
2	CHRIS BOLTEN	PLUMBER / SUPER	3.5	✓			
3	BRIAN GREENFELDER	PLUMBER / WARR	3.5				
4	950	STANDBY					
5	312	" "					
6	303	" "					
7							
8							
9	<i>CLSM required to support saddle to protect pipe.</i>						
10							
11							
12							
13							
14							
15							
16							
17							
18							
19							
20							

Calculated By	Date	Checked By	Date	Total
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Ledger Entry Number	Entered By	Date	Entry Verified	Date
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Inspector's Signature <i>John Somers</i>	Contractor's Representative Signature	Title
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2/2



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### Daily Report of Force Account Worked

Contract Number	Date 4-13-18	Item Number	Item Name
Prime Contractor		Subcontractor / Lower Tier Subcontractor	
Line / Station	Group	Basis of Material Acceptance	RAMS Number
Description of Work Performed EXISTING PIPE CRADLE AT 24' X 30" TEE PIG LINE			

#### Time Worked Record

	Workers and/or Equipment Working	Occupation of Workers or Equipment Size	Hours Worked		Reg. Rate	O.T. Rate	Amount
			Reg.	O.T.			
1	CAZUJENE	330	2	✓			
2	CHRIS BOLLEN	SUPER	2	✓			
3	330	EXCAVATOR	2				
4	303	STANDBY					
5	312	- 1 "					
6	950	- 1 "					
7							
8							
9	Pipe cradle issues -						
10							
11							
12							
13							
14							
15							
16							
17							
18							
19							
20							

Calculated By	Date	Checked By	Date	Total
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Ledger Entry Number	Entered By	Date	Entry Verified	Date
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Inspector's Signature <i>[Signature]</i>	Contractor's Representative Signature <i>[Signature]</i>	Title
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1/2

Email 4124114



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### Daily Report of Force Account Worked

Contract Number	Date <b>4-12-18</b>	Item Number	Item Name
Prime Contractor		Subcontractor / Lower Tier Subcontractor	
Line / Station	Group	Basis of Material Acceptance	RAMS Number
Description of Work Performed <b>PIPE RABBLE AT 24" X 30" TEE EXTRA WORK PI(6) LINE</b>			

#### Time Worked Record

	Workers and/or Equipment Working	Occupation of Workers or Equipment Size	Hours Worked		Reg. Rate	O.T. Rate	Amount
			Reg.	O.T.			
1	CRUZ JENNE	330	2.5	✓			
2	CHRIS BOLLEN	SUPER	2.5	✓			
3	330	EXCAVATOR	2.5				
4	303	STANDBY					
5	950	" "					
6	312	" "					
7							
8							
9	<i>Crabbe made access &amp; work more difficult using plans elevations.</i>						
10							
11							
12							
13							
14							
15							
16							
17							
18							
19							
20							

Calculated By	Date	Checked By	Date	Total
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Ledger Entry Number	Entered By	Date	Entry Verified	Date
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Inspector's Signature <i>Mike Soucie</i>	Contractor's Representative Signature	Title
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Email 4/4/18



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### Daily Report of Force Account Worked

Contract Number	Date 3-20-18	Item Number	Item Name
Prime Contractor		Subcontractor / Lower Tier Subcontractor	
Line / Station	Group	Basis of Material Acceptance	RAMS Number
Description of Work Performed 6" PSIP UNDERMINE 30" PIPE CRADLE FOR INSTALL			

#### Time Worked Record

Line	Workers and/or Equipment Working	Occupation of Workers or Equipment Size	Hours Worked		Reg. Rate	O.T. Rate	Amount
			Reg.	O.T.			
1	CRAIG JENNE	SUPER/OPERATOR	2.5	✓			
2	BRIAN GREENFELDER	LABOR / P. LAYER	2.5	✓			
3	303 MZIZ X	DZG SUPPORT	2.5				
4	330	STANDBY	2.5				
5	312	STANDBY	2.5				
6	950	STANDBY	2.5				
7							
8	<i>Excavation under pipe cradle. (For 6" PS line)</i>						
9							
10							
11							
12							
13							
14							
15							
16							
17							
18							
19							
20							

Calculated By	Date	Checked By	Date	Total
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Ledger Entry Number	Entered By	Date	Entry Verified	Date
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Inspector's Signature <i>Mike Service</i>	Contractor's Representative Signature	Title
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Email 4/4/18



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## Daily Report of Force Account Worked

Contract Number	Date 4-4-18	Item Number	Item Name
Prime Contractor		Subcontractor / Lower Tier Subcontractor	
Line / Station	Group	Basis of Material Acceptance	RAMS Number
Description of Work Performed DEMO LOW P'S LABE AND STAIRLANDING			

## Time Worked Record

	Workers and/or Equipment Working	Occupation of Workers or Equipment Size	Hours Worked		Reg. Rate	O.T. Rate	Amount
			Reg.	O.T.			
1	CRAIG JENNE	330 / SUPER ID-TANK	8	✓			
2	BRIAN GREENFELDER	LABOR	8	✓			
3	330		3				
4	950		2				
5	DUMP TRUCK		3				
6							
7		DUMP FEES 30 YDS					
8							
9							
10							
11		WCD 28					
12							
13		PC 3 incidentals					
14		add slabs					
15							
16							
17							
18							
19							
20							
Calculated By		Date	Checked By		Date	Total	

Ledger Entry Number	Entered By	Date	Entry Verified	Date
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Inspector's Signature <i>[Signature]</i>	Contractor's Representative Signature	Title
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# WCD #28

Identify existing pipe alignment/elevation issue with contract specified effluent box location and dimensions. Work out and coordinate design changes and procure additional materials.

Kevin Bantke 40hr ✓  
Tony Delepaux 40hr ✓

Excavate for deeper SOB

Craig operator 4hrs ✓  
          laborer 6hrs ✓  
mini CR 4hrs ✓  
Loader 2hrs ✓  
plate 2hrs ✓

Survey

Brent 4hrs ✓

drill and epoxy additional rebar at ftg and end wall.

laborer 8hrs ✓  
material \$200 ✓

Lower ftg + rebar place SOB

incidental  
incidental

form walls with increased length and height. Cap corners.

computer 16 hrs ✓  
laborer 8 hrs ✓  
material \$400 ✓

Addition concrete for SOB + walls

3.5 cu yds ✓

Extended grating supports

corp 6hr ✓  
material \$100 ✓

Additional grating

corp 4 hrs ✓  
Kevin Bantke 4 hrs ✓  
Fab mod \$150 ✓  
used material on site.



Motify contract supplied stairs and handrail  
for new installation alignment

credit for contract install  $\approx \sqrt{12}$  hrs  
material knee brace  $\approx \sqrt{32}$  hrs  
\$200  
80 total

Kevin Burke, Apollo Inc



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## Daily Report of Force Account Worked

Contract Number	Date	Item Number	Item Name WCD # 28
Prime Contractor		Subcontractor / Lower Tier Subcontractor	
Line / Station	Group	Basis of Material Acceptance	RAMS Number
Description of Work Performed Upsize 3W supply to PC# 3			

Time Worked Record							
	Workers and/or Equipment Working	Occupation of Workers or Equipment Size	Hours Worked		Reg. Rate	O.T. Rate	Amount
			Reg.	O.T.			
1	Rick Grnya	Pipe fitter	2	✓			
2							
3							
4	HD Fowler Materials	✓					
5	2" stop and waste valve						
6							
7	Harrington Plastics						
8	Misc. 2" pvc parts		\$	100			
9							
10							
11							
12							
13							
14							
15							
16							
17							
18							
19							
20							
Calculated By		Date	Checked By		Date	Total	

Ledger Entry Number	Entered By	Date	Entry Verified	Date
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Inspector's Signature	Contractor's Representative Signature	Title
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...Building People Who Build Great Things

## Daily Report of Force Account Worked

Contract Number	Date	Item Number	Item Name <b>WCD #28</b>
Prime Contractor		Subcontractor / Lower Tier Subcontractor	
Line / Station	Group	Basis of Material Acceptance	RAMS Number
Description of Work Performed <b>Provide revised Hydrant at PC #3</b>			

Time Worked Record							
	Workers and/or Equipment Working	Occupation of Workers or Equipment Size	Hours Worked		Reg. Rate	O.T. Rate	Amount
			Reg.	O.T.			
1	Tony DeLaPena	pipe fitter	1	✓			
2							
3							
4	Materials Provided by City						
5							
6							
7							
8							
9							
10							
11							
12							
13							
14							
15							
16							
17							
18							
19							
20							
Calculated By		Date	Checked By		Date	Total	

Ledger Entry Number	Entered By	Date	Entry Verified	Date
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Inspector's Signature	Contractor's Representative Signature	Title
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## Daily Report of Force Account Worked

Contract Number	Date	Item Number	Item Name WCD # 28
Prime Contractor		Subcontractor / Lower Tier Subcontractor	
Line / Station	Group	Basis of Material Acceptance	RAMS Number
Description of Work Performed Provide 2" drain from PC #1 scum vault to PPS			

## Time Worked Record

	Workers and/or Equipment Working	Occupation of Workers or Equipment Size	Hours Worked		Reg. Rate	O.T. Rate	Amount
			Reg.	O.T.			
1	Rick Grnys	Pipe fitter	8	✓			
2							
3							
4	Misc. 2" PVC (Harrington Plastics)		\$	100			
5	Misc. Unistret and Hardware		\$	100			
6		(Edge Con. Supply)					
7							
8							
9							
10							
11							
12							
13							
14							
15							
16							
17							
18							
19							
20							
Calculated By		Date	Checked By		Date	Total	

Ledger Entry Number	Entered By	Date	Entry Verified	Date
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Inspector's Signature	Contractor's Representative Signature	Title
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## Daily Report of Force Account Worked

Contract Number	Date	Item Number	Item Name WCD # 28
Prime Contractor		Subcontractor / Lower Tier Subcontractor	
Line / Station	Group	Basis of Material Acceptance	RAMS Number
Description of Work Performed PC # 1 Regrading			

Time Worked Record							
	Workers and/or Equipment Working	Occupation of Workers or Equipment Size	Hours Worked		Reg. Rate	O.T. Rate	Amount
			Reg.	O.T.			
1	Al P. No	Laborer concrete	80	✓			
2	Mike Dulawey	carp forms	80	✓			
3	Mark Thomas	Operator Finish Blade	80	✓			
4	Ken James	Operator Loader	80	✓			
5							
6	CAT Rental						
7	938 Loader	✓					
8	305 Excavator	✓ NC					
9	CDA Paving Finish Blade						
10	Sun Belt Rentals	✓					
11	Air compressor						
12	60 lb Jackhammer						
13	15 lb Chipping Hammer						
14							
15	ACORE SAW cutting						
16	* * Form stairs and sidewalk * *						
17	Hector Paez	carp forms	10	✓			
18	James Power	carp forms	10	✓			
19							
20	5 STAR FINISH	new sidewalk + stairs		✓			
Calculated By		Date	Checked By		Date	Total	

Ledger Entry Number	Entered By	Date	Entry Verified	Date
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Inspector's Signature	Contractor's Representative Signature	Title
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Concrete  
Rebar3cy changed work  
\$150

6/13 Interstate ✓





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## Daily Report of Force Account Worked

Contract Number	Date	Item Number	Item Name
Prime Contractor		Subcontractor / Lower Tier Subcontractor	
Line / Station	Group	Basis of Material Acceptance	RAMS Number
Description of Work Performed WD 28 Reroute 4" Drain			

Time Worked Record							
	Workers and/or Equipment Working	Occupation of Workers or Equipment Size	Hours Worked		Reg. Rate	O.T. Rate	Amount
			Reg.	O.T.			
1	Craig Jenne	Mini Ex	24				
2	Chris Bolton	950 Loader	24				
3	Tom Delapena		24				
4							
5							
6							
7							
8							
9	4" parts						
10	4" pipe & sticks						
11							
12							
13							
14							
15							
16							
17							
18							
19							
20							
Calculated By		Date	Checked By		Date	Total	

Ledger Entry Number	Entered By	Date	Entry Verified	Date
---------------------	------------	------	----------------	------

Inspector's Signature	Contractor's Representative Signature	Title
-----------------------	---------------------------------------	-------

COLUMBIA RIGGING CORP.  
 P.O. BOX 2717  
 2407 EAST A STREET  
 PASCO WA. 99302  
 (BUS.)1-509-545-4657 (FAX) 1-509-545-8103

Invoice

DATE	INVOICE #
5/25/2018	32745

BILL TO
APOLLO INC. P.O. BOX 7308 KENNEWICK WA. 99336

SHIP TO

P.O. NUMBER	TERMS	REP	SHIP	VIA	F.O.B.	PROJECT
PI62	Net 30		5/25/2018	W/C		

QUANTITY	ITEM CODE	DESCRIPTION	PRICE EACH	AMOUNT
6	INV	3/8" DIA. X 20 FT. GRADE 70, TRANSPORT BINDER CHAINS WITH CLEVIS GRAB HOOKS EACH END-IMPORT, "NOT RATED FOR OVERHEAD LIFTING APPLICATIONS"	48.95	293.70
		Sales Tax	8.60%	25.26

APOLLO, INC.  
 JUN 11 2018  
 RECEIVED

<b>Total</b>			\$318.96
--------------	--	--	----------



# H.D. FOWLER COMPANY

REMIT: PO Box 84368, Seattle, WA 98124

Invoice Number **14555201**

SPWH # 015290

### Corporate Office

3633 136th Pl SE, Ste 100, Bellevue, WA 98006  
PO Box 160, Bellevue, WA 98009-0160  
Phone 425-654-8800 \* Fax 425-641-8885

### Spokane Branch

6625 E Sharp Ave  
Spokane, WA 99212  
(509) 568-8400 Fax (509) 568-8405

<b>To:</b> APOLLO INC Attn: Accounts Payable PO Box 7305 KENNEWICK WA 99336-0617	<b>Ship to:</b> 915 HUBBARD AVE COEUR D'ALENE ID 83814		
	<b>Order#</b> O5580881	<b>Inv Date:</b> 07/05/17	<b>Order Writer:</b> Wayne Stoken

<b>Terms:</b> 10P+30 <b>FOB:</b> H. D. FOWLER COMPANY	<b>Due:</b> 09/10/17 <b>Ship Via:</b> OUR TRUCK	<b>PO/JOB:</b> P162 TERTIARY TREATMENT PHASE
--	--	---

Line	Qty Ship'd	Qty BO'd	UoM	Part # Description	Unit Price	Extended Price	T X
2	1		EA	30" MJ CAP TAPPED 2", C153, IMPORT	977.33	977.33	Y
3	1		EA	36" MJ CAP TAPPED 2" C153, IMPORT	1733.85	1,733.85	Y
6	182.5		FT	6" CL 50 DI PIPE TJ 18.25' LENGTH ASPHALTIC COATED ANSI/AWWA C151/A21.51 AND CEMENT LINED ANSI/AWWA C104/A21.4 WITH SBR GASKET	11.68	2,131.60	Y
7	54.75		FT	4" CL 51 DI PIPE TJ 18.25' LENGTH ASPHALTIC COATED ANSI/AWWA C151/A21.51 AND CEMENT LINED ANSI/AWWA C104/A21.4 WITH SBR GASKET	17.18	940.61	Y

2 sticks \$627.07

\*\* New Remittance Address \*\*

PO Box 84368, Seattle, WA 98124-5668

EFT Routing: 121000248

EFT Bank No: 418 545 3362

Sub total	5,783.39
Freight	
Tax	347.00
<b>Grand Total</b>	<b>6,130.39</b>



# H.D. FOWLER COMPANY

REMIT: PO Box 84368, Seattle, WA 98124

### Corporate Office

3633 136th Pl SE, Ste 100, Bellevue, WA 98006  
PO Box 160, Bellevue, WA 98009-0160  
Phone 425-654-8800 \* Fax 425-641-8885

### Spokane Branch

6625 E Sharp Ave  
Spokane, WA 99212  
(509) 568-8400 Fax (509) 568-8405

Invoice Number **14519380**

SPDS # 015290

<b>To:</b> APOLLO INC Attn: Accounts Payable PO Box 7305 KENNEWICK WA 99336-0617	<b>Ship to:</b> 915 HUBBARD AVE COEUR D'ALENE ID 83814	
	<b>Order#</b> O5551743	<b>Inv Date:</b> 05/31/17

<b>Terms:</b> 10P+30 <b>FOB:</b> DESTINATION	<b>Due:</b> 07/10/17 <b>Ship Via:</b> FACTORY TRUCK	<b>PO/JOB:</b> P162 P162 TERTIARY TREATMENT PHASE
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Line	Qty Ship'd	Qty BO'd	UoM	Part # Description	Unit Price	Extended Price	T X
2	2		EA	30" MJ 45 ELBOW, C153, DOMESTIC CML LINED ASPHALTIC COATING	4541.40	9,082.80	Y
3	1		EA	30" MJ 11 1/4 ELBOW, C153, DOMESTIC CML LINED ASPHALTIC COATED	3490.71	3,490.71	Y
4	1		EA	30" MJ 22 1/2 ELBOW, C153, DOMESTIC CML LINED ASPHALTIC COATED	3880.20	3,880.20	Y
5	5		EA	30" MJ KIT FOR C153, DOMESTIC 086383	413.46	2,067.30	Y
8	1		EA	30" MJ X FL DI ADAPTER, C153, DOMESTIC CML LINED ASPHALTIC COATED	2851.94	2,851.94	Y
9	4		EA	30" MJ 45 ELBOW, C153, DOMESTIC CML LINED ASPHALTIC COATED	4541.40	18,165.60	Y
11	1		EA	30" MJ 22 1/2 ELBOW, C153, DOMESTIC CML LINED ASPHALTIC COATED	3880.20	3,880.20	Y
13	1		EA	30" MJ 90 DEGREE ELBOW C153 DOMESTIC CML LINED ASPHALTIC COATED	5724.60	5,724.60	Y
15	2		EA	24" MJ 90 DEGREE ELBOW C153 DOMESTIC CML LINED ASPHALTIC COATED	2662.20	5,324.40	Y
16	8	3	EA	30" C153 MJ ACCESSORY KIT 244844 DOMESTIC	413.46	3,307.68	Y
19	1		EA	36" MJ GASKET ONLY (FOR MJ WALL SPOOL)	52.39	52.39	Y

**\*\* New Remittance Address \*\***  
 PO Box 84368, Seattle, WA 98124-5668

EFT Routing: 121000248  
 EFT Bank No: 418 545 3362

Amy

Sub total	4,954.86	57,827.82
Freight	297.29	
Tax		3,469.67
<b>Grand Total</b>		<b>61,297.49</b>
	5,252.15	





REMIT: PO Box 84368, Seattle, WA 98124

**Invoice Number** **I5101556**

HAWH  
# 015290

**Corporate Office**  
3633 136th Pl SE, Ste 100, Bellevue, WA 98006  
PO Box 160, Bellevue, WA 98009-0160  
Phone 425-654-8800 \* Fax 425-641-8885

**Hayden Branch**  
1841 W Hayden Ave  
Hayden, ID 83835  
(208) 772-9060 Fax (208) 772-9478

<b>To:</b> APOLLO INC Attn: Accounts Payable PO Box 7305 KENNEWICK WA 99336-0617		<b>Ship to:</b> HD Fowler Company - Hayden 1841 W Hayden Ave Hayden ID 83835	
		<b>Order#</b> O6234721	<b>Inv Date:</b> 04/03/19
		<b>Order Writer:</b> William Caldwell	
<b>Terms:</b> 10P+30	<b>Due:</b> 06/10/19	<b>PO/JOB:</b> STOP	
<b>FOB:</b> H. D. FOWLER	<b>Ship Via:</b> WILL CALL	P162 TERTIARY TREATMENT PHASE	

Line	Qty Ship'd	Qty BO'd	UoM	Part # Description	Unit Price	Extended Price	T X
1	1		EA	76001 2" FIP X FIP BALL VALVE CURB STOP W/STOP AND WASTE NO LEAD AY	313.71	313.71	
2	4		EA	1" SCH 80 PVC MALE ADAPTER SXT	4.02	16.08	
3	4		EA	2" SCH 80 PVC MALE ADAPTER SXT	9.75	39.00	
						<b>Sub total</b>	368.79
						<b>Freight</b>	
						<b>Tax</b>	
						<b>Grand Total</b>	368.79

**\*\* New Remittance Address \*\***  
PO Box 84368, Seattle, WA 98124-5668

EFT Routing: 121000248  
EFT Bank No: 418 545 3362

TONY D





REMIT: PO Box 84368, Seattle, WA 98124

**Invoice Number** **15063035**

HAWH  
# 015290

**Corporate Office**  
3633 136th Pl SE, Ste 100, Bellevue, WA 98006  
PO Box 160, Bellevue, WA 98009-0160  
Phone 425-654-8800 \* Fax 425-641-8885

**Hayden Branch**  
1841 W Hayden Ave  
Hayden, ID 83835  
(208) 772-9060 Fax (208) 772-9478

<b>To:</b> APOLLO INC Attn: Accounts Payable PO Box 7305 KENNEWICK WA 99336-0617	<b>Ship to:</b> HD Fowler Company - Hayden 1841 W Hayden Ave Hayden ID 83835	
	<b>Order#</b> O6187249	<b>Inv Date:</b> 01/30/19

<b>Terms:</b> 10P+30 <b>FOB:</b> H. D. FOWLER	<b>Due:</b> 03/10/19 <b>Ship Via:</b> WILL CALL	<b>PO/JOB:</b> FITTINGS P162 TERTIARY TREATMENT PHASE
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Line	Qty Ship'd	Qty BO'd	UoM	Part # Description	Unit Price	Extended Price	T X
1	2		EA	4" MJ 90 ELL,DI,AWWA C153,C/L,LESS ACCESS (26 LBS)	56.76	113.52	
2	1		EA	4" MJ 45 ELL DI,AWWA C153,C/L,LESS ACCESS (22 LBS)	47.01	47.01	
4	8		EA	4" WEDGE ACTION MJ RETAINER GLAND FOR DIP	23.44	187.52	
5	8		EA	4" GASKET AND T-BOLT SET FOR C153 MJ FITTINGS	14.91	119.28	
						Sub total	467.33
						Freight	
						Tax	
						<b>Grand Total</b>	<b>467.33</b>

**\*\* New Remittance Address \*\***  
PO Box 84368, Seattle, WA 98124-5668

EFT Routing: 121000248  
EFT Bank No: 418 545 3362

tony d

**H.D. FOWLER  
COMPANY**PO Box 84368 • Seattle, WA • 98124-3668  
425-746-8400Invoice  
Number **14943678**HAWH  
# 015290**Hayden Branch**1841 W. Hayden Ave.  
Hayden, ID 83835  
(208) 772-0060 Fax (208) 772-0478

To:				Ship to: HD Fowler Company - Hayden			
APOLLO INC Attn: Accounts Payable PO Box 7305 KENNEWICK WA 993360617				Hayden		ID 83835	
Order# O6050905		Inv Date: 09/04/18		Order Writer: Josh Shore			
Terms: 10P+30		Due: 11/10/18		PO/JOB: P162			
FOB: H. D. FOWLER		Ship Via: WILL CALL		P162 TERTIARY TREATMENT PHAS			
Line	Qty Ship'd	Qty BO'd	UoM	Part # Description	Unit Price	Extended Price	T X
1	112	0	FT	8" PVC SEWER PIPE,GASKTED,ASTM D3034,14' LENGTH	3.990	446.88	
2	4	0	EA	8" PSM 45 DEGREE ELL,G X G,SOR 35 PVC FOR SEWER OR DRAIN	53.750	215.00	
						Sub total	661.88
						Freight	0.00
						Tax	0.00
						Grand Total	661.88
CRAIG		Serving the Pacific Northwest since 1911					



2205 E BROOKLYN AVE - SPOKANE, WA 99217

(509) 325-4573

(509) 335-5040

## Invoice

WWW.WILBERTPRECAST.COM

DATE	INVOICE #
5/15/2018	1076297

## BILL TO

Apex, Inc.  
PO BOX 7305  
Kennewick, WA 99336  
United States

## DESCRIPTION/LOCATION

CDA WASTEWATER TREATMENT

P.O. NUMBER	TERMS	REP	SHIP DATE	TRUCK #	Ticket #
CRAXI	Net 30	XI		DERUN 140	46790
ITEM CODE	QTY	DESCRIPTION		PRICE EACH	AMOUNT
1827-Type 1 CB	1	DOT Type 1 Catch Basin 1920#		210.00	210.00T
1831-2" Riser "S"	1	Riser "S" - 2" 80#		60.00	60.00T
1831-4" riser "S"	1	Riser "S" - 4" 200#		65.00	65.00T
D&L E-4431 HB 9907-140	1	CI Reversible Frame, 18"x24" Grate - Herringbone		240.00	240.00T
	1	Truck #140 Delivery		175.00	175.00
		Sales Tax-Idaho		6.99%	14.50
				<b>Total</b>	<b>\$784.50</b>

Finance Charges will accrue at 1.5% on accounts past due.



Hayden  
10780 N Highway 95 Hayden, ID 83835  
208.782.6600

Apollo Inc  
1133 W Columbia Dr  
Kennewick, WA 99336-3472

**INVOICE**

NO.: IN000987682  
AGREEMENT NO: RC000092361

INVOICE AMOUNT: \$6,070.30  
INVOICE DATE: 5/28/2019  
INVOICE DUE DATE: 6/27/2019  
CUSTOMER: 0315740  
CUSTOMER PO: P162  
CONTRACT START: 4/5/2019  
BILLED FROM: 5/3/2019  
BILLED THROUGH: 5/24/2019

JOBSITE:  
Waste Water  
Waste Water  
Hayden, ID 83835

JOBSITE CONTACT:  
Tony 509-948-2803  
PHONE:  
ORDERED BY:  
WRITTEN BY: Eddie E Cunningham

QTY	DESCRIPTION	AMOUNT
1	ID NO: E0003463 SERIAL NO: SWL03439 Hours out: 1578 Hours in: 2297.2 938K Wheel Loader	\$5,870.00

MISCELLANEOUS ITEMS	AMOUNT
1 Environmental Fee	\$56.70

2 weeks

SALES TAX: \$343.60  
INVOICE AMOUNT: \$6,070.30

PLEASE REMIT PAYMENT TO:  
WESTERN STATES EQUIPMENT CO.  
PO BOX 3805  
Seattle, WA 98124-3805

Coeur d'Alene Paving Inc.  
 www.cdapaving.com  
 120 E Anton Ave  
 Coeur d'Alene, ID 83815  
 1 208 762-0235



## Invoice 36928

Bill to: Apollo Inc. 1133 West Columbia Drive Kennewick, WA 99336	Job:
--	------

Invoice #: 36928 Date: 05/15/19 Payment Terms: Net 10th of Month Customer Code: APOINC	Customer P.O. #: CD'A WASTEWATER PLANT Salesperson:
---	--

Remarks:

Quantity	Description	U/M	Unit Price	Extension
2.500	ATHEY RENTAL	WK	1,886.79	4,716.98
2.500	TRUCKING - MOB	HR	135.00	337.50
			<b>Subtotal:</b>	<b>5,054.48</b>
			<b>Sales Tax:</b>	<b>283.02</b>
			<b>Total:</b>	<b>5,337.50</b>





**INVOICE**  
 SEND ALL PAYMENTS TO:  
 SUNBELT RENTALS, INC.  
 PO BOX 409211  
 ATLANTA, GA 30384-9211

<b>INVOICE NO.</b>	88773156-0002
<b>ACCOUNT NO.</b>	305018
<b>INVOICE DATE</b>	4/22/19
<b>PAGE</b>	1 of 1

**INVOICE TO**

1oz - 541 - 638  
 APOLLO INC  
 PO BOX 7305  
 1207 W COLUMBIA DR  
 KENNEWICK WA 99336-3459

**JOB ADDRESS**

APOLLO INC  
 1080 HUBBORD AVE  
 COEUR D'ALENE, ID 83814  
 509-948-2803

<b>RECEIVED BY</b>	MARCOS, TONY	<b>CONTRACT NO.</b>	88773156
<b>PURCHASE ORDER NO.</b>	P162		
<b>JOB NO.</b>	162		
<b>BRANCH</b>	POST FALLS ID PC124 573 N IDAHLINE RD POST FALLS, ID 83854 208-777-4585		

QTY	EQUIPMENT #	Min	Day	Week	4 week	Amount
1	65 LB AIR HAMMER 942791 Make: ATLAS COPC Model: TEXP60 Ser #: MHN175286 Billed from 4/16/19 thru 4/22/19	55.00	55.00	270.00	485.00	192.50
Rental Sub-total:						192.50
<b>SALES ITEMS:</b>						
Qty	Item number	Unit	Price			
1	DLPKSRCHG	EA	19.500	19.50		
TRANSPORTATION SURCHARGE						
FREIGHT :						65.00
Billing period: 4/16/19 08:00 AM THRU 4/22/19 11:14 AM.						



**Equipment. Service. Guaranteed.**

**REMIT TO:**

SUNBELT RENTALS, INC.  
 PO BOX 409211  
 ATLANTA, GA 30384-9211

**NET DUE UPON RECEIPT**

Invoices not paid within 30 days may be subject to a 1-1/2% per month charge.

<b>SUBTOTAL</b>	277.00
<b>SALES TAX</b>	12.72
<b>INVOICE TOTAL</b>	289.72

**PARTIAL RETURN**



**INVOICE**  
 SEND ALL PAYMENTS TO:  
 SUNBELT RENTALS, INC.  
 PO BOX 409211  
 ATLANTA, GA 30384-9211

INVOICE NO.	88773156-0003
ACCOUNT NO.	305018
INVOICE DATE	4/29/19
PAGE 1 of 1	

INVOICE TO

1oz-700-864  
 APOLLO INC  
 PO BOX 7305  
 1207 W COLUMBIA DR  
 KENNEWICK WA 99336-3459

JOB ADDRESS

APOLLO INC  
 1080 HUBBORD AVE  
 COEUR D'ALENE, ID 83814  
 509-948-2803

RECEIVED BY	CONTRACT NO.
MARCOS, TONY	88773156
PURCHASE ORDER NO.	
P162	
JOB NO.	
162	
BRANCH	
POST FALLS ID PC124 573 N IDAHLINE RD POST FALLS, ID 83854 208-777-4585	

QTY	EQUIPMENT #	Min	Day	week	4 week	Amount
1	185CFM 125PSI DIESEL AIR COMPRESSOR 933084 Make: ATLAS COPC Model: XAS185 Ser #: HOP045017	115.00	115.00	315.00	630.00	630.00
2	3/4" X 50' AIR COMPRESSOR HOSE	7.00	7.00	50.00	80.00	160.00
SALES ITEMS:						
Qty	Item number	Unit	Price			
1	ENVIRONMENTAL	EA	10.080			10.08
2133 ENVIRONMENTAL						
FREIGHT :						
BILLED FOR FOUR WEEKS 4/16/19 THRU 5/13/19.						65.00
TOTAL: 1445.000						
Rental Sub-total:						790.00



**APOLLO, INC.**  
 MAY 03 2019  
**RECEIVED**

1 Week

**Equipment. Service. Guaranteed.**

REMIT TO:

SUNBELT RENTALS, INC.  
 PO BOX 409211  
 ATLANTA, GA 30384-9211

NET DUE UPON RECEIPT

Invoices not paid within 30 days may be subject to a 1-1/2% per month charge.

SUBTOTAL	865.08
SALES TAX	48.00
<b>INVOICE TOTAL</b>	<b>913.08</b>

4 WEEK BILL



# A-CORE OF WASHINGTON 1ST REQUEST FOR PAYMENT

June 20, 2019

APOLLO, INC  
P.O. BOX 7305  
KENNEWICK, WA 99336

The following invoice(s) remain unpaid and are past due.

Inv No.	Date	Job Name / Address	Amount	Paid	Due
358457	04/30/19	WWTP / 765 HUBBARD	990.00	0.00	990.00
358478	04/30/19	TYSON FOODS / DODD RD.	871.20	0.00	871.20
				Total Due:	1861.20

If problems exist delaying your FULL payment such as:

- |                                     |  |
|-------------------------------------|--|
| 1-Quality or Quantity of work       | 2-Price quotes                           |
| 3-Damage claims                     | 4-Missing or incorrect P.O. Numbers      |
| 5-Missing or incorrect Job Numbers  | 6-Retained contract amounts (retainage)  |
| 7-Contract or Job completion        | 8-Lack of financing to make FULL payment |
| 9-You are not the responsible party |  |

Or you are waiting to process your accounts Payable Cycle please call, write or FAX our office immediately. As a reminder, our terms for payment are NET 30 days!

Please contact our office if full payment cannot be made within five (5) calendar days.

A-CORE OF WASHINGTON  
PO BOX 7306  
Kennewick, WA 99336  
(509) 582-7100 Phone  
(509) 582-1676 Fax

We apologize in advance if you have recently contacted our office or mailed FULL payment for the above invoices(s).

A-CORE OF WASHINGTON

COLUMBIA RIGGING CORP.  
 P.O. BOX 2717  
 2407 EAST A STREET  
 PASCO WA. 99302  
 (BUS.)1-509-545-4657 (FAX) 1-509-545-8103

Invoice

DATE	INVOICE #
4/20/2018	32465

BILL TO
APOLLO INC. P.O. BOX 7305 KENNEWICK WA. 99336

SHIP TO

P.O. NUMBER	TERMS	REP	SHIP	VIA	F.O.B.	PROJECT
PI62-CDA	Net 30		4/20/2018	WC		

QUANTITY	ITEM CODE	DESCRIPTION	PRICE EACH	AMOUNT
4	INV	OSP SLING BRAND EE-2-902P X 12 FT. EYE AND EYE POLYESTER WEB SLINGS	38.20	152.80
		Sales Tax	8.60%	13.14
			<b>Total</b>	\$165.94

Five Star Concrete Inc.  
 4307 S Fossean Rd  
 Spokane WA 99224



# Invoice

Date	Invoice #
6/24/2019	06-002-3973

Bill To
Apollo Inc. PO Box 7305 1133 W Columbia Dr. Kennewick WA 99336

P.O. No.	Terms	Project
		Water Treatment

Description	Unit of Measurement	Quantity	Rate	Amount
Place and finish concrete steps and walk at the waste water treatment plant	LS	1	2,500.00	2,500.00
Thank you for your business.			<b>Total</b>	<b>\$2,500.00</b>

Phone #	Fax #	E-mail
509-226-1189	509-226-1159	barb@5starconcrete.com

Date of Issuance: 06/20/19                      Effective Date: 06/20/19  
Owner: City of Coeur d'Alene, ID              Owner's Contract No.:  
Contractor: Apollo                                  Contractor's Project No.:  
Engineer: HDR                                        Engineer's Project No.: 10026247  
Project: CDA Tertiary Phase 2 Improvements    Contract Name:

**Contractor is directed to proceed promptly with the following change(s):**

Description:

**PC3 Incidental Work:**

- 1) Make revisions to the PI(G) piping for PC3 to address conflicts with existing piping as directed by the Owner and Engineer.
- 2) Upsize water supply piping to PC3 from 1-inch piping to 2-inch piping from the main 3-inch 3W supply line to the hydrants. Piping to remain 1-inch downstream of the walkway hydrant.
- 3) Provide revised hydrant type per the attached detail on all installed/changed hydrants at Primary Clarifiers.
- 4) Provide a new hydrant per the attached detail at the northwest corner of the Primary Sludge Pump Building.

**PC1 Incidental Work:**

- 1) Move the proposed PC1 Effluent box approximately 18 inches to the north and lower by approximately 12 inches to accommodate the existing effluent piping. Provide any credit associated with change in piping.
- 2) Provide additional grating and support as needed on PC1 Effluent Box.
- 3) Provide a 2-inch drain from PC1 scum valve vault to the PSPB.
  - a. Provide 2-inch schedule 80 PVC piping.
  - b. Provide a cored opening approximately 36 inches below grade through the west wall and seal piping using link seal. Grout hole outside of link seal.
  - c. Join the new 2-inch valve vault drain line to the contract provided Foul Air Fan drain inside the PSPB and run one common drain line to the sump via the closest drain.
    - i. Coordinate with the city/engineer on which drain to use and routing of piping.
- 4) Re-route the existing 4-inch DI Secondary Dewatering Sump Drain Piping around the newly located valve vault at PC1.
- 5) For grading purposes in this area, remove the top two northern steps immediately west of the new PC1 Effluent Box (steps leading down to the grit removal gallery).
  - a. Modify existing handrail to accommodate the change in steps.
  - b. Grade general area to where flow is directed towards the new CB near the PSPB. Flow should be away from the existing 'Low P' Building, the new Foul Air Fan support slab, and the new PC1 Effluent Box. Coordinate with the Owner and Engineer.

**Attachments:**

CDA Hydrant Details for WCD 28.pdf

**Purpose for Work Change Directive:**

Directive to proceed promptly with the Work described herein, prior to agreeing to changes on Contract Price and Contract Time, is issued due to:

- Non-agreement on pricing of proposed change.  
 Necessity to proceed for schedule or other Project reasons.

**Estimated Change in Contract Price and Contract Times (non-binding, preliminary):**

Contract Price \$ TBD increase  
Contract Time 0 days

**Basis of estimated change in Contract Price:**

- Lump Sum  Unit Price  
 Cost of the Work (time and materials)  Other

**RECOMMENDED:**

By:   
Engineer (Authorized Signature)

Title: Project Manager  
Date: 06/20/19

**AUTHORIZED BY:**

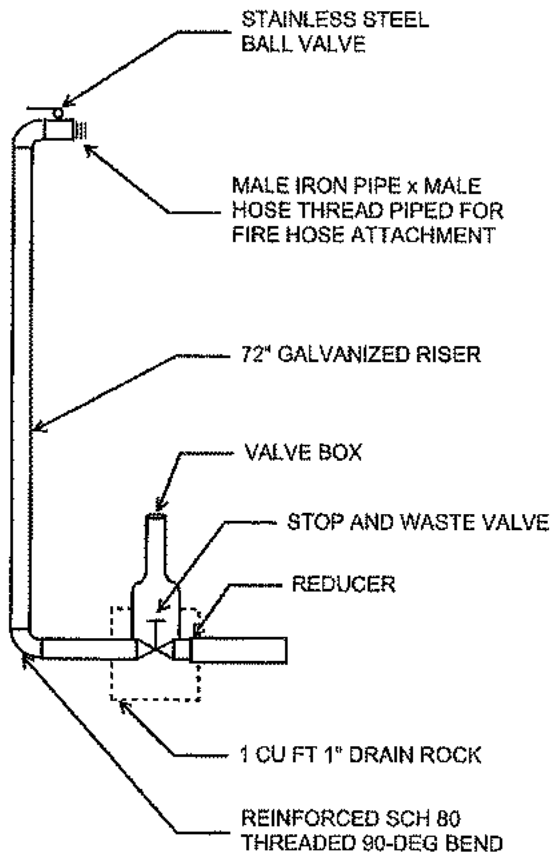
By:   
Owner (Authorized Signature)

Title: CAP. PROGRAM MGR.  
Date: 6-21-2019

**RECEIVED:**

By:   
Contractor (Authorized Signature)

Title: VP  
Date: 9/10/19



### ALTERNATE HYDRANT DETAIL FOR CDA WWTP

(This hydrant will not drain unless stop and waste valve is closed)



WCD 029

SECONDARY CLARIFIER INCIDENTALS



September 9, 2019

Apollo, Inc.  
1133 West Columbia Drive  
Kennewick, WA 99336

Attn: Amy Jenne

Re: Coeur d'Alene Tertiary Treatment Phase 2 Project  
WCD 029 – SC3 Piping Incidentals  
Engineer's Decision

Amy,

We have reviewed your cost proposal for WCD 029 – SC3 Piping Incidentals. We have found your submitted cost proposal to be acceptable.

A total cost of \$134,626.29 and a total of 0 calendar days will be included in the forthcoming final Change Order.

Sincerely,  
HDR Engineering, Inc.

A handwritten signature in blue ink, appearing to read 'Todd Jensen'.

Todd Jensen, PE, CCM  
*Construction Manager*

cc: Mike Anderson – City of Coeur d'Alene Wastewater Department  
Rickey Schultz – HDR  
Mike Soucie – HDR  
Mary Scalise – HDR



**/// BUILDING PEOPLE WHO BUILD GREAT THINGS**

**Work Change Directive**  
**Project: City of Coeur d'Alene Tertiary Treatment Phase 2**  
**Apollo Inc.**

**WCD No:** 29Rev2

**Date:** 09/06/19

Description	Labor	Mat	Equip.	Subcont. Total	Supp Total	Total
SC3 Piping Incidentals	\$ 50,306.23	\$ 33,455.45	\$ 41,877.62	\$ 2,907.60	\$ 4,417.34	\$ 132,964.24
<b>SUBTOTAL COST &gt;</b>						<b>\$132,964.24</b>
Insurance Premium .5% - Changed Work >						\$ 664.82
Bond Premium .75% - Changed Work >						\$ 997.23
<b>TOTAL LUMP SUM COST &gt;</b>						<b>\$134,626.29</b>

**Work Change Directive**  
**Project: City of Coeur d'Alene Tertiary Treatment Phase 2**  
**Apollo Inc.**

**WCD No:** 29Rev2  
**Item No:** 1  
**Date:** 9/6/19

*Item Description: SC3 Piping Incidentals*

Description	Qty	U of M	Rate	Labor	Unit	Rate	Mat	Unit	Rate	Equip.	Subcont. Total	Total
<b>APOLLO - PROJECT SUPERVISION COSTS</b>												
Project Manager	40.0	HR	\$ 90.00	\$ 3,600.00								\$ 3,600.00
Project Superintendent	8.0	HR	\$ 79.56	\$ 636.48								\$ 636.48
Site Civil Superintendent	268.0	HR	\$ 68.08	\$ 18,245.44								\$ 18,245.44
<b>APOLLO - CRAFT LABOR COSTS</b>												
<b>Carpenters</b>												
Foreman		HR	\$ 43.52	\$ -								\$ -
Carpenter	30.0	HR	\$ 38.37	\$ 1,151.10								\$ 1,151.10
<b>Laborers</b>												
Forman	236.5	HR	\$ 37.50	\$ 8,868.75								\$ 8,868.75
General	260.5	HR	\$ 34.36	\$ 8,950.78								\$ 8,950.78
<b>APOLLO - OPERATED EQUIPMENT</b>												
<b>Skidster</b>												
+ Operator		HR	\$ 45.84	\$ -								\$ -
+ Operating Costs	14.0							HRLY	\$ 24.35	\$ 340.90		\$ 340.90
<b>Excavator - CAT 303</b>												
+ Operator		HR	\$ 45.84	\$ -								\$ -
+ Operating Costs	68.0							HRLY	\$ 19.42	\$ 1,320.56		\$ 1,320.56
<b>Excavator - CAT 312C L</b>												
+ Operator		HR	\$ 45.84	\$ -								\$ -
+ Operating Costs	91.5							HRLY	\$ 50.93	\$ 4,660.10		\$ 4,660.10
<b>Finish Blade</b>												
+ Operator	20.0	HR	\$ 45.84	\$ 916.80								\$ 916.80
+ Operating Costs	20.0							HRLY	\$ 122.39	\$ 2,447.80		\$ 2,447.80
<b>Excavator - CAT 330CL</b>												
+ Operator	0.0	HR	\$ 45.84	\$ -								\$ -
+ Operating Costs	139.0							HRLY	\$ 122.39	\$ 17,012.21		\$ 17,012.21
<b>Loader - CAT 950H</b>												
+ Operator	30.0	HR	\$ 45.84	\$ 1,375.20								\$ 1,375.20
+ Operating Costs	43.5							HRLY	\$ 73.23	\$ 3,182.98		\$ 3,182.98
<b>On-Highway Rear Dumps</b>												
+ Operator		HR	\$ 34.42	\$ -								\$ -
+ Operating Costs	38.0							HRLY	\$ 64.57	\$ 2,451.79		\$ 2,451.79
<b>APOLLO - OTHER EQUIPMENT COSTS</b>												
Sunbelt Rentals	1.0							LS	\$ 2,412.49	\$ 2,412.49		\$ 2,412.49
Western States Loader	1.0							WKS	\$ 1,517.58	\$ 1,517.58		\$ 1,517.58
Western States 305	1.3							WKS	\$ 855.14	\$ 1,068.93		\$ 1,068.93
<b>APOLLO - MATERIAL COSTS</b>												
Grating	1.0				LS	\$ 1,800.00	\$ 1,800.00					\$ 1,800.00
Grating Hardware	1.0				LS	\$ 100.00	\$ 100.00					\$ 100.00
Dump Fees	48.0				CY	\$ 5.00	\$ 240.00					\$ 240.00
Grout	10.0				EA	\$ 13.73	\$ 137.27					\$ 137.27
Hilti	1.0				LS	\$ 205.05	\$ 205.05					\$ 205.05
Misc. Concrete Materials	1.0				LS	\$ 250.00	\$ 250.00					\$ 250.00
Misc. Pipe Mats	1.0				LS	\$ 1,044.00	\$ 1,044.00					\$ 1,044.00
Golden Harvest (Gate stem extension at SES)	1.0				LS	\$ 355.00	\$ 355.00					\$ 355.00
HDF	1.0				LS	\$19,823.76	\$ 19,823.76					\$ 19,823.76
Spokane Hose	1.0				LS	\$ 398.88	\$ 398.88					\$ 398.88
Wilbert Precast	1.0				LS	\$ 2,974.50	\$ 2,974.50					\$ 2,974.50
Columbia Rigging	1.0				LS	\$ 1,763.23	\$ 1,763.23					\$ 1,763.23
Apollo - Subtotal Direct Costs >				\$ 43,744.55			\$ 29,091.69			\$ 36,415.33		\$ 109,251.57
Markup on Self-Performed Labor, Mat'l's & Equipment >	15.0%			\$ 6,561.68			\$ 4,363.75			\$ 5,462.30		\$ 16,387.74
<b>SUBCONTRACTOR COSTS</b>												
Mountain States	1										\$ 733.14	\$ 733.14
Spokane Concrete Cutting	1.0										\$ 2,036.00	\$ 2,036.00
Subtotal Subcontractors Costs >											\$ 2,769.14	\$ 2,769.14
Markup on Subcontractor Costs >	5.0%										\$ 138.46	\$ 138.46
<b>SUPPLEMENTAL COSTS</b>												
Special Consultants											\$ -	\$ -

**Work Change Directive**  
**Project: City of Coeur d'Alene Tertiary Treatment Phase 2**  
**Apollo Inc.**

**WCD No:** 29Rev2  
**Item No:** 1  
**Date:** 9/6/19

*Item Description: SC3 Piping Incidentals*

Description	Qty	U of M	Rate	Labor	Unit	Rate	Mat	Unit	Rate	Equip.	Subcont. Total	Total
Subsistence for Project Supervision	276.0				HR	\$ 11.25	\$ 3,105.00					\$ 3,105.00
Temporary Facilities at the Site					LS		\$ -					\$ -
Small Tools	1.0				LS	\$ 1,312.34	\$ 1,312.34					\$ 1,312.34
Subtotal Supplementary Costs >							\$ 4,417.34				\$ -	\$ 4,417.34
Markup on Supplementary Costs >	0.0											

<b>Contractor - Total Direct Costs w/Markup &gt;</b>	<b>\$ 132,964.24</b>
Insurance Premium .5% - Changed Work >	\$ 664.82
Bond Premium .75% - Changed Work >	\$ 997.23
<b>TOTAL LUMP SUM COST &gt;</b>	<b>\$ 134,626.29</b>









	Total	
<b>Labor</b>		
Craig Jenne (Super)	240	
Chris Bolten (For)	236.5	
Wylie Jenne (Lab)	128.5	
Scott Miller (Lab)	48	
Brian Greenfelder (Lab)	8	
Byron Walker (Lab)	5	
Kyle Stark (Loader)	30	
Mark Thomas (Blade)	20	
Al Pino (Lab)	52	
Mike Dulaney (Carp)	22	
Hector Paez (Carp)	4	
James Powers (Carp)	4	
Kevin Burke (Super)	8	
Laborer	19	
Tony Delapena (Super)	28	

<b>Equipment Operated</b>		
	330	139
	312	67.5
	950	9
	303	5
	Blade	20
	Dump Truck	9
	Skidster	14
	938 Loader Rental	40
	305 Ex Rental	50

<b>Equipment Standby (1/3 Operated Hr for Standby)</b>			1/3 Hours
	330	0	
	312	71.5	24.0
	950	103.5	34.5
	303	188.5	63.0
	Dump Truck	87	29.0
	Skidster		

1/3

Flowmeter Vault

Email 5/23/18 ✓  
Photo

...Building People Who Build Great Things

## Daily Report of Force Account Worked

Contract Number	Date 5-22-18	Item Number	Item Name
Prime Contractor		Subcontractor / Lower Tier Subcontractor	
Line / Station	Group	Basis of Material Acceptance	RAMS Number

Description of Work Performed  
 36" SI(6) PREP TO REMOVE FLOWMETER VAULT, <sup>NOT SHOWN</sup> 1/2" 3W, 3" PUMP DISCHARGE NO ELV. INSTALL RESTRAINT

## Time Worked Record

	Workers and/or Equipment Working	Occupation of Workers or Equipment Size	Hours Worked		Reg. Rate	O.T. Rate	Amount
			Reg.	O.T.			
1	CRAIG JENNE	SUPER / OPERATOR	9	9			
2	CHRIS BOLTON	PLAYER / SUPER	9	9			
3	BYRON WALKER	LABOR	5				
4	312	TRACKHOE	9	9			
5	303	STANDBY					
6	330	"S" "					
7	950	" "					
8	DUMP TRUCK	" "					
9							
10		INVOICE NEEDED FOR MATERIALS					
11							
12	Dig was close quarter to other piping/elect.						
13							
14							
15							
16							
17							
18							
19							
20							
Calculated By		Date	Checked By				

Not Finished!  
Need to replace vault

Ledger Entry Number	Entered By	Date	Date
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Inspector's Signature W. J. Serrano	Contractor's Representative Signature	Title
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5-21-2019



3/3

Photo ✓



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### Daily Report of Force Account Worked

Contract Number	Date 5-23-18	Item Number	Item Name
Prime Contractor		Subcontractor / Lower Tier Subcontractor	
Line / Station	Group	Basis of Material Acceptance	RAMS Number
Description of Work Performed PREP TO REMOVE METER VAULT			

#### Time Worked Record

	Workers and/or Equipment Working	Occupation of Workers or Equipment Size	Hours Worked		Reg. Rate	O.T. Rate	Amount
			Reg.	O.T.			
1	CHRIS BOLTEN	P.LAYER / SUPER	7				
2	CRAZG JENNE	SUPER / OPERATOR	4				
3	312		4				
4	303	STANDBY					
5	950	" "					
6	330	" "					
7	DUMPTRUCK	" "					
8	BREAK CONCRETE AROUND CONDUIT						
9							
10	Tight dig - conduit/pipe						
11							
12							
13							
14	SAWCUT ON SITE SEE BILLING						
15	Spokane Concrete Cutting						
16							
17							
18							
19							
20							

Calculated By	Date	Checked By	Date	Total
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Ledger Entry Number	Entered By	Date	Entry Verified	Date
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Inspector's Signature <i>[Signature]</i>	Contractor's Representative Signature	Title
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5-21-2019

2/ 6" WSS & 10" RSS  
 3/3 10" flow meter

✓



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Daily Report of Force Account Worked

Contract Number	Date 6-11-18	Item Number	Item Name
Prime Contractor		Subcontractor / Lower Tier Subcontractor	
Line / Station	Group	Basis of Material Acceptance	RAMS Number

Description of Work Performed  
 RESTAGE FOR REMOVAL OF METER VAULT AND MOVE 10" RSS AND 6" WSS IN 36" ALUM.

Time Worked Record							
	Workers and/or Equipment Working	Occupation of Workers or Equipment Size	Hours Worked		Reg. Rate	O.T. Rate	Amount
			Reg.	O.T.			
1	CRAIG SENNE	312 / SUPER	2.5				
2	CHRIS BOLTEN	P. LAYER / SUPER	2.5				
3	312	EXCAVATE	2.5				
4	330	STANDBY					
5	303	~ "					
6	950	~ "					
7	DUMITRUC	~ "					
8							
9							
10							
11							
12							
13							
14							
15							
16							
17							
18							
19							
20							

Calculated By	Date	Checked By	Date	Total
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Ledger Entry Number	Entered By	Date	Entry Verified	Date
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Inspector's Signature: *M. J. Service*  
 Contractor's Representative Signature: \_\_\_\_\_  
 Title: \_\_\_\_\_  
 5-21-2019





Contract Number	Date <i>WJK</i> 6.12.19	Item Number	Item Name WCD# 29
Prime Contractor		Subcontractor / Lower Tier Subcontractor	
Line / Station	Group	Basis of Material Acceptance	RAMS Number
Description of Work Performed <del>Excavate</del> Excavate for 10" Flow meter vault			

## Time Worked Record

	Workers and/or Equipment Working	Occupation of Workers or Equipment Size	Hours Worked		Reg. Rate	O.T. Rate	Amount
			Reg.	O.T.			
1	Kyle STARK	Operator Loader	20				
2	Mark Thomas	Finish Blade	20				
3	Al PINO	Laborer Concrete	20				
4	Mike Dulaney	Carp. (Forms)	20				
5							
6	CAT Rental						
7	938 Loader						
8	305 EX.						
9							
10	INSTALL 2" DRAIN						
11	Al PINO	Laborer concrete	2				
12	MISC 2" PVC HD FOWLER.						
13							
14	Form PAD						
15	Mike Dulaney	Carp (Forms)	2				
16							
17	5x5 Rebar mat	12" ON CENTER					
18	1 cy concrete						
19							
20							
Calculated By		Date	Checked By		Date	Total	

Ledger Entry Number	Entered By	Date	Entry Verified	Date
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Inspector's Signature	Contractor's Representative Signature	Title
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Contract Number	Date 6.24.19	Item Number	Item Name WCD #29
Prime Contractor		Subcontractor / Lower Tier Subcontractor	
Line / Station	Group	Basis of Material Acceptance	RAMS Number
Description of Work Performed INSTALL vault and Backfill			

## Time Worked Record

	Workers and/or Equipment Working	Occupation of Workers or Equipment Size	Hours Worked		Reg. Rate	O.T. Rate	Amount
			Reg.	O.T.			
1	Kyle Stark	Operator	10				
2	Al Pino	Labor (concrete)	10				
3							
4	Form Pipe Penetrations and Pour						
5	Hector Paez	Carp. Forms	4				
6	James Powers	Carp. Forms	4				
7							
8	CAT Rental						
9	305 EX						
10	Skid Steer (Apollo owned)						
11							
12	SUNbelt Rental	*Wilbur Precast*					
13	Jumping Jack	Vault					
14							
15	Central Premier						
16	6 bags of N.S. grout						
17							
18	HD Fowler.						
19	(2) Clean out castings. ✓						
20	(2) 12" SDR 35 Repair Couplers ✓						
Calculated By		Date	Checked By		Date	Total	

Ledger Entry Number	Entered By	Date	Entry Verified	Date
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Inspector's Signature	Contractor's Representative Signature	Title
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1/4

6" WSS & 10" RSS

Email 5/25/18  
Photo ✓



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### Daily Report of Force Account Worked

Contract Number	Date 6-24-18	Item Number	Item Name
Prime Contractor		Subcontractor / Lower Tier Subcontractor	
Line / Station	Group	Basis of Material Acceptance	RAMS Number

Description of Work Performed  
 36" STAND 6" SSC INTERFERENCE WITH EXISTING 10" RSS AND 6" WSS

#### Time Worked Record

	Workers and/or Equipment Working	Occupation of Workers or Equipment Size	Hours Worked		Reg. Rate	O.T. Rate	Amount
			Reg.	O.T.			
1	CRAZIJENNE	312 / SUPER	8				
2	CHRIS BOLTEN	P. WYER / SUPER	8				
3	312	STAND BY	8				
4	330	" "					
5	950	" "					
6	303	" "					
7	DUMPTREUCK	" "					
8							
9							
10							
11							
12							
13							
14							
15							
16							
17							
18							
19							
20							

Calculated By	Date	Checked By	Date	Total
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Ledger Entry Number	Entered By	Date	Entry Verified	Date
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Inspector's Signature <i>[Signature]</i>	Contractor's Representative Signature	Title
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5-21-2019



3/8

RSS 6" WSS 7/10" RSS

✓



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## Daily Report of Force Account Worked

Contract Number	Date 6-12-18	Item Number	Item Name
Prime Contractor		Subcontractor / Lower Tier Subcontractor	
Line / Station	Group	Basis of Material Acceptance	RAMS Number

Description of Work Performed

DIG AND PREP AREA FOR 10" RSS AND 6" WSS TO BE REMOVED OUT OF 36" ALIGNMENT

## Time Worked Record

	Workers and/or Equipment Working	Occupation of Workers or Equipment Size	Hours Worked		Reg. Rate	O.T. Rate	Amount
			Reg.	O.T.			
1	CRAIG JENNE	312/330 / SUPER	7				
2	CHRIS BOLTEN	PLAYER / SUPER	7				
3	WYLIE JENNE	LABOR	7				
4	330	EXCAVATE	3				
5	312	" "	4				
6	DUMP TRUCK	STANDBY					
7	303	" "					
8	950	" "					
9							
10	36" SI will not fit w/out RSS & WSS redo w/ff.						
11							
12							
13							
14							
15							
16							
17							
18							
19							
20							
Calculated By		Date	Checked By		Date	Total	

Ledger Entry Number	Entered By	Date	Entry Verified	Date
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Inspector's Signature <i>Antoine Louie</i>	Contractor's Representative Signature	Title
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4/10

6" WSS &amp; 10" RSS

✓



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## Daily Report of Force Account Worked

Contract Number	Date 6-13-18	Item Number	Item Name
Prime Contractor		Subcontractor / Lower Tier Subcontractor	
Line / Station	Group	Basis of Material Acceptance	RAMS Number
Description of Work Performed WORK AROUND UTILITIES NOT SAID IN AND PREP FOR 10" RSS & 6" WSS RELAY			

## Time Worked Record

	Workers and/or Equipment Working	Occupation of Workers or Equipment Size	Hours Worked		Reg. Rate	O.T. Rate	Amount
			Reg.	O.T.			
1	CRAIG JENNE	312/330 SUPER	3				
2	CHRIS BOLTON	P.LAYER / SUPER	3				
3	MYLZE JENNE	LABOR	3				
4	312		3				
5	330	STAND BY					
6	303	" "					
7	DUMPTRUCK	" "					
8	950 WADER	" "					
9							
10							
11	More 10" RSS & 6" WSS work.						
12							
13							
14							
15							
16							
17							
18							
19							
20							
Calculated By		Date	Checked By		Date	Total	

Ledger Entry Number	Entered By	Date	Entry Verified	Date
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Inspector's Signature <i>Michael S. ...</i>	Contractor's Representative Signature	Title
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5/8

6" WSS & 10" RSS

✓



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### Daily Report of Force Account Worked

Contract Number	Date 6-19-18	Item Number	Item Name
Prime Contractor		Subcontractor / Lower Tier Subcontractor	
Line / Station	Group	Basis of Material Acceptance	RAMS Number
Description of Work Performed PREP FOR 10" RSS AND 6" WSS RELOCATE, WORKAROUND EXISTING NOT SHOWN			

#### Time Worked Record

	Workers and/or Equipment Working	Occupation of Workers or Equipment Size	Hours Worked		Reg. Rate	O.T. Rate	Amount
			Reg.	O.T.			
1	CRAZI JENNE	330, 312, SUPER	6.5				
2	CHARIS BOLTEN	PRAYER 1 SUPER	6.5				
3	330		3.5				
4	312		3				
5	950	STANDBY					
6	303	" "					
7	DUMP TRUCK	" "					
8	312	" "					
9	330	" "					
10							
11							
12							
13							
14							
15							
16							
17							
18							
19							
20							

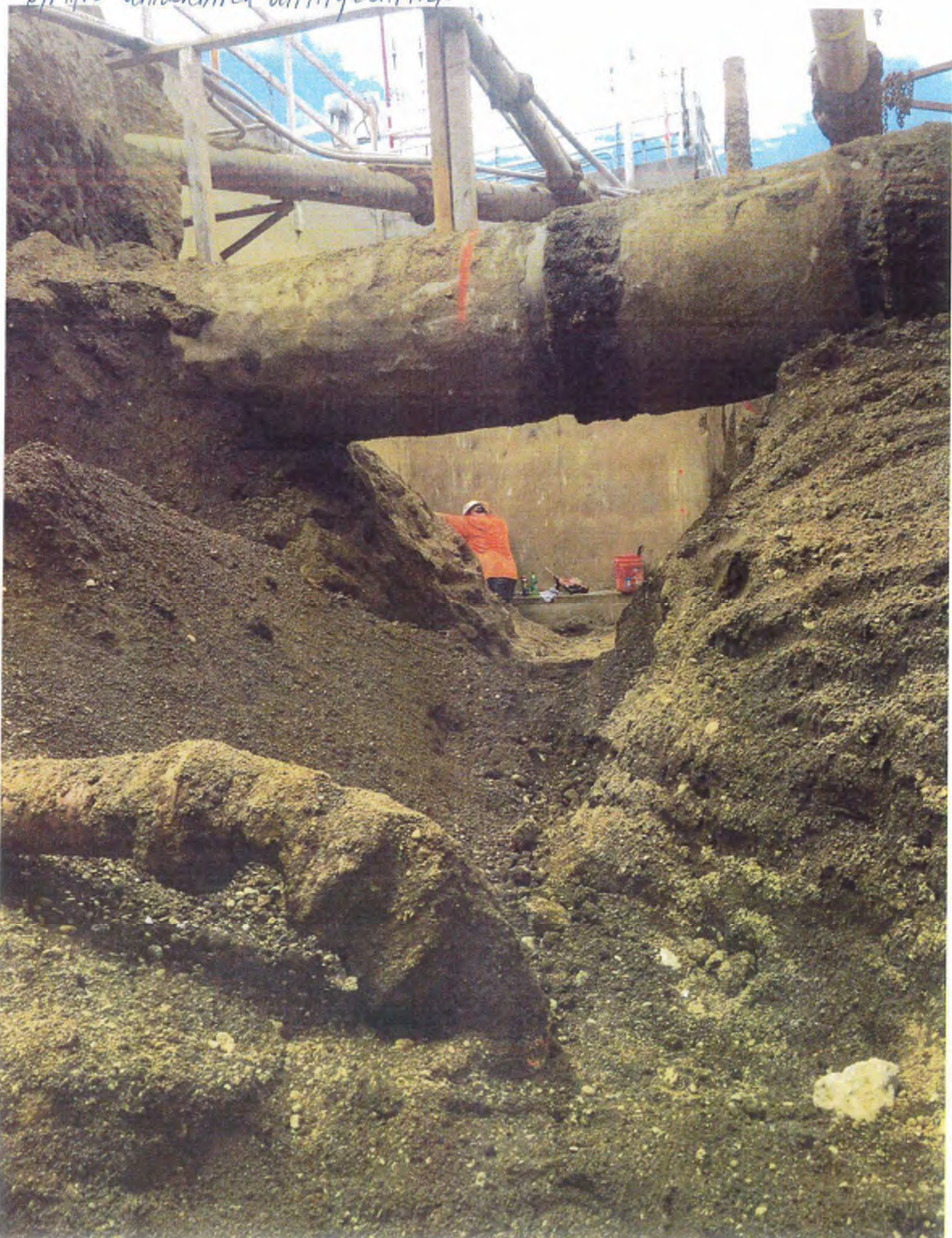
Calculated By	Date	Checked By	Date	Total
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Ledger Entry Number	Entered By	Date	Entry Verified	Date
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Inspector's Signature <i>W. J. Lorcio</i>	Contractor's Representative Signature	Title
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6/19/18 Unidentified Utility Conflicts







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### Daily Report of Force Account Worked

6/21/18  
6" WSS AND RSS

6" SSC

Contract Number	Date: 6-21-18	Item Number	Item Name
Prime Contractor		Subcontractor / Lower Tier Subcontractor	
Line / Station	Group	Basis of Material Acceptance	RAMS Number
Description of Work Performed PREP AND INSTALL 10" RSS REINFORCE AND 6" WSS AND 6" SSC			

#### Time Worked Record

	Workers and/or Equipment Working	Occupation of Workers or Equipment Size	Hours Worked		Reg. Rate	O.T. Rate	Amount
			Reg.	O.T.			
1	CRAIG JENNE	330/312 / SUPER	10				
2	CHARS BOLTON	P.LAYER / SUPER	10				
3	330		8				
4	312	ADD STAND BY	2				
5	303	STANDBY					
6	950	" "					
7	DUMP TRUCK	" "					
8							
9							
10							
11	Work on 6" SSC excavation						
12	(HAND WORK)						
13							
14							
15							
16							
17							
18							
19							
20							

Calculated By	Date	Checked By	Date	Total
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Ledger Entry Number	Entered By	Date	Entry Verified	Date
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Inspector's Signature <i>Arturo Bonini</i>	Contractor's Representative Signature	Title
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6/21/18 6" WSS + 10" RSS





Photo ✓



...Building People Who Build Great Things

### Daily Report of Force Account Worked

Contract Number	Date 9-26-18	Item Number	Item Name
Prime Contractor		Subcontractor / Lower Tier Subcontractor	
Line / Station	Group	Basis of Material Acceptance	RAMS Number
Description of Work Performed ADDITIONAL EX FOR 16" RELOCATED AND 36" SE DEPTH DUE TO 6" SSC CONFLICT			

#### Time Worked Record

	Workers and/or Equipment Working	Occupation of Workers or Equipment Size	Hours Worked		Reg. Rate	O.T. Rate	Amount
			Reg.	O.T.			
1	CRAIG TENNE	330 SUPER	4.5				
2	CHRIS BOLLEN	P. WELDER / SUPER	4.5				
3	SCOTT MILLER	LABOR	4.5				
4	330		4.5				
5	950	STAND BY					
6	DUMP TRUCK	" "					
7	SKIDDY	" "					
8							
9							
10	SC 1 work.						
11	HAD TO LOWER 36" SE TO GET						
12	UNDER SSC FROM SC 1.						
13							
14							
15							
16							
17							
18							
19							
20							

Calculated By	Date	Checked By	Date	Total
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Ledger Entry Number	Entered By	Date	Entry Verified	Date
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Inspector's Signature <i>W. J. Somo</i>	Contractor's Representative Signature	Title
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8/8



...Building People Who Build Great Things

Daily Report of Force Account Worked

Contract Number	Date 11-20-18	Item Number	Item Name
Prime Contractor		Subcontractor / Lower Tier Subcontractor	
Line / Station	Group	Basis of Material Acceptance	RAMS Number

Description of Work Performed  
 INSTALL 10" WSS AND 6" RSS AT SCB #1 AND BACK FILL ~~ADDITIONAL EXPENSE~~ SE

Time Worked Record

	Workers and/or Equipment Working	Occupation of Workers or Equipment Size	Hours Worked		Reg. Rate	O.T. Rate	Amount
			Reg.	O.T.			
1	CRAZIJENNE		9				
2	CHRIS BULTEN		9				
3	SCOTT MILLER		8				
4	330		9				
5	312		9				
6	DUMP TRUCK		9				
7	950		9				
8							
9	(1) STUCK 10" DI						
10	(3) 10" 90 MTXMT						
11	(6) 10" MEGA LUGS AND BOLT UP						
12	(1) STUCK 6" DI						
13	(1) 6" 90 MTXMT						
14	(1) 6" BARREL MTXMT						
15	(4) 6" MEGA LUGS BOLT UP						
16	(2) 6" FIELD LOC GASKETS						
17							
18							
19							
20							

HDP Invoice

5 EEPZGS

Calculated By	Date	Checked By	Date	Total
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Ledger Entry Number	Entered By	Date	Entry Verified	Date
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Inspector's Signature <i>Mike Service</i>	Contractor's Representative Signature	Title
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1/2 Email 6/26/18 Mud Valve

✓



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### Daily Report of Force Account Worked

Contract Number	Date 6-25-18	Item Number	Item Name
Prime Contractor		Subcontractor / Lower Tier Subcontractor	
Line / Station	Group	Basis of Material Acceptance	RAMS Number
Description of Work Performed WORK ON MUD VALVE IN 36" S116 D-BOX AREA TO BE REMOVED <sup>DEMO</sup>			

#### Time Worked Record

	Workers and/or Equipment Working	Occupation of Workers or Equipment Size	Hours Worked		Reg. Rate	O.T. Rate	Amount
			Reg.	O.T.			
1	CHRYS BOLTEN	P. WYER / SUPER	2.5				
2	CAROL SE NNE	OPERATOR / SUPER	2.5				
3	WYLIE TENNE	LABOR	2.5				
4	330	STANDBY					
5	312	" "					
6	303	" "					
7	950	" "					
8	DUMP TRUCK	" "					
9							
10							
11	Amount \$750						
12							
13							
14							
15							
16							
17							
18							
19							
20							

Calculated By	Date	Checked By	Date	Total
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Ledger Entry Number	Entered By	Date	Entry Verified	Date
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Inspector's Signature <i>Arturo Serrano</i>	Contractor's Representative Signature	Title
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5-21-2019

292 31 Mud Valve  
 6" SSC (Email 6112 and 6120)



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Daily Report of Force Account Worked

Contract Number	Date 6-26-18	Item Number	Item Name
Prime Contractor		Subcontractor / Lower Tier Subcontractor	
Line / Station	Group	Basis of Material Acceptance	RAMS Number

Description of Work Performed  
 REMOVE AND FUDGE MUD VALVE 2" INFLUENT D-BOX AND DIG 6" SSC

Time Worked Record

	Workers and/or Equipment Working	Occupation of Workers or Equipment Size	Hours Worked		Reg. Rate	O.T. Rate	Amount
			Reg.	O.T.			
1	CRAZU JENNE	DIG SSC 3/6 PLOT	5				
2	CHRIS BOLTON	" "	5				
3	WYLIE JENNE	" "	5				
4	6" BIF	MATERIALS USED					
5	2" PLUG	" "					
6	330	STANDBY					
7	312	" "					
8	950	" "					
9	303	" "					
10	DUMP TRUCK	" "					
11							
12							
13							
14							
15							
16							
17							
18							
19							
20							

VOLD  
 Duplicate

Calculated By	Date	Checked By	Date	Total
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Ledger Entry Number	Entered By	Date	Entry Verified	Date
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Inspector's Signature	Contractor's Representative Signature	Title
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1/12 6" SSC Email 6/12 3/6/2018

✓



WCD 44 Include M WCP29  
...Building People Who Build Great Things

### Daily Report of Force Account Worked

Contract Number	Date 5-29-18	Item Number	Item Name
Prime Contractor		Subcontractor / Lower Tier Subcontractor	
Line / Station	Group	Basis of Material Acceptance	RAMS Number
Description of Work Performed RESET WORK FROM 36" STAND 6" SSC TRANSITION			

#### Time Worked Record

	Workers and/or Equipment Working	Occupation of Workers or Equipment Size	Hours Worked		Reg. Rate	O.T. Rate	Amount
			Reg.	O.T.			
1	CRAIG JENNE	OPERATOR / SUPER	3				
2	CHRIS BOLTON	PLUMBER / SUPER	3				
3	330	STANDBY					
4	950	" "					
5	303	" "					
6	DUMPTRUCK	" "					
7	312	" "					
8							
9							
10	6" SSC still active.						
11							
12							
13							
14							
15							
16							
17							
18							
19							
20							

Calculated By	Date	Checked By	Date	Total
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Ledger Entry Number	Entered By	Date	Entry Verified	Date
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Inspector's Signature <i>Mike Somia</i>	Contractor's Representative Signature	Title
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5-21-2019



6/1 6" WSS & 10" RSS

2/12 Apollo Inc. 6" SSC

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### Daily Report of Force Account Worked

Contract Number	Date 6-21-18	Item Number	Item Name
Prime Contractor		Subcontractor / Lower Tier Subcontractor	
Line / Station	Group	Basis of Material Acceptance	RAMS Number
Description of Work Performed PREP AND INSTALL 16" RSS RELOCATE AND 6" WSS AND 6" SSC			

#### Time Worked Record

	Workers and/or Equipment Working	Occupation of Workers or Equipment Size	Hours Worked		Reg. Rate	O.T. Rate	Amount
			Reg.	O.T.			
1	CRAIG JENNE	330/312 / SUPER	10				
2	CHARS BOLTON	P. LAYER / SUPER	10				
3	330		8				
4	312	ADD STAND BY	2				
5	303	STAND BY					
6	950	" "					
7	Dump truck	" "					
8							
9							
10	<b>VOID</b>						
11							
12							
13							
14							
15							
16							
17							
18							
19							
20							

Calculated By	Date	Checked By	Date	Total
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Ledger Entry Number	Entered By	Date	Entry Verified	Date
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Inspector's Signature	Contractor's Representative Signature	Title
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6/21/18 6" SSC





3/12

Email 6/12/18 &amp; 6/20/18

Photo



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## Daily Report of Force Account Worked

Contract Number	Date 6-22-18	Item Number	Item Name
Prime Contractor		Subcontractor / Lower Tier Subcontractor	
Line / Station	Group	Basis of Material Acceptance	RAMS Number

Description of Work Performed

COMPLETE EXCAVATION AROUND UTILITIES NOT SHOWN AND PREP FOR 6" SSL EXDS

## Time Worked Record

	Workers and/or Equipment Working	Occupation of Workers or Equipment Size	Hours Worked		Reg. Rate	O.T. Rate	Amount
			Reg.	O.T.			
1	CRAIG JENNE	312-330 - SUPER	4				
2	CHRIS BOLLEN	P. LAYER - SUPER	4				
3	WYLZE JENNE	LABOR	4				
4	330	PLUS STANDBY	4				
5	312	STANDBY					
6	950	" "					
7	203	" "					
8	DUMP TRUCK	" "					
9							
10							
11	Electrical not shown -						
12							
13							
14							
15							
16							
17							
18							
19							
20							
Calculated By		Date	Checked By		Date	Total	

Ledger Entry Number	Entered By	Date	Entry Verified	Date
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Inspector's Signature <i>Mike Service</i>	Contractor's Representative Signature	Title
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2/12  
BIF

Mud Valve  
6" SSC (Email 6112 and 6120)

Photo



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### Daily Report of Force Account Worked

Contract Number	Date 6-26-18	Item Number	Item Name
Prime Contractor		Subcontractor / Lower Tier Subcontractor	
Line / Station	Group	Basis of Material Acceptance	RAMS Number

Description of Work Performed  
REMOVE AND FLANGE MUD VALVE IN INFLUENT D-BOX AND DIG 6" SSC

#### Time Worked Record

	Workers and/or Equipment Working	Occupation of Workers or Equipment Size	Hours Worked		Reg. Rate	O.T. Rate	Amount
			Reg.	O.T.			
1	CRAIG JENNE	DIG SSC 3' DEPTH	5				
2	CHRIS BOLTON	" "	5				
3	WYLIE JENNE	" "	5				
4	6" BIF ✓	MATERIALS USED					
5	2" PLUG	" "					
6	330	STANDBY					
7	312	" "					
8	950	" "					
9	303	" "					
10	DUMP TRUCK	" "					
11							
12							
13	City requested to remove & grout.						
14							
15							
16							
17							
18							
19							
20							

Calculated By	Date	Checked By	Date	Total
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Ledger Entry Number	Entered By	Date	Entry Verified	Date
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Inspector's Signature <i>Mike Souda</i>	Contractor's Representative Signature	Title
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5/11

6" SSC



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## Daily Report of Force Account Worked

Contract Number	Date 6-28-18	Item Number	Item Name
Prime Contractor		Subcontractor / Lower Tier Subcontractor	
Line / Station	Group	Basis of Material Acceptance	RAMS Number
Description of Work Performed PREP FOR RELOCATE OF 6" SSC INTO DWS #2			

## Time Worked Record

	Workers and/or Equipment Working	Occupation of Workers or Equipment Size	Hours Worked		Reg. Rate	O.T. Rate	Amount
			Reg.	O.T.			
1	CRAZU TENNE	330 / SUPER	3.5				
2	CHRIS BULTEN	PAVGR / SUPER	3.5				
3	WYLIE TENNE	LABOR	3.5				
4	330	ADOSTANDBY	3.5				
5	312	STAND BY					
6	950	" "					
7	Dump TRUCK	" "					
8	305	" "					
9							
10							
11	Temporary for pumped (2" submerg)						
12	SSC from SC 1 & 2.						
13							
14							
15							
16							
17							
18							
19							
20							
Calculated By		Date	Checked By		Date	Total	

Ledger Entry Number	Entered By	Date	Entry Verified	Date
Inspector's Signature <i>[Signature]</i>		Contractor's Representative Signature		Title



10/28/18 10" SSC





6" SSC



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### Daily Report of Force Account Worked

Contract Number	Date 7-2-18	Item Number	Item Name
Prime Contractor		Subcontractor / Lower Tier Subcontractor	
Line / Station	Group	Basis of Material Acceptance	RAMS Number
Description of Work Performed CUT AND CAP 6" SSC FROM SC#1 TO DRAIN AND CUT 6" OUT OF 36" SIZ (L) ALIGNMENT			SC# P245

#### Time Worked Record

	Workers and/or Equipment Working	Occupation of Workers or Equipment Size	Hours Worked		Reg. Rate	O.T. Rate	Amount
			Reg.	O.T.			
1	CRAZ JENNE	330 / SUPER	3.5				
2	CHRIS BOLTON	P.LAYER / SUPER	3.5				
3	330	STAND BY					
4	312	" "					
5	950	" "					
6	303	" "					
7	DUMP TRUCK	" "					
8							
9							
10	<i>Separated SSC from the solids handling drain lines.</i>						
11							
12							
13							
14							
15							
16							
17							
18							
19							
20							

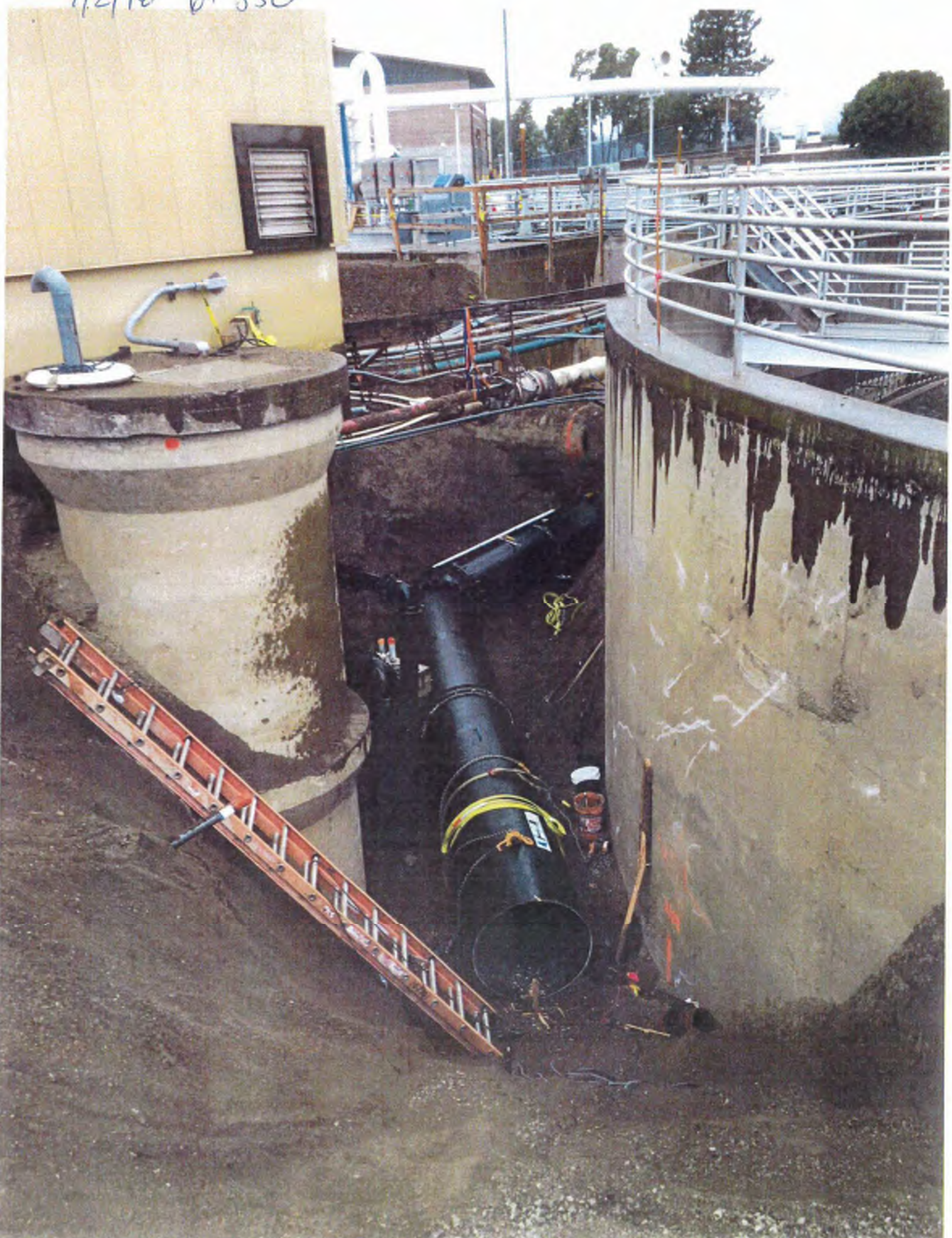
Calculated By	Date	Checked By	Date	Total
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Ledger Entry Number	Entered By	Date	Entry Verified	Date
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Inspector's Signature <i>M. J. Sorensen</i>	Contractor's Representative Signature	Title
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7/2/10 6" SSC





7/12 6" SSC

Photo



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### Daily Report of Force Account Worked

Contract Number	Date 7-3-18	Item Number	Item Name
Prime Contractor		Subcontractor / Lower Tier Subcontractor	
Line / Station	Group	Basis of Material Acceptance	RAMS Number
Description of Work Performed INSTALL 6" WYE 45° AND 22'± OF GLASS LINED MATERIALS. SEE P205 ✓ HOF INVOICE			

#### Time Worked Record

	Workers and/or Equipment Working	Occupation of Workers or Equipment Size	Hours Worked		Reg. Rate	O.T. Rate	Amount
			Reg.	O.T.			
1	CRAIG JENNE	330 / SUPER	9				
2	CHRIS BOLLEN	P. AYER / SUPER	9				
3	WYLZE JENNE	LABOR	9				
4	330	ADD STANDBY	3				
5	312	STANDBY					
6	303	" "					
7	950	" "					
8	DUMPTON	" "					
9							
10							
11							
12							
13							
14							
15							
16							
17							
18							
19							
20							

Calculated By	Date	Checked By	Date	Total
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Ledger Entry Number	Entered By	Date	Entry Verified	Date
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Inspector's Signature <i>Artie Soucie</i>	Contractor's Representative Signature	Title
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7/3/10 6" SSC





8/12 - 6" SSC



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### Daily Report of Force Account Worked

Contract Number	Date 7-4-18	Item Number	Item Name
Prime Contractor		Subcontractor / Lower Tier Subcontractor	
Line / Station	Group	Basis of Material Acceptance	RAMS Number

Description of Work Performed  
 6" SSC REINSTATE COMPLETE CUT IN AT SC #2 AND INSTALL 6" MATERIALS HIDE IN WALL SEE P2CS

#### Time Worked Record

	Workers and/or Equipment Working	Occupation of Workers or Equipment Size	Hours Worked		Reg. Rate	O.T. Rate	Amount
			Reg.	O.T.			
1	CRAIG JENNE	312 / SUPER	8.5				
2	CHRIS BOWEN	PLAYER / SUPER	8.5				
3	WYLIE JENNE	LABOR	8.5				
4	312	ADD STAND BY	3				
5	330	STAND BY					
6	450	" "					
7	DUMP TRUCK	" "					
8							
9							
10							
11							
12							
13							
14							
15							
16							
17							
18							
19							
20							

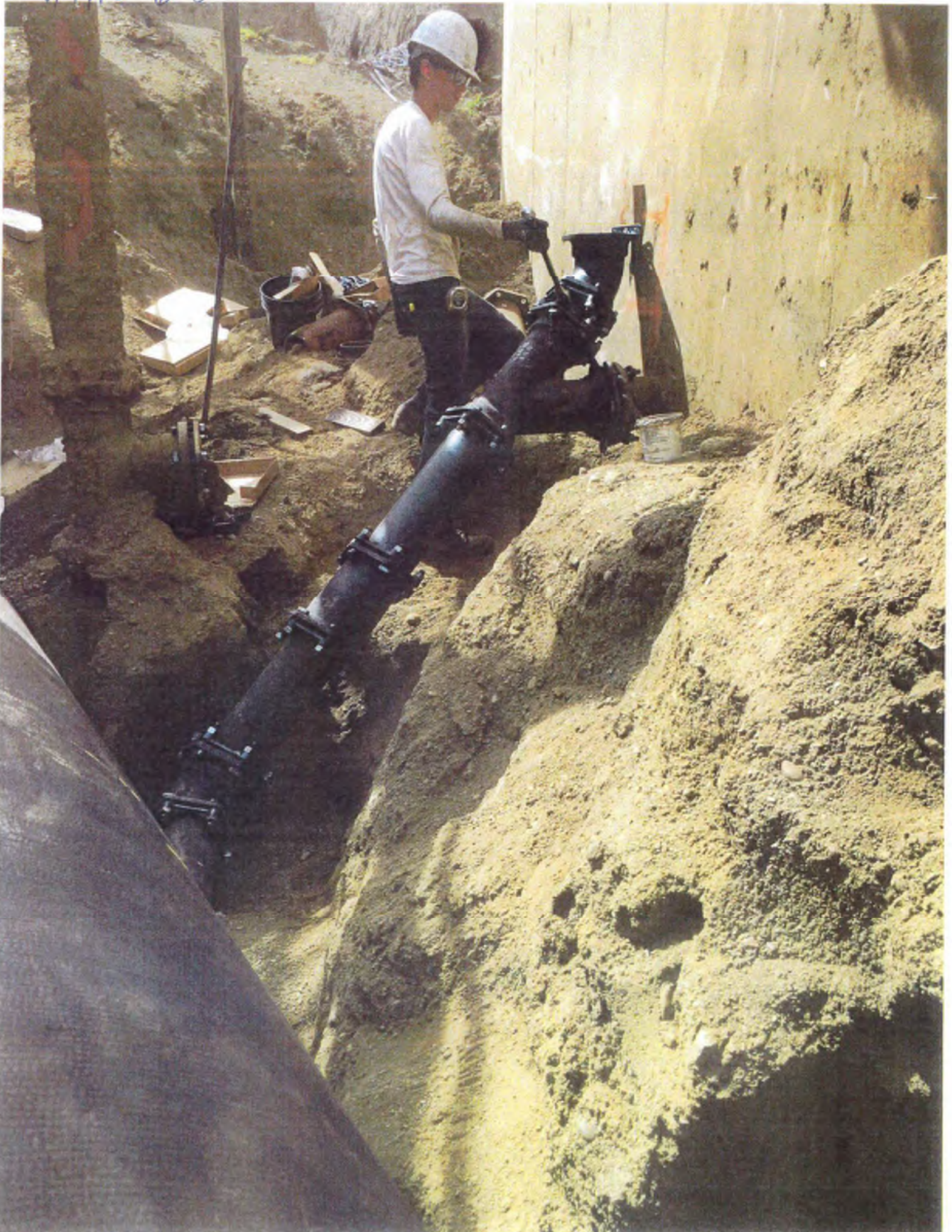
Calculated By	Date	Checked By	Date	Total
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Ledger Entry Number	Entered By	Date	Entry Verified	Date
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Inspector's Signature <i>[Signature]</i>	Contractor's Representative Signature <i>[Signature]</i>	Title
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7/4/18 6" SSC





9/12



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### Daily Report of Force Account Worked

Contract Number	Date 7-5-18	Item Number	Item Name
Prime Contractor		Subcontractor / Lower Tier Subcontractor	
Line / Station	Group	Basis of Material Acceptance	RAMS Number

Description of Work Performed  
3" CORE DRILL FOR 6" SSC TEMP DISCHARGE AND INS BOLL

#### Time Worked Record

	Workers and/or Equipment Working	Occupation of Workers or Equipment Size	Hours Worked		Reg. Rate	O.T. Rate	Amount
			Reg.	O.T.			
1	CHRIS BOLTON	P. WYER 1 SUPER	4				
2							
3		Core Drill Machine Rental					
4		Sun Belt					
5							
6							
7							
8							
9							
10							
11							
12							
13							
14							
15							
16							
17							
18							
19							
20							

For 2" pump - Temporary for SLIWA.

Calculated By	Date	Checked By	Date	Total
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Ledger Entry Number	Entered By	Date	Entry Verified	Date
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Inspector's Signature <i>M. J. ...</i>	Contractor's Representative Signature <i>...</i>	Title
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10/11. 6" SSC



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## Daily Report of Force Account Worked

Contract Number	Date 7-10-18	Item Number	Item Name
Prime Contractor		Subcontractor / Lower Tier Subcontractor	
Line / Station	Group	Basis of Material Acceptance	RAMS Number
Description of Work Performed INSTALL RISER ON CLEAN OUT FOR SSC AT SC#2 AND BACKFILL			

## Time Worked Record

	Workers and/or Equipment Working	Occupation of Workers or Equipment Size	Hours Worked		Reg. Rate	O.T. Rate	Amount
			Reg.	O.T.			
1	CRAIG JENNE	312 / SUPER	3				
2	CHRIS BOLLEN	PIPER / SUPER	3				
3	WYLLIE JENNE	LABOR	3				
4	312		3				
5	330	STAND BY					
6	450	" "					
7	DUMPRUCK	" "					
8							
9							
10							
11	The SSC line was re-routed to						
12	separate from solid handling drain						
13	to SC 2 sump.						
14							
15							
16							
17							
18							
19							
20							
Calculated By		Date	Checked By		Date	Total	

Ledger Entry Number	Entered By	Date	Entry Verified	Date
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Inspector's Signature <i>Mike Soucie</i>	Contractor's Representative Signature	Title
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7/10/10 6" SSC'





11/12 6<sup>th</sup> SSC



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### Daily Report of Force Account Worked

Contract Number	Date 7-16-18	Item Number	Item Name
Prime Contractor		Subcontractor / Lower Tier Subcontractor	
Line / Station	Group	Basis of Material Acceptance	RAMS Number
Description of Work Performed WORK ON EXISTING SSL FLOW TO DWS #2			

#### Time Worked Record

	Workers and/or Equipment Working	Occupation of Workers or Equipment Size	Hours Worked		Reg. Rate	O.T. Rate	Amount
			Reg.	O.T.			
1	CRAZJENNE		1				
2	WYLIETENNE		1				
3							
4							
5							
6							
7							
8							
9							
10							
11							
12							
13							
14							
15							
16							
17							
18							
19							
20							

Calculated By	Date	Checked By	Date	Total
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Ledger Entry Number	Entered By	Date	Entry Verified	Date
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Inspector's Signature <i>[Signature]</i>	Contractor's Representative Signature <i>[Signature]</i>	Title
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12/12



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### Daily Report of Force Account Worked

Contract Number	Date <b>8-14-18</b>	Item Number	Item Name
Prime Contractor		Subcontractor / Lower Tier Subcontractor	
Line / Station	Group	Basis of Material Acceptance	RAMS Number
Description of Work Performed <b>6" SETUP PUMP ON SSC TO SCUM PUMPING STATION</b>			

#### Time Worked Record

	Workers and/or Equipment Working	Occupation of Workers or Equipment Size	Hours Worked		Reg. Rate	O.T. Rate	Amount	
			Reg.	O.T.				
1	CRAZIJENNE	330 1 SUPER	3					
2	WYLIJENNE	LABOR	3					
3	CHRIS BOLTON	P. WGR 1 SUPER	3					
4	330		3					
5	312	STAND BY						
6	950	" "						
7	Dmp truck	" "						
8	<i>Contract item - Remove per Amy &amp; Craig. off</i>							
9								
10								
11								
12								
13								
14								
15								
16								
17								
18								
19								
20								

Calculated By	Date	Checked By	Date	Total
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Ledger Entry Number	Entered By	Date	Entry Verified	Date
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Inspector's Signature	Contractor's Representative Signature	Title
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1/4 Unidentified Utilities



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Daily Report of Force Account Worked

Contract Number	Date 6-14-18	Item Number	Item Name
Prime Contractor		Subcontractor / Lower Tier Subcontractor	
Line / Station	Group	Basis of Material Acceptance	RAMS Number
Description of Work Performed LOSS OF PRODUCTS FOR UTILITIES NOT SHOWN WORK FOR 36" SIZE			

Time Worked Record

	Workers and/or Equipment Working	Occupation of Workers or Equipment Size	Hours Worked		Reg. Rate	O.T. Rate	Amount
			Reg.	O.T.			
1	CRAIG JENNE	312 SUPER	4.5				
2	CHRIS BOLTON	PLAYER / SUPER	4.5				
3	WYLIE JENNE	LABOR G.CHECK	4.5				
4	312		4.5				
5	330	STANDBY					
6	303	" "					
7	D-TRUCK	" "					
8	950	" "					
9							
10	Extra. work - hand dig & hang / support conduit - See pic.						
11							
12							
13							
14							
15							
16							
17							
18							
19							
20							

WUP 29  
SC3 Piping  
Incidentals

Calculated By	Date	Total
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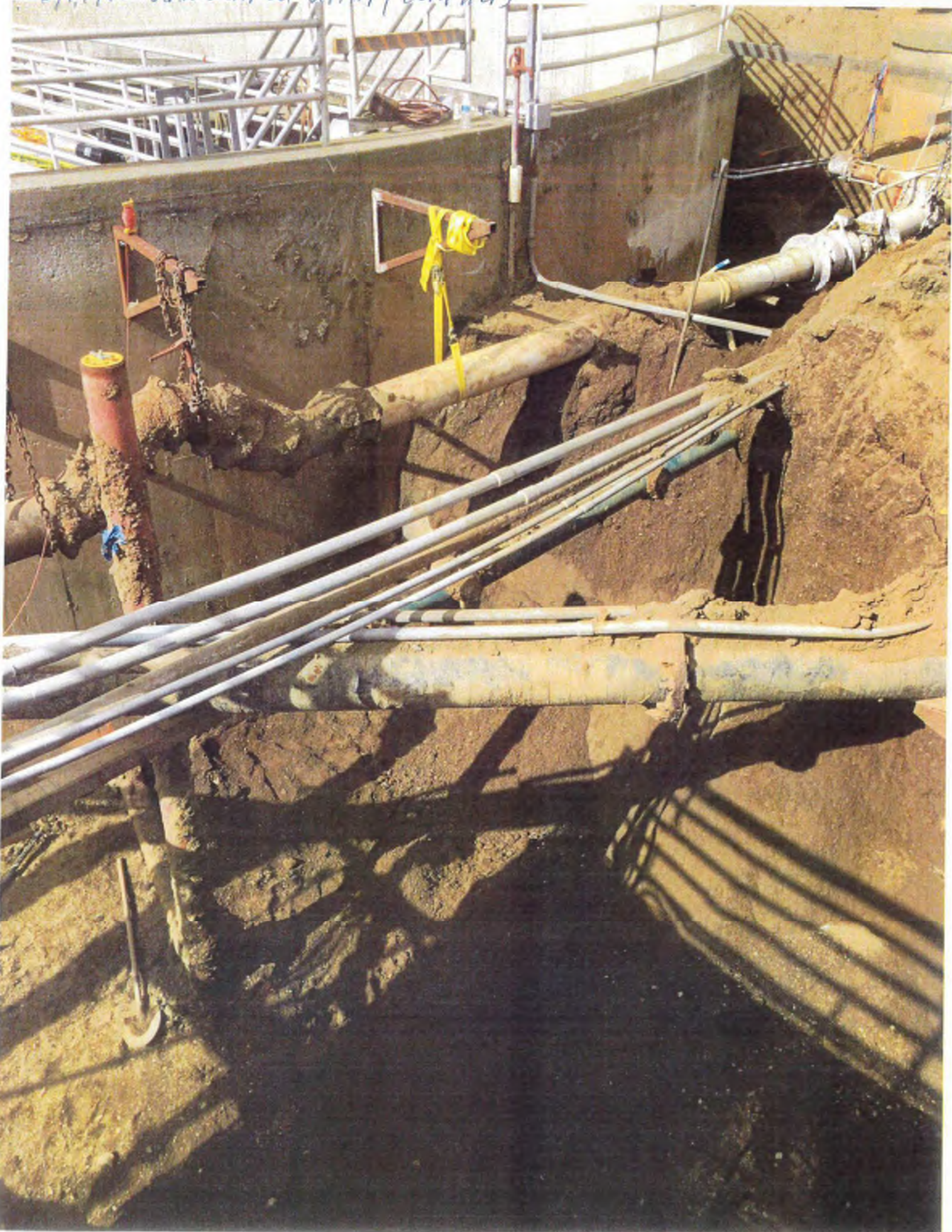
Ledger Entry Number	LIBERATED BY	Date	Entry Verified	Date
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Inspector's Signature	Contractor's Representative Signature	Title
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5-21-2019



6/14/18 Unidentified Utility Conflicts





2/14

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### Daily Report of Force Account Worked

Contract Number	Date <b>6-15-18</b>	Item Number	Item Name
Prime Contractor		Subcontractor / Lower Tier Subcontractor	
Line / Station	Group	Basis of Material Acceptance	RAMS Number
Description of Work Performed <b>UTILITY CONFLICT IN 36" SIZ(G) DZLG AREAS</b>			

#### Time Worked Record

No.	Workers and/or Equipment Working	Occupation of Workers or Equipment Size	Hours Worked		Reg. Rate	O.T. Rate	Amount
			Reg.	O.T.			
1	CHRIS JENNE	330 SUPER	2.5				
2	CHRIS BOLTEN	PLAYER SUPER	2.5				
3	WYLLIE JENNE	LABOR G. CARRICK	2.5				
4	330		2.5				
5	312	STANDBY					
6	350	" "					
7	D. TRUCK	" "					
8	303	" "					
9							
10							
11							
12							
13							
14							
15							
16							
17							
18							
19							
20							

Calculated By	Date	Checked By	Date	Total
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Ledger Entry Number	Entered By	Date	Entry Verified	Date
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Inspector's Signature <i>W. J. ...</i>	Contractor's Representative Signature	Title
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6/15/18 Unidentified Utility Conflicts





3/4

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## Daily Report of Force Account Worked

Contract Number	Date 6-18-18	Item Number	Item Name
Prime Contractor		Subcontractor / Lower Tier Subcontractor	
Line / Station	Group	Basis of Material Acceptance	RAMS Number
Description of Work Performed EXCAVATE FOR 36" SI(6) OBSTRUCTIONS AND PREP TO RELOCATE SEE P205			

## Time Worked Record

	Workers and/or Equipment Working	Occupation of Workers or Equipment Size	Hours Worked		Reg. Rate	O.T. Rate	Amount
			Reg.	O.T.			
1	CRAZ JENNE	312 / SUPER	7				
2	WYLIE JENNE	LABOR	7				
3	CHRIS BOLTEN	P.LAYER / SUPER	5				
4	312	EXCAVATE	7				
5	330	STANDBY					
6	950	" "					
7	303	" "					
8	DUMP TRUCK	" "					
9							
10							
11							
12							
13							
14							
15							
16							
17							
18							
19							
20							

Calculated By	Date	Checked By	Date	Total
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Ledger Entry Number	Entered By	Date	Entry Verified	Date
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Inspector's Signature <i>[Signature]</i>	Contractor's Representative Signature	Title
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6/13/19 Unidentified Utility Conflicts





A14

Photo ✓



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## Daily Report of Force Account Worked

Contract Number	Date 9-18-20 9-19-20	Item Number	Item Name
Prime Contractor		Subcontractor / Lower Tier Subcontractor	
Line / Station	Group	Basis of Material Acceptance	RAMS Number

Description of Work Performed  
 BACKFILL BETWEEN SC13 SC2 UTILITY'S NOT SHOWN ADDITIONAL WORK

## Time Worked Record

	Workers and/or Equipment Working	Occupation of Workers or Equipment Size	Hours Worked		Reg. Rate	O.T. Rate	Amount
			Reg.	O.T.			
1	CHRIS BOLLEN	SUPER 1303/SKIODY	9				
2	SCOTT MILLER	LABOR	9				
3		303	5				
4		SKIODY	4				
5							
6							
7							
8							
9	Electrical						
10							
11							
12							
13							
14							
15							
16							
17							
18							
19							
20							
Calculated By		Date	Checked By		Date	Total	

Ledger Entry Number	Entered By	Date	Entry Verified	Date
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Inspector's Signature Artie Soucia	Contractor's Representative Signature	Title
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Email 7/17/18

1/7



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Daily Report of Force Account Worked

Contract Number	Date 7-16-18	Item Number	Item Name
Prime Contractor		Subcontractor / Lower Tier Subcontractor	
Line / Station	Group	Basis of Material Acceptance	RAMS Number
Description of Work Performed S.E.S. EX CONFLICT FROM CONDUIT 3 EX 252 L PIPE ENCASEMENT			

Time Worked Record

	Workers and/or Equipment Working	Occupation of Workers or Equipment Size	Hours Worked		Reg. Rate	O.T. Rate	Amount
			Reg.	O.T.			
1	CRAIG JENNE	312 1 SUPER	4.5				
2	CHRIS BOLTEN	P.LAYER / SUPER	4.5				
3	WYLIE JENNE	LABOR	4.5				
4	312		4.5				
5	330	STAND BY					
6	950	" "					
7	303	" "					
8	DUMP TRUCK	" "					
9							
10							
11							
12							
13							
14							
15							
16							
17							
18							
19							
20							
Calculated By		Date	Date		Total		

Need Kevin Force Account !!

Ledger Entry Number	Entered By	Date	Entry Verified	Date
Inspector's Signature		Contractor's Representative Signature		Title

2/7

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## Daily Report of Force Account Worked

Contract Number	Date 7-17-18	Item Number	Item Name
Prime Contractor		Subcontractor / Lower Tier Subcontractor	
Line / Station	Group	Basis of Material Acceptance	RAMS Number
Description of Work Performed S.E.S. EX DELAY DUE TO ENCASEMENT MOB TO NEW AREA			

## Time Worked Record

	Workers and/or Equipment Working	Occupation of Workers or Equipment Size	Hours Worked		Reg. Rate	O.T. Rate	Amount
			Reg.	O.T.			
1	CRAZE JENNE	SUPER	2				
2	CHARZ BOLTEN	SUPER	2				
3	WYLZE JENNE	LABOR	2				
4	330	STAND BY					
5	312	" "					
6	303	" "					
7	950	" "					
8	DUMP TRUCK	" "					
9							
10							
11							
12							
13							
14							
15							
16							
17							
18							
19							
20							
Calculated By		Date	Checked By		Date	Total	

Ledger Entry Number	Entered By	Date	Entry Verified	Date
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Inspector's Signature	Contractor's Representative Signature	Title
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3/7



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## Daily Report of Force Account Worked

Contract Number	Date 7-18-18	Item Number	Item Name
Prime Contractor		Subcontractor / Lower Tier Subcontractor	
Line / Station	Group	Basis of Material Acceptance	RAMS Number
Description of Work Performed S.E.S. EX ELIZAL CONDUIT IN MIDDLE OF EXCAVATION 5 EGP265			

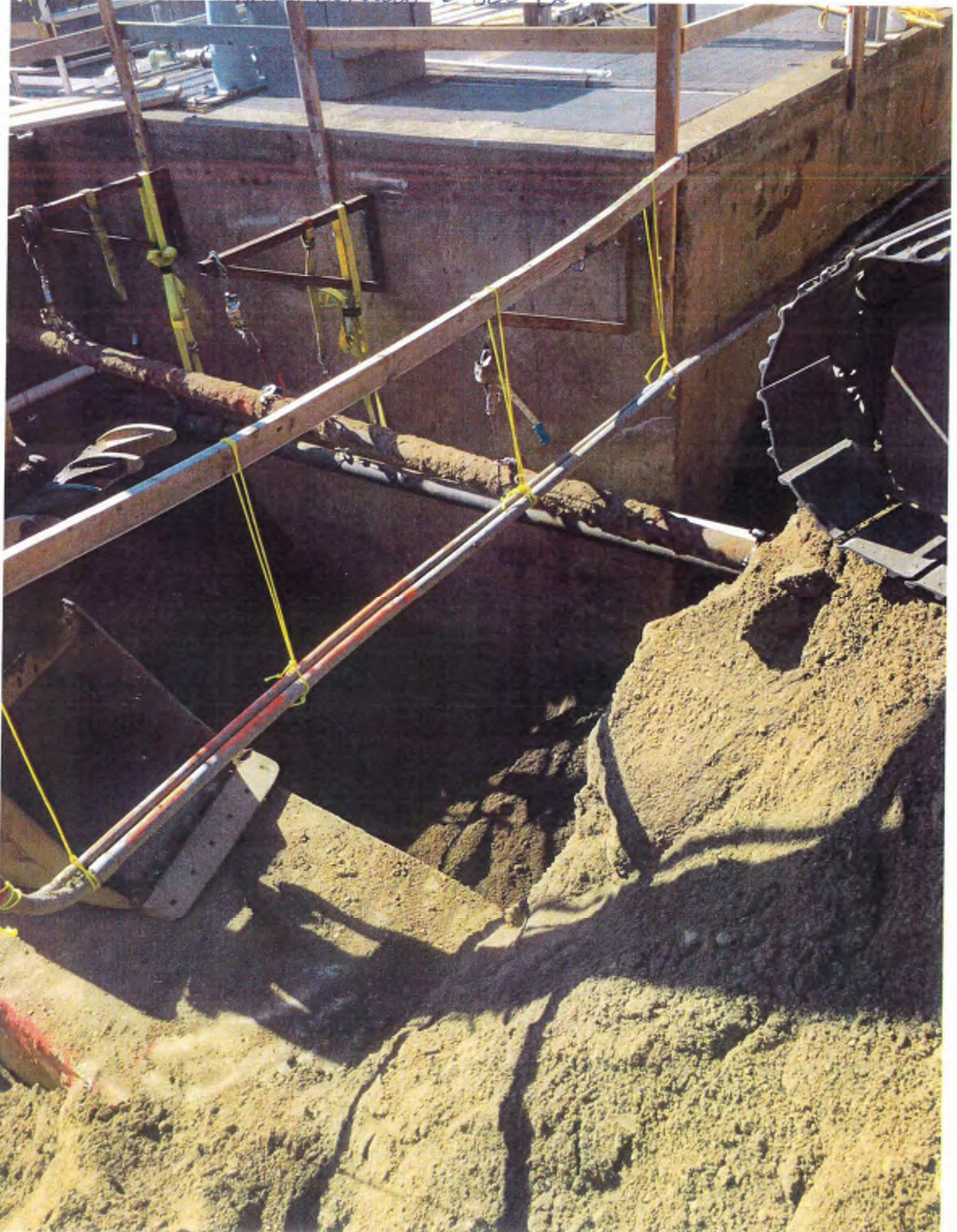
## Time Worked Record

	Workers and/or Equipment Working	Occupation of Workers or Equipment Size	Hours Worked		Reg. Rate	O.T. Rate	Amount
			Reg.	O.T.			
1	CRAIG TENNE	312 1 SUPER	4				
2	CHRIS BOLTON	P. LAYER / SUPER	4				
3	WYLLIE TENNE	LABOR	4				
4	312	STAND BY	4				
5	330	" "					
6	950	" "					
7	303	" "					
8	DUMPTON	" "					
9							
10							
11							
12							
13							
14							
15							
16							
17							
18							
19							
20							
Calculated By	Date	Checked By	Date	Total			

Ledger Entry Number	Entered By	Date	Entry Verified	Date
Inspector's Signature		Contractor's Representative Signature		Title



7/16/18 Unidentified Conduit @ SES ex





5/7

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## Daily Report of Force Account Worked

Contract Number	Date 7-23-18	Item Number	Item Name
Prime Contractor		Subcontractor / Lower Tier Subcontractor	
Line / Station	Group	Basis of Material Acceptance	RAMS Number

Description of Work Performed  
SES, EX DUCT BANK REMOVAL, ELECTRIC INTERFERENCE AND ENGAGE<sup>36"</sup>

## Time Worked Record

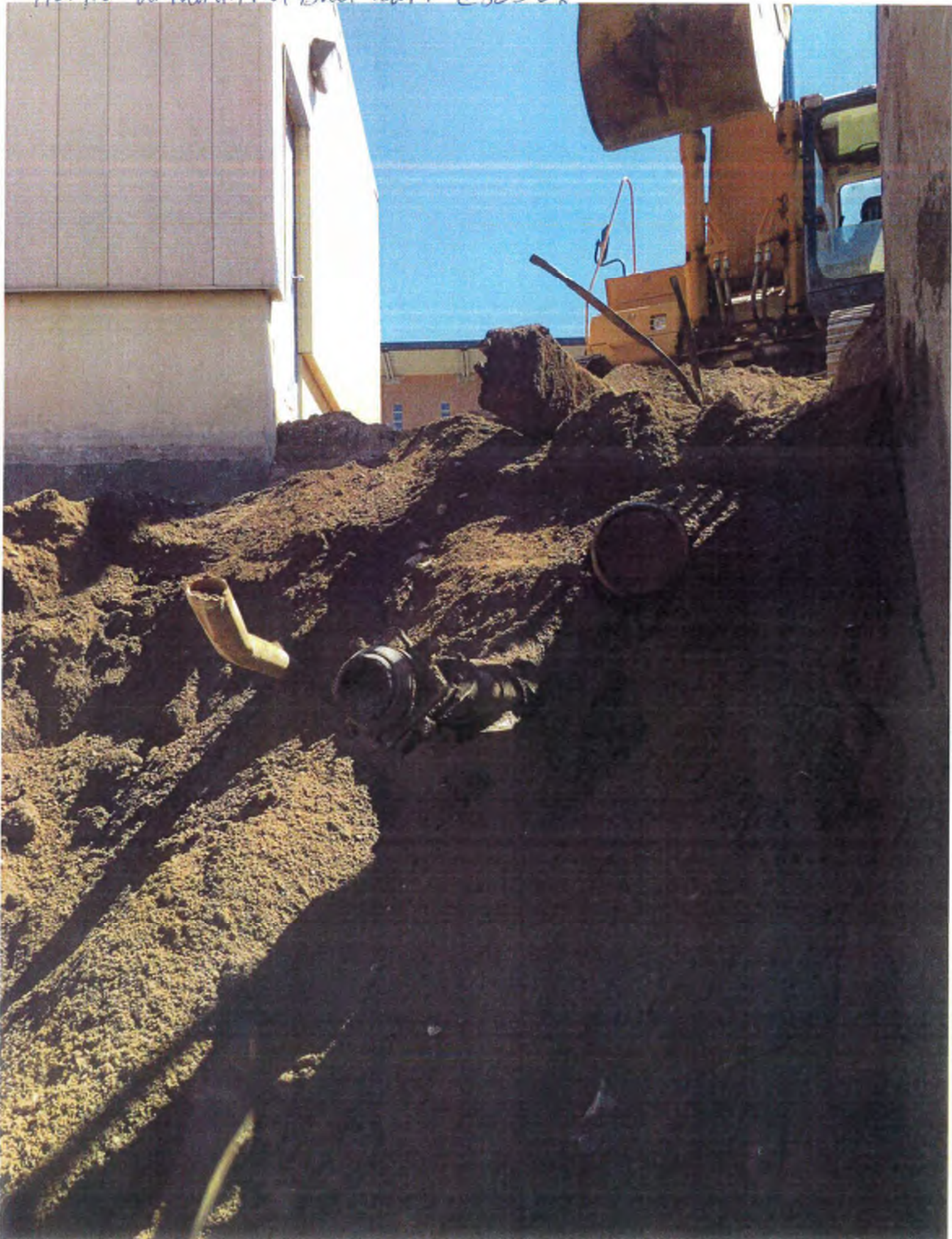
	Workers and/or Equipment Working	Occupation of Workers or Equipment Size	Hours Worked		Reg. Rate	O.T. Rate	Amount
			Reg.	O.T.			
1	CRAZGJENNE	312 / SUPER	4				
2	CHRIS BOLTEN	P.LAYER / SUPER	4				
3	WYLTZEJENNE	LABOR	4				
4	312		4				
5	330	STAND BY					
6	350	" "					
7	303	" "					
8	DUMP TRUCK	" "					
9							
10							
11							
12							
13							
14							
15							
16							
17							
18							
19							
20							
Calculated By		Date	Checked By		Date	Total	

Ledger Entry Number	Entered By	Date	Entry Verified	Date
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Inspector's Signature	Contractor's Representative Signature	Title
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7/23/18 Unidentified Duct Bank @ SES Ex





7/23/10 Unidentified blue bank





7/7

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### Daily Report of Force Account Worked

Contract Number	Date 7-27-18	Item Number	Item Name
Prime Contractor		Subcontractor / Lower Tier Subcontractor	
Line / Station	Group	Basis of Material Acceptance	RAMS Number
Description of Work Performed S.E.S. EX HANDWORK AROUND 36" PIPE ENCASMENT			

#### Time Worked Record

	Workers and/or Equipment Working	Occupation of Workers or Equipment Size	Hours Worked		Reg. Rate	O.T. Rate	Amount
			Reg.	O.T.			
1	CHARIS BOLTON	3301 SUPER	2				
2	WYLZEJENNE	LABOR	2				
3	330		2				
4	312	STAND BY					
5	950	" "					
6	DUMP TRUCK	" "					
7							
8							
9							
10							
11							
12							
13							
14							
15							
16							
17							
18							
19							
20							

Calculated By	Date	Checked By	Date	Total
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Ledger Entry Number	Entered By	Date	Entry Verified	Date
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Inspector's Signature	Contractor's Representative Signature	Title
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# Daily Report of Force Account Worked

Contract Number	Date 7/17/18	Item Number	Item Name
Prime Contractor		Subcontractor / Lower Tier Subcontractor	
Line / Station	Group	Basis of Material Acceptance	RAMS Number
Description of Work Performed S.E.S. Remove pipe encasement to form SES			

Time Worked Record							
	Workers and/or Equipment Working	Occupation of Workers or Equipment Size	Hours Worked		Reg. Rate	O.T. Rate	Amount
			Reg.	O.T.			
1	Kevin Burke	Coordinator	8				
2	Labourers	Chp Concr	16				
3							
4		Chipping rototammer					Hilti Invoice ✓
5							
6		Dump Fees 10 cy					✓
7							
8							
9							
10							
11							
12							
13							
14							
15							
16							
17							
18							
19							
20							

Calculated By	Date	Checked By	Date	Total
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Ledger Entry Number	Entered By	Date	Entry Verified	Date
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Inspector's Signature	Contractor's Representative Signature	Title
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Email 7/30/18

47

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### Daily Report of Force Account Worked

Contract Number	Date 7-25-18	Item Number	Item Name
Prime Contractor		Subcontractor / Lower Tier Subcontractor	
Line / Station	Group	Basis of Material Acceptance	RAMS Number

Description of Work Performed  
 S.E.S. EX<sup>SSC</sup> FROM SC#1 IN ALIGNMENT 36" EFFLUENT, REMOVE EXISTING DUCT BANK SCEP 225

#### Time Worked Record

	Workers and/or Equipment Working	Occupation of Workers or Equipment Size	Hours Worked		Reg. Rate	O.T. Rate	Amount
			Reg.	O.T.			
1	CRAIG TENNE	330 / SUPER	5				
2	CAROL BOLLEN	PLAYER / SUPER	5				
3	WYLLIE TENNE	LABOR	5				
4	330		5				
5	312	STAND BY					
6	303	" "					
7	950	" "					
8	DUMPTOWN	" "					
9							
10							
11		MOD TO 36" SI (6)					
12	Duct Bank not shown - removed.						
13	Disposal to be included.						
14							
15							
16							
17							
18							
19							
20							

Calculated By	Date	Checked By	Date	Total
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Ledger Entry Number	Entered By	Date	Entry Verified	Date
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Inspector's Signature <i>M. J. ...</i>	Contractor's Representative Signature	Title
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5-21-2019

2/7

Photo ✓



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### Daily Report of Force Account Worked

Contract Number	Date 7-30-18	Item Number	Item Name
Prime Contractor		Subcontractor / Lower Tier Subcontractor	
Line / Station	Group	Basis of Material Acceptance	RAMS Number
Description of Work Performed S.E.S. EX HANDWORK UNDER 36" PIPE ENCASUREMENT, 6" SSC, 10" DRUM?			

#### Time Worked Record

	Workers and/or Equipment Working	Occupation of Workers or Equipment Size	Hours Worked		Reg. Rate	O.T. Rate	Amount
			Reg.	O.T.			
1	CRAZL JENNE	330 SUPER	5				
2	WYLZE JENNE	LABOR	5				
3	BRIAN GREW FEVER	LABOR	5				
4	330		5				
5	312	STAND BY					
6	950	" "					
7	DUMP TRUCK	" "					
8							
9							
10	Pipe Encasement not shown, SE structure						
11							
12							
13							
14							
15							
16							
17							
18							
19							
20							

Calculated By	Date	Checked By	Date	Total
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Ledger Entry Number	Entered By	Date	Entry Verified	Date
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Inspector's Signature <i>W. J. ...</i>	Contractor's Representative Signature	Title
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### Daily Report of Force Account Worked

Contract Number	Date <b>7-31-18</b>	Item Number	Item Name
Prime Contractor		Subcontractor / Lower Tier Subcontractor	
Line / Station	Group	Basis of Material Acceptance	RAMS Number
Description of Work Performed <b>EX FOR 36" SIG BETWEEN SC#2 &amp; SC#3 HAS CDF BACKFILL, CHZP GUN</b>			

*\* RENT COMPRESSOR*

#### Time Worked Record

Line	Workers and/or Equipment Working	Occupation of Workers or Equipment Size	Hours Worked		Reg. Rate	O.T. Rate	Amount
			Reg.	O.T.			
1	CRAIG JENNE	330 SUPER	3				
2	BRIAN GREENFELDER	LABOR	3				
3	WYLLIE JENNE	LABOR	3				
4	330		3				
5	312	STAND BY					
6	303	" "					
7	950	" "					
8	DUMP TRUCK	" "					
9							
10							
11	<i>*</i>						
12	<i>INVOICES TO COME</i>						
13							
14							
15							
16							
17							
18							
19							
20							

Calculated By	Date	Checked By	Date	Total
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Ledger Entry Number	Entered By	Date	Entry Verified	Date
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Inspector's Signature <i>Mike Service</i>	Contractor's Representative Signature	Title
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7/31/18





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## Daily Report of Force Account Worked

Contract Number	Date 8-1-18	Item Number	Item Name
Prime Contractor		Subcontractor / Lower Tier Subcontractor	
Line / Station	Group	Basis of Material Acceptance	RAMS Number
Description of Work Performed 36" SI (6) BETWEEN SC <sup>2</sup> & SC <sup>3</sup> REMOVE CDF, RENTAL COMPRESSOR, CH2P 6UN			

## Time Worked Record

	Workers and/or Equipment Working	Occupation of Workers or Equipment Size	Hours Worked		Reg. Rate	O.T. Rate	Amount
			Reg.	O.T.			
1	CRAZG JENNE	3301312/SUPER	6				
2	CHARS BOLTEN	P.LAYER / SUPER	6				
3	WYLZE JENNE	LABOR / CH2P 6UN	8				
4	330		4				
5	312		2				
6	950	STAND BY					
7	303	" "					
8	DUMP TRUCK	" "					
9							
10							
11							
12							
13							
14							
15							
16							
17							
18							
19							
20							
Calculated By		Date	Checked By		Date	Total	

Ledger Entry Number	Entered By	Date	Entry Verified	Date
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Inspector's Signature <i>Michael Swamin</i>	Contractor's Representative Signature	Title
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9/7

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### Daily Report of Force Account Worked

Contract Number	Date 8-2-18	Item Number	Item Name
Prime Contractor		Subcontractor / Lower Tier Subcontractor	
Line / Station	Group	Basis of Material Acceptance	RAMS Number
Description of Work Performed 36" SIG EX CDF UNDER DUCT BANK REMOVAL AIR COMPRESSOR AND CHIPGUN RENTAL			

#### Time Worked Record

	Workers and/or Equipment Working	Occupation of Workers or Equipment Size	Hours Worked		Reg. Rate	O.T. Rate	Amount
			Reg.	O.T.			
1	WYLIE JENNE	LABOR	8				
2	312	STAND BY					
3							
4							
5							
6							
7							
8							
9							
10							
11							
12							
13							
14							
15							
16							
17							
18							
19							
20							

Calculated By	Date	Checked By	Date	Total
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Ledger Entry Number	Entered By	Date	Entry Verified	Date
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Inspector's Signature <i>Mike Soucie</i>	Contractor's Representative Signature	Title
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6/7

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## Daily Report of Force Account Worked

Contract Number	Date 8-3-18	Item Number	Item Name
Prime Contractor		Subcontractor / Lower Tier Subcontractor	
Line / Station	Group	Basis of Material Acceptance	RAMS Number
Description of Work Performed 36' SI (6) EX C/D FINDER DUCT BANK, HANG DUCT BANK SHOWN IN WRAP LOCATION COMPRESSOR 3' CHD GUN PEN			

## Time Worked Record

	Workers and/or Equipment Working	Occupation of Workers or Equipment Size	Hours Worked		Reg. Rate	O.T. Rate	Amount
			Reg.	O.T.			
1	CRAZUJENNE	330	3				
2	CHRIS BOLTON	CHD GUN / SUPER	3				
3	WYZZE JENNE	LABOR	3				
4	330		3				
5	312	STAND BY					
6	950	" "					
7	DUMMACK	" "					
8							
9							
10							
11							
12							
13							
14							
15							
16							
17							
18							
19							
20							
Calculated By		Date	Checked By		Date	Total	

Ledger Entry Number	Entered By	Date	Entry Verified	Date
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Inspector's Signature <i>W. J. S. Sweeney</i>	Contractor's Representative Signature	Title
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7/7

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### Daily Report of Force Account Worked

Contract Number	Date 8-6-18	Item Number	Item Name
Prime Contractor		Subcontractor / Lower Tier Subcontractor	
Line / Station	Group	Basis of Material Acceptance	RAMS Number
Description of Work Performed 36" SI(6) EX CD FUNDER DUCT BANK REMOVAL			COMPRESSOR AND ROCK HAMMER RENTAL

#### Time Worked Record

	Workers and/or Equipment Working	Occupation of Workers or Equipment Size	Hours Worked		Reg. Rate	O.T. Rate	Amount
			Reg.	O.T.			
1	CRAZUJENNE	330 SUPER	4.5				
2	WYLYE JENNE	LABOR	4.5				
3	CARIS BOLLEN	P-LAYER / SUPER	4.5				
4	330		4.5				
5	312	STAND BY					
6	950	" "					
7	DUMP TRUCK	" "					
8							
9							
10							
11							
12							
13							
14							
15							
16							
17							
18							
19							
20							

Calculated By	Date	Checked By	Date	Total
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Ledger Entry Number	Entered By	Date	Entry Verified	Date
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Inspector's Signature <i>Michael Soucie</i>	Contractor's Representative Signature	Title
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1/1

4" TDCP) Email: 10/1/10

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### Daily Report of Force Account Worked

Contract Number	Date 8-22-18	Item Number	Item Name
Prime Contractor		Subcontractor / Lower Tier Subcontractor	
Line / Station	Group	Basis of Material Acceptance	RAMS Number
Description of Work Performed 4" TDCP) DWS <sup>3</sup> to DWS <sup>2</sup> LOWER LINE AND ADD FITTING AND 1/2" HD HYDRANT RUN			

HDF INVOICE  
SEE REC - NOT SHOWN

#### Time Worked Record

	Workers and/or Equipment Working	Occupation of Workers or Equipment Size	Hours Worked		Reg. Rate	O.T. Rate	Amount
			Reg.	O.T.			
1	CRAIG JENNE	3301312/SUPER	4				
2	CHRIS BOLTEN	PLAYER/SUPER	4				
3	WYLLZE JENNE	LABOR	4				
4	330		4				
5	312		4				
6	950	STANDBY					
7	DUMP TRUCK	" "					
8							
9							
10	HAD to lower line: 16" ULL lines						
11							
12							
13							
14							
15							
16							
17							
18							
19							
20							

Calculated By	Date	Checked By	Date	Total
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Ledger Entry Number	Entered By	Date	Entry Verified	Date
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Inspector's Signature <i>Antoine Durbin</i>	Contractor's Representative Signature	Title
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5-21-2019



1/1  
Email 414118 6"SSC

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## Daily Report of Force Account Worked

Contract Number	Date 8-23-18	Item Number	Item Name
Prime Contractor		Subcontractor / Lower Tier Subcontractor	
Line / Station	Group	Basis of Material Acceptance	RAMS Number
Description of Work Performed 6"SSC FROM SCUM PUMPZ TO STA. SCB2 TO SC3 FITTINGS FOR EVALUATION AND LINE			

## Time Worked Record

	Workers and/or Equipment Working	Occupation of Workers or Equipment Size	Hours Worked		Reg. Rate	O.T. Rate	Amount
			Reg.	O.T.			
1	CRAZE JENNE	330 / SUPER	3				
2	WYLZE JENNE	LABOR	3				
3	330		3				
4	312	STAND BY					
5	950	" "					
6	DUMP TRUCK	" "					
7							
8							
9							
10	No verticle shown - Extra						
11	Fittings. <del>shd</del> HPP Invoice						
12							
13							
14							
15							
16							
17							
18							
19							
20							
Calculated By		Date	Checked By		Date	Total	

Ledger Entry Number	Entered By	Date	Entry Verified	Date
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Inspector's Signature <i>W. J. Soucie</i>	Contractor's Representative Signature	Title
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5-21-2019

1/4 Email 10/12/18



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### Daily Report of Force Account Worked

Contract Number	Date 10-11-18	Item Number	Item Name
Prime Contractor		Subcontractor / Lower Tier Subcontractor	
Line / Station	Group	Basis of Material Acceptance	RAMS Number
Description of Work Performed DIBUPTZEIN POINT FOR 8" TSC, NOT WHERE SHOWN, SLEEPERS			

#### Time Worked Record

	Workers and/or Equipment Working	Occupation of Workers or Equipment Size	Hours Worked		Reg. Rate	O.T. Rate	Amount
			Reg.	O.T.			
1	CRAIG JENNE	330 SUPER	4.5				
2	CHRIS BOLTEN	P. LAYER SUPER	4.5				
3	SCOTT MULLER	LABOR	4.5				
4	330		4.5				
5	950	STAND BY					
6	DUMPTACK	" "					
7							
8							
9							
10							
11							
12							
13							
14							
15							
16							
17							
18							
19							
20							

Calculated By	Date	Checked By	Date	Total
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Ledger Entry Number	Entered By	Date	Entry Verified	Date
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Inspector's Signature <i>Mike Dennis</i>	Contractor's Representative Signature	Title
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5-21-2019



3/4

Photo ✓



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### Daily Report of Force Account Worked

Contract Number	Date 10-16-18	Item Number	Item Name
Prime Contractor		Subcontractor / Lower Tier Subcontractor	
Line / Station	Group	Basis of Material Acceptance	RAMS Number SEE P765
Description of Work Performed FLOODED TRENCH DUE TO SEPS AND CITY JET TRUCK ON 6" TD(6)			

#### Time Worked Record

	Workers and/or Equipment Working	Occupation of Workers or Equipment Size	Hours Worked		Reg. Rate	O.T. Rate	Amount
			Reg.	O.T.			
1	CLAZUTENNE	3301 SUPER	3				
2	CHARS PAITEN	P. LAYER / SEPER	3				
3	SCOTT MOLLER	LABOR	3				
4	330		3				
5	950	STAND BY					
6	DUMPTRUCK	" "					
7							
8							
9							
10							
11							
12							
13							
14							
15							
16							
17							
18							
19							
20							

Calculated By	Date	Checked By	Date	Total
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Ledger Entry Number	Entered By	Date	Entry Verified	Date
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Inspector's Signature <i>W. J. Brown</i>	Contractor's Representative Signature	Title
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3/4



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## Daily Report of Force Account Worked

Contract Number	Date 10-22-18	Item Number	Item Name
Prime Contractor		Subcontractor / Lower Tier Subcontractor	
Line / Station	Group	Basis of Material Acceptance	RAMS Number
Description of Work Performed LOOK FOR 8" TSC (G) AND 6" TD (P) NORTH OF SC#3 AND EXTRA WORK			

## Time Worked Record

	Workers and/or Equipment Working	Occupation of Workers or Equipment Size	Hours Worked		Reg. Rate	O.T. Rate	Amount
			Reg.	O.T.			
1	CRAIG JENNE	330 / SUPER	6				
2	CHRIS BOLTEN	P. WATER / SUPER	6				
3	SCOTT MELLER	LABOR	3				
4	NATHAN TATT	LABOR	3				
5	330		6				
6	950	STAND BY					
7	DUMP TRUCK	" "					
8	312 HOEPACK	" "					
9							
10							
11	* - FOUND BOTH PIPES, EXTRA WORK WILL ONLY						
12	BE TRACKED FOR 8" TSC AS ITS 12' ± FROM						
13	DESIGN TIE POINT.						
14							
15							
16							
17							
18							
19							
20							
Calculated By		Date	Checked By		Date	Total	

Ledger Entry Number	Entered By	Date	Entry Verified	Date
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Inspector's Signature <i>W. J. Service</i>	Contractor's Representative Signature	Title
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1/9

10/11/18 Email DWS #1 Excavation Conflicts

Photo ✓



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### Daily Report of Force Account Worked

Contract Number	Date 9-20-18	Item Number	Item Name
Prime Contractor		Subcontractor / Lower Tier Subcontractor	
Line / Station	Group	Basis of Material Acceptance	RAMS Number

Description of Work Performed  
 36" ~~BASE~~ EX AND DWS #1 CONFLICT DUCT BANK REMOVAL AND WORK AROUND 6" TE (NOT SHOWN)  
 AND 6" UNIDENTIFIED 6" SEE PICS

	Workers and/or Equipment Working	Occupation of Workers or Equipment Size	Hours Worked		Reg. Rate	O.T. Rate	Amount
			Reg.	O.T.			
1	CRAZZ JENNE	330 / SUPER	4				
2	CHRIS BOLTON	P. LAYER / SUPER	4				
3	330		4				
4	950	STANDBY					
5	DUMPTRUCK	" "					
6							
7							
8	<i>In way of De-watering Sump 1</i>						
9							
10							
11							
12							
13							
14							
15							
16							
17							
18							
19							
20							

Calculated By	Date	Checked By	Date	Total
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Ledger Entry Number	Entered By	Date	Entry Verified	Date
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Inspector's Signature <i>Mike Service</i>	Contractor's Representative Signature	Title
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5-21-2019

2/9

Photo ✓



...Building People Who Build Great Things

### Daily Report of Force Account Worked

Contract Number	Date 9-21-18	Item Number	Item Name
Prime Contractor		Subcontractor / Lower Tier Subcontractor	
Line / Station	Group	Basis of Material Acceptance	RAMS Number

Description of Work Performed  
 36" SE EX AND DWS #1 EX 6" REMOVAL AND CONFLICT SERVICES

#### Time Worked Record

	Workers and/or Equipment Working	Occupation of Workers or Equipment Size	Hours Worked		Reg. Rate	O.T. Rate	Amount
			Reg.	O.T.			
1	CRAIG SENNE	330 SUPER	3				
2	CHRIS BOLZEN	P. WAGER SUPER	3				
3	330		3				
4	950	STANDBY					
5	DUMP TRUCK	" "					
6							
7							
8							
9							
10							
11							
12							
13							
14							
15							
16							
17							
18							
19							
20							

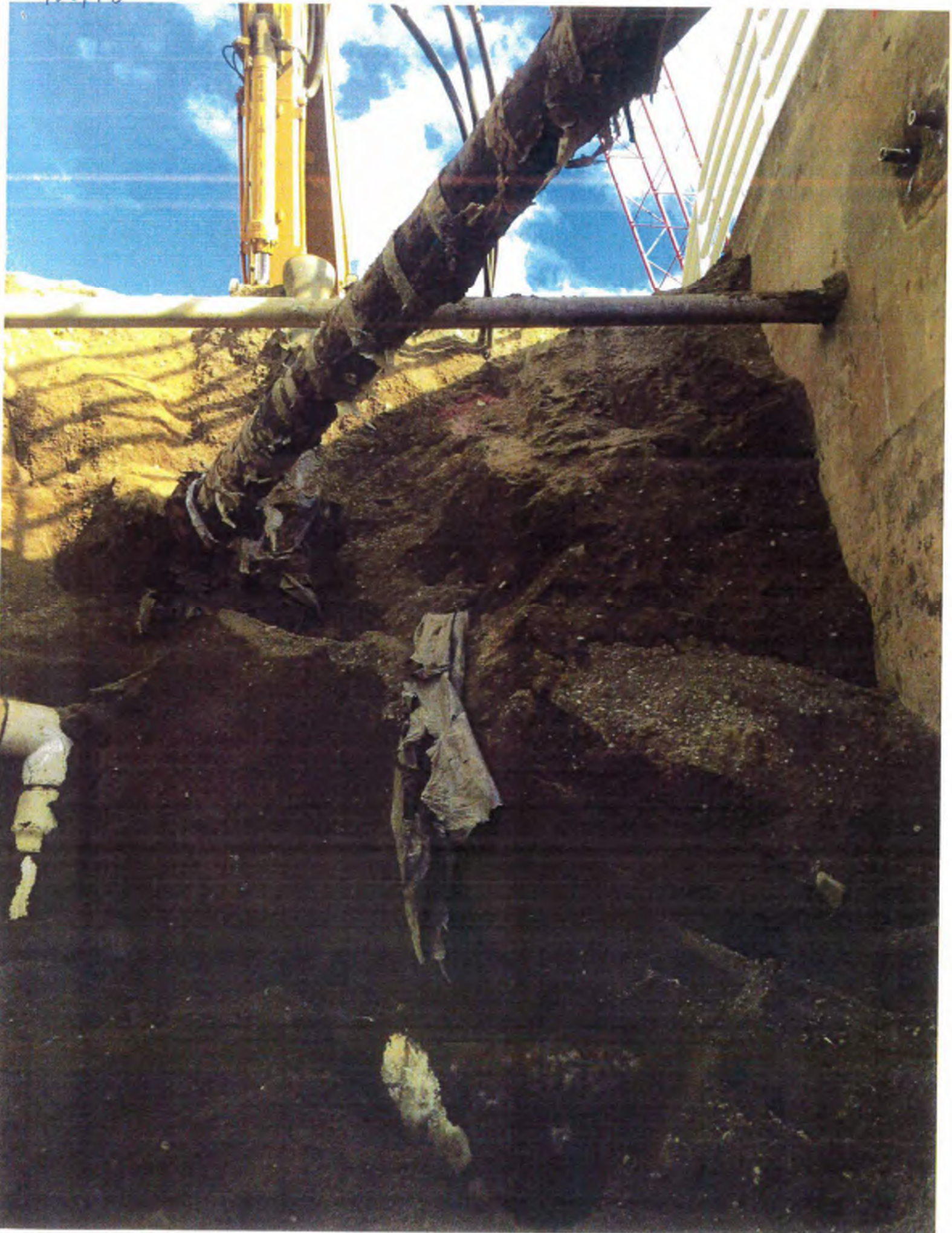
Calculated By	Date	Checked By	Date	Total
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Ledger Entry Number	Entered By	Date	Entry Verified	Date
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Inspector's Signature <i>Michael Smith</i>	Contractor's Representative Signature	Title
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11/20/10





3/9



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## Daily Report of Force Account Worked

Contract Number	Date 9-24-18	Item Number	Item Name
Prime Contractor		Subcontractor / Lower Tier Subcontractor	
Line / Station	Group	Basis of Material Acceptance	RAMS Number

Description of Work Performed  
36" SE EX AND DWS #1 REMOVAL AND WORK AROUND (3) EACH 6" PIPES AND 4" PIPE PLUG AND

		Time Worked Record		CAP AS NEEDED SEE P225			
	Workers and/or Equipment Working	Occupation of Workers or Equipment Size	Hours Worked		Reg. Rate	O.T. Rate	Amount
			Reg.	O.T.			
1	DAVE JENNE	330 SUPER	4.5				
2	CHRIS BOLTON	P. W. SUPER	4.5				
3	330		4.5				
4	950	STAND BY					
5	DUMP TRUCK	" "					
6							
7							
8	DUMP FEES	100M					
9	6" MTS PLUG AND BOLTS				\$124.96		MISC PIPE
10							
11							
12							
13							
14							
15							
16							
17							
18							
19							
20							
Calculated By		Date	Checked By		Date	Total	

Ledger Entry Number	Entered By	Date	Entry Verified	Date
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Inspector's Signature <i>ant/sha</i>	Contractor's Representative Signature	Title
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4/9

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## Daily Report of Force Account Worked

Contract Number	Date 9-25-18	Item Number	Item Name
Prime Contractor		Subcontractor / Lower Tier Subcontractor	
Line / Station	Group	Basis of Material Acceptance	RAMS Number
Description of Work Performed 36" SEAWALL EX(3) EACH 6" AND 11" DIA 4" THICK PIPES NOT SHOWN AND REMOVED, CONCRETE <sup>MAN</sup> HOLE			

## Time Worked Record DEMO AND REMOVE

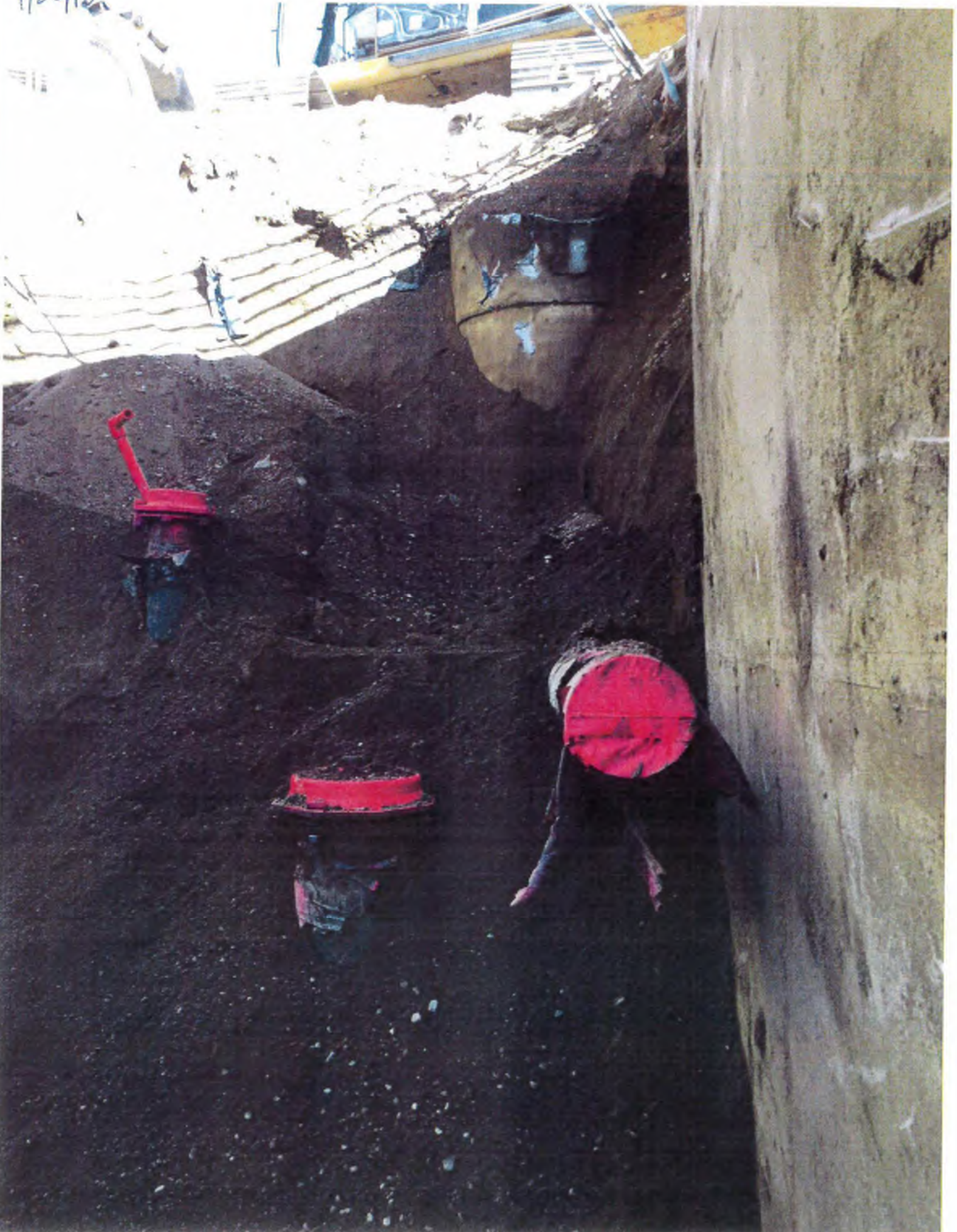
	Workers and/or Equipment Working	Occupation of Workers or Equipment Size	Hours Worked		Reg. Rate	O.T. Rate	Amount
			Reg.	O.T.			
1	RAIZU JENNE	330 / SUPER	4.5				
2	CHRIS BOLTON	PLAYER / SUPER	4.5				
3	330		4.5				
4							
5							
6							
7	PARTS	6" MIS CAP \$51.00					
8		10" MIS CAP \$79.00					
9	* - WORK AROUND 10" TANKS TO BE RELOCATED; 6" TO BE						
10	REWORKED TO ACCOMMODATE NEW 36" AND DWS1						
11							
12							
13							
14							
15							
16							
17							
18							
19							
20							
Calculated By		Date	Checked By		Date	Total	

Ledger Entry Number	Entered By	Date	Entry Verified	Date
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Inspector's Signature <i>[Signature]</i>	Contractor's Representative Signature	Title
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9/29/10





599



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### Daily Report of Force Account Worked

Contract Number	Date 9-27-18	Item Number	Item Name
Prime Contractor		Subcontractor / Lower Tier Subcontractor	
Line / Station	Group	Basis of Material Acceptance	RAMS Number
Description of Work Performed REMOVE EXISTING MH / IN DWST FOR PRINTS & PICS			

#### Time Worked Record

	Workers and/or Equipment Working	Occupation of Workers or Equipment Size	Hours Worked		Reg. Rate	O.T. Rate	Amount
			Reg.	O.T.			
1	CRAIG JENNE	330 / SUPER	3				
2	CHRIS BULTEN	PRIMER / SUPER	3				
3	330		3				
4	950	STAND BY					
5	DUMP TRUCK	" "					
6							
7							
8							
9							
10							
11							
12							
13							
14							
15							
16							
17							
18							
19							
20							

Calculated By	Date	Checked By	Date	Total
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Ledger Entry Number	Entered By	Date	Entry Verified	Date
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Inspector's Signature <i>[Signature]</i>	Contractor's Representative Signature	Title
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69



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# Daily Report of Force Account Worked

Contract Number	Date 10-1-18	Item Number	Item Name
Prime Contractor		Subcontractor / Lower Tier Subcontractor	
Line / Station	Group	Basis of Material Acceptance	RAMS Number

Description of Work Performed  
 CHIP AND BREAK CONCRETE OFF / AWAY FROM NOT SHOWN FZ PER 36" SE EX

### Time Worked Record

Line	Workers and/or Equipment Working	Occupation of Workers or Equipment Size	Hours Worked		Reg. Rate	O.T. Rate	Amount
			Reg.	O.T.			
1	CHRIS BOLLEN	SUPER	4.5				
2	AIR COMPRESSOR		4.5				
3	BREAKING GUN		4.5				
4							
5		ZOYD TO DATE					
6		OF DEMO					
7	CRAZIE JENNE	DUMP TRUCK	2				
8		DUMPFRES ZOYDS	✓				
9							
10							
11							
12							
13							
14							
15							
16							
17							
18							
19							
20							

Calculated By	Date	Checked By	Date	Total
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Ledger Entry Number	Entered By	Date	Entry Verified	Date
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Inspector's Signature <i>Mike Sornice</i>	Contractor's Representative Signature	Title
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10-9-18





7/9

Photo  in packet



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### Daily Report of Force Account Worked

Contract Number	Date 10-2-18	Item Number	Item Name
Prime Contractor		Subcontractor / Lower Tier Subcontractor	
Line / Station	Group	Basis of Material Acceptance	RAMS Number
Description of Work Performed EXPLORE DUCT BANKS AND REMOVE FROM 36" SEEX. FOOTPRINT SEE PICS			

#### Time Worked Record

	Workers and/or Equipment Working	Occupation of Workers or Equipment Size	Hours Worked		Reg. Rate	O.T. Rate	Amount
			Reg.	O.T.			
1	CRAZZ JENNE	330 / SUPER	5				
2	CHRIS BOLTEN	P. AYER / SUPER	5				
3	SCOTT MZUER	LABOR	5				
4	330		5				
5	AIR COMP.		5				
6	BREAKING GUN		5				
7	950 LOADER	STAND BY					
8	DUMP TRUCK	" "					
9							
10		8 YDS DEMO <input checked="" type="checkbox"/>					
11							
12							
13							
14							
15							
16							
17							
18							
19							
20							

Calculated By	Date	Checked By	Date	Total
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Ledger Entry Number	Entered By	Date	Entry Verified	Date
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Inspector's Signature <i>[Signature]</i>	Contractor's Representative Signature <i>[Signature]</i>	Title
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8/9

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# Daily Report of Force Account Worked

Contract Number	Date 10-3-18	Item Number	Item Name
Prime Contractor		Subcontractor / Lower Tier Subcontractor	
Line / Station	Group	Basis of Material Acceptance	RAMS Number
Description of Work Performed BREAK OUT DUCTBANK AROUND FIBER LINE NOT SHOWN FOR 36" SE			

Time Worked Record							SEEPS	
	Workers and/or Equipment Working	Occupation of Workers or Equipment Size	Hours Worked		Reg. Rate	O.T. Rate	Amount	
			Reg.	O.T.				
1	CHRIS BOLTON	PUMPER SUPER	3					
2	SLOTT MOLLER	LABOR	3					
3	CRAIG TENNE	330 / SUPER	3					
4	330		3					
5	950	STAND BY						
6	DUMP TRUCK	" "						
7								
8								
9								
10								
11								
12								
13								
14								
15								
16								
17								
18								
19								
20								

Calculated By	Date	Checked By	Date	Total
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Ledger Entry Number	Entered By	Date	Entry Verified	Date
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Inspector's Signature <i>[Signature]</i>	Contractor's Representative Signature <i>[Signature]</i>	Title
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9/9



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### Daily Report of Force Account Worked

Contract Number	Date 10-9-18	Item Number	Item Name
Prime Contractor		Subcontractor / Lower Tier Subcontractor	
Line / Station	Group	Basis of Material Acceptance	RAMS Number
Description of Work Performed DWS P1 EX, 4" TOSC #1 DAP NOT SHOWN AND REMOVE 6" IN FOOTPRINT SLEEPERS			

#### Time Worked Record

	Workers and/or Equipment Working	Occupation of Workers or Equipment Size	Hours Worked		Reg. Rate	O.T. Rate	Amount
			Reg.	O.T.			
1	CAZ TENNE	330 / SUPER	2				
2	CHRIS BOUTEN	P. LAYER / SUPER	2				
3	SCOTT MULLER	LABOR	2				
4	330		2				
5	950	STAND BY					
6	DUMP TRUCK	1					
7							
8							
9							
10							
11							
12							
13							
14							
15							
16							
17							
18							
19							
20							

Calculated By	Date	Checked By	Date	Total
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Ledger Entry Number	Entered By	Date	Entry Verified	Date
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Inspector's Signature <i>Mike Soucie</i>	Contractor's Representative Signature	Title
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10-1-18







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### Daily Report of Force Account Worked

Contract Number	Date 12-3-18	Item Number	Item Name
Prime Contractor		Subcontractor / Lower Tier Subcontractor	
Line / Station	Group	Basis of Material Acceptance	RAMS Number
Description of Work Performed ADDITIONAL 3 <sup>rd</sup> WORK AT SCB #2 AND SCB #3 AND SC1			

#### Time Worked Record

	Workers and/or Equipment Working	Occupation of Workers or Equipment Size	Hours Worked		Reg. Rate	O.T. Rate	Amount
			Reg.	O.T.			
1	CHRIS BOLTEN	SUPER P. LAYER	8				
2	CRAIG TENNE	SUPER 1330	4				
3	330		4				
4	312	STANDBY					
5	950	" "					
6	303	" "					
7	DUMP TRUCK	" "					
8							
9							
10							
11							
12							
13	80' 3" SCH 80 PIPE	VALVES					
14		TOWN					
15							
16							
17							
18							
19							
20							

MISC PIPE MATS

\$240

80' 3" SCH 80 PIPE VALVES

\$100

Not Complete  
Chris work last week  
More work remaining  
spray bar  
yank hydrovac.

City requested.

Calculated By	Date	Checked I
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Ledger Entry Number	Entered By	Date	Entry Verified	Date
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Inspector's Signature <i>Mike Sorensen</i>	Contractor's Representative Signature	Title
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5-21-2019





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## Daily Report of Force Account Worked

Contract Number	Date 12-4-18	Item Number	Item Name
Prime Contractor		Subcontractor / Lower Tier Subcontractor	
Line / Station	Group	Basis of Material Acceptance	RAMS Number
Description of Work Performed ADDITIONAL 3W AT SCB <sup>1B2</sup> AND SC <sup>1</sup> DOUBLE CONTAINMENT (SHVD) TO SEPS SEE PICS			

## Time Worked Record

	Workers and/or Equipment Working	Occupation of Workers or Equipment Size	Hours Worked		Reg. Rate	O.T. Rate	Amount
			Reg.	O.T.			
1	CHARS BOLTEN	SUPER / P. LAYER	7				
2	CRAZETTE	SUPER 1330	4				
3	330		4				
4	312	STAND BY					
5	950	" "					
6	303	" "					
7	DUMP TRUCK	" "					
8							
9							
10	CORE DRILL	WEEKLY RENT					
11							
12							
13	MATERIALS	3W HYDRANTS AND			\$100		
14		2" PIPE 100' ±			\$149		
15							
16							
17							
18							
19							
20							
Calculated By		Date	Checked By		Date	Total	

MISC FIRE MATS

\$100

\$149

Ledger Entry Number	Entered By	Date	Entry Verified	Date
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Inspector's Signature <i>John Scenic</i>	Contractor's Representative Signature	Title
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...Building People Who Build Great Things

## Daily Report of Force Account Worked

Contract Number	Date	Item Number	Item Name
	4.3.19		WCD # 29
Prime Contractor	Subcontractor / Lower Tier Subcontractor		
Apollo Inc.			
Line / Station	Group	Rate of Material Acceptance	RAMS Number
Description of Work Performed			
Install Yard Hydrants @ SC # 1+2			

Time Worked Record						
Workers and/or Equipment Working	Occupation of Workers or Equipment Size	Hours Worked		Reg. Rate	O.T. Rate	Amount
		Reg.	O.T.			
1 Al Pino	Labourer	20				
2 Antonio Deldena	Super	20				
3 *Rentals*						
4 4" core machine	* SUN belt *					
5 305 mini Ex	* CAT *					
6 938 Loader	* CAT *					
7 *materials*						
8 HD Fowler INVOICES						
9 (4) 1 1/2" stop + waste						
10 (1) 2" curb stop						
11 (2) 2" stop + waste						
12 (4) 1 1/2" <del>brides</del> SST ball <del>valve</del> valves						
13 (1) 2" Ball valve SST						
14 (6) valve cap assemblies						
15 (4) 1 1/2 hose adapters						
16 (1) 2" hose adaptor						
17 (1) link seal <del>pieces</del>						
18 (4) 1 1/2" x 6' galv nipple						
19 (4) 1 1/2" street elbows						
20 (1) 2" x 6" galv Nipple						1/2
Calculated By	Date	Checked By	Date	Total		

Ledger Entry Number	Entered By	Date	Entry Verified	Date
Inspector's Signature	Contractor's Representative Signature	Title		



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### Daily Report of Force Account Worked

Contract Number	Date	Item Number	Item Name
Prime Contractor		Subcontractor / Lower Tier Subcontractor	
Line / Station	Group	Basis of Material Acceptance	RAMS Number
Description of Work Performed			

#### Time Worked Record

Workers and/or Equipment Working	Occupation of Workers or Equipment Size	Hours Worked		Reg. Rate	O.T. Rate	Amount
		Reg.	O.T.			
Cont...						
(1) 2" galv street <del>elbow</del> elbow						
Harrington Plastres.						
Misc. SBC # 80 PVC						
1 1/2" pipe (20')						
1 1/2" couplers (4)						
1 1/2" slip x thread 90 (4)						
2" pipe (20')						
3" pipe (20')						
2" couplers (2)						
3" couplers (2)						
1 1/2" bushings (4)						
3x2 bushings (1)						
gallon glue						
gallon primer						

Misc. pipe mats \$200

Calculated By	Date	Checked By	Date	Total
				2/2
Logger Entry Number	Entered By	Date	Entry Verified	Date
Inspector's Signature		Contractor's Representative Signature		Title





**H.D. FOWLER  
COMPANY**

PO Box 84368 \* Seattle, WA \* 98124-5668  
425-746-8400

Invoice  
Number **15101556**

HAWH  
# 015290

Hayden Branch  
1841 W. Hayden Ave.  
Hayden, ID 83835  
(208) 772-9060 Fax (208) 772-9478

To:		Ship to: HD Fowler Company - Hayden	
APOLLO INC Attn: Accounts Payable PO Box 7305 KENNEWICK WA 993360617		Hayden	ID 83835
Terms: 10P+30		Due: 06/10/19	PO/JOB: STOP
FOB: H. D. FOWLER		Ship Via: WILL CALL	P162 TERTIARY TREATMENT PHAS
Order#	Inv Date:	Order Writer:	
06234721	04/03/19	William Caldwell	

Line	Qty Ship'd	Qty BO'd	UoM	Part # Description	Unit Price	Extended Price	T X
1	1	0	EA	76001 2" FIP X FIP BALL VALVE CURB STOP W/STOP AND WASTE NO LEAD AY	313.710	313.71	
2	4	0	EA	1" SCH 80 PVC MALE ADAPTER SXT	4.020	16.08	
3	4	0	EA	2" SCH 80 PVC MALE ADAPTER SXT	9.750	39.00	

Sub total	368.79
Freight	0.00
Tax	0.00
<b>Grand Total</b>	<b>368.79</b>

TONY D





**H.D. FOWLER  
COMPANY**

PO Box 84368 • Seattle, WA • 98124-5668  
425-746-8400

Invoice  
Number **15101557**

HAWH  
# 015290

Hayden Branch  
1841 W. Hayden Ave.  
Hayden, ID 83835  
(208) 772-9060 Fax (208) 772-9478

To:		Ship to:	
APOLLO INC Attn: Accounts Payable PO Box 7305 KENNEWICK WA 993360617		HD Fowler Company - Hayden Hayden ID 83835	
Terms: 10P=30	Due: 06/10/19	Order#	Inv Date:
FOB: H. D. FOWLER	Ship Via: WILL CALL	06234/37	04/03/19
		Order Writer:	William Caldwell
		PO/JOB: LINK SEAL	
		P162 TERTIARY TREATMENT PHAS	

Line	Qty Ship'd	Qty BO'd	UoM	Part # Description	Unit Price	Extended Price	T X
1	6	0	EA	LINK-SEAL LS-300-S EPDM & 316SS FASTENERS	6.970	41.82	

Sub total	41.82
Freight	0.00
Tax	0.00
<b>Grand Total</b>	<b>41.82</b>

TONY D

Serving the Pacific Northwest since 1911



**H.D. FOWLER  
COMPANY**

REMIT: PO Box 84368, Seattle, WA 98124

**Invoice  
Number 15022503**

HAWH  
# 015290

**Corporate Office**  
3633 136th Pl SE, Ste 100, Bellevue, WA 98006  
PO Box 160, Bellevue, WA 98009-0160  
Phone 425-654-8800 \* Fax 425-641-8885

**Hayden Branch**  
1841 W Hayden Ave  
Hayden, ID 83835  
(208) 772-9060 Fax (208) 772-9478

<b>To:</b> APOLLO INC Attn: Accounts Payable PO Box 7305 KENNEWICK WA 99336-0617	<b>Ship to:</b> HD Fowler Company - Hayden 1841 W Hayden Ave Hayden ID 83835	
	<b>Order#</b> O6134678	<b>Inv Date:</b> 11/26/18

<b>Terms:</b> 10P+30 <b>FOB:</b> H. D. FOWLER	<b>Due:</b> 01/10/19 <b>Ship Via:</b> WILL CALL	<b>PO/JOB:</b> P162 P162 TERTIARY TREATMENT PHASE
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Line	Qty Ship'd	Qty BO'd	UoM	Part # Description	Unit Price	Extended Price	T X
1	1	5	EA	1-1/2" X 72" SCH 40 GALVANIZED NIPPLE A53 ERW	49.24	49.24	
2	6		EA	1-1/2" SCH 40 GALVANIZED 90 STREET ELBOW DOMESTIC	13.87	83.22	
11	1		EA	INBOUND FRT / BILLABLE	- INC -		
6	7		EA	TYLER ENLARGED CURB BOX BASE 6500 SCREW TYPE DOMESTIC	17.99	125.93	
7	6		EA	1-1/2" MNST X MIPT BRASS HOSE ADAPTER	14.70	88.20	
8	1		EA	B11-777-NL 2" FIP X FIP BALL VALVE CURB STOP NO LEAD FORD	254.74	254.74	
9	1		EA	B11-444-NL 1" FIP X FIP BALL VALVE CURB STOP NO LEAD FORD	85.06	85.06	
10	2	4	EA	B11-666SW-NL 1-1/2" FIP X FIP BALL VALVE CURB STOP W/STOP AND WASTE NO LEAD FORD	216.56	433.12	
12	8		EA	TYLER 95E SCREW TYPE CURB BOX 41"-64" EXTENSION 30" TOP 39" BASE & WATER LID DOMESTIC	116.45	931.60	
						Sub total	2,051.11
						Freight	
						Tax	
						<b>Grand Total</b>	<b>2,051.11</b>

**\*\* New Remittance Address \*\***  
PO Box 84368, Seattle, WA 98124-5668

EFT Routing: 121000248  
EFT Bank No: 418 545 3362

tony



**H.D. FOWLER  
COMPANY**

PO Box 84368 \* Seattle, WA \* 98124-5668  
425-746-8400

Invoice  
Number **15117014**

HAWH  
# 015290

Hayden Branch  
1841 W. Hayden Ave.  
Hayden, ID 83835  
(208) 772-9060 Fax (208) 772-9478

To:		Ship to: HD Fowler Company - Hayden	
APOLLO INC Attn: Accounts Payable PO Box 7305 KENNEWICK WA 993360617		Hayden	ID 83835
Terms: 10P+30		Order#	Inv Date: Order Writer:
FOB: H. D. FOWLER		O6252776	04/19/19 Matt Mahan
Due: 06/10/19		PO/JOB: LIST	
Ship Via: WILL CALL		P162 TERTIARY TREATMENT PHAS	

Line	Qty Ship'd	Qty BO'd	UoM	Part # Description	Unit Price	Extended Price	T X
2	1	0	EA	8" MJ 11 1/4 ELL DI, AWWA C153, C/L LESS ACC (48 LBS)	97.470	97.47	
3	1	0	EA	8" MJ SLEEVE LONG PATTERN DI, AWWA C153 LESS ACCESSORIES (53 LBS)	136.450	136.45	
4	4	0	EA	8" WEDGE ACTION MJ RETAINER GLAND FOR IPS/C-900 PVC PIPE	52.990	211.96	
7	2	0	EA	2" SCH 40 GALVANIZED PLUG IMPORT	4.330	8.66	
8	1	0	EA	725 WET R DRY CEMENT QUART WELD ON	18.340	18.34	
9	1	0	EA	3" SCH 80 PVC COUPLING SYS	12.480	12.48	

Sub total 485.36  
Freight 0.00  
Tax 0.00  
Grand Total 485.36

TONY D

Spokane House of Hose, Inc.  
 5520 East Sprague Avenue  
 Spokane, WA 99212  
 Phone: (800) 541-6351  
 Fax: (800) 541-4673

**INVOICE**

Page	1
Invoice	736280
Date	4/16/19
Entered By	CT

110426  
 SOLD TO  
 APOLLO INC. - CASH  
 PO BOX 7305  
 KENNEWICK, WA 99336  
 509-586-1104

0002  
 SHIP TO  
 APOLLO INC. - CASH  
 W/C ONLY  
 SPOKANE VALLEY, WA 99212  
 509-987-1433

CUSTOMER PURCHASE ORDER NO.	SHIP VIA	TERMS
P162 / TONY	WILL CALL TAX	Cash/Credit Card Only
DATE SHIPPED	PICK TICKET NO.	
4/16/19	865493-000	

SPECIAL INSTRUCTIONS >

QTY. ORD	QTY. SHIP	QTY. BKO	U/M	ITEM NO./DESCRIPTION	PRICE	AMOUNT		
				W/C TODAY - 1:30 PM PAYMENT DUE 30 DAYS FROM INVOICE DATE				
				* No returns without prior authorization * All shortages and damages must be reported within 7 days * Check out <a href="http://www.spokanehose.com">www.spokanehose.com</a> *				
2.00	2.00	.00	EA	50-1553250NST	124.2600	248.52		
2.00	2.00	.00	EA	MILL ASSY 1 1/2" SJ 250# w/ NST ASH ASSEMBLY 2#210 50 FT SUN-FLOW BLUE DISCHARGE 300' STG25 2 EA DIXON KING NIP PLATED 2" JS308 4 EA BAND-IT JR GAL 2 1/4"-5/8 100	58.8800	117.76		
SUB-TOTAL				SHIPPING & HANDLING	TAX	SUB-TOTAL	DEPOSIT	BALANCE DUE
366.28				.00	32.60	398.88	398.88	.00

INVOICE  
 SEND ALL PAYMENTS TO:  
 SUNBELT RENTALS, INC.  
 PO BOX 409211  
 ATLANTA, GA 30384-9211



INVOICE NO.	77131636-0002
ACCOUNT NO.	305018
INVOICE DATE	3/22/18
PAGE 1 of 1	

## INVOICE TO

100-509-730  
 APOLLO INC  
 PO BOX 7305  
 1207 W COLUMBIA DR  
 KENNEWICK WA 98338-3450



## JOB ADDRESS

APOLLO INC  
 1080 HUBBARD AVE  
 COEUR D'ALENE, ID 83814

509-948-2803

RECEIVED BY	CONTRACT NO.
Marcus, Tony	77131636
PHONE/SAX ORDER NO.	
	P162
JOB NO.	
	162
BRANCH	
	POST FALLS ID PC124 573 N IDAHLINE RD POST FALLS, ID 83854 208-777-4585

QTY	EQUIPMENT #	Min	Day	Week	4 week	Amount
1	CORE DRILL RIG 3 SPEED 722156 Make: HILTI Model: DO200 Ser #: 91801 Billed from 3/19/18 thru 3/21/18	100.00	100.00	250.00	600.00	100.00
1	10" DIAMOND CORE BIT 956084 Make: HUSQVARNA Model: 542786575 Ser #: 542786575 OUT: 1.000 IN: 1.000	25.00	25.00	75.00	400.00	75.00
Rental Sub-total:						175.00
FINAL BILL: 3/19/18 09:00 AM THRU 3/21/18 05:00 PM.						

APOLLO, INC.

MAR 29 2018

RECEIVED

Equipment. Service. Guaranteed.

## REMIT TO:

SUNBELT RENTALS, INC.  
 PO BOX 409211  
 ATLANTA, GA 30384-9211

## NET DUE UPON RECEIPT

Invoices not paid within 30 days may be subject  
 to a 1.5% per month charge.

SUBTOTAL	175.00
SALES TAX	10.50
INVOICE TOTAL	185.50

RENTAL RETURN





Post Office Box 6227 • Spokane, Washington 99217-0904 • (509) 489-0900 • Fax (509) 489-0959

Apollo Inc.  
P.O. Box 7305  
Kennewick, WA. 99336

Date: 5/29/2018  
Invoice # 223296  
P.O. No. Extra Motor Vault

Location/Jobsite: W.W.T.P. C d'A, ID Terms: Due on receipt

Item	Description	Qty	Rate	Amount
MH	Hourly Rate Operator & Equipment	13	69.00	897.00
MM	Hourly Rate Labor	4.5	52.00	234.00
HSC	Hand Sawing Concrete	676	1.25	845.00
TRAVEL		1	60.00	60.00

**APOLLO, INC.**

JUN 06 2018

**RECEIVED**

Subtotal	\$2,036.00
Sales Tax (0.0%)	<u>0.00</u>
<b>Balance Due</b>	<b>\$2,036.00</b>



REMIT: PO Box 84368, Seattle, WA 98124

Invoice  
 Number **14922628**

HAWH  
 # 015290

**Corporate Office**  
 3633 136th Pl SE, Ste 100, Bellevue, WA 98006  
 PO Box 160, Bellevue, WA 98009-0160  
 Phone 425-654-8800 \* Fax 425-641-8885

**Hayden Branch**  
 1841 W Hayden Ave  
 Hayden, ID 83835  
 (208) 772-9060 Fax (208) 772-9478

<b>To:</b> APOLLO INC Attn: Accounts Payable PO Box 7305 KENNEWICK WA 99336-0617	<b>Ship to:</b> HD Fowler Company - Hayden 1841 W Hayden Ave Hayden ID 83835	
	<b>Order#</b> O6019221	<b>Inv Date:</b> 08/14/18

<b>Terms:</b> 10P+30 <b>FOB:</b> H. D. FOWLER	<b>Due:</b> 10/10/18 <b>Ship Via:</b> WILL CALL	<b>PO/JOB:</b> P162 P162 TERTIARY TREATMENT PHASE
--	--	--

Line	Qty Ship'd	Qty BO'd	UoM	Part # Description	Unit Price	Extended Price	T X
1	1		EA	3" MJ SLEEVE LONG PATTERN DI, AWWA C153 LESS ACCESS (22 LBS)	36.80	36.80	
2	1		EA	3" TUFGRIP MJ WEDGE RESTRAINT SERIES 2000 FOR PVC GLAND ONLY	25.00	25.00	
6	1		EA	3" WEDGE ACTION MJ RETAINER GLAND FOR DIP	21.75	21.75	
3	2		EA	3" GASKET AND T-BOLT KIT FOR C153 FITTINGS	10.67	21.34	
4	2		EA	3" MJ X IPS TRANSITION GASKET	2.90	5.80	
						Sub total	110.69
						Freight	
						Tax	
						<b>Grand Total</b>	<b>110.69</b>

\*\* New Remittance Address \*\*  
 PO Box 84368, Seattle, WA 98124-5668

EFT Routing: 121000248  
 EFT Bank No: 418 545 3362

TONY



PO Box 84368 \* Seattle, WA \* 98124-3668  
425-746-8400

Invoice  
Number **14856356**

HAWH  
# 015290

**Hayden Branch**

1841 W. Hayden Ave.  
Hayden, ID 83835  
(208) 772-9060 Fax (208) 772-9478

To:				Ship to: 915 HUBBARD AVE			
APOLLO INC Attn: Accounts Payable PO Box 7305 KENNEWICK WA 993360617				COEUR D'ALENE ID 83814			
Order# O5947960		Inv Date: 06/13/18		Order Writer: Joe Haller			
Terms: 10P+30		Due: 08/10/18		PO/JOB: P162			
FOB: DESTINATION		Ship Via: OUR TRUCK		P162 TERTIARY TREATMENT PHAS			
Line	Qty Ship'd	Qty BO'd	UoM	Part # Description	Unit Price	Extended Price	T X
3	2	6	EA	10" GASKET AND T-BOLT KIT FOR C153 MJ FITTINGS DOMESTIC	26.790	53.58	
4	4	3	EA	10" WEDGE ACTION MJ RETAINER GLAND FOR DIP	59.710	238.84	
6	1	0	EA	10" WEDGE ACTION MJ RETAINER GLAND FOR IPS/C-900 PVC PIPE	96.710	96.71	
8	18.25	0	FT	10" CL 50 DI PIPE TJ,C151/A 21.51,C104,C/L,18.25' NOM. LGTH,SBR GASKET (31.7 LBS/FT)	23.990	437.82	
10	1	0	EA	10" MJ X IPS TRANSITION GASKET	7.560	7.56	
11	1	0	EA	6" MJ X IPS TRANSITION GASKET	4.510	4.51	
12	7	0	EA	6" WEDGE ACTION MJ RETAINER GLAND FOR DIP	26.610	186.27	
13	8	0	EA	6" GASKET AND T-BOLT SET FOR C153 MJ FITTINGS DOMESTIC	19.120	152.96	
14	1	0	EA	6" WEDGE ACTION MJ RETAINER GLAND FOR IPS/C-900 PVC PIPE	34.400	34.40	
15	1	0	EA	6" MJ 90 ELL,DLAWWA C153,C/L,LESS ACCESS (48 LBS) DOMESTIC	121.390	121.39	
17	1	0	EA	6" FOSTER ADAPTER WMJ ACC KITS 6FA-BC DOMESTIC	92.960	92.96	
						Sub total	1,427.00
						Freight	0.00
						Tax	0.00
						Grand Total	1,427.00
Craig		Serving the Pacific Northwest since 1911					



CENTRAL PRE-MIX  
CONCRETE CO.

P.O. Box 3366  
Spokane, WA 99223-3366

Grout Unit Price \$13.73/bag

Customer No: 19884  
Invoice No: 2758805  
Inv Date: 02/08/19  
Page: Page 1 of 1  
Customer PO: P-162

Apollo Inc  
PO Box 7305  
JIM PARDJE  
Kennewick WA 99336

incap@apollo-co.com

Central Pre-Mix Concrete Co.  
P.O. Box 3366  
Spokane, WA 99223-3366  
509-534-6221

Delivered To: CDA

Ordered By: Craig

Date	Code - Material Description	QTY	UM	Unit Price	Haul QTY	Matl Total	Haul Total	Tax	Total
Plant: 07150 CPM-CDA Non-Manufactured									
	JOB # / PO #	IP-162							
02/03/19	593230 - NON SHRINK GROUT - 50#	4.00	EA	12.95	0.00	51.80	0.00	3.11	54.91
Total Invoice:		4.00				51.80	0.00	3.11	54.91

Ticket number(s) shipped from plant 07150 - CPM-CDA Non-Manufactured  
140258554

Invoice Taxing Authority Summary:

ID0000 Idaho State Tax 3.11

Central Pre-Mix is now open for aggregate at our Key Rock Facility located at 9404 S. Cheney Spokane Rd, Spokane, WA 99224

Finance Charges will be applied to any late invoices at a rate of 1.5% per month per credit agreement or the State's Lawful Amount

Invoice Amount: 54.91

Amount Paid: \_\_\_\_\_

Customer Name: Apollo Inc  
Customer No: 19884  
Invoice #: 2758805  
Date: 02/08/19  
Customer PO: P-162  
Due Date: 03/10/19

If you have any questions about your invoice please call 509-534-6221

Remit Payment To: Central Pre-Mix Concrete Co.  
PO Box 742421  
Los Angeles, CA 90074



**H.D. FOWLER  
COMPANY**

6/24/19 FA Sheet

REMIT: PO Box 84368, Seattle, WA 98124

Invoice  
Number **I5145220**

HAWH  
# 015290

**Corporate Office**

3633 136th Pl SE, Ste 100, Bellevue, WA 98006  
PO Box 160, Bellevue, WA 98009-0160  
Phone 425-654-8800 \* Fax 425-641-8885

**Hayden Branch**

1841 W Hayden Ave  
Hayden, ID 83835  
(208) 772-9060 Fax (208) 772-9478

<b>To:</b> APOLLO INC Attn: Accounts Payable PO Box 7305 KENNEWICK WA 99336-0617	<b>Ship to:</b> HD Fowler Company - Hayden 1841 W Hayden Ave Hayden ID 83835	
	<b>Order#</b> O6285812	<b>Inv Date:</b> 05/14/19

<b>Terms:</b> 10P+30 <b>FOB:</b> H. D. FOWLER	<b>Due:</b> 07/10/19 <b>Ship Via:</b> WILL CALL	<b>PO/JOB:</b> VB SET P162 TERTIARY TREATMENT PHASE
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Line	Qty Ship'd	Qty BO'd	UoM	Part # Description	Unit Price	Extended Price	T X
1	<del>1</del> 2		EA	12" PSM REPAIR COUPLING GASKETED FOR SEWER OR DRAIN	149.42	149.42 298.84	
						Sub total	149.42
						Freight	
						Tax	
						Grand Total	149.42

\*\* New Remittance Address \*\*

PO Box 84368, Seattle, WA 98124-5668

EFT Routing: 121000248

EFT Bank No: 418 545 3362

TONY M





# H.D. FOWLER COMPANY

REMIT: PO Box 84368, Seattle, WA 98124

Invoice Number **14876057**

PSDS # 015290

**Corporate Office**  
3633 136th Pl SE, Ste 100, Bellevue, WA 98006  
PO Box 160, Bellevue, WA 98009-0160  
Phone 425-654-8800 \* Fax 425-641-8885

**Pasco Branch**  
1336 Dietrich Rd  
Pasco, WA 99301  
(509) 545-0255 Fax (509) 545-0299

<b>To:</b> APOLLO INC Attn: Accounts Payable PO Box 7305 KENNEWICK WA 99336-0617	<b>Ship to:</b> 915 HUBBARD AVE COEUR D'ALENE ID 83814		
	<b>Order#</b> O5909895	<b>Inv Date:</b> 07/02/18	<b>Order Writer:</b> Matthew Mahan

<b>Terms:</b> 10P+30 <b>FOB:</b> JOBSITE	<b>Due:</b> 09/10/18 <b>Ship Via:</b> VENDOR'S CHOICE	<b>PO/JOB:</b> P162 P162 TERTIARY TREATMENT PHASE
---	--	--

Line	Qty Ship'd	Qty BO'd	UoM	Part # Description	Unit Price	Extended Price	T X
1	<del>1</del> 2		EA	4" X 15" CAST IRON CLEANOUT FRAME AND COVER, DOMESTIC, EJIW 3678	297.50	<del>297.50</del> 595.00	
						Sub total	297.50
						Freight	
						Tax	
						<b>Grand Total</b>	<b>297.50</b>

\*\* New Remittance Address \*\*  
 PO Box 84368, Seattle, WA 98124-5668

EFT Routing: 121000248  
 EFT Bank No: 418 545 3362

TOYN D



**INVOICE**  
 SEND ALL PAYMENTS TO:  
 SUNBELT RENTALS, INC.  
 PO BOX 409211  
 ATLANTA, GA 30384-9211

6/24/19 FA Sheet

INVOICE NO.	88175329-0004
ACCOUNT NO.	305018
INVOICE DATE	7/06/19
PAGE 1 of 1	

INVOICE TO

102-701-860  
 APOLLO INC  
 1207 W COLUMBIA DR  
 PO BOX 7305  
 KENNEWICK WA 99336-0617



JOB ADDRESS  
 APOLLO INC  
 1080 HUBBORD AVE  
 COEUR D'ALENE, ID 83814  
 509-948-2803

RECEIVED BY MARCOS, TONY	CONTRACT NO. 88175329
PURCHASE ORDER NO. P162	
JOB NO. 162	
BRANCH POST FALLS ID PC124 573 N IDAHLINE RD POST FALLS, ID 83854 208-777-4585	

QTY	EQUIPMENT #	Min	Day	week	4 week	Amount
1	JUMPING JACK TAMPER 135-165LB CLASS 1076885 Make: MQ Model: MTX70HD HR OUT: 22.500 HR IN:	61.00	61.00	190.00	455.00	455.00
TOTAL: 22.500						
Rental Sub-total:						455.00
SALES	ITEMS:					
Qty	Item number	Unit	Price			
1	ENVIRONMENTAL 2133 ENVIRONMENTAL	EA	7.280			7.28
BILLED FOR FOUR WEEKS 6/20/19 THRU 7/17/19.						



**APOLLO, INC.**  
 JUL 12 2019  
 RECEIVED

Sub \$61  
 Tax \$3.66  
 Total \$64.66

**Equipment. Service. Guaranteed.**

SUBTOTAL	462.28
SALES TAX	27.74
INVOICE TOTAL	490.02

REMIT TO:

SUNBELT RENTALS, INC.  
 PO BOX 409211  
 ATLANTA, GA 30384-9211

NET DUE UPON RECEIPT

Invoices not paid within 30 days may be subject to a 1-1/2% per month charge.

4 WEEK BILL



2215 E BROOKLYN AVE - SPOKANE, WA 99217

Phone # (509) 325-4573 Fax # (509) 325-5098

# Invoice

DATE	INVOICE #
6/13/2019	1086402

WWW.WILBERTPRECAST.COM

BILL TO
Apollo, Inc. PO BOX 7305 Kennewick, WA 99336 USA

DESCRIPTION/LOCATION
CDA WASTEWATER TREATMENT - Added 4x4 Vault @ \$2,820

P.O. NUMBER	TERMS	REP	SHIP DATE	TRUCK #	Ticket #
P-162	Net 30	JG		Brian 136	4404-5
ITEM CODE	QTY	DESCRIPTION		PRICE EACH	AMOUNT
1960-4x4 lgt USP QBZS 36 x 36	1	4' x 4' x 6'-6" Light Meter Vault 10650# Standard 36 x 36 Aluminum Recessed padlock box Removable I.D. Plate		1,695.00 880.00	1,695.00T 880.00T
9807-136	1	Large Truck Delivery Sales Tax-Idaho		245.00 6.00%	245.00 154.50
				<b>Total</b>	<b>\$2,974.50</b>

Finance Charges will accrue at 1.5% on accounts past due.



Invoice  
Number **14894801**

PSDS  
# 015290

Pasco Branch  
1336 Diorich Road  
Pasco, WA 99301  
(509) 545-0255 Fax (509) 545-0299

To:				Ship to: 915 HUBBARD AVE			
APOLLO INC Attn: Accounts Payable PO Box 7305 KENNEWICK WA 993360617				COEUR D'ALENE		ID	83814
Order#		Inv Date:		Order Writer:			
05986413		07/19/18		Matt Mahan			
Terms: 10P+30		Due: 09/10/18		PO/JOB: SSC PARTS			
FOB: JOBSITE		Ship Via: VENDOR'S CHOICE		P162 TERTIARY TREATMENT PHAS			
Line	Qty Ship'd	Qty BO'd	UoM	Part # Description	Unit Price	Extended Price	T X
1	1	0	EA	6" DI MJ WYE DOMESTIC GLS/WC	596.090	596.09	
2	1	0	EA	6" DI MJ 11.25 DEGREE BEND DOMESTIC GLS/WC	294.010	294.01	
						Sub total	890.10
						Freight	0.00
						Tax	0.00
						Grand Total	890.10
CRAIG		Serving the Pacific Northwest since 1911					




**H.D. FOWLER  
COMPANY**

 PO Box 84368 \* Seattle, WA \* 98126-5668  
425-746-8400

**Invoice  
Number 14891578**

 HAWH  
# 015290

**Hayden Branch**

 1841 W. Hayden Ave.  
Hayden, ID 83835  
(208) 772-9060 Fax (208) 772-9478

To:				Ship to: HD Fowler Company - Hayden			
APOLLO INC Attn: Accounts Payable PO Box 7305 KENNEWICK WA 993360617				Hayden		ID 83835	
Terms: 10P+30		Due: 09/10/18		PO#JOB: 6" SSC CHANGES			
FOB: H. D. FOWLER		Ship Via: WILL CALL		P162 TERTIARY TREATMENT PHAS			
Order#		Inv Date:		Order Writer:			
05972597		07/17/18		Joe Haller			
Line	Qty Ship'd	Qty BO'd	UoM	Part # Description	Unit Price	Extended Price	T X
2	1	0	EA	6" MJ CAP DI.SSB.AWWA C153,LESS ACCESS (17 LBS) DOMESTIC	48.560	48.56	
Sub total						48.56	
Freight						0.00	
Tax						0.00	
Grand Total						48.56	
Craig		Serving the Pacific Northwest since 1911					




**H.D. FOWLER  
COMPANY**

 PO Box 84388 \* Seattle, WA \* 98128-5668  
425-746-8400

**Invoice  
Number 14880258**

 PSWH  
# 015290

**Pasco Branch**

 1336 Dietrich Road  
Pasco, WA 99301  
(509) 545-0255 Fax (509) 545-0299

To:		Ship to:		915 HUBBARD AVE			
APOLLO INC Attn: Accounts Payable PO Box 7305 KENNEWICK WA 993360617		COEUR D'ALENE		ID	83814		
		Order#	Inv Date:	Order Writer:			
		O5974520	07/06/18	Matt Mahan			
Terms: 10P+30		Due: 08/10/18		PO/JOB: SSC PARTS REPLACE.			
FOB: JOBSITE		Ship Via: OUR TRUCK		P162 TERTIARY TREATMENT PHAS			
Line	Qty Ship'd	Qty BO'd	UoM	Part # Description	Unit Price	Extended Price	T X
3	1	0	EA	6" MJ 45 ELL DI,AWWA C153,C/L,LESS ACCESS (40 LBS) DOMESTIC	100.460	100.46	
4	18.25	0	FT	6" CL 52 DI PIPE T/J C151/A21.51 C104 C/L 18.25" NOM. LGTH,SBR GASKET (20.6 LBS/FT) ***\ LABEL - DO NOT FORK, LABEL - DO NOT FORK, LABEL - DO NOT FORK, LABEL - DO NOT FORK, LABEL - DO NOT FORK J**	15.470	282.33	
5	1	0	EA	OUTBOUND FREIGHT CHARGE OUTBOUND FREIGHT CHARGE - LTL TRUCK FOR 6" X 18.25" STICK OF DUCTILE PIPE AND 1.45 DEGREE	200.000	200.00	
6	2	0	EA	6" COMPACT BODY MJ ACCESSORIES KIT DOMESTIC COMPLETE WITH GLAND, GASKET AND (6) 3/4" X 3.5" T-BOLTS	24.280	48.56	
						Sub total	631.35
						Freight	0.00
						Tax	0.00
						Grand Total	631.35
CRAIG		Serving the Pacific Northwest since 1911					


**H.D. FOWLER  
COMPANY**

 PO Box 84368 \* Seattle, WA \* 98124-3668  
 425-766-8400

**Invoice  
Number 14919794**

 PSDS  
 # 015290

**Pasco Branch**  
 1336 Dietrich Road  
 Pasco, WA 99031  
 (509) 545-0255 Fax (509) 545-0299

To:					Ship to: 915 HUBBARD AVE				
APOLLO INC Attn: Accounts Payable PO Box 7305 KENNEWICK WA 993360617					COEUR D'ALENE ID 83814				
					Order#	Inv Date:	Order Writer:		
Terms: 10P+30					Due: 10/10/18				
FCB: JOBSITE					Ship Via: VENDOR'S CHOICE				
					POJOB: SSC PARTS				
					P162 TERTIARY TREATMENT PHAS				
Line	Qty Ship'd	Qty BO'd	UoM	Part # Description	Unit Price	Extended Price	T X		
1	5	0	EA	6" MJ WYE DOMSTIC GLS/AC	568.880	2844.40			
2	2	2	EA	6" MJ 45 DOMESTIC GLS/AC	261.100	522.20			
3	1	0	EA	6" MJ 22 DOMESTIC GLS/AC	205.280	205.28			
4	54	0	EA	6" X 18" CL53 DUCTILE IRON PIPE GLS/AC	60.850	3285.90			
						Sub total	6,857.78		
						Freight	0.00		
						Tax	0.00		
						Grand Total	6,857.78		
TONY D					Serving the Pacific Northwest since 1911				

**INVOICE**  
SEND ALL PAYMENTS TO:SUNBELT RENTALS, INC.  
PO BOX 409211  
ATLANTA, GA 30384-9211

7/5/18 FA Sheet

INVOICE NO. 70537689-0001

ACCOUNT NO. 305018

INVOICE DATE 7/13/17

PAGE 1 of 1

## INVOICE TO

1st-567-636  
APOLLO INC  
PO BOX 7305  
1207 W COLUMBIA DR  
KENNEWICK WA 98336-3459

## JOB ADDRESS

APOLLO INC  
SUNBELT  
573 N IDAHLINE RD  
POST FALLS, ID 83854 7306  
509-948-2803

## RECEIVED BY

Tony, Tony

## CONTRACT NO.

70537689

## PURCHASE ORDER NO.

P162

## EXTENT

P162

## BRANCH

POST FALLS ID PC124  
573 N IDAHLINE RD  
POST FALLS, ID 83854  
208-777-4585

QTY	EQUIPMENT #	Min	Day	week	4 week	Amount
1	CORE DRILL RIG 3 SPEED 722156 Make: HILTI Model: 00200 Ser #: 91801 Billed from 7/07/17 thru 7/12/17	165.00	165.00	450.00	900.00	450.00
1	10" DIAMOND CORE BIT 956084 Make: HUSQVARNA Model: 542786575 Ser #: 542786575 OUT: 1.000 IN: 1.000	115.00	115.00	300.00	700.00	300.00
Rental Sub-total:						750.00
FINAL BILL: 7/07/17 02:00 PM THRU 7/12/17 01:58 PM.						WEAR CHG: 6.00

Equipment. Service. Guaranteed.

## REMIT TO:

SUNBELT RENTALS, INC.  
PO BOX 409211  
ATLANTA, GA 30384-9211

## NET DUE UPON RECEIPT

Invoices not paid within 30 days may be subject  
to a 1.5% per month charge.

SUBTOTAL 750.00

SALES TAX 45.00

INVOICE TOTAL 795.00

RENTAL RETURN



## ORIGINAL INVOICE



INVOICE NUMBER: 4611598584  
 INVOICE DATE: 05/16/2018  
 CUSTOMER P.O. NUMBER:  
 P102  
 CUSTOMER ACCT: 10816281

DUNS: 06-117-3525  
 FEDERAL ID: 06-0732334

APOLLO INC  
 PO BOX 7385  
 KENNEWICK WA 99336-0817

## Delivery Address:

APOLLO INC  
 765 W HUBBARD AVE  
 COEUR D ALENE ID 83814-2232  
 ATTN: KEVIN BURKE  
 509-586-1104

HLTI SALES REP: BRANDON RUTHERFORD, TUS0710 ORDER NUMBER: 519002801  
 PAYMENT TERMS: 30 DAYS NET LOCATION ID: 24170184  
 INVOICE DUE DATE: 06/15/2018  
 SHIPMENT NUMBER APPEARS ON PACKING SUP(S). USE TO MATCH ALL DOCUMENTS AND CONFIRM RECEIPT.

Material Number	Material Description	Quantity Invoiced	Quantity Shipped	Sell Price	Amount Due	
20035	SHIPMENT NUMBER: 31404959 HAMMER DRILL BIT T6-TX 1-1/2" X 13"	1 EA	1 EA	204.05	204.05	A
Taxes: State: 0 0.00% 2 12.25 County: 000% 3 0.00 City: 0.00% 5 0.00						
A - Taxable B - Non-Taxable C - 1/2 Retailer Shipment D - Non-Domestic Source E - Non-Domestic Source NAFTA Inception						
SUB TOTAL		TOTAL TAX		TOTAL AMOUNT (USD)		
\$204.05		\$12.25		\$216.30		

CUSTOMER ACCOUNT	INVOICE	INVOICE DATE	PREPAYMENT	AMOUNT DUE (USD)	PAYMENT ENCLOSED
10816281	4611598584	05/16/2018		\$216.30	

BILL TO: APOLLO INC  
 PO BOX 7385  
 KENNEWICK WA 99336-0817

Delivery Address: APOLLO INC  
 765 W HUBBARD AVE  
 COEUR D ALENE ID 83814-2232  
 ATTN: KEVIN BURKE  
 509-586-1104

Please make checks payable to Hilti and remit in USD.  
 A fee of \$ 20.00 is assessed for return checks.  
 Material returns after 90 days are subject to a \$ 125 restocking fee. Checks are returnable within 30 days by the user only. Standard Hilti terms and conditions apply. Visit www.us.hilti.com/terms for full terms.

REMIT TO

HLTI INC.  
 PO BOX 11870  
 NEWARK NJ 07101-8800




4 10816281 4611598584 05162018 0000021430

SEND ALL PAYMENTS TO:  
 SUNBELT RENTALS, INC.  
 PO BOX 409211  
 ATLANTA, GA 30384-9211



INVOICE NO. 80730932-0001  
 ACCOUNT NO. 305018  
 SERVICE DATE 7/25/18  
 PAGE 1 of 1

## INVOICE TO

764-473-800  
 APOLLO INC  
 PO BOX 7306  
 1207 W COLUMBIA DR  
 KENNEWICK WA 98338-3459

## JOB ADDRESS

APOLLO INC  
 1080 HUBBARD AVE  
 COEUR D'ALENE, ID 83814  
 509-948-2803

## RENTAL TO

Marcus, Tony

## CONTRACT NO.

80730932

## PROJECT / WORK ORDER NO.

P162

## JOB NO.

162

## ADDRESS

POST FALLS ID PC124  
 573 N IOWA LINE RD  
 POST FALLS, ID 83854  
 208-777-4585

QTY	EQUIPMENT #	Min	Day	week	4 week	Amount
1	90CFM 125PSI DIESEL AIR COMPRESSOR 765777 Make: ATLAS COPCO Model: XAS90KDPE Ser #: H0P026057 HR OUT: 368.300 HR IN: 376.800 TOTAL: 8.500 Billed from 7/19/18 thru 7/24/18	115.00	115.00	375.00	630.00	375.00
1	15 LB AIR HAMMER 812502 Make: APT Model: M264 Ser #: 40008436	60.00	60.00	180.00	345.00	180.00
1	15 LB AIR HAMMER 941818 Make: APT Model: M654 Ser #: 1608127	60.00	60.00	180.00	345.00	N/C
2	3/4" X 50' AIR COMPRESSOR HOSE	15.00	15.00	50.00	80.00	50.00
Rental Sub-total:						605.00

## SALES ITEMS:

Qty	Item number	Unit	Price	Amount
1	DLPKSRCHG TRANSPORTATION SURCHARGE	EA	13.000	13.00
1	ENVIRONMENTAL ENVIRONMENTAL	EA	11.570	11.57
8	DIESEL 2141XXXX00 DIESEL	EA	7.100	56.80

FINAL BILL: 7/19/18 08:00 AM THRU 7/24/18 09:32 AM.

APOLLO MECHANICAL  
 AUG 02 2018  
 RECEIVED

Equipment. Service. Guaranteed.

## REMIT TO:

SUNBELT RENTALS, INC.  
 PO BOX 409211  
 ATLANTA, GA 30384-9211

## NET DUE UPON RECEIPT

Invoices not paid within 30 days may be subject  
 to a 1-1/2% per month charge.

SUBTOTAL

686.37

SALES TAX

41.18

INVOICE TOTAL

727.55

RENTAL RETURN



INVOICE  
 SEND ALL PAYMENTS TO:  
 SUNBELT RENTALS, INC.  
 PO BOX 409211  
 ATLANTA, GA 30384-9211

**SUNBELT**  
 RENTALS

APOLLO, INC.

AUG 16 2018

RECEIVED

INVOICE NO.	81158012-0001
ACCOUNT NO.	305018
INVOICE DATE	8/08/18
PAGE	1 of 1

## INVOICE TO

Int-960-829  
 APOLLO INC  
 PO BOX 7305  
 1207 W COLUMBIA DR  
 KENNEWICK WA 98336-3459



## JOB ADDRESS

APOLLO INC  
 1080 HUBBORD AVE  
 COEUR D'ALENE, ID 83814  
 509-948-2803

RECEIVED BY Marcus, Tony	CONTRACT NO. 81158012
PURCHASE ORDER NO. P162	
JOB NO. 162	
BRANCH POST FALLS ID PC124 573 N IDAHLING RD POST FALLS, ID 83854 208-777-4585	

QTY	EQUIPMENT #	Min	Day	week	4 week	Amount
1	90CFM 125PSI DIESEL AIR COMPRESSOR 765777 Make: ATLAS COPC Model: XAS90KDPE Ser #: HOP026057 HR OUT: 376.800 HR IN: 389.500 TOTAL: 12.700 Billed from 8/01/18 thru 8/08/18	120.00	165.00	575.00	1085.00	575.00
2	3/4" X 50' AIR COMPRESSOR HOSE					N/C
Rental Sub-total:						575.00
SALES	ITEMS:					
Qty	Item number	Unit	Price			
1	ENVIRONMENTAL ENVIRONMENTAL	EA	14.370			14.37
2	DIESEL 2141XXX000 DIESEL	EA	7.100			14.20
FINAL BILL: 8/01/18 03:30 PM THRU 8/08/18 01:00 PM.						

Equipment. Service. Guaranteed.

## REMIT TO:

SUNBELT RENTALS, INC.  
 PO BOX 409211  
 ATLANTA, GA 30384-9211

## NET DUE UPON RECEIPT

Invoices not paid within 30 days may be subject  
 to a 1-1/2% per month charge.

SUBTOTAL	603.57
SALES TAX	36.21
INVOICE TOTAL	639.78

RENTAL RETURN



**H.D. FOWLER  
COMPANY**

REMIT: PO Box 84368, Seattle, WA 98124

**Invoice  
Number 14931526**

HAWH  
# 015290

**Corporate Office**

3633 136th Pl SE, Ste 100, Bellevue, WA 98006  
PO Box 160, Bellevue, WA 98009-0160  
Phone 425-654-8800 \* Fax 425-641-8885

**Hayden Branch**

1841 W Hayden Ave  
Hayden, ID 83835  
(208) 772-9060 Fax (208) 772-9478

<b>To:</b> APOLLO INC Attn: Accounts Payable PO Box 7305 KENNEWICK WA 99336-0617	<b>Ship to:</b> HD Fowler Company - Hayden 1841 W Hayden Ave Hayden ID 83835	
	<b>Order#</b> O6036573	<b>Inv Date:</b> 08/21/18

<b>Terms:</b> 10P+30 <b>FOB:</b> H. D. FOWLER	<b>Due:</b> 10/10/18 <b>Ship Via:</b> WILL CALL	<b>PO/JOB:</b> P162 P162 TERTIARY TREATMENT PHASE
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Line	Qty Ship'd	Qty BO'd	UoM	Part # Description	Unit Price	Extended Price	T X
1	1		EA	4" MJ 90 ELL,DI,AWWA C153,C/L,LESS ACCESS (26 LBS) DOMESTIC	77.02	77.02	
2	1		EA	4" MJ TEE DI,AWWA C153,C/L,LESS ACCESS (35 LBS) DOMESTIC	102.98	102.98	
3	4		EA	4" FIELD LOCK TYTON JOINT GASKET SB RUBBER IMPORT ANSI/AWWA C111/A21.11	55.71	222.84	
						Sub total	402.84
						Freight	
						Tax	
						<b>Grand Total</b>	<b>402.84</b>

\*\* New Remittance Address \*\*

PO Box 84368, Seattle, WA 98124-5668

EFT Routing: 121000248

EFT Bank No: 418 545 3362

CRAIG


**H.D. FOWLER  
COMPANY**

REMIT: PO Box 84368, Seattle, WA 98124

**Corporate Offices**
 13440 SE 30th St., Bellevue, WA 98005  
 PO Box 160, Bellevue, WA 98009-0160  
 Phone 425-746-8400 • Fax 425-641-8885

Page 1 of 1

 Invoice  
 Number **I4931558**
**Spokane Branch**
 6625 E Sharp Ave  
 Spokane, WA 99212  
 (509) 568-8400 Fax (509) 568-8405

APOLLO INC Attn: Accounts Payable PO Box 7305 KENNEWICK WA 99336-0617		<b>Ship to:</b> 915 HUBBARD AVE COEUR D'ALENE ID 83814														
<b>Order#</b> O6036579		<b>Inv Date:</b> 08/22/18	<b>Order Writer:</b> Josh Shore													
10P+30 H. D. FOWLER COMPANY	<b>Due:</b> 10/10/18 <b>Ship Via:</b> SALESPERSON	<b>PO/JOB:</b> P-162 P162 TERTIARY TREATMENT PHASE														
<table border="1"> <thead> <tr> <th>Qty Ship'd</th> <th>Qty BO'd</th> <th>Part # UoM Description</th> <th>Unit Price</th> <th>Extended Price</th> <th>T X</th> </tr> </thead> <tbody> <tr> <td>15</td> <td></td> <td>EA 4" WEDGE ACTION MJ RETAINER GLAND FOR DIP</td> <td>22.39</td> <td>335.85</td> <td></td> </tr> </tbody> </table>	Qty Ship'd	Qty BO'd	Part # UoM Description	Unit Price	Extended Price	T X	15		EA 4" WEDGE ACTION MJ RETAINER GLAND FOR DIP	22.39	335.85				Sub total Freight Tax <b>Grand Total</b>	335.85    <b>335.85</b>
Qty Ship'd	Qty BO'd	Part # UoM Description	Unit Price	Extended Price	T X											
15		EA 4" WEDGE ACTION MJ RETAINER GLAND FOR DIP	22.39	335.85												
CRAIG		Serving the Pacific Northwest since 1911 <a href="http://www.hdfowler.com">www.hdfowler.com</a>														



**H.D. FOWLER  
COMPANY**

PO Box 84368 \* Seattle, WA \* 98124-5668  
425-746-8400

**Invoice  
Number 15010045**

HAWH  
# 015290

Hayden Branch  
1841 W. Hayden Ave.  
Hayden, ID 83835  
(208) 772-9060 Fax (208) 772-9478

To:		Ship to: HD Fowler Company - Hayden	
APOLLO INC Attn: Accounts Payable PO Box 7305 KENNEWICK WA 993360617		Hayden	ID 83835
Order#	Inv Date:	Order Writer:	
O6128069	11/07/18	Joe Haller	
Terms: 10P+30	Due: 01/10/19	PO/JOB: P162	
FOB: H. D. FOWLER	Ship Via: WILL CALL	P162 TERTIARY TREATMENT PHAS	

Line	Qty Ship'd	Qty BO'd	UoM	Part # Description	Unit Price	Extended Price	T X
1	2	0	EA	6" WEDGE ACTION MJ RETAINER GLAND FOR DIP	26.610	53.22	
3	2	0	EA	6" GASKET AND T-BOLT SET FOR C153 MJ	19.120	38.24	

FITTINGS DOMESTIC

Sub total	91.46
Freight	0.00
Tax	0.00
<b>Grand Total</b>	<b>91.46</b>

Craig

Serving the Pacific Northwest since 1911



**H.D. FOWLER  
COMPANY**

PO Box 84368 \* Seattle, WA \* 98124-5668  
425-746-8400

Pasco Branch

1336 Dietrich Road  
Pasco, WA 99301  
(509) 545-0255 Fax (509) 545-0299

Invoice  
Number **15010419**

PSDS  
# 015290

To:		Ship to: 915 HUBBARD AVE	
APOLLO INC Attn: Accounts Payable PO Box 7305 KENNEWICK WA 993360617		COEUR D'ALENE	ID 83814
Terms: 10P+30	Due: 01/10/19	Order# O6040192	Inv Date: 11/08/18
FOB: JOBSITE	Ship Via: VENDOR'S CHOICE	Order Writer: Matt Mahan	PO/JOB: GLASS P162 TERTIARY TREATMENT PHAS

Line	Qty Ship'd	Qty BO'd	UoM	Part # Description	Unit Price	Extended Price	T X
1	1	0	EA	6" MJ 11 DEGREE DOMESTIC BEND WITH GLS/AC	249.520	249.52	
2	2	0	EA	6" MJ 22 DEGREE DOMESTIC BEND WITH GLS/AC	254.060	508.12	

Sub total	757.64
Freight	0.00
Tax	0.00
<b>Grand Total</b>	<b>757.64</b>

tony d

Serving the Pacific Northwest since 1911





REMIT: PO Box 84368, Seattle, WA 98124

Invoice Number 14613444

SPDS # 015290

Corporate Office 3633 136th Pl SE, Ste 100, Bellevue, WA 98006 PO Box 160, Bellevue, WA 98009-0160 Phone 425-654-8800 \* Fax 425-641-8885

Spokane Branch 6625 E Sharp Ave Spokane, WA 99212 (509) 568-8400 Fax (509) 568-8405

<b>To:</b> APOLLO INC Attn: Accounts Payable PO Box 7305 KENNEWICK WA 99336-0617	<b>Ship to:</b> 915 HUBBARD AVE COEUR D'ALENE ID 83814		
	<b>Order#</b> O5557287	<b>Inv Date:</b> 08/28/17	<b>Order Writer:</b> Wayne Stoken

<b>Terms:</b> 10P+30 <b>FOB:</b> DESTINATION	<b>Due:</b> 10/10/17 <b>Ship Via:</b> FACTORY TRUCK	<b>PO/JOB:</b> P162 P162 TERTIARY TREATMENT PHASE
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Line	Qty Ship'd	Qty BO'd	UoM	Part # Description	Unit Price	Extended Price	T X
38	1		EA	8" MJ SLEEVE, GL, ASPHALTIC COATED DOMESTIC	194.46	194.46	Y
35	3		EA	8" MJ 45 ELBOW, GL, ASPHALTIC COATED DOMESTIC	199.14	597.42	Y
34	1		EA	REPAIR KIT FOR FIELD CUTS ON GLASS LINED DI PIPE	142.05	142.05	Y
33	146	16	FT	8" PC 350 TJ DI PIPE, GLASS LINED, 18' NOMINAL (FULL STICKS)	62.50	9,125.00	Y
32	1		EA	8" X 5'-0" PE X PE DI SPOOL GL ASPHALTIC COATED WITH SEEP RING 6" F.O.E. DOMESTIC (TAG SPOOL 8" TSC)	217.88	217.88	Y
30	1		EA	4" X 5'-0" FL X PE DI SPOOL GL, ASPHALTIC COATING DOMESTIC (TAG SPOOL 4" SSC) (OMNI SLEEVE SPOOL)	206.59	206.59	Y
29	1		EA	4" MJ 22 1/2 ELBOW, GL, ASPHALTIC COATED DOMESTIC	86.69	86.69	Y
28	2		EA	4" MJ SLEEVE, GL, ASPHALTIC COATED DOMESTIC	99.57	199.14	Y
27	36		FT	4" PC 350 TJ DI PIPE, GLASS LINED, 18' NOMINAL (FULL STICKS)	36.36	1,308.96	Y
24	1		EA	6" X 5'-0" F X P DI SPOOL GL, ASPHALTIC COATED DOMESTIC (TAG SPOOL 6" SSC)	259.76	259.76	Y
23	2		EA	6" X 3'-0" PE X PE DI WALL SPOOL WITH FLOATING SEEP RING 6" F.O.E. GL LINED ASPHALTIC COATED DOMESTIC (TAG SPOOL 6" SCC)	207.53	415.06	Y
22	4		EA	6" MJ SLEEVE, GL, A/C COATED DOMESTIC	148.77	595.08	Y
21	1		EA	REPAIR KIT FOR FIELD CUTS ON GLASS LINED DI PIPE	142.05	142.05	Y
20	4		EA	6" MJ 45 ELBOW, GL, A/C COATED DOMESTIC	140.57	562.28	Y
19	102	6	FT	6" PC 350 TJ DI PIPE, GLASS LINED, 18' NOMINAL	50.00	5,100.00	Y



REMIT: PO Box 84368, Seattle, WA 98124

**Invoice Number** **14613444**

SPDS  
# 015290

**Corporate Office**  
3633 136th Pl SE, Ste 100, Bellevue, WA 98006  
PO Box 160, Bellevue, WA 98009-0160  
Phone 425-654-8800 \* Fax 425-641-8885

**Spokane Branch**  
6625 E Sharp Ave  
Spokane, WA 99212  
(509) 568-8400 Fax (509) 568-8405

<b>To:</b> APOLLO INC Attn: Accounts Payable PO Box 7305 KENNEWICK WA 99336-0617	<b>Ship to:</b> 915 HUBBARD AVE COEUR D'ALENE ID 83814		
	<b>Order#</b> O5557287	<b>Inv Date:</b> 08/28/17	<b>Order Writer:</b> Wayne Stoken

<b>Terms:</b> 10P+30 <b>FOB:</b> DESTINATION	<b>Due:</b> 10/10/17 <b>Ship Via:</b> FACTORY TRUCK	<b>PO/JOB:</b> P162 P162 TERTIARY TREATMENT PHASE
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Line	Qty Ship'd	Qty BO'd	UoM	Part # Description	Unit Price	Extended Price	T X
18	3		EA	3" DI BLIND FLANGE, GL, L69 PRIMED, DOMESTIC (FOR BLIND FLANGE OFF EXISTING LINES SHEET 200D101)	43.34	130.02	Y
16	2		EA	3" MJ SLEEVE, GL, ASPHALTIC COATED DOMESTIC	86.69	173.38	Y
15	1		EA	3" FLANGED DI 90 ELBOW, GL,L69 PRIMED, DOMESTIC (FROM VERTICAL SPOOL TO HORIZONTAL INSIDE PUMP BASIN)	135.89	135.89	Y
14	<del>1</del> →		EA	6" MJ PLUG, GL, ASPHALTIC COATED DOMESTIC	101.91	101.91	Y
13	1		EA	6" MJ WYE, GL, ASPHALTIC COATED DOMESTIC	325.66	325.66	Y
12	3		EA	6" MJ 45 ELBOW, GL,ASHPALTIC COATED DOMESTIC	140.57	421.71	Y
11	2		EA	6" X 17'-6" PE X PE DI SPOOL GL, ASPHALTIC COATED (USE TO CUT SPOOLING BETWEEN MJ FITTINGS)	536.00	1,072.00	Y
10	1		EA	6" X 2'-3" FL X PE DI SPOOL, GL, PRIMED L69, AIS (TAG SPOOL PSC)	184.47	184.47	Y
9	1		EA	6" FLANGED DI 45 ELBOW, GL, PRIMED L69 EXTERIOR, DOMESTIC	262.40	262.40	Y
8	1		EA	6" X 1'-0" FL X PE DI SPOOL, GL, PRIMED L69 EXTERIOR, AIS (TAG SPOOL PSC)	139.29	139.29	Y
7	1		EA	6" X 1'-0" OAL MJ TAPPED BELL X TAPPED FL DI WALL PIPE WITH FLOATING SEEP RING 6" F.F.E., GL, L69 PRIMED EXTERIOR, AIS (TAG SPOOL PSC)TAPPED 3/4" UNC FOR STUD BOLT	890.35	890.35	Y
6	1		EA	6" X 5'-0" FL X PE DI SPOOL GL, L69 PRIMED EXTERIOR AIS (TAG SPOOL PS)	341.57	341.57	Y

**Bolts & Gasket \$23.05**



REMIT: PO Box 84368, Seattle, WA 98124

**Invoice Number** **I4613444**

SPDS  
# 015290

**Corporate Office**  
3633 136th Pl SE, Ste 100, Bellevue, WA 98006  
PO Box 160, Bellevue, WA 98009-0160  
Phone 425-654-8800 \* Fax 425-641-8885

**Spokane Branch**  
6625 E Sharp Ave  
Spokane, WA 99212  
(509) 568-8400 Fax (509) 568-8405

<b>To:</b> APOLLO INC Attn: Accounts Payable PO Box 7305 KENNEWICK WA 99336-0617	<b>Ship to:</b> 915 HUBBARD AVE COEUR D'ALENE ID 83814	
	<b>Order#</b> O5557287	<b>Inv Date:</b> 08/28/17

<b>Terms:</b> 10P+30 <b>FOB:</b> DESTINATION	<b>Due:</b> 10/10/17 <b>Ship Via:</b> FACTORY TRUCK	<b>PO/JOB:</b> P162 P162 TERTIARY TREATMENT PHASE
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Line	Qty Ship'd	Qty BO'd	UoM	Part # Description	Unit Price	Extended Price	T X
5	2		EA	6" MJ SLEEVE, GL,ASHPALTIC COATED DOMESTIC	138.85	277.70	Y
4	2		EA	6" MJ 45 ELBOW, GL,ASHPALTIC COATED DOMESTIC	140.57	281.14	Y
						<b>Sub total</b> 23,889.91 <b>Freight</b> <b>Tax</b> 1,433.39 <b>Grand Total</b> 25,323.30	

**\*\* New Remittance Address \*\***  
 PO Box 84368, Seattle, WA 98124-5668  
 EFT Routing: 121000248  
 EFT Bank No: 418 545 3362



**H.D. FOWLER  
COMPANY**

REMIT: PO Box 84368, Seattle, WA 98124

**Invoice  
Number** **I4763117**

HAWH  
# 015290

**Corporate Office**  
3633 136th Pl SE, Ste 100, Bellevue, WA 98006  
PO Box 160, Bellevue, WA 98009-0160  
Phone 425-654-8800 \* Fax 425-641-8885

**Hayden Branch**  
1841 W Hayden Ave  
Hayden, ID 83835  
(208) 772-9060 Fax (208) 772-9478

<b>To:</b> APOLLO INC Attn: Accounts Payable PO Box 7305 KENNEWICK WA 99336-0617	<b>Ship to:</b> HD Fowler Company - Hayden 1841 W Hayden Ave Hayden ID 83835	
	<b>Order#</b> O5841680	<b>Inv Date:</b> 03/08/18

<b>Terms:</b> 10P+30 <b>FOB:</b> H. D. FOWLER	<b>Due:</b> 05/10/18 <b>Ship Via:</b> WILL CALL	<b>PO/JOB:</b> P162 P162 TERTIARY TREATMENT PHASE
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Line	Qty Ship'd	Qty BO'd	UoM	Part # Description	Unit Price	Extended Price	T X
1	1		EA	6" MJ CAP DI,SSB,AWWA C153,LESS ACCESS (17 LBS)	31.55	31.55	
3	1		EA	6" GASKET AND T-BOLT SET FOR C153 MJ FITTINGS	14.56	14.56	
4	1		EA	6" MJ FOLLOWER GLAND	8.49	8.49	
						Sub total	54.60
						Freight	
						Tax	
						<b>Grand Total</b>	<b>54.60</b>

**\*\* New Remittance Address \*\***  
PO Box 84368, Seattle, WA 98124-5668

EFT Routing: 121000248  
EFT Bank No: 418 545 3362

craig



REMIT: PO Box 84368, Seattle, WA 98124

Invoice  
 Number **14524076**

SPDS  
 # 015290

**Corporate Office**  
 3633 136th Pl SE, Ste 100, Bellevue, WA 98006  
 PO Box 160, Bellevue, WA 98009-0160  
 Phone 425-654-8800 \* Fax 425-641-8885

**Spokane Branch**  
 6625 E Sharp Ave  
 Spokane, WA 99212  
 (509) 568-8400 Fax (509) 568-8405

<b>To:</b> APOLLO INC Attn: Accounts Payable PO Box 7305 KENNEWICK WA 99336-0617	<b>Ship to:</b> 915 HUBBARD AVE COEUR D'ALENE ID 83814	
	<b>Order#</b> O5557433	<b>Inv Date:</b> 06/05/17

<b>Terms:</b> 10P+30 <b>FOB:</b> DESTINATION	<b>Due:</b> 08/10/17 <b>Ship Via:</b> FACTORY TRUCK	<b>PO/JOB:</b> P162 P162 TERTIARY TREATMENT PHASE
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Line	Qty Ship'd	Qty BO'd	UoM	Part # Description	Unit Price	Extended Price	T X
69	1		EA	4" TUFGRIP MJ WEDGE RESTRAINT SERIES 1000 FOR DIP WITH ACCESSORIES,DOMESTIC	45.30	45.30	Y
66	1		EA	12" FL TEE DI AWWA C110 C/L (408 LBS) DOMESTIC	2394.83	2,394.83	Y
64	2	1	EA	30" C153 MJ ACCESSORY KIT 244844 DOMESTIC	413.46	826.92	Y
63	10	2	EA	TYLER 16" VALVE BOX TOP 6855 SLIP TYPE HEAVY DUTY DOMESTIC	95.26	952.60	Y
55	1		EA	12" FL X 8" MJ REDUCER DI,AWWA C110,C/L,LESS ACC (183 LBS) DOMESTIC	859.57	859.57	Y
53	4	1	EA	4" MJ 45 ELL DI,AWWA C153,C/L,LESS ACCESS (22 LBS) DOMESTIC	85.29	341.16	Y
52	1	2	EA	4" MJ 90 ELL,DI,AWWA C153,C/L,LESS ACCESS (26 LBS) DOMESTIC	101.91	101.91	Y
50	33	6	EA	4" COMPACT BODY MJ ACCESSORIES KIT DOMESTIC COMPLETE WITH GLAND, GASKET AND (4) 3/4" X 3.5" T-BOLTS	26.58	877.14	Y
48	1		EA	4" MJ 45 ELL DI,AWWA C153,C/L,LESS ACCESS (22 LBS) DOMESTIC	85.29	85.29	Y
47	1		EA	4" MJ 90 ELL,DI,AWWA C153,C/L,LESS ACCESS (26 LBS) DOMESTIC	101.91	101.91	Y
46	2		EA	4" MJ SLEEVE LONG PATTERN DI, AWWA C153 LESS ACCESSORIES (24 LBS) DOMESTIC	94.15	188.30	Y
44	1		EA	6" X 4" MJ REDUCER SEB DI,AWWA C153,C/L,LESS ACC (26 LBS) DOMESTIC	105.23	105.23	Y
43	1		EA	6" MJ TEE DI,AWWA C153,C/L,LESS ACCESS (60 LBS) DOMESTIC	232.61	232.61	Y
41	1		EA	4" MJ 90 ELL,DI,AWWA C153,C/L,LESS ACCESS (26 LBS) DOMESTIC	101.91	101.91	Y
40	3		EA	4" MJ SLEEVE, CML LINED,ASPHALTIC COATED DOMESTIC (MAY NEED TO ADD 3 BASED ON RFI)	70.43	211.29	Y





REMIT: PO Box 84368, Seattle, WA 98124

**Invoice Number** 14524076

SPDS  
# 015290

**Corporate Office**  
3633 136th Pl SE, Ste 100, Bellevue, WA 98006  
PO Box 160, Bellevue, WA 98009-0160  
Phone 425-654-8800 \* Fax 425-641-8885

**Spokane Branch**  
6625 E Sharp Ave  
Spokane, WA 99212  
(509) 568-8400 Fax (509) 568-8405

<b>To:</b> APOLLO INC Attn: Accounts Payable PO Box 7305 KENNEWICK WA 99336-0617	<b>Ship to:</b> 915 HUBBARD AVE COEUR D'ALENE ID 83814	
	<b>Order#</b> O5557433	<b>Inv Date:</b> 06/05/17

<b>Terms:</b> 10P+30 <b>FOB:</b> DESTINATION	<b>Due:</b> 08/10/17 <b>Ship Via:</b> FACTORY TRUCK	<b>PO/JOB:</b> P162 P162 TERTIARY TREATMENT PHASE
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Line	Qty Ship'd	Qty BO'd	UoM	Part # Description	Unit Price	Extended Price	T X
39	1		EA	4" MJ 11 1/4 ELL DI, AWWA C153, C/L LESS ACC (20 LBS) DOMESTIC	73.11	73.11	Y
38	1		EA	6" MJ 45 ELL DI,AWWA C153,C/L,LESS ACCESS (40 LBS) DOMESTIC	132.92	132.92	Y
37	1		EA	6" MJ 11 1/4 ELL DI, AWWA C153, C/L LESS ACC (33 LBS) DOMESTIC	124.06	124.06	Y
35	4		EA	TYLER 36" VALVE BOX BASE 6855 SLIP TYPE HEAVY DUTY DOMESTIC	110.77	443.08	Y
34	8		EA	TYLER 5-1/4" VALVE BOX DROP LID HEAVY DUTY FOR 6850 MARKED "SEWER" DOMESTIC	21.05	168.40	Y
31	2		EA	6" X 4" FL TEE DI,AWWA C110,C/L (90 LBS) DOMESTIC	428.68	857.36	Y
29	5		EA	6" MJ SLEEVE LONG PATTERN DI, AWWA C153 LESS ACCESSORIES (39 LBS) DOMESTIC	140.68	703.40	Y
28	1		EA	6" MJ 22 1/2 ELL DI, AWWA C153, C/L LESS ACC (37 LBS) DOMESTIC	120.74	120.74	Y
27	2		EA	6" C153 MJ 11-1/4 DEGREE ELBOW CML LINED ASPHALTIC COATED DOMESTIC	92.80	185.60	Y
26	3		EA	6" C153 MJ 45 DEGREE ELBOW CML LINED ASPHALTIC COATED DOMESTIC	99.43	298.29	Y
25	7		EA	4" COMPACT BODY MJ ACCESSORIES KIT DOMESTIC COMPLETE WITH GLAND, GASKET AND (4) 3/4" X 3.5" T-BOLTS	26.58	186.06	Y
23	3	18	EA	6" COMPACT BODY MJ ACCESSORIES KIT DOMESTIC COMPLETE WITH GLAND, GASKET AND (6) 3/4" X 3.5" T-BOLTS	32.12	96.36	Y
20	1		EA	8" MJ CAP DI,SSB,AWWA C153,LESS ACCESS (25 LBS) DOMESTIC	100.80	100.80	Y
19	1		EA	8" BLIND FLANGE,DI,AWWA C110,NORMALLY BARE FINISH (43 LBS) DOMESTIC	187.20	187.20	Y



REMIT: PO Box 84368, Seattle, WA 98124

**Invoice Number** **14524076**

SPDS  
# 015290

**Corporate Office**  
3633 136th Pl SE, Ste 100, Bellevue, WA 98006  
PO Box 160, Bellevue, WA 98009-0160  
Phone 425-654-8800 \* Fax 425-641-8885

**Spokane Branch**  
6625 E Sharp Ave  
Spokane, WA 99212  
(509) 568-8400 Fax (509) 568-8405

<b>To:</b> APOLLO INC Attn: Accounts Payable PO Box 7305 KENNEWICK WA 99336-0617	<b>Ship to:</b> 915 HUBBARD AVE COEUR D'ALENE ID 83814		
	<b>Order#</b> O5557433	<b>Inv Date:</b> 06/05/17	<b>Order Writer:</b> Wayne Stoken

<b>Terms:</b> 10P+30 <b>FOB:</b> DESTINATION	<b>Due:</b> 08/10/17 <b>Ship Via:</b> FACTORY TRUCK	<b>PO/JOB:</b> P162 P162 TERTIARY TREATMENT PHASE
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Line	Qty Ship'd	Qty BO'd	UoM	Part # Description	Unit Price	Extended Price	T X
18	<del>28</del>		EA	8" COMPACT BODY MJ ACCESSORIES KIT DOMESTIC COMPLETE WITH GLAND, GASKET AND (6) 3/4" X 4" T-BOLTS	37.66	1,054.48	Y
				3 EA \$112.98			
16	2		EA	8" MJ 45 ELL DI AWWA C153 C/L LESS ACC (59LBS) DOMESTIC	188.31	376.62	Y
15	6		EA	8" MJ 90 ELL DI AWWA C153 C/L LESS ACCESS (68LBS) DOMESTIC	235.94	1,415.64	Y
14	2		EA	8" MJ SLEEVE LONG PATTERN DI, AWWA C153 LESS ACCESSORIES (53 LBS) DOMESTIC	183.88	367.76	Y
13	1		EA	8" TUFGRIP MJ WEDGE RESTRAINT SERIES 1000 FOR DIP WITH ACCESSORIES,DOMESTIC (FOR OMNI SLEEVE RESTRAINT)	76.32	76.32	Y
12	14		EA	10" COMPACT BODY MJ ACCESSORIES KIT DOMESTIC COMPLETE WITH GLAND, GASKET AND (8) 3/4" X 4" T-BOLTS	52.06	728.84	Y
11	1		EA	10" TUFGRIP MJ WEDGE RESTRAINT SERIES 1000 FOR DIP WITH ACCESSORIES,DOMESTIC (OMNI SLEEVE RESTRAINT)	109.08	109.08	Y
10	2		EA	10" MJ SLEEVE LNG PATTERN DI, AWWA C153 LESS ACCESSORIES (68 LBS) DOMESTIC	275.81	551.62	Y
9	2		EA	10" MJ 45 ELL,DI,AWWA C153,C/L,LESS ACCESS (86 LBS) DOMESTIC	271.38	542.76	Y
8	3		EA	10" MJ 90 ELL,DI,AWWA C153,C/L,LESS ACCESS (136 LBS) DOMESTIC	409.85	1,229.55	Y
6	1		EA	6" GASKET AND T-BOLT SET FOR C153 MJ FITTINGS DOMESTIC (FOR MJ PLUG AT CLEAN OUT)	24.37	24.37	Y



REMIT: PO Box 84368, Seattle, WA 98124

**Invoice Number** 14524076

SPDS  
# 015290

**Corporate Office**  
3633 136th Pl SE, Ste 100, Bellevue, WA 98006  
PO Box 160, Bellevue, WA 98009-0160  
Phone 425-654-8800 \* Fax 425-641-8885

**Spokane Branch**  
6625 E Sharp Ave  
Spokane, WA 99212  
(509) 568-8400 Fax (509) 568-8405

<b>To:</b> APOLLO INC Attn: Accounts Payable PO Box 7305 KENNEWICK WA 99336-0617	<b>Ship to:</b> 915 HUBBARD AVE COEUR D'ALENE ID 83814	
	<b>Order#</b> O5557433	<b>Inv Date:</b> 06/05/17

<b>Terms:</b> 10P+30 <b>FOB:</b> DESTINATION	<b>Due:</b> 08/10/17 <b>Ship Via:</b> FACTORY TRUCK	<b>PO/JOB:</b> P162 P162 TERTIARY TREATMENT PHASE
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Line	Qty Ship'd	Qty BO'd	UoM	Part # Description	Unit Price	Extended Price	T X
5	11		EA	6" COMPACT BODY MJ ACCESSORIES KIT DOMESTIC COMPLETE WITH GLAND, GASKET AND (6) 3/4" X 3.5" T-BOLTS	32.12	353.32	Y
4	2		EA	TYLER 36" VALVE BOX BASE 6855 SLIP TYPE HEAVY DUTY DOMESTIC	110.77	221.54	Y
3	2		EA	TYLER 5-1/4" VALVE BOX DROP LID HEAVY DUTY FOR 6850 MARKED "SEWER" DOMESTIC	21.05	42.10	Y
2	2		EA	TYLER 16" VALVE BOX TOP 6855 SLIP TYPE HEAVY DUTY DOMESTIC	95.26	190.52	Y
1	9		EA	6" COMPACT BODY MJ ACCESSORIES KIT DOMESTIC COMPLETE WITH GLAND, GASKET AND (6) 3/4" X 3.5" T-BOLTS	32.12	289.08	Y

**\*\* New Remittance Address \*\***  
PO Box 84368, Seattle, WA 98124-5668

EFT Routing: 121000248  
EFT Bank No: 418 545 3362

Sub total 18,676.95  
Freight  
Tax 1,120.62  
Grand Total 19,797.57


**H.D. FOWLER  
COMPANY**

 PO Box 84368 \* Seattle, WA \* 98124-5668  
 425-746-8400

 Invoice  
 Number **14996058**

 PSDS  
 # 015290

**Pasco Branch**  
 1335 Dietrich Road  
 Pasco, WA 99301  
 (509) 545-0255 Fax (509) 545-0299

To:		Ship to:	
APOLLO INC Attn: Accounts Payable PO Box 7305 KENNEWICK WA 993360617		915 HUBBARD AVE  COEUR D'ALENE ID 83814	
Terms: 10P+30 FOB: JOBSITE		Due: 12/10/18 Ship Via: VENDOR'S CHOICE	Order# O6100998
		Inv Date: 10/23/18	Order Writer: Matt Mahan
		PO/JOB: GLASS P162 TERTIARY TREATMENT PHAS	

Line	Qty Ship'd	Qty BO'd	UoM	Part # Description	Unit Price	Extended Price	T X
1	2	0	EA	8" DI MJ 45 BIT/GLS	337.740	675.48	
						Sub total	675.48
						Freight	0.00
						Tax	0.00
						Grand Total	675.48

craig j

Serving the Pacific Northwest since 1911



**H.D. FOWLER  
COMPANY**

PO Box 84368 \* Seattle, WA \* 98124-5668  
425-746-8400

Invoice  
Number **15009969**

HAWH  
# 015290

Hayden Branch  
1641 W. Hayden Ave.  
Hayden, ID 83835  
(208) 772-9060 Fax (208) 772-9478

To:		Ship to: HD Fowler Company - Hayden	
APOLLO INC Attn: Accounts Payable PO Box 7305 KENNEWICK WA 993360617		Hayden	ID 83835
Terms: 10P+30	Due: 01/10/19	Order#: O6088308	Order Writer: JOSHUA MYERS
FOB: H. D. FOWLER	Ship Via: Will-Call Here (Order	Inv Date: 11/07/18	PO/JOB: P162 P162 TERTIARY TREATMENT PHAS

Line	Qty Ship'd	Qty BO'd	UoM	Part # Description	Unit Price	Extended Price	T X
1	3	0	EA	10" MJ 90 ELL,DI,AWWA C153,C/L,LESS ACCESS (136 LBS) DOMESTIC	309.770	929.31	
2	1	0	EA	6" MJ 90 ELL,DI,AWWA C153,C/L,LESS ACCESS (48 LBS) DOMESTIC	121.390	121.39	
12	2	0	EA	6" MJ 90 ELL,DI,AWWA C153,C/L,LESS ACCESS (48 LBS) DOMESTIC	121.390	242.78	
3	1	0	EA	6" MJ TEE DI,AWWA C153,C/L,LESS ACCESS (60 LBS) DOMESTIC	175.810	175.81	
6	18.25	0	FT	10" CL 50 DI PIPE TJ,C151/A 21.51,C104,C/L,18.25' NOM. LGTH,SBR GASKET (31.7 LBS/FT)	23.990	437.82	
7	6	4	EA	10" WEDGE ACTION MJ RETAINER GLAND FOR IPS/C-900 PVC PIPE	96.710	580.26	
8	10	0	EA	10" GASKET AND T-BOLT KIT FOR C153 MJ FITTINGS DOMESTIC	26.790	267.90	
13	5	0	EA	6" WEDGE ACTION MJ RETAINER GLAND FOR DIP	26.610	133.05	
10	5	0	EA	6" GASKET AND T-BOLT SET FOR C153 MJ FITTINGS DOMESTIC	19.120	95.60	
11	2	0	EA	10" MJ 45 ELL,DI,AWWA C153,C/L,LESS ACCESS (86 LBS)	143.330	286.66	

Sub total	3,270.58
Freight	0.00
Tax	0.00
<b>Grand Total</b>	<b>3,270.58</b>

CRAIG

Serving the Pacific Northwest since 1911



Invoice Number	Invoice Date	Terms	NET 60
02192830	12/13/18	F.O.B.	SHIPPING POINT
Order Number	Customer PO Number		
02189472	P182 CHEM SYS		
Order Date	Ship Date	Ship Via	
12/11/18	12/12/18	H & H EXPRESS	



PLEASE REMIT TO:  
Harrington Industrial Plastics LLC  
PO BOX 5128  
14480 Yorba Ave  
Chino, CA 91708-5128  
TEL 909-597-8641  
FAX 909-597-0741

000000

# INVOICE

Bill to: APOLLO INCORPORATED  
P O BOX 7305  
KENNEWICK, WA 99336

Ship to: TONY  
ALOLLO INC JOBSITE  
CITY OF COEUR D'ALENE TERTIARY  
TREATMENT PH 2 IMPR  
765 W HUBBARD AVE  
COEUR D'ALENE, ID 83814

Customer No.	Territory	Freight Terms	Page #	Job No.					
030452	212	CHARGE OUTBOUND ONLY	1						
Product No./Description	WHSE	Order Quantity	Ship Quantity	Balance Due	List Price	Disc	Unit Price	Amount	
800-030 3" PIPE P/E PVC SCH80	021	100	100	0			3.01	301.00	
800-020 2" PIPE P/E PVC SCH80	021	200	200	0			1.49	298.00	
807-020SRS 2" 90 ELBOW SxFSRT PVC SCH80	021	1	0	1			10.31	0.00	

Unit prices used for  
misc. pipe materials

APOLLO, INC.  
DEC 17 2018  
RECEIVED

WARRANTY DISCLAIMER: Harrington Industrial Plastics LLC (Harrington) makes no express or implied warranties, including those of merchantability or fitness for a particular purpose, with regard to goods and products not manufactured by Harrington. With regard to products manufactured by Harrington, Harrington warrants only that such products will be free of defects in material and workmanship for a period of one year from shipment date. Harrington makes no other express or implied warranties with respect to such goods. Any description of goods on the face of this document is for the sole purpose of identifying them and does not constitute a warranty of any kind.  
ENTIRE AGREEMENT: The terms and conditions set forth in this invoice constitute the entire agreement between purchaser and Harrington and supersede any prior or contemporaneous representations or agreements, written or oral. No additional oral or written terms, including any attempts by purchaser to alter or modify this invoice or any other document relating to this sale, shall become a part of this agreement without the express written consent of Harrington.

Subtotal	599.00
Tax	0.00
Freight & Handling	88.50
Total Due	687.50



REMIT: PO Box 84368, Seattle, WA 98124

**Invoice Number 15029465**

HAWH  
# 015290

**Corporate Office**  
3633 136th Pl SE, Ste 100, Bellevue, WA 98006  
PO Box 160, Bellevue, WA 98009-0160  
Phone 425-654-8800 \* Fax 425-641-8885

**Hayden Branch**  
1841 W Hayden Ave  
Hayden, ID 83835  
(208) 772-9060 Fax (208) 772-9478

<b>To:</b> APOLLO INC Attn: Accounts Payable PO Box 7305 KENNEWICK WA 99336-0617	<b>Ship to:</b> 915 HUBBARD AVE COEUR D'ALENE ID 83814		
	<b>Order#</b> O6149577	<b>Inv Date:</b> 12/04/18	<b>Order Writer:</b> Josh Shore

<b>Terms:</b> 10P+30 <b>FOB:</b> H. D. FOWLER COMPANY	<b>Due:</b> 02/10/19 <b>Ship Via:</b> SALESPERSON	<b>PO/JOB:</b> P162 P162 TERTIARY TREATMENT PHASE
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Line	Qty Ship'd	Qty BO'd	UoM	Part # Description	Unit Price	Extended Price	T X
1	5		EA	36" VALVE BOX BASE	30.56	152.80	
3	4		EA	TYLER 16" VALVE BOX TOP 6855 SLIP TYPE	26.32	105.28	
5	4		EA	TYLER 5-1/4" VALVE BOX DROP LID HEAVY DUTY FOR 6850 MARKED "WATER"	9.45	37.80	
						Sub total	295.88
						Freight	
						Tax	
						<b>Grand Total</b>	<b>295.88</b>

**\*\* New Remittance Address \*\***  
PO Box 84368, Seattle, WA 98124-5668

EFT Routing: 121000248  
EFT Bank No: 418 545 3362

CRAIG

COLUMBIA RIGGING CORP.  
 P.O. BOX 2717  
 2407 EAST A STREET  
 PASCO WA. 99302  
 (BUS.)1-509-545-4657 (FAX) 1-509-545-8103

DATE	INVOICE #
9/14/2018	33473

## BILL TO

APOLLO INC.  
 P.O. BOX 7305  
 KENNEWICK WA, 98336

## SHIP TO

APOLLO, INC.  
 OCT 08 2018  
 RECEIVED

P.O. NUMBER	TERMS	REP	SHIP	VIA	F.O.B.	PROJECT
P162	Net 30		9/14/2018	W/C		

QUANTITY	ITEM CODE	DESCRIPTION	PRICE EACH	AMOUNT
2	INV	9/2" DIA. X 24-1/2" FIN. OVERALL LENGTH, GRADE 6X STAINLESS STEEL 2-LEGGED CHAIN BRIDLE ASSEMBLIES WITH 24 INCHES OF STAINLESS STEEL CHAIN ON TOP WITH PEWAG BRAND #CK-7 STAINLESS STEEL CHAIN COUPLER ON BOTTOM OF CHAIN. ALSO CONNECTED TO BOTTOM COUPLER ARE 2 ONLY, 6 INCH SECTIONS OF STAINLESS STEEL CHAIN WITH PEWAG BRAND #CK-7 STAINLESS STEEL CHAIN COUPLERS CONNECTED ON BOTTOM OF 6 INCH CHAIN SECTIONS. EACH ASSEMBLY WAS PROOF LOAD TESTED WITHOUT SIGN OF FAILURE FROM TEST AND TAGGED WITH WORKING LOAD LIMIT, LOAD TEST DATE, AND CRC SERIAL NUMBERS #80348-1 & #80348-2. NEXT INSPECTION DUE 05-14-2019.	234.40	468.80
1	FREIGHTCHARGE	FREIGHT CHARGE	22.30	22.30
		Sales Tax	8.60%	42.22
<b>Total</b>				533.32

COLUMBIA RIGGING CORP.  
 P.O. BOX 2717  
 2407 EAST A STREET  
 PASCO WA. 99302  
 (BUS.)1-509-545-4657 (FAX) 1-509-545-8103

Invoice

DATE	INVOICE #
8/10/2018	33211

BILL TO
APOLLO INC. P.O. BOX 7395 KENNEWICK WA. 99336

SHIP TO

P.O. NUMBER	TERMS	REP	SHIP	VIA	F.O.B.	PROJECT
P162	Net 30		8/10/2018	WC		

QUANTITY	ITEM CODE	DESCRIPTION	PRICE EACH	AMOUNT
14	INV	3/8" DIA. X 20 FT. GRADE 70, TRANSPORT BINDER CHAINS WITH CLEVIS GRAB HOOKS EACH END-IMPORT. *NOT RATED FOR OVERHEAD LIFTING APPLICATIONS*	50.95	713.30T
12	INV	IMPORT 5/16"-3/8" ALLOY RATCHET STYLE LOAD BINDERS, WORKING LOAD LIMIT OF 8,000 LBS.	34.95	419.40T
		Sales Tax	8.60%	97.41
			<b>Total</b>	<b>\$1,230.11</b>

**From:** [Ryan McElwain](#)  
**To:** [Amy Jenne](#); [Kevin Buchanan](#)  
**Cc:** [Tashia Hart](#); [Kevin Burke](#); [David Wise](#); [Dan Hazel](#)  
**Subject:** RE: CDA Tertiary Gate SLG-501-31  
**Date:** Friday, August 10, 2018 2:13:17 PM  
**Attachments:** [image001.png](#)

---

Amy,

The freight on the stem is 355.00

**Ryan McElwain**  
Field Service/Training Coordinator  
Operation & Maintenance Manuals  
Parts Department  
**Golden Harvest, Inc.**  
11944 Westar Lane  
Burlington, WA 98233  
Phone: 360-757-4334, ext. 1109  
email: [ryanm@goldenharvestinc.com](mailto:ryanm@goldenharvestinc.com)



**Golden Harvest, Inc**  
Golden Gates™

---

**From:** Amy Jenne <[amy.jenne@apollo-gc.com](mailto:amy.jenne@apollo-gc.com)>  
**Sent:** Friday, August 10, 2018 2:09 PM  
**To:** Kevin Buchanan <[KevinB@goldenharvestinc.com](mailto:KevinB@goldenharvestinc.com)>  
**Cc:** Tashia Hart <[TashiaH@goldenharvestinc.com](mailto:TashiaH@goldenharvestinc.com)>; Kevin Burke <[Kevin.Burke@apollo-gc.com](mailto:Kevin.Burke@apollo-gc.com)>; David Wise <[davidw@goldenharvestinc.com](mailto:davidw@goldenharvestinc.com)>; Ryan McElwain <[RyanM@goldenharvestinc.com](mailto:RyanM@goldenharvestinc.com)>; Dan Hazel <[DanH@goldenharvestinc.com](mailto:DanH@goldenharvestinc.com)>  
**Subject:** RE: CDA Tertiary Gate SLG-501-31

Ryan,  
Do you know what the freight is now?

Amy

---

**From:** Kevin Buchanan <[KevinB@goldenharvestinc.com](mailto:KevinB@goldenharvestinc.com)>  
**Sent:** Wednesday, August 8, 2018 1:33 PM  
**To:** Amy Jenne <[amy.jenne@apollo-gc.com](mailto:amy.jenne@apollo-gc.com)>  
**Cc:** Tashia Hart <[TashiaH@goldenharvestinc.com](mailto:TashiaH@goldenharvestinc.com)>; Kevin Burke <[Kevin.Burke@apollo-gc.com](mailto:Kevin.Burke@apollo-gc.com)>; David Wise <[davidw@goldenharvestinc.com](mailto:davidw@goldenharvestinc.com)>; Ryan McElwain <[RyanM@goldenharvestinc.com](mailto:RyanM@goldenharvestinc.com)>; Dan Hazel <[DanH@goldenharvestinc.com](mailto:DanH@goldenharvestinc.com)>  
**Subject:** RE: CDA Tertiary Gate SLG-501-31

Ryan will get is shipped tomorrow.



Kevin Buchanan  
Golden Harvest, Inc.  
11944 Westar Lane  
Burlington, WA 98233

Phone: (360) 757-4334  
Fax: (360) 757-1135  
Email: [kevinb@goldenharvestinc.com](mailto:kevinb@goldenharvestinc.com)  
Web: [www.goldenharvestinc.com](http://www.goldenharvestinc.com)

---

**From:** Amy Jenne <[amy.jenne@apollo-gc.com](mailto:amy.jenne@apollo-gc.com)>  
**Sent:** Wednesday, August 08, 2018 1:26 PM  
**To:** Kevin Buchanan <[KevinB@goldenharvestinc.com](mailto:KevinB@goldenharvestinc.com)>  
**Cc:** Tashia Hart <[TashiaH@goldenharvestinc.com](mailto:TashiaH@goldenharvestinc.com)>; Kevin Burke <[Kevin.Burke@apollo-gc.com](mailto:Kevin.Burke@apollo-gc.com)>;  
David Wise <[davidw@goldenharvestinc.com](mailto:davidw@goldenharvestinc.com)>; Ryan McElwain <[RyanM@goldenharvestinc.com](mailto:RyanM@goldenharvestinc.com)>;  
Dan Hazel <[DanH@goldenharvestinc.com](mailto:DanH@goldenharvestinc.com)>  
**Subject:** Re: CDA Tertiary Gate SLG-501-31

Thanks Kevin,  
Please proceed. I will get CO issued.

Amy Jenne  
Vice President  
Apollo, Inc.

On Aug 8, 2018, at 1:23 PM, Kevin Buchanan  
<[KevinB@goldenharvestinc.com](mailto:KevinB@goldenharvestinc.com)<<mailto:KevinB@goldenharvestinc.com>>> wrote:

Hi Amy

We looked at trying to do it on the cheap, but couldn't make anything work. A new stem would be \$939.00 plus freight. Gives us the OK and Ryan will get a new stem going.

Kevin Buchanan  
Golden Harvest, Inc.  
11944 Westar Lane  
Burlington, WA 98233

Phone: (360) 757-4334  
Fax: (360) 757-1135  
Email: [kevinb@goldenharvestinc.com](mailto:kevinb@goldenharvestinc.com)<<mailto:kevinb@goldenharvestinc.com>>  
Web: [www.goldenharvestinc.com](http://www.goldenharvestinc.com)<<http://www.goldenharvestinc.com>>  
From: Amy Jenne <[amy.jenne@apollo-gc.com](mailto:amy.jenne@apollo-gc.com)<<mailto:amy.jenne@apollo-gc.com>>>  
Sent: Wednesday, August 08, 2018 12:38 PM  
To: Tashia Hart <[TashiaH@goldenharvestinc.com](mailto:TashiaH@goldenharvestinc.com)<<mailto:TashiaH@goldenharvestinc.com>>>  
Cc: Kevin Burke <[Kevin.Burke@apollo-gc.com](mailto:Kevin.Burke@apollo-gc.com)<<mailto:Kevin.Burke@apollo-gc.com>>>; Kevin Buchanan <[KevinB@goldenharvestinc.com](mailto:KevinB@goldenharvestinc.com)<<mailto:KevinB@goldenharvestinc.com>>>; David Wise

<[davidw@goldenharvestinc.com](mailto:davidw@goldenharvestinc.com)<<mailto:davidw@goldenharvestinc.com>>>

Subject: CDA Tertiary Gate SLG-501-31

Hi Tashia,

We had to make a field adjustment to a pipe invert due to an unforeseen underground conflict. Attached is the approved drawing for gate SLG-501-31 wherein I have noted the invert has been lowered 1'0". Therefore, we will need a longer stem. I think this is the only adjustment that we will have to make? Please send over a quote and lead-time for the new stem and let me know if I am overlooking anything else effected by this change.

Thanks.

Amy Jenne

Vice President

Apollo, Inc.

1-509-987-1417 direct phone

<image001.jpg>

Disclaimer

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by the recipient and others authorized to receive it. If you are not the recipient, you are hereby notified that any disclosure, copying, distribution or taking action in relation of the contents of this information is strictly prohibited and may be unlawful.

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Hayden  
 10780 N Highway 95 Hayden, ID 83835  
 208.762.6600

Apollo Inc  
 1133 W Columbia Dr  
 Kennewick, WA 98336-3472

**INVOICE**

NO.: IN000082149  
 AGREEMENT NO: RC000091179

INVOICE AMOUNT: \$3,420.57  
 INVOICE DATE: 5/21/2019  
 INVOICE DUE DATE: 6/20/2019  
 CUSTOMER: 0315740  
 CUSTOMER PO: P162  
 CONTRACT START: 3/25/2019  
 BILLED FROM: 4/22/2019  
 BILLED THROUGH: 5/19/2019

JOBSITE:  
 08Waste Water  
 Hubbard  
 Hayden, ID 83835

JOBSITE CONTACT:

PHONE: (509) 927-8800  
 ORDERED BY: Craig Turner  
 WRITTEN BY: Eddie E Cunningham

QTY	DESCRIPTION	AMOUNT
1	ID NO: E0014885 SERIAL NO: CR503076 305.5E2 Track Excavator	\$2,970.00
1	ID NO: E0019458 SERIAL NO: A4173BK30759 24" HD BKT 4.6CFT 304 305.5 C/E	\$0.00
1	ID NO: R11976 SERIAL NO: CL0450212 40" DC BKT 6.00CFT 304-305.5 C/E	\$225.00

MISCELLANEOUS ITEMS		AMOUNT
3	Environmental Fee	\$31.95

1.25 Weeks \$1,068.93

SALES TAX: \$193.62  
 INVOICE AMOUNT: \$3,420.57

PLEASE REMIT PAYMENT TO:  
 WESTERN STATES EQUIPMENT CO.  
 PO BOX 3805  
 Seattle, WA 98124-3805



Hayden  
 10780 N Highway 95 Hayden, ID 83835  
 208.762.8600

Apollo Inc  
 1133 W Columbia Dr  
 Kennewick, WA 99336-3472

**INVOICE**

NO.: IN000987682  
 AGREEMENT NO: RC000892361

INVOICE AMOUNT: \$6,070.30  
 INVOICE DATE: 5/28/2019  
 INVOICE DUE DATE: 6/27/2019  
 CUSTOMER: 0315740  
 CUSTOMER PO: P162  
 CONTRACT START: 4/6/2019  
 BILLED FROM: 5/3/2019  
 BILLED THROUGH: 5/24/2019

JOBSITE:  
 Waste Water  
 Waste Water  
 Hayden, ID 83835

JOBSITE CONTACT:  
 Tony 509-948-2803  
 PHONE:  
 ORDERED BY:  
 WRITTEN BY: Eddie E Cunningham

QTY	DESCRIPTION	AMOUNT
1	ID NO: E0003463 SERIAL NO: SWL03439 Hours out: 1578 Hours in: 2297.2 938K Wheel Loader	\$5,670.00
<b>MISCELLANEOUS ITEMS</b>		<b>AMOUNT</b>
1	Environmental Fee	\$58.70

1-week \$1,517.58

SALES TAX: \$343.60  
 INVOICE AMOUNT: \$6,070.30

PLEASE REMIT PAYMENT TO:  
 WESTERN STATES EQUIPMENT CO.  
 PO BOX 3805  
 Seattle, WA 98124-3805





**TIME and MATERIAL COST**

Request No: 73

To: CITY OF CDA - WWTP

Date Of Proposal: 6/26/2019

Job #: 17-010

Regarding: WCD-029

Job Name: CDA TERTIARY TREATMENT PHASE 2

Attention: AMY JENNE

Work To Be Done: PER WCD-029 RELOCATE FLOW METER

\_\_\_\_\_

\_\_\_\_\_

\_\_\_\_\_

\_\_\_\_\_

\_\_\_\_\_

\_\_\_\_\_

\_\_\_\_\_

LABOR CLASSIFICATION	RATES			HOURS			EXTENDED
	STRAIGHT	OVERTIME	DBL TIME	STRAIGHT	OVERTIME	DOUBLE TIME	
FOREMAN	\$ 70.99	\$ 95.14	\$ 119.29	4.00			\$ 283.96
JOURNEYMAN	\$ 66.50	\$ 88.47	\$ 110.40				\$ -
APPRENTICE	\$ 41.14	\$ 64.50	\$ 90.55				\$ -
PROJECT MANAGER	\$ 85.00						\$ -
LABOR SUB TOTAL							\$ 283.96

EQUIPMENT	RATES				QUANTITY	EXTENDED
	HOUR	DAY	WEEK	MONTH		
COST + 15%						
TOOL SUB TOTAL						\$ -

MATERIAL	EXTENDED	
COST + 15%		
CONDUIT FITTINGS AND JUCTION BOX	\$ 22.82	
MATERIAL SUB TOTAL		\$ 26.24

SUB-CONTRACTOR	EXTENDED	
COST + 5%		
SUB-CONTRACTOR SUB TOTAL		\$ -

**Total Proposed Change Order price: \$ 310.20**

Submitted By: DAVE PERRINS, Project Manager Date: 6/26/2019

Approved By: \_\_\_\_\_ Date: \_\_\_\_\_

Title \_\_\_\_\_





**TIME and MATERIAL COST**

Request No: 46

To: CITY OF CDA - WWTP

Date Of Proposal: 1/4/2019

Job #: 17-010

Regarding: CONDUIT REPAIR

Job Name: CDA TERITARY TREATMENT PHASE 2

Attention: \_\_\_\_\_

Work To Be Done: \_\_\_\_\_  
 \_\_\_\_\_  
 REPAIR DAMAGE TO EXISITNG FIBER OPTIC CONDUIT  
 \_\_\_\_\_  
 \_\_\_\_\_

<u>LABOR CLASSIFICATION</u>	<u>RATES</u>			<u>HOURS</u>			<u>EXTENDED</u>
	STRAIGHT	OVERTIME	DBL TIME	STRAIGHT	OVERTIME	DOUBLE TIME	
FOREMAN	\$ 70.99	\$ 95.14	\$ 119.29	4.00			\$ 283.96
JOURNEYMAN	\$ 66.50	\$ 88.47	\$ 110.40				\$ -
APPRENTICE	\$ 41.14	\$ 64.50	\$ 90.55	3.00			\$ 123.42
PROJECT MANAGER	\$ 85.00						\$ -
<b>LABOR SUB TOTAL</b>							<b>\$ 407.38</b>

<u>EQUIPMENT</u>	<u>RATES</u>				<u>EXTENDED</u>
	HOUR	DAY	WEEK	MONTH	
COST + 15%					
<b>TOOL SUB TOTAL</b>					<b>\$ -</b>

<u>MATERIAL</u>	<u>EXTENDED</u>	
COST + 15%		
CONDUIT AND FITTINGS	\$ 13.53	
<b>MATERIAL SUB TOTAL</b>		<b>\$ 15.56</b>

<u>SUB-CONTRACTOR</u>	<u>EXTENDED</u>	
COST + 5%		
<b>SUB-CONTRACTOR SUB TOTAL</b>		<b>\$ -</b>

**Total Proposed Change Order price: \$ 422.94**

Submitted By: DAVE PERRINS, Project Manager Date: 1/4/2019

Approved By: \_\_\_\_\_ Date: \_\_\_\_\_

Title \_\_\_\_\_

Report selections:	Job: 17010	Superintendent: ALL	From transaction date: Inception
	Phase: C0046	Estimator: ALL	To transaction date: 01/03/19
	Employee: ALL	Project manager: ALL	
	Job status: Active	Division: ALL	

**MOUNTAIN STATES ELECTRICAL**  
**Payroll Hours Analysis Report**  
**Phase Detail**

Job: 17010 CDA TERTIARY TREATMENT

Employee Code	Employee Name	Hours			Earnings			Burden Total
		Regular	Overtime	Total	Regular	Overtime	Total	
CO-046	REPAIR FIBER CONDUIT							
JUDADA	ADAM T JUDGE		3.00	3.00				
MCCPET	PETE MCCLURE		4.00	4.00				
	<b>Total for phase: CQ-046</b>		<b>7.00</b>	<b>7.00</b>		<b>0.00</b>	<b>7.00</b>	
	<b>Total for job: 17010</b>		<b>7.00</b>	<b>7.00</b>		<b>0.00</b>	<b>7.00</b>	
	<b>Report totals:</b>		<b>7.00</b>	<b>7.00</b>		<b>0.00</b>	<b>7.00</b>	

Description: Incidental Extra Work for SC1, 2, 3, Dewatering Sumps, and Field Piping Interferences.

SC1:

- 1) Replace existing ¾-inch hydrants located on the north and east sides of SC1 with new hydrants per attached hydrant detail. Run minimum 2-inch schedule 80 PVC from the 3-inch 3W mainline for all new hydrants.
- 2) Provide a new 3W source for the existing spray bar system with curb stop and valve box.
  - a. The source tie-in shall be approximately 4 to 5 LF upstream of the new northern hydrant assembly.
  - b. A hole shall be cored through the outer clarifier wall and using a swing joint from the main line piping, the spray bar piping shall be secured by a link seal through the wall.
  - c. Discontinue the existing piping to the spray bar by removing and providing a removable cap on the original system. Coordinate with OWNER/RPR for other details as needed.
- 3) SC1 Dewatering Sump 1: 4-inch TD (p) routing change per Owner's request.
  - a. Intercept existing common 4-inch tank drain from DW Sump 2 and 3 at the closest proximity to DW Sump 1 TD. This location will most likely be at the 4-inch elbow (see attached photos).
  - b. Provide credit for approximately 40 LF of piping, fittings, excavation, and the core drill required that was originally detailed in the drawings.

SC2:

- 1) Replace existing southern hydrant with new hydrant per attachment.
  - a. The source line for this hydrant may be 1-1/2-inch schedule 80 PVC as it was pre-existing.
- 2) Replace the existing hydrant on the east side with the new hydrant using 2-inch minimum schedule 80 PVC as the source from the mainline.
- 3) Remove existing 2-inch hydrant being used for water truck filling. Discontinue use below ground at the source.

SC3:

- 1) Provide two extra hydrants around the perimeter of SC3 per attachment.
  - a. Yard Hydrant 1 shall be constructed per the attached detail.
  - b. Yard Hydrant 2 shall be a combination yard hydrant and water truck fill point. Construction shall be per attached detail except all piping will be a minimum 2-inch through the hose bib.
- 2) Place concrete under the upper level access stairs at SC3 in lieu of asphalt and return the concrete to the concrete landing at SCB2.

Secondary Dewatering Sumps:

- 1) Dewatering Sumps #1 and #3: For safety and ease of access, the following sump piping changes have been requested by the city.
  - a. Modify the 4-inch cleanout piping to delete the 4-inch plug valve shown on details 1 & 3 on sheet 001C503. Provide a blind flange with a 2-inch ball valve. Give the plug valve to the city.
  - b. Provide a separate cored access hole for the 4-inch cleanout piping. This may require an offset in the 4" piping.
  - c. Coordinate with the city on final height of the 2-inch ball valve above cored opening.
- 1) Dewatering Sump #2:
- 2) Leave this sump as is. Leave the existing pump in place. Leave the wall attached gate valve in place. The new shared pump with accompanying hardware will not be used in this sump.



- 3) Provide credit for contract work not performed as well as material cost savings.

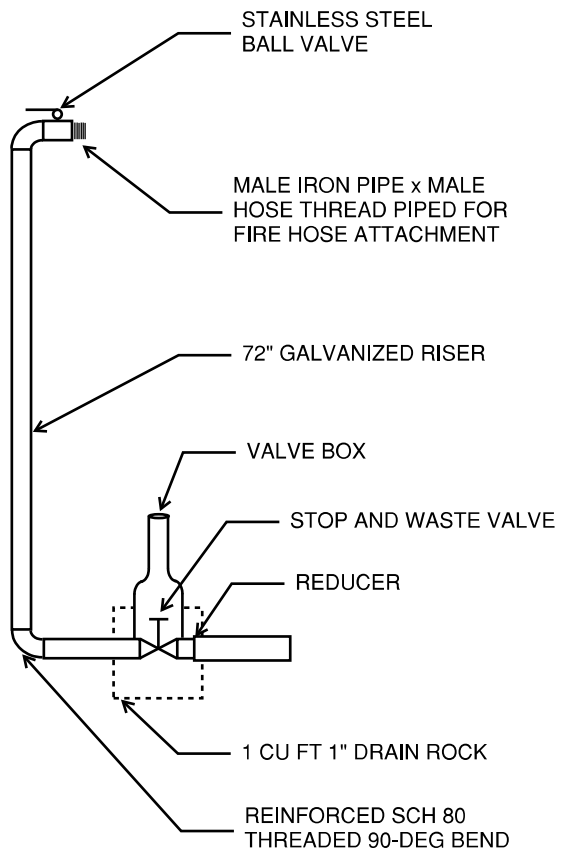
Field Piping Interferences:

- 4) The existing 6" WSS line and 10" RSS line are in the way of the proposed 36" SI(G) #3 line. Relocate the existing 6" and 10" lines as needed, replacing plastic pipe with ductile.
- 5) The existing 6" SSC line from both SC1 and SC2 share a common line with the solids contact basins.  
Provide piping so the solids contact basins will continue to drain into DWS 2 and reroute the existing 6" SSC (g) lines to converge and travel to the new scum vault at SCB2.  
Provide as-built drawings showing new elevations as per additional survey work.
- 6) Remove and replace the existing metering vault that is located above the required excavation for the 36" SI(G). Maintain the flow meter for plant operations.
  - a. Install a 2" schedule 80 PVC drain from the new vault to DW Sump 2. Include a 'P' trap.

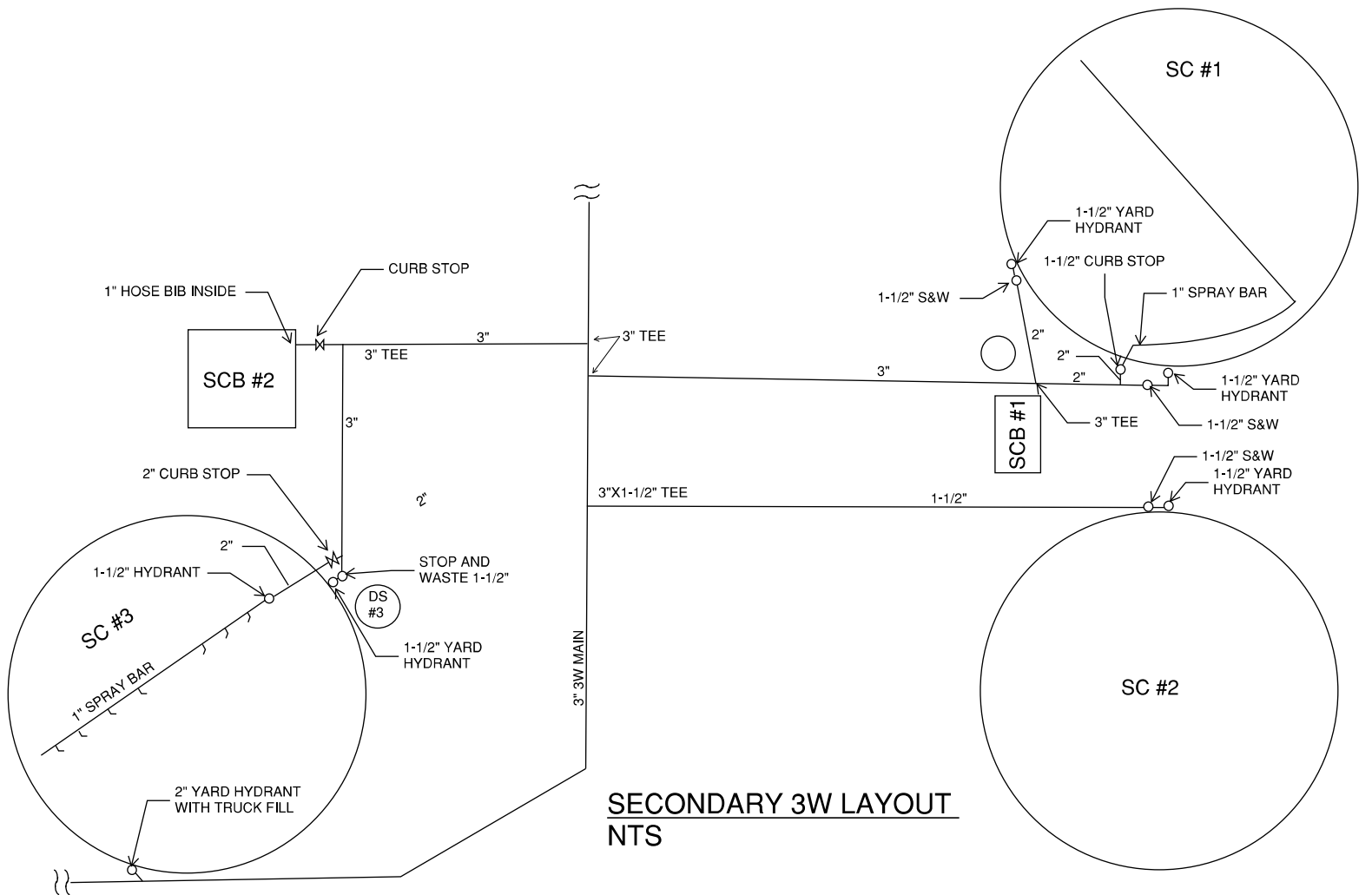
Note: All supply piping from the mainline to the hydrants shall be 2-inch minimum unless discussed otherwise.

Attachments:

Dewatering Sump Detail 001C503  
SC3 Hydrant Location Detail 001C202  
CDA Hydrant Details for WCD 29.pdf  
Original TD Line.jpg  
Final Connection to Existing TD Line.jpg  
Connection to DW Sump 1.jpg



YARD HYDRANT DETAIL  
 NTS



**SECONDARY 3W LAYOUT**  
**NTS**

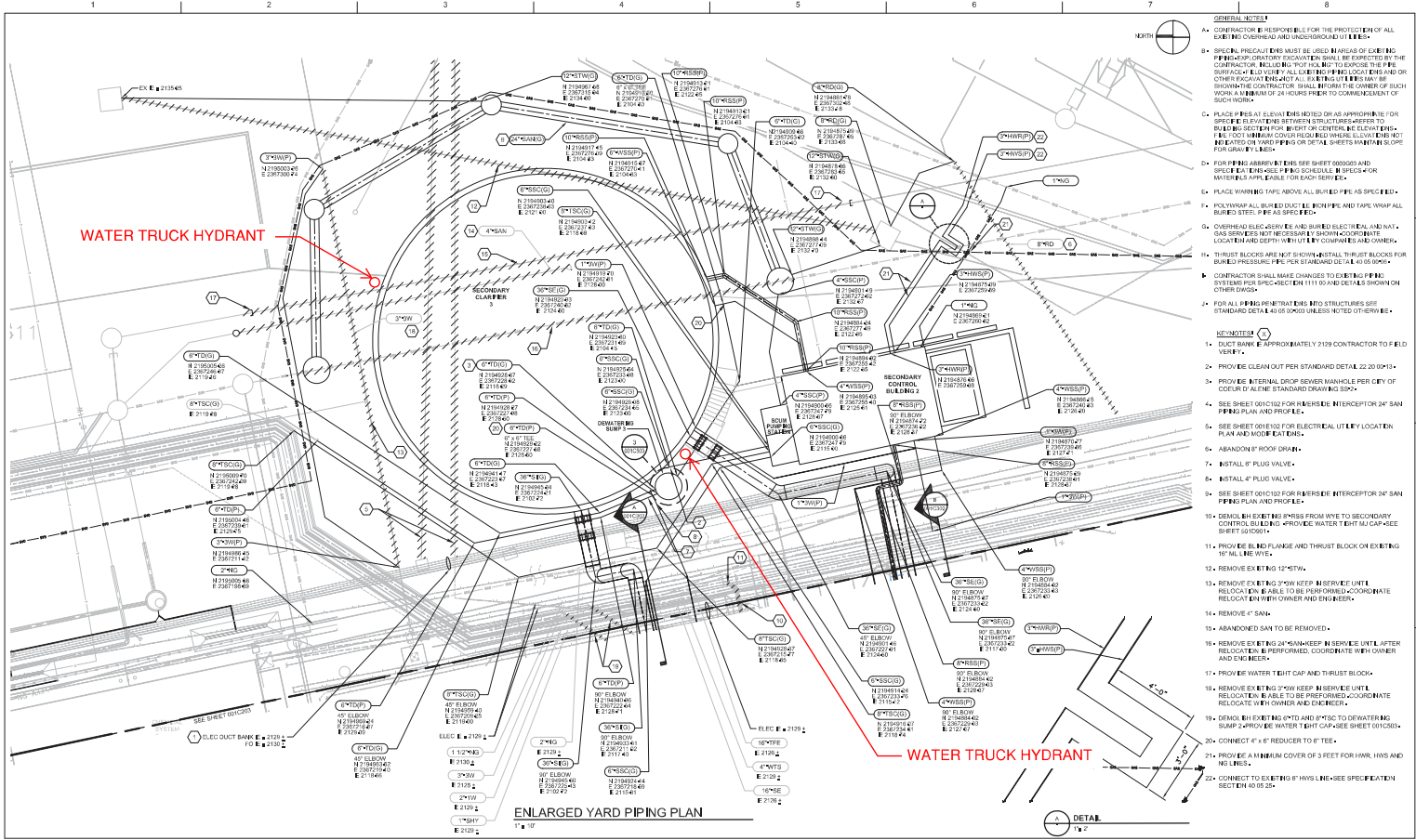












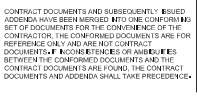
- GENERAL NOTES**
1. CONTRACTOR IS RESPONSIBLE FOR THE PROTECTION OF ALL EXISTING OVERHEAD AND UNDERGROUND UTILITIES.
  2. SPECIFIC PRECAUTIONS MUST BE USED IN AREAS OF EXISTING PIPING. CONDUIT INDICATION SHALL BE EXPECTED BY THE CONTRACTOR. ALL UTILITIES SHALL BE LOCATED AND PROTECTED PRIOR TO ANY CONSTRUCTION. THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE PROTECTION OF SUCH UTILITIES. THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE PROTECTION OF SUCH UTILITIES. THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE PROTECTION OF SUCH UTILITIES.
  3. PLACE PIPES AT ELEVATIONS NOTED OR AS APPROVED FOR SPECIFIC ELEVATIONS BETWEEN STRUCTURES. REFER TO THE PIPING PLAN AND PROFILES FOR CONDUIT ELEVATIONS. THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE PROTECTION OF SUCH UTILITIES. THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE PROTECTION OF SUCH UTILITIES.
  4. FOR PIPING ABANDONED BY THIS SHEET 000000 AND SPECIFIC ELEVATIONS PER THE SCHEDULE SPECIFICATIONS MATERIALS APPLICABLE FOR EACH SERVICE.
  5. PLACE WARNING TAPE ABOVE ALL BURIED PIPES AS SPECIFIED.
  6. POLYMER ALL-BURIED CONDUIT IS NON-FIRE AND TAPE SHALL BE BURIED AT LEAST 18\"/>

- KEYNOTES**
1. DUCT BANK APPROXIMATELY 2129 CONTRACTOR TO FIELD VERIFY.
  2. PROVIDE CLEAN OUT PER STANDARD DETAIL 22 20 1013.
  3. PROVIDE INTERNAL DRAIN SEWER MANHOLE PER CITY OF COEUR D'ALENE STANDARD DRAWING 5094.
  4. SEE SHEET 001202 FOR BARRIERS INTERFERED FOR 24\"/>



PROJECT MANAGER	MICHAEL ZELNER
C.E.L.	TAMARA
STRUCTURAL	C. VARN
ARCHITECTURAL	J. WENDT
PROCESS	M. HARTZ
MECHANICAL	K. RUTTON
ELECTRICAL	G. WENZ
INSTRUMENTATION	G. WENZ
PROJECT NUMBER	10002647

CONTRACT DOCUMENTS AND SUBSEQUENTLY ISSUED ADDENDA HAVE BEEN REVIEWED BY ONE CONSISTENT SET OF DOCUMENTS FOR THE CONVENIENCE OF THE CONTRACTOR. THE CONVENIENCE DOCUMENTS ARE FOR REFERENCE ONLY AND ARE NOT CONTRACT DOCUMENTS. CONTRACT DOCUMENTS AND ADDENDA BETWEEN THE CONSOLIDATED DOCUMENTS AND THE CONTRACT DOCUMENTS ARE FOUND. THE CONTRACT DOCUMENTS AND ADDENDA SHALL TAKE PRECEDENCE.



City of Coeur d'Alene  
Advanced Wastewater Treatment Facility  
Tertiary Treatment Phase 2

**SITE CIVIL ENLARGED YARD PIPING PLAN II - SECONDARY CLARIFIER AREA**

FILENAME: 001202.dwg  
SCALE: 1" = 10'  
SHEET: 001C202

DATE PLOTTED: 11/14/2017 10:58:11 AM

**From:** [Doug](#)  
**To:** [Amy Jenne](#)  
**Cc:** [Tony Delapena](#)  
**Subject:** CDA Stainless Supports  
**Date:** Friday, August 30, 2019 10:36:23 AM

---

Amy

Below is the cost for the stainless supports that Tony needs for his C'da job. This cost is based on using ¼" stainless bent plate to make the support angles rather than using a 6x4 angle that would take a week or better to get in, also the factory angle would be quite a bit more than just bending the plates.

Materials-	\$600
Labor-	\$1,200
Total-	\$1,800

Thank you and please let me know if you have any questions or if bent plate isn't acceptable in lieu of angle. As long as we can stay with the bent plate, these parts will be ready to pick-up first thing on Tuesday morning next week.

Doug Burnett



3120 Travel Plaza Way  
Pasco, WA 99301  
509-430-7609 O  
509-727-8779 C  
509-545-5111 F

Date of Issuance: 08/21/19                      Effective Date: 08/21/19  
 Owner: City of Coeur d'Alene, ID              Owner's Contract No.:  
 Contractor: Apollo                                  Contractor's Project No.:  
 Engineer: HDR                                      Engineer's Project No.: 10026247  
 Project: CDA Tertiary Phase 2 Improvements      Contract Name:

**Contractor is directed to proceed promptly with the following change(s):**

Description: Incidental Extra Work for SC1, 2, 3, Dewatering Sumps, and Field Piping Interferences.

**SC1:**

- 1) Replace existing ¾-inch hydrants located on the north and east sides of SC1 with new hydrants per attached hydrant detail. Run minimum 2-inch schedule 80 PVC from the 3-inch 3W mainline for all new hydrants.
- 2) Provide a new 3W source for the existing spray bar system with curb stop and valve box.
  - a. The source tie-in shall be approximately 4 to 5 LF upstream of the new northern hydrant assembly.
  - b. A hole shall be cored through the outer clarifier wall and using a swing joint from the main line piping, the spray bar piping shall pass through the wall and be secured with link seal.
  - c. Discontinue the existing piping to the spray bar by removing and providing a removable cap on the original system. Coordinate with OWNER/RPR for other details as needed.
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  - a. Intercept existing common 4-inch tank drain from DW Sump 2 and 3 at the closest proximity to DW Sump 1 TD. This location will most likely be at the 4-inch elbow (see attached photos).
  - b. Provide credit for approximately 40 LF of piping, fittings, excavation, and the core drill required that was originally detailed in the drawings.

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- 1) Replace existing southern hydrant with new hydrant per attachment.
  - a. The source line for this hydrant may be 1-1/2-inch schedule 80 PVC as it was pre-existing.
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  - b. Yard Hydrant 2 shall be a combination yard hydrant and water truck fill point. Construction shall be per attached detail except all piping will be a minimum 2-inch through the hose bib.
- 2) Place concrete under the upper level access stairs at SC3 in lieu of asphalt and return the concrete to the concrete landing at SCB2.

**Secondary Dewatering Sumps:**

- 1) Dewatering Sumps #1 and #3: For safety and ease of access, the following sump piping changes have been requested by the city.
  - a. Modify the 4-inch cleanout piping to delete the 4-inch plug valve shown on details 1 & 3 on sheet 001C503. Provide a blind flange with a 2-inch ball valve. Give the plug valve to the city.
  - b. Provide a separate cored access hole in the lid for the 4-inch cleanout piping to pass through. This may require an offset in the 4-inch piping.
  - c. Coordinate with the city on final height of the 2-inch ball valve above cored opening.
- 2) Dewatering Sump #2:
  - a. Leave this sump as is. Leave the existing pump in place. Leave the wall attached gate valve in place.







June 12, 2018

Hi Todd,

To follow-up on our phone call from this morning, we have encountered an unforeseen condition in our yard process piping work near SC2. Our crew spent the morning today attempting to locate the 6-inch SSC we are to connect to west of the DWS2 at ie. 2115.75'. We did look in DWS2 and it appears the 6-inch SSC line penetration is at approx. ie. 2113.75'. We did not continue to try to locate the line at that elevation because given the current configuration of the piping plan, the 6-inch SSC(G) is supposed to flow back to the Scum Pumping Station and enter at ie. 2115'.

In addition to what appears to be an incorrect existing invert elevation connection point, I understand there may be concern with another pipe connected to the 6-inch SSC line.

We are unable to proceed with our contract yard process piping installation at this point since this pipeline is the deepest and must be installed prior to moving onto other piping. We are able to work on changed work relocating the 6-inch WSS and 10-inch RSS lines discovered on 5/25/18. Mike is aware onsite of this issue. We look forward to a quick directive from HDR on how to proceed with installation of this line.

Please call me with any questions you may have.

*Amy Jenne*

Vice President  
Apollo, Inc.  
1-509-987-1417 direct phone

May 25, 2018

Hi Todd,

Yesterday we discovered two unforeseen interferences that have forced us to stop our process yard piping (36-inch SI(G) and 6-inch SSC(G)) installation near SC2. Mike Soucie has been notified of both of these interferences. In the attached photo you will see two pipes painted orange. These two pipes are the 10-inch RSS and 6-inch WSS pipes at SC2. Attached is also an as-built drawing which further identifies these pipes. The two interferences are detailed below:

1. 6-inch WSS – this existing pipeline is identified on the as-builts as WSS and on the contract drawings as SSC. On the contract drawings it identifies the invert at SC2 as 2105+/- which appears to be accurate with as-built drawings. The contract drawings do not identify a vertical rise in the pipe and the as-builts identify a vertical rise on the south side of the tee. In fact, the vertical rise is on the north side of the tee between the tee and SC2 in the alignment of the new 36-inch SI(G). The attached photo is taken standing on the DWS2 looking back to the west. The 6-inch WSS pipe is painted orange and closest to the DWS2. Top of pipe elevation at this location is 2126+/-'.
2. 10-inch RSS – this existing pipeline is identified on the contract drawings at invert elevation 2123+/- at SC2. In fact according to the as-built, it is at IE 2108.42' at SC2 and turns vertically just outside of SC2 to IE 2122.98'+/-. The contract drawings do not identify a vertical rise in the pipe. This vertical rise is in the alignment of the new 36-inch SI(G). The 10-inch RSS pipe is painted orange and furthest from the DWS2 in the attached photo.

The new 6-inch SSC(G) pipeline must be installed prior to the new 36-inch SI(G) pipeline since it is approx. 2' lower in elevation. The two interferences are specifically interferes with the new 36-inch SI(G) pipeline but, due to the required sequencing work on both of these new pipeline installations are stopped. We have redirected our crew to work on non-critical backfill activities at SC3 while waiting for a response on how to proceed. There will be a few crew hours charged for down time and redirection but no further standby time will be charged.

Time is of the essence with a directive on how to proceed with the 36-inch SI(G) pipeline work as all this work is critical. Although not critical on the project schedule yet, with the difficulty of installation and the interferences we are encountering during yard process piping durations are of concern.

Thank you.

*Amy Jenne*

Vice President  
Apollo, Inc.  
1-509-987-1417 direct phone

May 23, 2018

Hi Todd,

We discovered an unforeseen interference during our yard process piping installation activities this week. While excavating for the 36-inch SI(G) pipeline from SDS to the east, we discovered the concrete vault housing a flowmeter is located directly above the 36-inch SI(G) 45 elbow located just west of the Secondary Control Building. We have been informed the flow meter must stay in operation and therefore the concrete vault must be removed to accommodate the installation of the 36-inch SI(G) pipeline. The pipeline is approximately 12' below the bottom of the vault so, the vault cannot be suspended. The vault and flowmeter are not shown on drawing 001C203 nor is there a note of removal and replacement of the vault. Mike Soucie has been notified in the field of this issue.

Please include the removal of this vault and directive for replacement in a future WCD. If you have any questions or need additional information regarding the unforeseen interference, please feel free to give me a call. Thanks.

*Amy Jenne*

Vice President  
Apollo, Inc.  
1-509-987-1417 direct phone

April 4, 2018

Hi Todd,

We have (4) four unforeseen conditions we have discovered in the last 1-2 weeks during our yard process piping installation activities. I have summarized them below:

1. 6-inch-SSC(G) line from SC3 to SCB2 required (2) two 45° vertical bends. The drawings depicted no vertical bends but the distance of vertical change over the horizontal distance did not fit within the allowable tolerance of joint deflection. This results in additional cost for two fittings. Drawing sheet 001C202.
2. 6-inch-PS(P) from PSPB to PC3 had to tunnel under unforeseen pipe saddle under existing 30-inch-PE line. This is a no cost occurrence since one of the duct banks shown and anticipated as an interference was not encountered. Attached is drawing and photo. We will add these items to our as-built drawings. Drawing sheet 001C201.
3. The concrete apron demolition and replacement depicted on drawing sheet 001C901 at the Low Phosphorus Pilot Building and Trickling Filter Pumping Station is insufficient. The demo limits shown appear to be the centerline of pipe. The pipe at these locations is approximately 16' deep. Minimum excavation width for 30-inch pipe at this depth is approximately 10' depending on necessary sloping and existing utilities. Amount of demo and replacement will need to be reconsidered for payment for additional quantities beyond what shown on the drawings.

4. Existing 24-inch-PI(G) flange at PSPB was not plumb for connection to new 24-inch FCA. Crew time to get necessary adjustment out of new fittings (contract fittings) to get pipe properly aligned will result in additional cost. Drawing sheet 001C201.

Please issue a WCD for the three items that result in additional cost. If you have any questions or need additional information, please let me know.

**Amy Jenne**

Vice President

Apollo, Inc.

1-509-987-1417 direct phone



WCD 030

PRESSURE TRANSDUCER FOR SEPS WET WELL





January 29, 2019

Apollo, Inc.  
1133 West Columbia Drive  
Kennewick, WA 99336

Attn: Amy Jenne

Re: Coeur d'Alene Tertiary Treatment Phase 2 project  
WCD 030 – SEPS Pressure Transducer  
Engineer's Decision

Amy,

We have reviewed your cost proposal for WCD 030 – SEPS Pressure Transducer. We have found your submitted cost proposal to be acceptable.

A total cost of \$3,938.83 and a total of 0 calendar days will be included in the forthcoming final Change Order.

Sincerely,  
HDR Engineering, Inc.

A handwritten signature in blue ink, appearing to read 'Todd Jensen'.

Todd Jensen, PE, CCM  
*Construction Manager*

cc: Jim Remitz – City of Coeur d'Alene Wastewater Department  
Rickey Schultz – HDR  
Mike Soucie – HDR  
Mary Scalise – HDR

Date of Issuance: 06/27/18 Effective Date: 06/27/18  
 Owner: City of Coeur d'Alene, ID Owner's Contract No.:  
 Contractor: Apollo Contractor's Project No.:  
 Engineer: HDR Engineer's Project No.: 10026247  
 Project: CDA Tertiary Phase 2 Improvements Contract Name:

**Contractor is directed to proceed promptly with the following change(s):**

**Description:** Contractor shall install a new pressure transducer and required appurtenances in the SEPS wet well. Included shall be pressure transmitter, mounting bracket, conduit, wire, and appurtenances as to provide one (1) 4-20mA analog input (level) to LCP-5001. Pressure transducer shall be affixed to interior wall of SEPS wet well basin, above floor, with stainless steel kellems grips near grade to provide sufficient slack loop for maintenance. Install water-tight splice in wet well with one (1) #16 TSP and one (1) #16 AWG GND, from manufacturer cable. Install 1" PVC-40 (below grade) and 80 (above grade) from wet well to LCP-5001 with coordination of routing with Engineer. Where applicable, combine signal conduits with existing routed to LCP-5001. Install and terminate TSP from transducer onto terminals allocated for Rack 5, Slot 5, Channel 7. See specification and control panel drawing attached.

**Attachments:**

1) LCP-5001 R5S5 CH 7

**Purpose for Work Change Directive:**

Directive to proceed promptly with the Work described herein, prior to agreeing to changes on Contract Price and Contract Time, is issued due to:

- Non-agreement on pricing of proposed change.  
 Necessity to proceed for schedule or other Project reasons.


**Estimated Change in Contract Price and Contract Times (non-binding, preliminary):**

Contract Price \$ TBD increase  
 Contract Time 0 days

**Basis of estimated change in Contract Price:**

- Lump Sum  Unit Price  
 Cost of the Work  Other

**RECOMMENDED:****AUTHORIZED BY:****RECEIVED:**

By:   
 Engineer (Authorized Signature)

By:   
 Owner (Authorized Signature)

By:   
 Contractor (Authorized Signature)

Title: Project Manager

Title: Cap. Program MGR.

Title: VP

Date: 06/27/18

Date: 6-27-2018

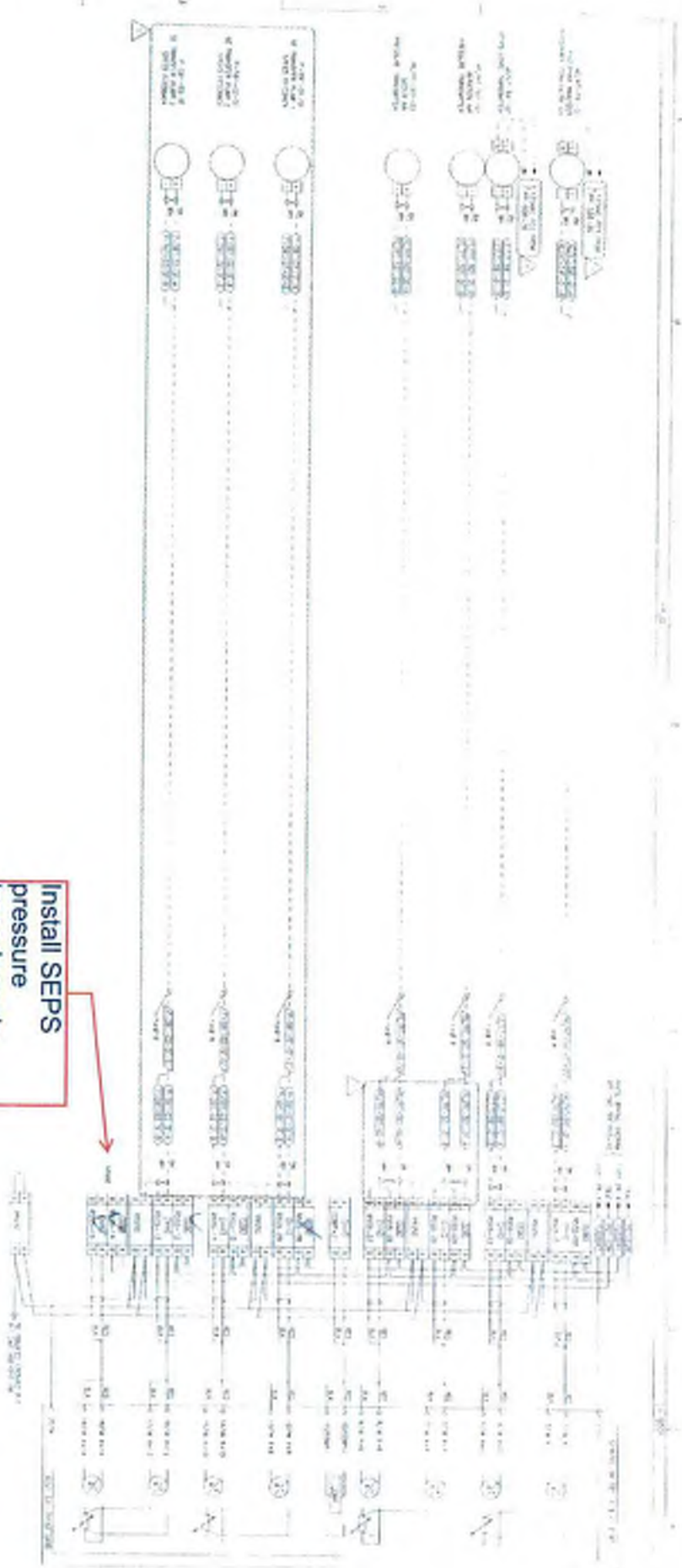
Date: 7/5/18

A. Submersible Level Sensor and Transmitter:

1. Acceptable manufacturers:
  - a. American Sensor Technologies (AST) (Models 4500/4510).
  - b. Emerson Mobrey (9700).
  - c. Endress + Hauser (*Waterpilot* FMX21).
  - d. GE Druck (Series 1830/1840).
  - e. In-Situ (PXD-261/461).
  - f. Measurement Specialties (KPSI).
2. Specifications:
  - a. General:
    - 1) Measurement Principle: Differential-pressure (hydrostatic) based on the height of the liquid head with the use an integrated strain gauge or Ceramic Capacitive Sensor (CCS).
      - a) Open (to atmosphere).
      - b) Fully submersible.
      - c) Vented cable.
    - 2) Minimum/Maximum Span: 1 to 100 PSIG (2.31 to 230.67 FT).
    - 3) Accuracy:  $\pm 0.25$  PCT of span.
  - b. Process Connection:
    - 1) None: Mount vertically at the bottom of tank.
  - c. Display and Configuration:
    - 1) Output variables: Pressure (converted to level).
    - 2) Output Units: psi (feet).
  - d. Electrical:
    - 1) Signal Power: Loop-powered, 2-wire, 24 VDC.
    - 2) Current Output: Analog 4-20 Ma into a 600 ohm loop.
    - 3) Cable entry: 1/4 IN NPT connection to attached jacketed cable.
  - e. Materials of Construction:
    - 1) Probe: 316SS, Viton, Titanium.
    - 2) Cable: Hytrel, FEP, HDPE
  - f. Environment:
    - 1) Ambient Temperature: -40 to 212 DEGF (-40 to 1000 DEGC).
    - 2) Humidity: Up to 100 PCT, non-condensing.
    - 3) Process Temperature: -4 to 104 DEGF (-20 to 60 DEGC).
    - 4) Process Pressure: 0 to 35 PSIG.
3. Schedule:

TAG NUMBER	SERVICE	RANGE	AREA CLASSIFICATION
LE/LIT-591-02	SEPS Wet Well Level	0-15 FT	None

Install SEPS  
pressure  
transducer in  
Rack 5, Slot 5,  
Channel 7.



PROJECT NO.	DATE	BY	SCALE	REVISIONS
<p>QUALITEQ</p> <p>12/15/95</p> <p>PROFESSIONAL ENGINEER REGISTERED STATE OF CALIFORNIA NO. 45822 DANIEL J. WOOD</p>				



**/// BUILDING PEOPLE WHO BUILD GREAT THINGS**

**Work Change Directive**  
**Project: City of Coeur d'Alene Tertiary Treatment Phase 2**  
**Apollo Inc.**

**WCD No:** 30

**Date:** 01/15/19

Description	Labor	Mat	Equip.	Subcont. Total	Supp Total	Total
SEPS Pressure Transducer	\$ 389.99	\$ -	\$ -	\$ 3,500.22	\$ -	\$ 3,890.21
<b>SUBTOTAL COST &gt;</b>						<b>\$ 3,890.21</b>
Insurance Premium .5% - Changed Work >						\$ 19.45
Bond Premium .75% - Changed Work >						\$ 29.18
<b>TOTAL LUMP SUM COST &gt;</b>						<b>\$ 3,938.83</b>



Work Change Directive  
 Project: City of Coeur d'Alene Tertiary Treatment Phase 2  
 Apollo Inc.

WCD No: 30  
 Item No: 1  
 Date: 1/15/19

Item Description: SEPS Pressure Transducer

Description	Qty	U of M	Rate	Labor	Unit	Rate	Mat	Unit	Rate	Equip.	Subcont. Total	Total
<b>APOLLO - PROJECT SUPERVISION COSTS</b>												
Project Manager	2.0	HR	\$ 90.00	\$ 180.00								\$ 180.00
Project Superintendent	2.0	HR	\$ 79.56	\$ 159.12								\$ 159.12
Site Civil Superintendent	0.0	HR	\$ 68.08	\$ -								\$ -
Apollo - Subtotal Direct Costs >				\$ 339.12			\$ -			\$ -		\$ 339.12
Markup on Self-Performed Labor, Mat'ls & Equipment >	15.0%			\$ 50.87			\$ -			\$ -		\$ 50.87
<b>SUBCONTRACTOR COSTS</b>												
Mountain States	1										\$ 3,333.54	\$ 3,333.54
											\$ -	\$ -
Subtotal Subcontractors Costs >											\$ 3,333.54	\$ 3,333.54
Markup on Subcontractor Costs >	5.0%										\$ 166.68	\$ 166.68

<b>Contractor - Total Direct Costs w/Markup &gt;</b>	<b>\$ 3,890.21</b>
Insurance Premium .5% - Changed Work >	\$ 19.45
Bond Premium .75% - Changed Work >	\$ 29.18
<b>TOTAL LUMP SUM COST &gt;</b>	<b>\$ 3,938.83</b>



**TIME and MATERIAL COST**

Request No: 29

To: CITY OF CDA - WWTP

Date Of Proposal: 1/14/2019

Job #: 17-010

Regarding: WCD-030

Job Name: CDA TERITARY TREATMENT PHASE 2

Attention: \_\_\_\_\_

Work To Be Done:

PER WCD-030  
SUPPLY AND INSTALL ADDED PRESSURE TRANSDUCER AT SEPS WET WELL

**LABOR CLASSIFICATION**

	<u>RATES</u>			<u>HOURS</u>			<u>EXTENDED</u>
	STRAIGHT	OVERTIME	DBL TIME	STRAIGHT	OVERTIME	DOUBLE TIME	
FOREMAN	\$ 70.99	\$ 95.14	\$ 119.29	22.00			\$ 1,561.78
JOURNEYMAN	\$ 66.50	\$ 88.47	\$ 110.40				\$ -
APPRENTICE	\$ 41.14	\$ 64.50	\$ 90.55	7.00			\$ 287.98
PROJECT MANAGER	\$ 85.00						\$ -
<b>LABOR SUB TOTAL</b>							<b>\$ 1,849.76</b>

**EQUIPMENT**

COST + 15%	<u>RATES</u>				<u>EXTENDED</u>
	HOUR	DAY	WEEK	MONTH	
<b>TOOL SUB TOTAL</b>					<b>\$ -</b>

**MATERIAL**

COST + 15%	<u>EXTENDED</u>	
PVC, J-BOX, WIRE, SUPPORTS	\$ 523.29	
<b>MATERIAL SUB TOTAL</b>		<b>\$ 601.78</b>

**SUB-CONTRACTOR**

COST + 5%	<u>EXTENDED</u>	
CONTROL FREEK	\$ 840.00	
<b>SUB-CONTRACTOR SUB TOTAL</b>		<b>\$ 882.00</b>

**Total Proposed Change Order price: \$ 3,333.54**

Submitted By: DAVE PERRINS, Project Manager Date: 1/14/2019

Approved By: \_\_\_\_\_ Date: \_\_\_\_\_

Title \_\_\_\_\_

<b>Report selections:</b>	<b>Job:</b> 17010	<b>Superintendent:</b> ALL	<b>From transaction date:</b> Inception
	<b>Phase:</b> CO029	<b>Estimator:</b> ALL	<b>To transaction date:</b> 01/14/19
	<b>Employee:</b> ALL	<b>Project manager:</b> ALL	
	<b>Job status:</b> Active	<b>Division:</b> ALL	

**MOUNTAIN STATES ELECTRICAL  
Expanded Payroll Hours Analysis Report  
Phase Detail**

Job: 17010 CDA TERTIARY TREATMENT

Employee Code	Employee Name	Hours					Earnings					Burden Total
		Regular	Overtime	Double time	Other	Total	Regular	Overtime	Double time	Other	Total	
CO-029	WCD-030 SEPS ADDED TRANSD											
JUDADA	ADAM T JUDGE	7.00				7.00						
MCCPET	PETE MCCLURE	22.00				22.00						
<b>Total for phase: CO-029</b>		<b>29.00</b>	<b>0.00</b>	<b>0.00</b>	<b>0.00</b>	<b>29.00</b>						
<b>Total for job: 17010</b>		<b>29.00</b>	<b>0.00</b>	<b>0.00</b>	<b>0.00</b>	<b>29.00</b>						
<b>Report totals:</b>		<b>29.00</b>	<b>0.00</b>	<b>0.00</b>	<b>0.00</b>	<b>29.00</b>						



WCD 031

EXTERIOR LIGHTING AT SCB2





January 29, 2019

Apollo, Inc.  
1133 West Columbia Drive  
Kennewick, WA 99336

Attn: Amy Jenne

Re: Coeur d'Alene Tertiary Treatment Phase 2 project  
WCD 031 – SCB2 Exterior Lights  
Engineer's Decision

Amy,

We have reviewed your cost proposal for WCD 031 – SCB2 Exterior Lights. We have found your submitted cost proposal to be acceptable.

A total cost of \$1,712.67 and a total of 0 calendar days will be included in the forthcoming final Change Order.

Sincerely,  
HDR Engineering, Inc.

A handwritten signature in blue ink, appearing to read 'Todd Jensen'.

Todd Jensen, PE, CCM  
*Construction Manager*

cc: Jim Remitz – City of Coeur d'Alene Wastewater Department  
Rickey Schultz – HDR  
Mike Soucie – HDR  
Mary Scalise – HDR

Date of Issuance: 7/23/18 Effective Date: 7/23/18  
 Owner: City of Coeur d'Alene, ID Owner's Contract No.:  
 Contractor: Apollo Contractor's Project No.:  
 Engineer: HDR Engineer's Project No.: 10026247  
 Project: CDA Tertiary Phase 2 Improvements Contract Name:

**Contractor is directed to proceed promptly with the following change(s):**Description: Exterior Lighting at SCB2:

- 1) Please relocate three exterior lighting fixtures as shown on the attached drawing, Sheet 501A401, North and West elevations.
- 2) Provide additional lighting fixture as noted on the attached drawing, Sheet 501A401, South elevation.
  - a) Wall pack will be Type 3 as approved in Submittal 26 50 00-001 Lighting and will match lighting used on the rest of the building.
  - b) Light fixture shall be controlled via light switch indicated "3 b" inside Secondary Control Building 2, power circuit PP-511-3.

Attachments:

- 1) JC Wright Lighting Wall Pack
- 2) Drawing 501A401

**Purpose for Work Change Directive:**

Directive to proceed promptly with the Work described herein, prior to agreeing to changes on Contract Price and Contract Time, is issued due to:

- Non-agreement on pricing of proposed change.  
 Necessity to proceed for schedule or other Project reasons.

**Estimated Change in Contract Price and Contract Times (non-binding, preliminary):**

Contract Price \$ TBD increase  
 Contract Time 0 days

**Basis of estimated change in Contract Price:**

- Lump Sum  Unit Price  
 Cost of the Work  Other

**RECOMMENDED:****AUTHORIZED BY:****RECEIVED:**

By: 

By: 

By: 

Title: Project Manager

Title: Cap. Program MGR

Title: VP

Date: 07/23/18

Date: 7-23-2018

Date: 7/30/18



# Project: CITY OF CDA ADVANCE WASTEWATER TREATMENT FACILITY

Contents - March 28, 2017



Type	Factory	Description
1	Lithonia Lighting	DMW 2 54T5HO MVOLT GEB10PS90
3	Lithonia Lighting	DSXW1 100 700 40K T8M 120 PE DDBXD
4	Rig-A-Lite	SXPJ 09 L2 U G W SR40A
4A	Rig-A-Lite	SXPJ 09 L2 U G P
7	Luminis	MA10-L3W30R1-R4-***-BZT-PDA/PAA416-BZT
X1	BGH	FTZ-G-1242W-LR1U-2MR16-103WW
X2	BGH	BRV-12-42-LED-MR16-5W-NC-12V





**/// BUILDING PEOPLE WHO BUILD GREAT THINGS**

**Work Change Directive**  
**Project: City of Coeur d'Alene Tertiary Treatment Phase 2**  
**Apollo Inc.**

**WCD No:** 31

**Date:** 01/07/19

Description	Labor	Mat	Equip.	Subcont. Total	Supp Total	Total
SCB2 Exterior Lights	\$ 286.49	\$ -	\$ 120.75	\$ 1,284.29	\$ -	\$ 1,691.52
<b>SUBTOTAL COST &gt;</b>						<b>\$ 1,691.52</b>
Insurance Premium .5% - Changed Work >						\$ 8.46
Bond Premium .75% - Changed Work >						\$ 12.69
<b>TOTAL LUMP SUM COST &gt;</b>						<b>\$ 1,712.67</b>



Work Change Directive  
 Project: City of Coeur d'Alene Tertiary Treatment Phase 2  
 Apollo Inc.

WCD No: 31  
 Item No: 1  
 Date: 1/7/19

Item Description: SCB2 Exterior Lights

Description	Qty	U of M	Rate	Labor	Unit	Rate	Mat	Unit	Rate	Equip.	Subcont. Total	Total
<b>APOLLO - PROJECT SUPERVISION COSTS</b>												
Project Manager	1.0	HR	\$ 90.00	\$ 90.00								\$ 90.00
Project Superintendent	2.0	HR	\$ 79.56	\$ 159.12								\$ 159.12
Site Civil Superintendent	0.0	HR	\$ 68.08	\$ -								\$ -
<b>APOLLO - CRAFT LABOR COSTS</b>												
<b>Carpenters</b>												
Carpenter	0.0	HR	\$ 38.37	\$ -								\$ -
<b>APOLLO - OTHER EQUIPMENT COSTS</b>												
Boom Lift	7.0							HR	\$ 15.00	\$ 105.00		\$ 105.00
								LS		\$ -		\$ -
										\$ -		\$ -
Apollo - Subtotal Direct Costs >				\$ 249.12			\$ -			\$ 105.00		\$ 354.12
Markup on Self-Performed Labor, Mat's & Equipment >	15.0%			\$ 37.37			\$ -			\$ 15.75		\$ 53.12
<b>SUBCONTRACTOR COSTS</b>												
Mountain States Electric	1										\$ 1,223.13	\$ 1,223.13
											\$ -	\$ -
Subtotal Subcontractors Costs >											\$ 1,223.13	\$ 1,223.13
Markup on Subcontractor Costs >	5.0%										\$ 61.16	\$ 61.16

**Contractor - Total Direct Costs w/Markup > \$ 1,691.52**

Insurance Premium .5% - Changed Work > \$ 8.46

Bond Premium .75% - Changed Work > \$ 12.69

**TOTAL LUMP SUM COST > \$ 1,712.67**



**TIME and MATERIAL COST**

Request No: 32

To: CITY OF CDA - WWTP

Date Of Proposal: 1/4/2019

Job #: 17-010

Regarding: WCD-031

Job Name: CDA TERITARY TREATMENT PHASE 2

Attention: \_\_\_\_\_

Work To Be Done:

PER WCD-033 - SUPPLY AND INSTALL ADDITIONAL LIGHT FIXTURE AT SCB-2

**LABOR CLASSIFICATION**

	<u>RATES</u>			<u>HOURS</u>			<u>EXTENDED</u>
	STRAIGHT	OVERTIME	DBL TIME	STRAIGHT	OVERTIME	DOUBLE TIME	
FOREMAN	\$ 70.99	\$ 95.14	\$ 119.29	7.00			\$ 496.93
JOURNEYMAN	\$ 66.50	\$ 88.47	\$ 110.40				\$ -
APPRENTICE	\$ 41.14	\$ 64.50	\$ 90.55				\$ -
PROJECT MANAGER	\$ 85.00						\$ -

LABOR SUB TOTAL \$ **496.93**

**EQUIPMENT**

COST + 15%	<u>RATES</u>				QUANTITY	<u>EXTENDED</u>
	HOUR	DAY	WEEK	MONTH		

TOOL SUB TOTAL \$ -

**MATERIAL**

COST + 15%	<u>EXTENDED</u>
LIGHT FIXTURE, CONDUIT, WIRE	\$ 631.48

MATERIAL SUB TOTAL \$ **726.20**

**SUB-CONTRACTOR**

COST + 5%	<u>EXTENDED</u>

SUB-CONTRACTOR SUB TOTAL \$ -

**Total Proposed Change Order price: \$ 1,223.13**

Submitted By: DAVE PERRINS, Project Manager Date: 1/4/2019

Approved By: \_\_\_\_\_ Date: \_\_\_\_\_

Title \_\_\_\_\_

<b>Report selections:</b>	<b>Job:</b> 17010	<b>Superintendent:</b> ALL	<b>From transaction date:</b> Inception
	<b>Phase:</b> CO032	<b>Estimator:</b> ALL	<b>To transaction date:</b> 01/03/19
	<b>Employee:</b> ALL	<b>Project manager:</b> ALL	
	<b>Job status:</b> Active	<b>Division:</b> ALL	

**MOUNTAIN STATES ELECTRICAL  
Payroll Hours Analysis Report  
Phase Detail**

Job: 17010      GDA TERTIARY TREATMENT

Employee Code	Employee Name	Hours			Earnings			Burden Total
		Regular	Overtime	Total	Regular	Overtime	Total	
CO-032	WCD-031 SCB-2 ADDED LIGHT							
MCCPET	PETE MCCLURE	7.00		7.00				
<b>Total for phase: CO-032</b>		<b>7.00</b>	<b>0.00</b>	<b>7.00</b>				
<b>Total for job: 17010</b>		<b>7.00</b>	<b>0.00</b>	<b>7.00</b>				
<b>Report totals:</b>		<b>7.00</b>	<b>0.00</b>	<b>7.00</b>				

WCD 032

SQUARE D MCC BUCKET MODIFICATION



December 4, 2018

Apollo, Inc.  
1133 West Columbia Drive  
Kennewick, WA 99336

Attn: Amy Jenne

Re: Coeur d'Alene Tertiary Treatment Phase 2 project  
WCD 032 – Square D MCC Bucket Modification  
Engineer's Decision

Amy,

We have reviewed your cost proposal for WCD 032 – Square D MCC Bucket Modification. We have found your submitted cost proposal to be acceptable.

A total cost of \$10,023.51 and a total of 0 calendar days will be included in the forthcoming final Change Order.

Sincerely,  
HDR Engineering, Inc.

A handwritten signature in blue ink, appearing to read 'Todd Jensen'.

Todd Jensen, PE, CCM  
*Construction Manager*

cc: Jim Remitz – City of Coeur d'Alene Wastewater Department  
Rickey Schultz – HDR  
Mike Soucie – HDR  
Mary Scalise – HDR



Work Change Directive No. 32

Date of Issuance: 06/29/18                      Effective Date: 06/29/18  
 Owner: City of Coeur d'Alene, ID              Owner's Contract No.:  
 Contractor: Apollo                                  Contractor's Project No.:  
 Engineer: HDR                                      Engineer's Project No.: 10026247  
 Project: CDA Tertiary Phase 2 Improvements    Contract Name:

**Contractor is directed to proceed promptly with the following change(s):**

Description: Provide modifications to Square D Model 4 MCC buckets in order that they meet the performance requirements as provided in the response to RFI 055 and be installed in the existing MCC.

Attachments:

- 1) Apollo Request for WCD

**Purpose for Work Change Directive:**

Directive to proceed promptly with the Work described herein, prior to agreeing to changes on Contract Price and Contract Time, is issued due to:

- Non-agreement on pricing of proposed change.
- Necessity to proceed for schedule or other Project reasons.

**Estimated Change in Contract Price and Contract Times (non-binding, preliminary):**

Contract Price    \$ TBD    increase  
 Contract Time    0    days

**Basis of estimated change in Contract Price:**

- Lump Sum     Unit Price
- Cost of the Work                                       Other

**RECOMMENDED:**

**AUTHORIZED BY:**

**RECEIVED:**

By:   
 \_\_\_\_\_  
 Engineer (Authorized Signature)

By:   
 \_\_\_\_\_  
 Owner (Authorized Signature)

By:   
 \_\_\_\_\_  
 Contractor (Authorized Signature)

Title: Project Manager  
 Date: 06/29/18

Title: *Cap. Program Mgr.*  
 Date: *6-29-2018*

Title: *VP*  
 Date: *7/5/18*



**/// BUILDING PEOPLE WHO BUILD GREAT THINGS**

**Work Change Directive**  
 Project: City of Coeur d'Alene Tertiary Treatment Phase 2  
 Apollo Inc.

WCD No: 32

Date: 11/30/18

Description	Labor	Mat	Equip.	Subcont. Total	Supp Total	Total
Square D Buckets	\$ 1,010.99	\$ -	\$ -	\$ 8,888.78	\$ -	\$ 9,899.76
<b>SUBTOTAL COST &gt;</b>						<b>\$ 9,899.76</b>
Insurance Premium .5% - Changed Work >						\$ 49.50
Bond Premium .75% - Changed Work >						\$ 74.25
<b>TOTAL LUMP SUM COST &gt;</b>						<b>\$ 10,023.51</b>

Work Change Directive  
 Project: City of Coeur d'Alene Tertiary Treatment Phase 2  
 Apollo Inc.

WCD No: 32  
 Item No: 1  
 Date: 11/30/18

Item Description: Rewire Square D buckets per RFI 55

Description	Qty	U of M	Rate	Labor	Unit	Rate	Mat	Unit	Rate	Equip.	Subcont. Total	Total
<b>APOLLO - PROJECT SUPERVISION COSTS</b>												
Project Manager	8.0	HR	\$ 90.00	\$ 720.00								\$ 720.00
Project Superintendent	2.0	HR	\$ 79.56	\$ 159.12								\$ 159.12
Site Civil Superintendent	0.0	HR	\$ 68.08	\$ -								\$ -
<b>APOLLO - CRAFT LABOR COSTS</b>												
Apollo - Subtotal Direct Costs >				\$ 879.12			\$ -			\$ -		\$ 879.12
Markup on Self-Performed Labor, Mat'ls & Equipment >	15.0%			\$ 131.87			\$ -			\$ -		\$ 131.87
<b>SUBCONTRACTOR COSTS</b>												
Mountain States Electric	1										\$ 8,465.50	\$ 8,465.50
											\$ -	\$ -
Subtotal Subcontractors Costs >											\$ 8,465.50	\$ 8,465.50
Markup on Subcontractor Costs >	5.0%										\$ 423.28	\$ 423.28
<b>SUPPLEMENTAL COSTS</b>												
Special Consultants											\$ -	\$ -
Subsistence for Project Supervision					HR	\$ 11.25	\$ -					\$ -
Temporary Facilities at the Site					LS		\$ -					\$ -
Small Tools	0.0				LS	\$ -	\$ -					\$ -
Subtotal Supplementary Costs >							\$ -				\$ -	\$ -
Markup on Supplementary Costs >	0.0											

Contractor - Total Direct Costs w/Markup >	\$ 9,899.76
Insurance Premium .5% - Changed Work >	\$ 49.50
Bond Premium .75% - Changed Work >	\$ 74.25
<b>TOTAL LUMP SUM COST &gt;</b>	<b>\$ 10,023.51</b>





INSTRUMENTATION AND INDUSTRIAL CONTROL PANELS  
P.O. Box 142192  
SPOKANE VALLEY, WA 99214

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## CdA WWTP Tertiary Treatment Phase 2 Project

ATTN: Dave Perrins  
Mountain States Electric  
Phone: 509-532-0110  
[dave@mtnst.com](mailto:dave@mtnst.com)

### **This bid includes the following scope of work:**

- (4) SquareD Motor Control Bucket Modifications
  - Add Pilot Devices, Terminals, Starter Accessories, per supplied drawings
  - CAD Drawings

### **Not included:**

- Installation of provided equipment
- Startup

### **NO Sales Tax Included**

**Terms:** NET 30 days from invoice date

**Lead Time:** 2 weeks after approved submittals, Subject to parts availability

**Warranty Period:** 1 Year from Delivery for Parts and Labor

**Service Charge:** If Buyer fails to make any payment when due, ControlFreek Inc reserves the right to suspend performance and Buyer agrees to pay a service charge on the amount past due at the rate of **1.5% per month** (18% per year).

**Non-Payment:** Buyer further agrees that, in the event ControlFreek Inc must refer Buyer's account for collection, Buyer will pay all costs of collection, service charges, attorney fees or other costs incurred by ControlFreek Inc in the course of collection, litigation or in any related action.

**Quote Valid for 60 Days from Bid Date.**

**Project Total Price \$7,690.00**

Thank you for this opportunity,

Adam Snyder  
Project Manager/Owner  
ControlFreek Inc.  
509-290-6500  
Fax: 866-381-3007



WCD 033

SC1 ELECTRICAL VAULT



August 5, 2019

Apollo, Inc.  
1133 West Columbia Drive  
Kennewick, WA 99336

Attn: Amy Jenne

Re: Coeur d'Alene Tertiary Treatment Phase 2 Project  
WCD 033 – Electrical Vault  
Engineer's Decision

Amy,

We have reviewed your cost proposal for WCD 033 – Electrical Vault. We have found your submitted cost proposal to be acceptable.

A total cost of \$3,870.50 and a total of 0 calendar days will be included in the forthcoming final Change Order.

Sincerely,  
HDR Engineering, Inc.

A handwritten signature in blue ink, appearing to read 'Todd Jensen'.

Todd Jensen, PE, CCM  
*Construction Manager*

cc: Mike Anderson – City of Coeur d'Alene Wastewater Department  
Rickey Schultz – HDR  
Mike Soucie – HDR  
Mary Scalise – HDR



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**Work Change Directive**  
**Project: City of Coeur d'Alene Tertiary Treatment Phase 2**  
**Apollo Inc.**

**WCD No:** 33 Rev1

**Date:** 07/11/19

Description	Labor	Mat	Equip.	Subcont. Total	Supp Total	Total
SC1 Electrical Vault	\$ 1,996.19	\$ -	\$ 1,209.09	\$ 447.24	\$ 170.20	\$ 3,822.72
<b>SUBTOTAL COST &gt;</b>						<b>\$ 3,822.72</b>
Insurance Premium .5% - Changed Work >						\$ 19.11
Bond Premium .75% - Changed Work >						\$ 28.67
<b>TOTAL LUMP SUM COST &gt;</b>						<b>\$ 3,870.50</b>

Work Change Directive  
 Project: City of Coeur d'Alene Tertiary Treatment Phase 2  
 Apollo Inc.

WCD No: 33 Rev1  
 Item No: 1  
 Date: 7/11/19

Item Description: SC1 Electrical Vault

Description	Qty	U of M	Rate	Labor	Unit	Rate	Mat	Unit	Rate	Equip.	Subcont. Total	Total
<b>APOLLO - PROJECT SUPERVISION COSTS</b>												
Project Manager	4.0	HR	\$ 90.00	\$ 360.00								\$ 360.00
Site Civil Superintendent	9.5	HR	\$ 68.08	\$ 646.76								\$ 646.76
<b>APOLLO - CRAFT LABOR COSTS</b>												
<b>Carpenters</b>												
Carpenter	3.0	HR	\$ 38.37	\$ 115.11								\$ 115.11
<b>Laborers</b>												
Forman	9.5	HR	\$ 37.50	\$ 356.25								\$ 356.25
Pipelayer	7.5	HR	\$ 34.36	\$ 257.70								\$ 257.70
<b>APOLLO - OPERATED EQUIPMENT</b>												
<b>Excavator - CAT 303</b>												
+ Operator		HR	\$ 45.84	\$ -								\$ -
+ Operating Costs	2.0							HRLY	\$ 19.42	\$ 38.84		\$ 38.84
<b>Excavator - CAT 312C L</b>												
+ Operator	0.0	HR	\$ 45.84	\$ -								\$ -
+ Operating Costs	3.0							HRLY	\$ 50.93	\$ 152.79		\$ 152.79
<b>Excavator - CAT 330CL</b>												
+ Operator	0.0	HR	\$ 45.84	\$ -								\$ -
+ Operating Costs	3.0							HRLY	\$ 122.39	\$ 367.17		\$ 367.17
<b>Forklift - CAT TH83</b>												
+ Operator		HR	\$ 45.84	\$ -								\$ -
+ Operating Costs	2.0							HRLY	\$ 39.59	\$ 79.18		\$ 79.18
<b>Loader - CAT 950H</b>												
+ Operator	0.0	HR	\$ 45.84	\$ -								\$ -
+ Operating Costs	3.0							HRLY	\$ 73.23	\$ 219.69		\$ 219.69
<b>On-Highway Rear Dumps</b>												
+ Operator	0.0	HR	\$ 34.42	\$ -								\$ -
+ Operating Costs	3.0							HRLY	\$ 64.57	\$ 193.71		\$ 193.71
<b>APOLLO - OTHER EQUIPMENT COSTS</b>												
Boom Lift	0.0							HR	\$ 15.00	\$ -		\$ -
								LS		\$ -		\$ -
										\$ -		\$ -
<b>APOLLO - MATERIAL COSTS</b>												
					LS	\$ 80.00	\$ -					\$ -
							\$ -					\$ -
							\$ -					\$ -
Apollo - Subtotal Direct Costs >				\$ 1,735.82			\$ -			\$ 1,051.38		\$ 2,787.20
Markup on Self-Performed Labor, Mat'ls & Equipment >	15.0%			\$ 260.37			\$ -			\$ 157.71		\$ 418.08
<b>SUBCONTRACTOR COSTS</b>												
Mountain States Electric	1										\$ 425.94	\$ 425.94
											\$ -	\$ -
Subtotal Subcontractors Costs >											\$ 425.94	\$ 425.94
Markup on Subcontractor Costs >	5.0%										\$ 21.30	\$ 21.30
<b>SUPPLEMENTAL COSTS</b>												
Special Consultants											\$ -	\$ -
Subsistence for Project Supervision	10.5				HR	\$ 11.25	\$ 118.13					\$ 118.13
Temporary Facilities at the Site					LS		\$ -					\$ -
Small Tools	1.0				LS	\$ 52.07	\$ 52.07					\$ 52.07
Subtotal Supplementary Costs >							\$ 170.20				\$ -	\$ 170.20
Markup on Supplementary Costs >	0.0											\$ -

<b>Contractor - Total Direct Costs w/Markup &gt;</b>	<b>\$ 3,822.72</b>
Insurance Premium .5% - Changed Work >	\$ 19.11
Bond Premium .75% - Changed Work >	\$ 28.67
<b>TOTAL LUMP SUM COST &gt;</b>	<b>\$ 3,870.50</b>

Email 7/6/18 Elec Vault

1/8



WCO 33  
...Building People Who Build Great Things

Daily Report of Force Account Worked

Contract Number	Date 7-10-18	Item Number	Item Name
Prime Contractor		Subcontractor / Lower Tier Subcontractor	
Line / Station	Group	Basis of Material Acceptance	RAMS Number
Description of Work Performed WORK AROUND ELECTRICAL VAULT AT SC#1 FOR S.E.S. SEE P. 205			

Time Worked Record

	Workers and/or Equipment Working	Occupation of Workers or Equipment Size	Hours Worked		Reg. Rate	O.T. Rate	Amount
			Reg.	O.T.			
1	CHRIS JENNE	312 / SUPER	1.5				
2	CHRIS BOLTON	P. WYER / SUPER	1.5				
3	WYLLIE JENNE	LABOR	1.5				
4	312	STAND BY ADD	1.5				
5	330	" STAND BY					
6	950	" "					
7	DUMP TRUCK	" "					
8							
9							
10							
11							
12							
13							
14							
15							
16							
17							
18							
19							
20							

Calculated By	Date	Checked By	Date	Total
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Ledger Entry Number	Entered By	Date	Entry Verified	Date
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Inspector's Signature <i>Mike Somers</i>	Contractor's Representative Signature	Title
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5-26-2019





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### Daily Report of Force Account Worked

Contract Number	Date <b>7-11-18</b>	Item Number	Item Name
Prime Contractor		Subcontractor / Lower Tier Subcontractor	
Line / Station	Group	Basis of Material Acceptance	RAMS Number
Description of Work Performed <b>WORK AROUND ELECTRICAL AT SC#1 FOR RELOCATE OF 500V<sup>265</sup> 4" WSS 3" 2 W</b>			

Time Worked Record							
	Workers and/or Equipment Working	Occupation of Workers or Equipment Size	Hours Worked		Reg. Rate	O.T. Rate	Amount
			Reg.	O.T.			
1	CRAIG JENNE	303 / SUPER	2				
2	CHRIS BOLTEN	PLAyer / SUPER	2				
3	WYLLIE JENNE	LABOR	2				
4	303		2				
5	330	STANDBY					
6	950	" "					
7	DUMPTON	" "					
8	312	" "					
9							
10							
11							
12							
13							
14							
15							
16							
17							
18							
19							
20							

Calculated By	Date	Checked By	Date	Total
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Ledger Entry Number	Entered By	Date	Entry Verified	Date
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Inspector's Signature <i>Anthony Service</i>	Contractor's Representative Signature	Title
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3/4



...Building People Who Build Great Things

Daily Report of Force Account Worked

Contract Number	Date 7-13-18	Item Number	Item Name
Prime Contractor		Subcontractor / Lower Tier Subcontractor	
Line / Station	Group	Basis of Material Acceptance	RAMS Number
Description of Work Performed DEMO EXISTING DUCT BANK AT SC#1 FOR S.E.S. EXCAVATION			

Time Worked Record

	Workers and/or Equipment Working	Occupation of Workers or Equipment Size	Hours Worked		Reg. Rate	O.T. Rate	Amount
			Reg.	O.T.			
1	CRAIG JENNE	312 / SUPER	4				
2	WYLLIE JENNE	LABOR	4				
3	312	STANDBY	4				
4	330	" "					
5	950	" "					
6	DUMP TRUCK	" "					
7	303	" "					
8							
9							
10							
11							
12							
13							
14							
15							
16							
17							
18							
19							
20							

Calculated By	Date	Checked By	Date	Total
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Ledger Entry Number	Entered By	Date	Entry Verified	Date
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Inspector's Signature <i>Mike Service</i>	Contractor's Representative Signature	Title
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49



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## Daily Report of Force Account Worked

Contract Number	Date 12-11-18	Item Number	Item Name
Prime Contractor		Subcontractor / Lower Tier Subcontractor	
Line / Station	Group	Basis of Material Acceptance	RAMS Number
Description of Work Performed ELECTRICAL VAULT ATSC <sup>1</sup> RELACE AND MODIFY			

## Time Worked Record

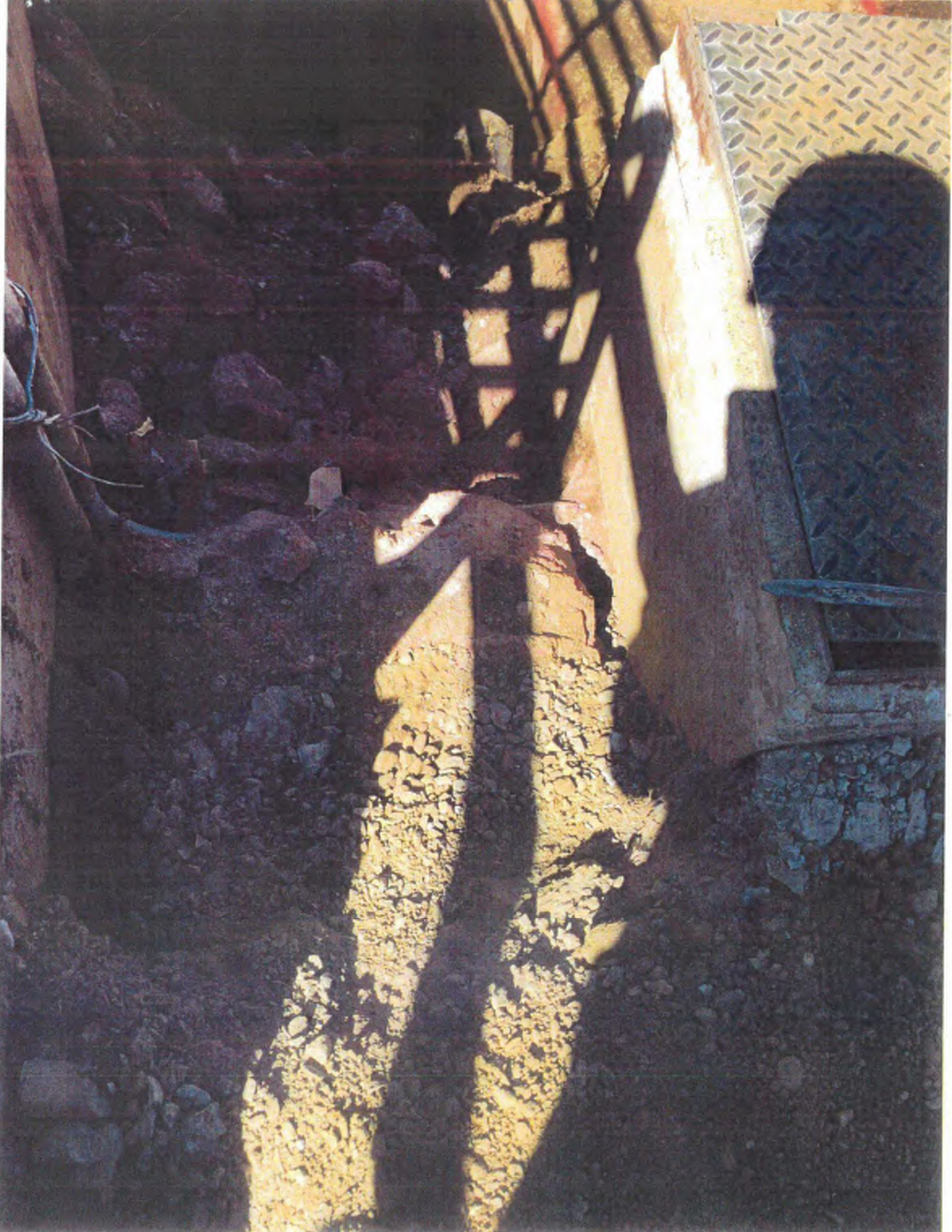
	Workers and/or Equipment Working	Occupation of Workers or Equipment Size	Hours Worked		Reg. Rate	O.T. Rate	Amount
			Reg.	O.T.			
1	CHRIS BOLLEN	SUPER	6				
2	BRIAN GREENFELDER	CARPENTER	3				
3	TONY DELAPENA	SUPER	2				
4	FURK LIFT		2				
5							
6							
7							
8							
9		INVOICE FOR					
10		VAULT					
11							
12							
13							
14							
15							
16							
17							
18							
19							
20							
Calculated By		Date	Checked By		Date	Total	

Ledger Entry Number	Entered By	Date	Entry Verified	Date
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Inspector's Signature <i>John Somcio</i>	Contractor's Representative Signature	Title
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7113118 Unidentified Edge. Vault + Duct Bank







**TIME and MATERIAL COST**

Request No: 33

To: CITY OF CDA - WWTP

Date Of Proposal: 1/4/2019

Job #: 17-010

Regarding: WCD-033

Job Name: CDA TERTIARY TREATMENT PHASE 2

Attention: \_\_\_\_\_

Work To Be Done:

PER WCD-033 - REMOVE / RELOCATE EXISTING VAULT NEAR SC # 2  
FOR EXCAVATION

**LABOR CLASSIFICATION**

	RATES			HOURS			EXTENDED
	STRAIGHT	OVERTIME	DBL TIME	STRAIGHT	OVERTIME	DOUBLE TIME	
FOREMAN	\$ 70.99	\$ 95.14	\$ 119.29	6.00			\$ 425.94
JOURNEYMAN	\$ 66.50	\$ 88.47	\$ 110.40				\$ -
APPRENTICE	\$ 41.14	\$ 64.50	\$ 90.55				\$ -
PROJECT MANAGER	\$ 85.00						\$ -
<b>LABOR SUB TOTAL</b>							<b>\$ 425.94</b>

**EQUIPMENT**

COST + 15%	RATES				QUANTITY	EXTENDED
	HOUR	DAY	WEEK	MONTH		
<b>TOOL SUB TOTAL</b>						<b>\$ -</b>

**MATERIAL**

COST + 15%	EXTENDED	
<b>MATERIAL SUB TOTAL</b>		<b>\$ -</b>

**SUB-CONTRACTOR**

COST + 5%	EXTENDED	
<b>SUB-CONTRACTOR SUB TOTAL</b>		<b>\$ -</b>

**Total Proposed Change Order price: \$ 425.94**

Submitted By: DAVE PERRINS, Project Manager Date: 1/4/2019

Approved By: \_\_\_\_\_ Date: \_\_\_\_\_

Title: \_\_\_\_\_



Report selections:	Job: 17010	Superintendent: ALL	From transaction date:	Injection:
	Phase: CO033	Estimator: ALL	To transaction date:	01/03/19
	Employee: ALL	Project manager: ALL		
	Job status: Active	Division: ALL		

**MOUNTAIN STATES ELECTRICAL  
Payroll Hours Analysis Report  
Phase Detail**

Job: 17010 CDA TERTIARY TREATMENT

Employee Code	Employee Name	Hours		Total	Earnings		Total	Burden Total
		Regular	Overtime		Regular	Overtime		
CO-033	VAULT RELOCATION							
MACPET	PETE MCCURE							
		6.00		6.00				
	Total for phase: CO-033	6.00	0.00	6.00				
	Total for job: 17010	6.00	0.00	6.00				
	Report totals:	6.00	0.00	6.00				

Date of Issuance: 07/16/18 Effective Date: 07/16/18  
 Owner: City of Coeur d'Alene, ID Owner's Contract No.:  
 Contractor: Apollo Contractor's Project No.:  
 Engineer: HDR Engineer's Project No.: 10026247  
 Project: CDA Tertiary Phase 2 Improvements Contract Name:

**Contractor is directed to proceed promptly with the following change(s):**

Description:

- 1) Remove existing electrical vault next to Secondary Clarifier #1 to allow for excavation and new construction.
- 2) Retain, support and protect wiring to maintain electrical service to Secondary Clarifier #1.
- 3) When construction is complete, provide and install new vault for existing wiring.
- 4) Discuss with Engineer if it is recommended to provide any new wiring.

Attachments:

- 1)

**Purpose for Work Change Directive:**

Directive to proceed promptly with the Work described herein, prior to agreeing to changes on Contract Price and Contract Time, is issued due to:

- Non-agreement on pricing of proposed change.  
 Necessity to proceed for schedule or other Project reasons.

**Estimated Change in Contract Price and Contract Times (non-binding, preliminary):**

Contract Price \$ TBD increase  
 Contract Time 0 days

**Basis of estimated change in Contract Price:**

- Lump Sum  Unit Price  
 Cost of the Work  Other

**RECOMMENDED:**

**AUTHORIZED BY:**

**RECEIVED:**

By: 

By: 

By: 

Engineer (Authorized Signature)

Owner (Authorized Signature)

Contractor (Authorized Signature)

Title: Project Manager

Title: Cap. Program Mgr.

Title: 

Date: 07/16/18

Date: 7-13-2018

Date: 7/16/18

WCD 034

PC2-PC3 SCUM VAULT RECOAT



November 6, 2018

Apollo, Inc.  
1133 West Columbia Drive  
Kennewick, WA 99336

Attn: Amy Jenne

Re: Coeur d'Alene Tertiary Treatment Phase 2 project  
WCD 034 – PC1 and PC2 – Delete Coating & Add Termination Cuts  
Engineer's Decision

Amy,

We have reviewed your cost proposal for WCD 034 – PC1 and PC2 – Delete Coating & Add Termination Cuts. We have found your submitted cost proposal to be acceptable.

A total cost of \$888.78 and a total of 0 calendar days will be included in the forthcoming final Change Order.

Sincerely,  
HDR Engineering, Inc.

A handwritten signature in blue ink, appearing to read 'Todd Jensen'.

Todd Jensen, PE, CCM  
*Construction Manager*

cc: Jim Remitz – City of Coeur d'Alene Wastewater Department  
Rickey Schultz – HDR  
Mike Soucie – HDR  
Mary Scalise – HDR

Date of Issuance: 09/06/2018      Effective Date: 09/06/2018  
 Owner: City of Coeur d'Alene, ID      Owner's Contract No.:  
 Contractor: Apollo      Contractor's Project No.:  
 Engineer: HDR      Engineer's Project No.: 10026247  
 Project: CDA Tertiary Phase 2 Improvements      Contract Name:

**Contractor is directed to proceed promptly with the following change(s):**

Description: PC2/PC3 Scum Vault Coating:

1) The contract work at the bottom of the vault has been previously modified to use a length of pipe in lieu of a cast concrete sump. This pipe occupies a portion of the vault that was intended to be coated. Provide a credit for the coating that will now not need to be provided.

2) Refer to Submittal 09 96 00-003A, 2.3 COATING SYSTEMS, Concrete, Environment for coating system:

*Vapor space at covered clarifiers, digesters, and similar structures. Primary enclosed clarifiers.  
 ICRI CSP5  
 218 1/16" - 1/4" Thickness  
 436 50-70 mils DFT  
 435 15-20 mils DFT.*

Attachments:

1) N/A

**Purpose for Work Change Directive:**

Directive to proceed promptly with the Work described herein, prior to agreeing to changes on Contract Price and Contract Time, is issued due to:

- Non-agreement on pricing of proposed change.
- Necessity to proceed for schedule or other Project reasons.

**Estimated Change in Contract Price and Contract Times (non-binding, preliminary):**

Contract Price \$ TBD      increase  
 Contract Time 0      days

**Basis of estimated change in Contract Price:**

- Lump Sum       Unit Price
- Cost of the Work       Other

**RECOMMENDED:**

**AUTHORIZED BY:**

**RECEIVED:**

By:   
 Engineer (Authorized Signature)

By:   
 Owner (Authorized Signature)

By:   
 Contractor (Authorized Signature)

Title: Project Manager

Title: Cap. Program Mgr.

Title: VP

Date: 09/06/18

Date: 9-7-2018

Date: 9/7/18





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**Work Change Directive**  
**Project: City of Coeur d'Alene Tertiary Treatment Phase 2**  
**Apollo Inc.**

**WCD No:** 34 Rev 3

**Date:** 10/23/18

Description	Labor	Mat	Equip.	Subcont. Total	Supp Total	Total
Delete Coating on PVC pipe & Add Termination Cuts	\$ 286.49	\$ -	\$ -	\$ 591.32	\$ -	\$ 877.81
<b>SUBTOTAL COST &gt;</b>						<b>\$ 877.81</b>
Insurance Premium .5% - Changed Work >						\$ 4.39
Bond Premium .75% - Changed Work >						\$ 6.58
<b>TOTAL LUMP SUM COST &gt;</b>						<b>\$ 888.78</b>

Work Change Directive  
 Project: City of Coeur d'Alene Tertiary Treatment Phase 2  
 Apollo Inc.

WCD No: 34 Rev 3  
 Item No: 1  
 Date: 10/23/18

Item Description: Delete coating on the PVC pipe & Add Termination Cuts @ PC1 and PC2 Scum Pumping

Description	Qty	U of M	Rate	Labor	Unit	Rate	Mat	Unit	Rate	Equip.	Subcont. Total	Total
<b>APOLLO - PROJECT SUPERVISION COSTS</b>												
Project Manager	1.0	HR	\$ 90.00	\$ 90.00								\$ 90.00
Project Superintendent	2.0	HR	\$ 79.56	\$ 159.12								\$ 159.12
Site Civil Superintendent	0.0	HR	\$ 68.08	\$ -								\$ -
<b>APOLLO - CRAFT LABOR COSTS</b>												
<b>Carpenters</b>												
Carpenter	0.0	HR	\$ 38.37	\$ -								\$ -
<b>APOLLO - OTHER EQUIPMENT COSTS</b>												
Grinder	0.0							LS	\$ 5.00	\$ -		\$ -
								LS		\$ -		\$ -
										\$ -		\$ -
<b>APOLLO - MATERIAL COSTS</b>												
V groove wheels	0.0				LS	\$ 80.00	\$ -					\$ -
							\$ -					\$ -
							\$ -					\$ -
Apollo - Subtotal Direct Costs >				\$ 249.12			\$ -			\$ -		\$ 249.12
Markup on Self-Performed Labor, Mat'ls & Equipment >	15.0%			\$ 37.37			\$ -			\$ -		\$ 37.37
<b>SUBCONTRACTOR COSTS</b>												
Extreme Coatings Deduct Coating on Pipe at PC1 and PC2	1										\$ (1,281.88)	\$ (1,281.88)
Extreme Coatings add Termination Cuts at PC1 and PC2	1.0										\$ 2,253.20	\$ 2,253.20
Apollo Credit for ECI Labor 8hrs	1.0										\$ (380.00)	\$ (380.00)
Subtotal Subcontractors Costs >											\$ 591.32	\$ 591.32
Markup on Subcontractor Costs >	0.0%										\$ -	\$ -
<b>SUPPLEMENTAL COSTS</b>												
Special Consultants											\$ -	\$ -
Subsistence for Project Supervision					HR	\$ 11.25	\$ -					\$ -
Temporary Facilities at the Site					LS		\$ -					\$ -
Small Tools	0.0				LS	\$ -	\$ -					\$ -
Subtotal Supplementary Costs >							\$ -				\$ -	\$ -
Markup on Supplementary Costs >	0.0											\$ -

<b>Contractor - Total Direct Costs w/Markup &gt;</b>	<b>\$ 877.81</b>
Insurance Premium .5% - Changed Work >	\$ 4.39
Bond Premium .75% - Changed Work >	\$ 6.58
<b>TOTAL LUMP SUM COST &gt;</b>	<b>\$ 888.78</b>

HOURLY RATE	SOCIAL SECURITY 6.2%	MEDICARE 1.45%	L&I PAINTER \$4.5421	FUTA .60%	SUTA 3.21%	SUBTOTAL	Medical \$3.03	PTO/hour	Per Diem	Travel	401k	fringe total	wage+fringe	REGULAR WEIGHTED RATE	OT WEIGHTED RATE
20	\$1.24	\$0.29	\$4.54	\$0.12	\$0.30	\$26.50	\$4.03	\$1.05	\$2.50		\$ 5.82	\$13.40	\$33.40	\$39.90	\$50.88
23.5	\$1.46	\$0.34	\$4.54	\$0.14	\$0.36	\$30.34	\$4.03	\$1.05	\$2.50		\$ 3.82	\$11.40	\$34.90	\$41.74	\$54.64
25	\$1.55	\$0.36	\$4.54	\$0.15	\$0.38	\$31.98	\$4.03	\$1.05	\$2.50		\$ 1.00	\$8.58	\$33.58	\$40.57	\$54.29
28	\$1.74	\$0.41	\$4.54	\$0.17	\$0.43	\$35.28	\$4.03	\$1.05	\$2.50		\$ 1.00	\$8.58	\$36.58	\$43.86	\$59.23
30	\$1.86	\$0.44	\$4.54	\$0.18	\$0.46	\$37.47	\$4.03	\$1.05	\$2.50		\$ 1.00	\$8.58	\$38.58	\$46.06	\$62.52
32.5	\$2.02	\$0.47	\$5.54	\$0.20	\$0.49	\$41.22	\$4.03	\$1.05	\$2.50		\$ 1.00	\$8.58	\$41.08	\$49.80	\$67.64
<b>\$33.40</b>	\$2.07	\$0.48	\$4.54	\$0.20	\$0.51	\$41.21	\$4.03	\$1.25	\$2.50		\$ 1.00	\$8.78	\$42.18	\$49.99	\$68.32
<b>\$57.69</b>	\$3.58	\$0.84	\$4.54	\$0.35	\$0.88	\$67.87	\$4.03	\$3.33	\$2.50		\$ 1.00	\$10.86	\$68.55	\$78.73	\$110.39
<b>\$33.40</b>	\$2.07	\$0.48	\$4.54	\$0.20	\$0.51	\$41.21	\$4.03	\$1.05	\$2.50			\$7.58	\$40.98	\$48.79	\$69.39
<b>\$33.40</b>	\$2.07	\$0.48	\$4.54	\$0.20	\$0.51	\$41.21	\$4.03	\$1.25	\$2.50			\$7.78	\$41.18	\$48.99	\$69.59

	FICA SUTA	FUTA	Sup Pen*.5	Med Aid	*.5, indust insurance
painter 1	\$1.95				\$4.54
Painter 2	\$2.30				\$4.54
Painter 3	\$2.44				\$4.54
Painter 4	\$2.74				\$4.54
master painter	\$2.93				\$4.54
	\$3.18				\$5.54
Jesse Supervisor 1	\$3.26				\$4.54
Russ Supervisor2	\$5.64				\$4.54
Crew	\$3.26				\$4.54
Rick/David	\$3.26				\$4.54

\$525/month x 12 months = \$6300  
6300/2080 = \$3.03 per hour  
Plus \$10.0 per hour HAS

**Vacation: \$32.50**  
\$32.50 x 80 hours = \$2600  
\$2600/2080 = \$1.25 per hour

**Vacation: \$57.69**  
\$57.69 X 120 hours = \$6923.  
\$7023/2080 = \$3.33 per hour

Note on \$33.40 Vacation Rate: We took \$33.40/40. For each 40 hours of work, we have to accrue 1.00 hour

Per Diem  
\$20 per day/8 hours - \$2.50 per hour

Labor Rates - Extreme Coatings

	HOURLY RATE	Soc. Sec. 6.2%	MEDICARE 1.45%	L&I PAINTER \$4.5421	FUTA .60%	SUTA 3.21%	sub total	Medical \$3.03	PTO/h our	Per Diem	Travel	401k	fringe total	regular time	over time
<b>Painter1</b>	<b>\$23.50</b>	<b>1.457</b>	<b>0.34075</b>	<b>4.5421</b>	<b>0.141</b>	<b>0.3572</b>	<b>\$30.34</b>	<b>4.032</b>	<b>1.05</b>	<b>0</b>	<b>0</b>	<b>\$ 3.82</b>	<b>8.902</b>	<b>\$39.24</b>	<b>\$54.64</b>
Painter2	\$25.00	1.55	0.3625	4.5421	0.15	0.38	\$31.98	4.032	1.05	0	0	\$ 1.00	6.082	\$38.07	\$54.29
Painter3	\$28.00	1.736	0.406	4.5421	0.168	0.4256	\$35.28	4.032	1.05	0	0	\$ 1.00	6.082	\$41.36	\$59.23
Painter4	\$30.00	1.86	0.435	4.5421	0.18	0.456	\$37.47	4.032	1.05	0	0	\$ 1.00	6.082	\$43.56	\$62.52
<b>Super1</b>	<b>\$32.50</b>	<b>2.015</b>	<b>0.47125</b>	<b>5.5421</b>	<b>0.195</b>	<b>0.494</b>	<b>\$41.22</b>	<b>4.032</b>	<b>1.05</b>	<b>0</b>	<b>0</b>	<b>\$ 1.00</b>	<b>6.082</b>	<b>\$47.30</b>	<b>\$67.64</b>
Super2	\$57.69	3.57678	0.836505	4.5421	0.34614	0.876888	\$67.87	4.032	3.33	0	0	\$ 1.00	8.362	\$76.23	\$110.39

**WCD #34 PC 2**

Not Coating 2' dia. Sleeve

<b>Classification</b>	<b>Rate</b>	<b>Hrs</b>	<b>Total</b>
Administration	\$ 75.00	0	\$ -
Supervisor 1	\$ 47.30	3	\$ 141.90
Painter Abrasive Blasting/Clean-up	\$ 39.24	2	\$ 78.48
Painter Application	\$ 39.24	2	\$ 78.48
Per Diem	\$ 100.00	0.875	\$ 87.50
Travel	\$ 35.00	0	\$ -

**Subtotal \$ 386.36**

<b>Equipment</b>	<b>Rate</b>	<b># of Days</b>	<b>Total</b>
Dodge Truck	\$ 96.90	0.3	\$ 29.07
IR Compressor 450 HP	\$157.00	0.3	\$ 47.10
600# Blast Pot	\$120.00	0.3	\$ 36.00
100' Blast Hose 1 1/2"	\$35.00	0.1	\$ 3.50
#8 Water Nozzle	\$32.00	0.1	\$ 3.20
100" Deadman Line	\$10.00	0.1	\$ 1.00
Blast Lights	\$70.00	0.1	\$ 7.00
MSA Blast Hood	\$85.00	0.1	\$ 8.50
Breather Pot	\$85.00	0.1	\$ 8.50
100' Breather Line	\$30.00	0.1	\$ 3.00
30' Bull Hose 2"	\$45.00	0.1	\$ 4.50
Mixer HD	\$30.00	0	\$ -
Grinder	\$23.00	0	\$ -
Ladder Extension	\$15.00	0	\$ -
TRI Pod	\$200.00	0	\$ -

**Subtotal \$ 151.37**

<b>Materials</b>	<b>Rate</b>	<b>QTY</b>	<b>Total</b>	
Tnemecc 218	\$ 76.00	0	\$ -	One kit does 75 sqft
Tnemecc 436	\$ 89.00	0	\$ -	One kit does 32 sqft
Tnemecc 435	\$ 75.40	0	\$ -	One kit does 106 sqft
Polysulfide Caulk	\$ 300.00	0	\$ -	
MEK 5 gal	\$ 17.00	0	\$ -	
Floats	\$ 8.00	0	\$ -	
Trowels	\$ 14.00	0	\$ -	
Roller Frame 9"	\$ 8.00	0	\$ -	
Roller Covers 9"	\$ 6.00	0	\$ -	
Mix Box	\$ 18.43	0	\$ -	
Thicksters box	\$ 18.99	0	\$ -	
Blast Glass	\$1.00	0	\$ -	
rags brick	\$ 51.98	0	\$ -	
Diamond Concrete Grinding Wheel	\$ 79.46	0	\$ -	
Fuel	\$ 3.40	2	\$ 6.80	
PPE	\$ 18.00	0	\$ -	
Concrete V crack chaser	\$ 34.00	0	\$ -	
Disposal	\$ 104.00	0.1	\$ 10.40	
Concrete Cutting Wheel 4"	\$ 17.36	0	\$ -	

**Subtotal \$ 17.20**

<b>Totals</b>	<b>\$</b>	<b>554.93</b>
Overhead	10% \$	55.49
subtotal	\$	610.42
Profit	5% \$	30.52
<b>Grand Total</b>	<b>deduct \$</b>	<b>640.94</b>



**WCD #34 PC 2**

Termination Cuts Extra Work

<b>Classification</b>	<b>Rate</b>	<b>Hrs</b>	<b>Total</b>
Administration	\$ 75.00	2	\$ 150.00
Supervisor 1	\$ 47.30	2	\$ 94.60
Cut lines and clean up	\$ 39.24	6	\$ 235.44
Painter Application	\$ 39.24	0	\$ -
Per Diem	\$ 100.00	1	\$ 100.00
Travel	\$ 35.00	0	\$ -

**Subtotal \$ 580.04**

<b>Equipment</b>	<b>Rate</b>	<b># of Days</b>	<b>Total</b>
Dodge Truck	\$ 96.90	0.3	\$ 29.07
IR Compressor 450 HP	\$157.00	0	\$ -
600# Blast Pot	\$120.00	0	\$ -
100' Blast Hose 1 1/2"	\$35.00	0	\$ -
#8 Water Nozzle	\$32.00	0	\$ -
100" Deadman Line	\$10.00	0	\$ -
Blast Lights	\$70.00	0	\$ -
MSA Blast Hood	\$85.00	0	\$ -
Breather Pot	\$85.00	0	\$ -
100' Breather Line	\$30.00	0	\$ -
30' Bull Hose 2"	\$45.00	0	\$ -
Mixer HD	\$30.00	0	\$ -
Grinder	\$23.00	1	\$ 23.00
Extension Cord	\$5.00	0.5	\$ 2.50
TRI Pod	\$200.00	0	\$ -

**Subtotal \$ 54.57**

<b>Materials</b>	<b>Rate</b>	<b>QTY</b>	<b>Total</b>	
Tnemec 218	\$ 76.00	0	\$ -	One kit does 75 sqft
Tnemec 436	\$ 89.00	0	\$ -	One kit does 32 sqft
Tnemec 435	\$ 75.40	0	\$ -	One kit does 106 sqft
Polysulfide Caulk	\$ 300.00	1	\$ 300.00	
MEK 5 gal	\$ 17.00	0	\$ -	
Floats	\$ 8.00	0	\$ -	
Trowels	\$ 14.00	0	\$ -	
Roller Frame 9"	\$ 8.00	0	\$ -	
Roller Covers 9"	\$ 6.00	0	\$ -	
Mix Box	\$ 18.43	0	\$ -	
Thicksters box	\$ 18.99	0	\$ -	
Blast Glass	\$1.00	0	\$ -	
rags brick	\$ 51.98	0	\$ -	
Diamond Concrete Grinding Wheel	\$ 79.46	0	\$ -	
Fuel	\$ 3.40	2	\$ 6.80	

PPE	\$ 18.00	0	\$ -
Concrete V crack chaser	\$ 34.00	1	\$ 34.00
Disposal	\$ 104.00	0	\$ -
Concrete Cutting Wheel 4"	\$ 17.36	0	\$ -
			<b>Subtotal \$ 340.80</b>
			<b>Totals \$ 975.41</b>
	Overhead 10%		\$ 97.54
	subtotal		\$ 1,072.95
	Profit 5%		\$ 53.65
	<b>Grand Total Increase</b>		<b>\$ 1,126.60</b>

WCD 035

TRENCH DRAIN MODIFICATIONS



August 5, 2019

Apollo, Inc.  
1133 West Columbia Drive  
Kennewick, WA 99336

Attn: Amy Jenne

Re: Coeur d'Alene Tertiary Treatment Phase 2 project  
WCD 035 – Chemical System's Center Trench Drain Modifications  
Engineer's Decision

Amy,

We have reviewed your cost proposal for WCD 035 – Chemical System's Center Trench Drain Modifications. We have found your submitted cost proposal to be acceptable.

A total cost of \$16,797.46 and a total of 0 calendar days will be included in the forthcoming final Change Order.

Sincerely,  
HDR Engineering, Inc.

A handwritten signature in blue ink, appearing to read 'Todd Jensen'.

Todd Jensen, PE, CCM  
*Construction Manager*

cc: Mike Anderson – City of Coeur d'Alene Wastewater Department  
Rickey Schultz – HDR  
Mike Soucie – HDR  
Mary Scalise – HDR



**/// BUILDING PEOPLE WHO BUILD GREAT THINGS**

**Work Change Directive**  
**Project: City of Coeur d'Alene Tertiary Treatment Phase 2**  
**Apollo Inc.**

**WCD No:** 35

**Date:** 06/18/19

Description	Labor	Mat	Equip.	Subcont. Total	Supp Total	Total
Chemical System Center Trench Drain Modis	\$ 8,206.68	\$ 2,619.64	\$ 168.43	\$ 5,381.25	\$ 214.09	\$ 16,590.08

**SUBTOTAL COST > \$ 16,590.08**

Insurance Premium .5% - Changed Work > \$ 82.95

Bond Premium .75% - Changed Work > \$ 124.43

**TOTAL LUMP SUM COST > \$ 16,797.46**



Work Change Directive  
 Project: City of Coeur d'Alene Tertiary Treatment Phase 2  
 Apollo Inc.

WCD No: 35  
 Item No: 1  
 Date: 6/18/19

Item Description: Chemical System Center Trench Drain Mods

Description	Qty	U of M	Rate	Labor	Unit	Rate	Mat	Unit	Rate	Equip.	Subcont. Total	Total
<b>APOLLO - PROJECT SUPERVISION COSTS</b>												
Project Manager	4.0	HR	\$ 90.00	\$ 360.00								\$ 360.00
Project Superintendent	43.0	HR	\$ 79.56	\$ 3,421.08								\$ 3,421.08
Site Civil Superintendent	2.0	HR	\$ 68.08	\$ 136.16								\$ 136.16
<b>APOLLO - CRAFT LABOR COSTS</b>												
<b>Carpenters</b>												
Carpenters	44.0	HR	\$ 38.37	\$ 1,688.28								\$ 1,688.28
<b>Laborers</b>												
General	34.0	HR	\$ 34.36	\$ 1,168.24								\$ 1,168.24
<b>Surveyor</b>												
Surveyor	8.0	HR	\$ 45.31	\$ 362.48								\$ 362.48
<b>APOLLO - OPERATED EQUIPMENT</b>												
<b>Backhoe - CAT 416C IT</b>												
<b>Loader - CAT 950H</b>												
+ Operator		HR	\$ 45.84	\$ -								\$ -
+ Operating Costs	2.0							HRLY	\$ 73.23	\$ 146.46		\$ 146.46
<b>APOLLO - MATERIAL COSTS</b>												
Concrete	15.0				CY	\$ 98.53	\$ 1,477.95					\$ 1,477.95
Form & Expansion Joint	1.0				LS	\$ 800.00	\$ 800.00					\$ 800.00
							\$ -					\$ -
Apollo - Subtotal Direct Costs >				\$ 7,136.24			\$ 2,277.95			\$ 146.46		\$ 9,560.65
Markup on Self-Performed Labor, Mat'ls & Equipment >	15.0%			\$ 1,070.44			\$ 341.69			\$ 21.97		\$ 1,434.10
<b>SUBCONTRACTOR COSTS</b>												
Tri-States Rebar	1										\$ 2,440.00	\$ 2,440.00
Finish Concrete 895 SY	1										\$ 2,685.00	\$ 2,685.00
Subtotal Subcontractors Costs >											\$ 5,125.00	\$ 5,125.00
Markup on Subcontractor Costs >	5.0%										\$ 256.25	\$ 256.25
<b>SUPPLEMENTAL COSTS</b>												
Special Consultants											\$ -	\$ -
Subsistence for Project Supervision					HR	\$ 11.25	\$ -					\$ -
Temporary Facilities at the Site					LS		\$ -					\$ -
Small Tools	3.0%				LS	\$ 214.09	\$ 214.09					\$ 214.09
Subtotal Supplementary Costs >						\$ 214.09					\$ -	\$ 214.09
Markup on Supplementary Costs >	0.0											

<b>Contractor - Total Direct Costs w/Markup &gt;</b>	<b>\$ 16,590.08</b>
Insurance Premium .5% - Changed Work >	\$ 82.95
Bond Premium .75% - Changed Work >	\$ 124.43
<b>TOTAL LUMP SUM COST &gt;</b>	<b>\$ 16,797.46</b>



# WCD 35 Trench drain mods

Modify trench drains

HRB - 4 hrs ✓  
Carpenter - 8 hrs ✓

Install expansion  
~~material~~  
material

KB - 3 hrs ✓  
Carpenter - 12 hrs ✓

\$100 ✓

form slab edge forms  
material

c KB - 4 hrs ✓  
Carpenter - 2 1/2 hrs ✓

\$200 ✓

drill + epoxy dowels  
material

KB - 2 hrs ✓  
Carpenter - 16 hrs ✓

\$300 ✓

Finish grade  
material

Labor - 16 hrs ✓

\$200 ✓

Pour + finish

KB - 6 hrs ✓  
5 stairs  
invoice  
15 ~~hrs~~

Site control changed elevations

8 hrs ✓

Coordination of changes

KB - 24 hrs ✓

Rebar supply + install

IV - 12 hrs ✓

\$1000 ✓

---

changes at transition back to chem doors - ? - Asphalt





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# Daily Report of Force Account Worked

Contract Number	Date <b>9-26-18</b>	Item Number	Item Name
Prime Contractor		Subcontractor / Lower Tier Subcontractor	
Line / Station	Group	Basis of Material Acceptance	RAMS Number

Description of Work Performed  
**DZL TIA LOCKED EDGE FOR APRON ON TRENCH DRAIN SLAB ON GRADE**

### Time Worked Record

	Workers and/or Equipment Working	Occupation of Workers or Equipment Size	Hours Worked		Reg. Rate	O.T. Rate	Amount
			Reg.	O.T.			
1	CARLS BOLLEN	P. WATER / SUPER	2				
2	SCOTT MILLER	LABOR	2				
3							
4							
5							
6							
7							
8							
9							
10							
11							
12							
13							
14							
15							
16							
17							
18							
19							
20							

Calculated By	Date	Checked By	Date	Total
---------------	------	------------	------	-------

Ledger Entry Number	Entered By	Date	Entry Verified	Date
---------------------	------------	------	----------------	------

Inspector's Signature	Contractor's Representative Signature	Title
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5542 W Wyoming Rd  
Rathdrum, ID 83858

Customer No: 10358  
Invoice No: 377000  
Inv Date: 10/03/18  
Page: Page 1 of 1  
Customer PO: 0  
Customer Job: 0

Apollo Inc.-East  
PO Box 7305  
Kennewick, WA 99336

Interstate Concrete & Asphalt  
5542 W Wyoming Rd  
Rathdrum, ID 83858  
208-755-1144

incap@apollo-cc.com

Delivered To: HUBBARD AVE(ICA) WWTP PROJECT

Ordered By: KEVIN

Date	Code - Material Description	QTY	UM	Unit Price	Net QTY	Mat Total	Net Total	Tax	Total
Plant: 05709 - ICA-CDA-Wyoming Rd/Rathr Concrete									
100318	30687 - 1.5-2K 34" EXTERIOR WRA	27.00	CY	80.95	0.00	2,428.65	0.00	145.75	2,574.40
100318	41756 - FUEL SURCHARGE	0.00	EA	0.00	0.00	0.00	0.00	0.00	0.00
100318	41790 - ENVIRONMENTAL SURCHARGE	27.00	EA	3.00	0.00	\$1.00	0.00	4.86	85.86
Total Invoice:				\$7.00		2,509.65	0.00	150.61	2,660.22

15CY

Ticket number(s) shipped from plant 05709 - ICA-CDA-Wyoming Rd/Rathr Concrete

\*3482698      \*3482707      \*3482718

Invoice Taxing Authority Summary:

100000 - Idaho State Tax      150.61

Our Customer Portal is now available! Register at [MYMATERIALSPORTAL.COM](http://MYMATERIALSPORTAL.COM) or call accounts receivable at (509) 534-8221 for assistance.

Finance Charges will be applied to any late invoices at a rate of 1.5% per month per credit agreement or the State's Legal Amount

Invoice Amount: 2,660.22

Amount Paid: \_\_\_\_\_

Customer Name: Apollo Inc.-East  
Customer No: 10358  
Invoice #: 377000  
Date: 10/03/18  
Customer Job: 0  
Customer PO: 0  
Due Date: 11/15/18

If you have any questions about your invoice please call 208-755-1144

Remit Payment To: Interstate Concrete & Asphalt  
P.O. Box 742347  
Los Angeles, CA 90074



**From:** [Kevin Burke](#)  
**To:** [Jeff Ilenstine](#)  
**Cc:** [Amy Jenne](#)  
**Subject:** RE: Rebar for Chemical systems center trench drain apron  
**Date:** Monday, September 24, 2018 1:40:00 PM

---

Make it happen.

---

**From:** Jeff Ilenstine <[jeffi@tristatesrebar.com](mailto:jeffi@tristatesrebar.com)>  
**Sent:** Monday, September 24, 2018 1:46 PM  
**To:** Kevin Burke <[Kevin.Burke@apollo-gc.com](mailto:Kevin.Burke@apollo-gc.com)>  
**Subject:** RE: Rebar for Chemical systems center trench drain apron

Kevin,

All in for \$2,440.

Jeff

**Jeff Ilenstine**  
President  
Tri States Rebar, Inc.  
(509) 922-5901

---

**From:** Kevin Burke [<mailto:Kevin.Burke@apollo-gc.com>]  
**Sent:** Monday, September 24, 2018 1:15 PM  
**To:** Jeff Ilenstine  
**Subject:** RE: Rebar for Chemical systems center trench drain apron

Bars to make the runs with lap length.

---

**From:** Jeff Ilenstine <[jeffi@tristatesrebar.com](mailto:jeffi@tristatesrebar.com)>  
**Sent:** Monday, September 24, 2018 1:21 PM  
**To:** Kevin Burke <[Kevin.Burke@apollo-gc.com](mailto:Kevin.Burke@apollo-gc.com)>  
**Subject:** RE: Rebar for Chemical systems center trench drain apron

Kevin,

That first item says 90'-0", is that right? Obviously I can't send you a 90' long bar so I'm guessing maybe that's either not 90' (typo) or that you have a 90' run where I need to calculate the bars to make 90'.

Let me know, thanks.

Jeff

**Jeff Ilenstine**  
President  
Tri States Rebar, Inc.  
(509) 922-5901

---

**From:** Kevin Burke [<mailto:Kevin.Burke@apollo-gc.com>]  
**Sent:** Monday, September 24, 2018 11:28 AM  
**To:** Jeff Ilenstine  
**Cc:** Amy Jenne  
**Subject:** Rebar for Chemical systems center trench drain apron

Jeff,

I need the following list of bar cut, delivered and installed. This is not part of the original contract work so please respond back with pricing. It is for a single mat, #5 at 12" both ways, in a 6" slab on grade show in the attached drawing in green.

90'0" x 10 pc.  
4'3' x 84 pc.  
13'6' x 54 pc.  
31'0" x 6 pc.  
8'6" x 6 pc.  
5'0" x 6 pc.

Thanks,

Kevin Burke  
General Superintendent  
Cell (509) 947-4607  
[kburke@apollo-gc.com](mailto:kburke@apollo-gc.com)



...Building People Who Build Great Things

1133 W Columbia Dr Kennewick WA 99336  
(509) 586-1104 [www.apollo-gc.com](http://www.apollo-gc.com)

## Disclaimer

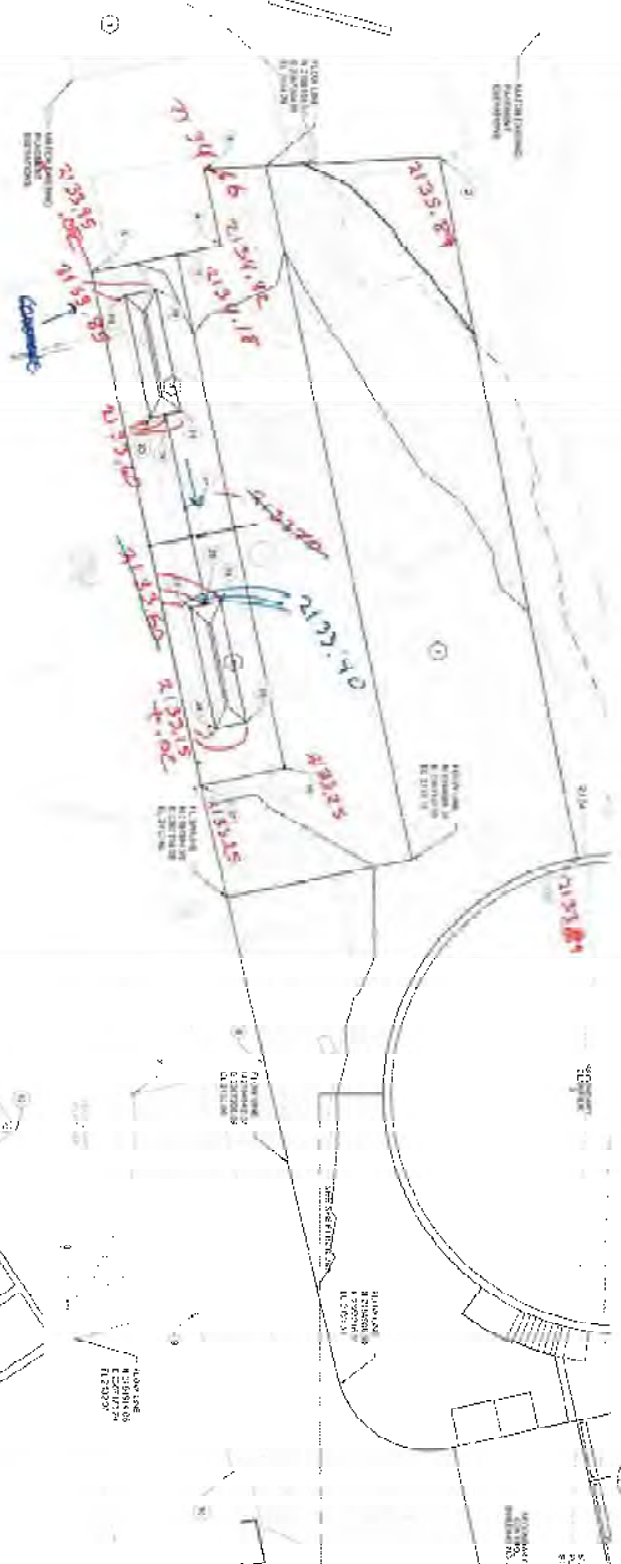
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Point	Station	Elevation	Description
1	2+82.01	222.48	EXISTING ELEVATION
2	2+82.04	222.48	EXISTING ELEVATION
3	2+82.07	222.48	EXISTING ELEVATION
4	2+82.10	222.48	EXISTING ELEVATION
5	2+82.13	222.48	EXISTING ELEVATION
6	2+82.16	222.48	EXISTING ELEVATION
7	2+82.19	222.48	EXISTING ELEVATION
8	2+82.22	222.48	EXISTING ELEVATION
9	2+82.25	222.48	EXISTING ELEVATION
10	2+82.28	222.48	EXISTING ELEVATION
11	2+82.31	222.48	EXISTING ELEVATION
12	2+82.34	222.48	EXISTING ELEVATION
13	2+82.37	222.48	EXISTING ELEVATION
14	2+82.40	222.48	EXISTING ELEVATION
15	2+82.43	222.48	EXISTING ELEVATION
16	2+82.46	222.48	EXISTING ELEVATION
17	2+82.49	222.48	EXISTING ELEVATION
18	2+82.52	222.48	EXISTING ELEVATION
19	2+82.55	222.48	EXISTING ELEVATION
20	2+82.58	222.48	EXISTING ELEVATION

Point	Station	Elevation	Description
21	2+82.61	222.48	EXISTING ELEVATION
22	2+82.64	222.48	EXISTING ELEVATION
23	2+82.67	222.48	EXISTING ELEVATION
24	2+82.70	222.48	EXISTING ELEVATION
25	2+82.73	222.48	EXISTING ELEVATION
26	2+82.76	222.48	EXISTING ELEVATION
27	2+82.79	222.48	EXISTING ELEVATION
28	2+82.82	222.48	EXISTING ELEVATION
29	2+82.85	222.48	EXISTING ELEVATION
30	2+82.88	222.48	EXISTING ELEVATION



NO.	DESCRIPTION	DATE
1	ISSUED FOR PERMIT	08/15/2017
2	REVISED PER COMMENTS	09/15/2017
3	REVISED PER COMMENTS	10/15/2017
4	REVISED PER COMMENTS	11/15/2017
5	REVISED PER COMMENTS	12/15/2017
6	REVISED PER COMMENTS	01/15/2018
7	REVISED PER COMMENTS	02/15/2018
8	REVISED PER COMMENTS	03/15/2018
9	REVISED PER COMMENTS	04/15/2018
10	REVISED PER COMMENTS	05/15/2018
11	REVISED PER COMMENTS	06/15/2018
12	REVISED PER COMMENTS	07/15/2018
13	REVISED PER COMMENTS	08/15/2018
14	REVISED PER COMMENTS	09/15/2018
15	REVISED PER COMMENTS	10/15/2018
16	REVISED PER COMMENTS	11/15/2018
17	REVISED PER COMMENTS	12/15/2018
18	REVISED PER COMMENTS	01/15/2019
19	REVISED PER COMMENTS	02/15/2019
20	REVISED PER COMMENTS	03/15/2019
21	REVISED PER COMMENTS	04/15/2019
22	REVISED PER COMMENTS	05/15/2019
23	REVISED PER COMMENTS	06/15/2019
24	REVISED PER COMMENTS	07/15/2019
25	REVISED PER COMMENTS	08/15/2019
26	REVISED PER COMMENTS	09/15/2019
27	REVISED PER COMMENTS	10/15/2019
28	REVISED PER COMMENTS	11/15/2019
29	REVISED PER COMMENTS	12/15/2019
30	REVISED PER COMMENTS	01/15/2020

NO.	DESCRIPTION	DATE
1	ISSUED FOR PERMIT	08/15/2017
2	REVISED PER COMMENTS	09/15/2017
3	REVISED PER COMMENTS	10/15/2017
4	REVISED PER COMMENTS	11/15/2017
5	REVISED PER COMMENTS	12/15/2017
6	REVISED PER COMMENTS	01/15/2018
7	REVISED PER COMMENTS	02/15/2018
8	REVISED PER COMMENTS	03/15/2018
9	REVISED PER COMMENTS	04/15/2018
10	REVISED PER COMMENTS	05/15/2018
11	REVISED PER COMMENTS	06/15/2018
12	REVISED PER COMMENTS	07/15/2018
13	REVISED PER COMMENTS	08/15/2018
14	REVISED PER COMMENTS	09/15/2018
15	REVISED PER COMMENTS	10/15/2018
16	REVISED PER COMMENTS	11/15/2018
17	REVISED PER COMMENTS	12/15/2018
18	REVISED PER COMMENTS	01/15/2019
19	REVISED PER COMMENTS	02/15/2019
20	REVISED PER COMMENTS	03/15/2019
21	REVISED PER COMMENTS	04/15/2019
22	REVISED PER COMMENTS	05/15/2019
23	REVISED PER COMMENTS	06/15/2019
24	REVISED PER COMMENTS	07/15/2019
25	REVISED PER COMMENTS	08/15/2019
26	REVISED PER COMMENTS	09/15/2019
27	REVISED PER COMMENTS	10/15/2019
28	REVISED PER COMMENTS	11/15/2019
29	REVISED PER COMMENTS	12/15/2019
30	REVISED PER COMMENTS	01/15/2020

CONSTRUCTION CONTROL POINTS

CONSTRUCTION CONTROL POINTS



City of Coeur d'Alene  
Advanced Wastewater Treatment Facility  
Tertiary Treatment Phase 2

ENLARGED GRADING AND PAVING PLAN

SITE CIVIL  
DATE: 08/15/2017  
SCALE: 1" = 10'  
PROJECT NO: 1012008 Rev 1

Date of Issuance: 09/05/2018      Effective Date: 09/05/2018  
 Owner: City of Coeur d'Alene, ID      Owner's Contract No.:  
 Contractor: Apollo      Contractor's Project No.:  
 Engineer: HDR      Engineer's Project No.: 10026247  
 Project: CDA Tertiary Phase 2 Improvements      Contract Name:

**Contractor is directed to proceed promptly with the following change(s):**

Description:

Provide grading and concrete apron in the vicinity of the Chemical System Center in accordance with the revised 001C206 issued with RFI 108.

Attachments:

1) N/A

**Purpose for Work Change Directive:**

Directive to proceed promptly with the Work described herein, prior to agreeing to changes on Contract Price and Contract Time, is issued due to:

- Non-agreement on pricing of proposed change.
- Necessity to proceed for schedule or other Project reasons.

**Estimated Change in Contract Price and Contract Times (non-binding, preliminary):**

Contract Price \$ TBD      increase  
 Contract Time 0      days

**Basis of estimated change in Contract Price:**


- Lump Sum       Unit Price
- Cost of the Work       Other

**RECOMMENDED:**

**AUTHORIZED BY:**

**RECEIVED:**

By:   
 \_\_\_\_\_  
 Engineer (Authorized Signature)

By:   
 \_\_\_\_\_  
 Owner (Authorized Signature)

By:   
 \_\_\_\_\_  
 Contractor (Authorized Signature)

Title: Project Manager

Title: *Cap Program Mgr.*

Title: *VP*

Date: 09/05/18

Date: *9-05-2018*

Date: *9/7/18*



WCD 036

SCB2 ECCENTRIC REDUCER



July 12, 2019

Apollo, Inc.  
1133 West Columbia Drive  
Kennewick, WA 99336

Attn: Amy Jenne

Re: Coeur d'Alene Tertiary Treatment Phase 2 Project  
WCD 036 – SCB2 Eccentric Reducer  
Engineer's Decision

Amy,

We have reviewed your cost proposal for WCD 036 – SCB2 Eccentric Reducer. We have found your submitted cost proposal to be acceptable.

A total cost of \$4,200.73 and a total of 0 calendar days will be included in the forthcoming final Change Order.

Sincerely,  
HDR Engineering, Inc.

A handwritten signature in blue ink, appearing to read 'Todd Jensen'.

Todd Jensen, PE, CCM  
*Construction Manager*

cc: Mike Anderson – City of Coeur d'Alene Wastewater Department  
Rickey Schultz – HDR  
Mike Soucie – HDR  
Mary Scalise – HDR



**/// BUILDING PEOPLE WHO BUILD GREAT THINGS**

**Work Change Directive**  
**Project: City of Coeur d'Alene Tertiary Treatment Phase 2**  
**Apollo Inc.**

**WCD No:** 36

**Date:** 06/27/19

Description	Labor	Mat	Equip.	Subcont. Total	Supp Total	Total
SCB2 Piping	\$ 2,586.67	\$ 1,352.22	\$ -	\$ 52.50	\$ 157.48	\$ 4,148.87
<b>SUBTOTAL COST &gt;</b>						<b>\$ 4,148.87</b>
Insurance Premium .5% - Changed Work >						\$ 20.74
Bond Premium .75% - Changed Work >						\$ 31.12
<b>TOTAL LUMP SUM COST &gt;</b>						<b>\$ 4,200.73</b>

Work Change Directive  
 Project: City of Coeur d'Alene Tertiary Treatment Phase 2  
 Apollo Inc.

WCD No: 36  
 Item No: 1  
 Date: 6/27/19

Item Description: SCB2 Piping

Description	Qty	U of M	Rate	Labor	Unit	Rate	Mat	Unit	Rate	Equip.	Subcont. Total	Total
<b>APOLLO - PROJECT SUPERVISION COSTS</b>												
Project Manager	2.0	HR	\$ 90.00	\$ 180.00								\$ 180.00
Project Superintendent	0.0	HR	\$ 79.56	\$ -								\$ -
Site Civil Superintendent	8.0	HR	\$ 68.08	\$ 544.64								\$ 544.64
<b>APOLLO - CRAFT LABOR COSTS</b>												
<b>Laborers</b>												
General	16.0	HR	\$ 34.36	\$ 549.76								\$ 549.76
<b>Pipefitter</b>												
Pipefitter	16.0	HR	\$ 60.93	\$ 974.88								\$ 974.88
<b>APOLLO - MATERIAL COSTS</b>												
HDF	1.0				LS	\$ 1,175.84	\$ 1,175.84					\$ 1,175.84
							\$ -					\$ -
Apollo - Subtotal Direct Costs >				\$ 2,249.28		\$ 1,175.84		\$ -				\$ 3,425.12
Markup on Self-Performed Labor, Mat'ls & Equipment >				15.0%	\$ 337.39	\$ 176.38		\$ -				\$ 513.77
<b>SUBCONTRACTOR COSTS</b>												
ECI	1										\$ 50.00	\$ 50.00
											\$ -	\$ -
Subtotal Subcontractors Costs >											\$ 50.00	\$ 50.00
Markup on Subcontractor Costs >				5.0%							\$ 2.50	\$ 2.50
<b>SUPPLEMENTAL COSTS</b>												
<b>Special Consultants</b>												
Subsistence for Project Supervision	8.0				HR	\$ 11.25	\$ 90.00					\$ 90.00
Temporary Facilities at the Site					LS		\$ -					\$ -
Small Tools	1.0				LS	\$ 67.48	\$ 67.48					\$ 67.48
Subtotal Supplementary Costs >						\$ 157.48					\$ -	\$ 157.48
Markup on Supplementary Costs >				0.0								

**Contractor - Total Direct Costs w/Markup > \$ 4,148.87**

Insurance Premium .5% - Changed Work > \$ 20.74

Bond Premium .75% - Changed Work > \$ 31.12

**TOTAL LUMP SUM COST > \$ 4,200.73**



...Building People Who Build Great Things

## Daily Report of Force Account Worked

Contract Number	Date	Item Number	Item Name WCD #36
Prime Contractor		Subcontractor / Lower Tier Subcontractor	
Line / Station	Group	Basis of Material Acceptance	RAMS Number
Description of Work Performed Replace 8x10 Reducer and adjust Pipe supports.			

## Time Worked Record

	Workers and/or Equipment Working	Occupation of Workers or Equipment Size	Hours Worked		Reg. Rate	O.T. Rate	Amount
			Reg.	O.T.			
1	Hector Paez	Pipe fitter	8	✓			
2	Brian G.	Pipefitter	8	✓			
3							
4							
5	Hd fowler.						
6	8x10 eccentric Reducer						
7							
8	Brian G.	laborer (concrete)	8	✓			
9	Al Pino	laborer (concrete)	8	✓			
10	Form and pour House keeping Pads						
11							
12	(20) BAGS of NON SHRINK GROUT.						
13							
14							
15							
16							
17							
18							
19							
20							
Calculated By		Date	Checked By		Date	Total	

Ledger Entry Number	Entered By	Date	Entry Verified	Date
---------------------	------------	------	----------------	------

Inspector's Signature	Contractor's Representative Signature	Title
-----------------------	---------------------------------------	-------





REMIT: PO Box 84368, Seattle, WA 98124

**Invoice Number** **14496646**

HAWH  
# 015290

**Corporate Office**  
3633 136th Pl SE, Ste 100, Bellevue, WA 98006  
PO Box 160, Bellevue, WA 98009-0160  
Phone 425-654-8800 \* Fax 425-641-8885

**Hayden Branch**  
1841 W Hayden Ave  
Hayden, ID 83835  
(208) 772-9060 Fax (208) 772-9478

<b>To:</b> APOLLO INC Attn: Accounts Payable PO Box 7305 KENNEWICK WA 99336-0617	<b>Ship to:</b> HD Fowler Company - Hayden 1841 W Hayden Ave Hayden ID 83835	
	<b>Order#</b> O5536350	<b>Inv Date:</b> 05/09/17

<b>Terms:</b> 10P+30 <b>FOB:</b> DESTINATION	<b>Due:</b> 07/10/17 <b>Ship Via:</b> OUR TRUCK	<b>PO/JOB:</b> P162 P162 TERTIARY TREATMENT PHASE
---	--	--

Line	Qty Ship'd	Qty BO'd	UoM	Part # Description	Unit Price	Extended Price	T X
1	50		EA	50# JETSET COMPLETE REPAIR 50# BAG	21.14	1,057.00	Y
						<b>Sub total</b> 1,057.00 <b>Freight</b> 15.00 <b>Tax</b> 63.42 <b>Grand Total</b> 1,135.42	

**\*\* New Remittance Address \*\***  
 PO Box 84368, Seattle, WA 98124-5668  
 EFT Routing: 121000248  
 EFT Bank No: 418 545 3362



REMIT: PO Box 84368, Seattle, WA 98124

**Invoice Number** **14905338**

PSDS  
# 015290

**Corporate Office**  
3633 136th Pl SE, Ste 100, Bellevue, WA 98006  
PO Box 160, Bellevue, WA 98009-0160  
Phone 425-654-8800 \* Fax 425-641-8885

**Pasco Branch**  
1336 Dietrich Rd  
Pasco, WA 99301  
(509) 545-0255 Fax (509) 545-0299

<b>To:</b> APOLLO INC Attn: Accounts Payable PO Box 7305 KENNEWICK WA 99336-0617		<b>Ship to:</b> 915 HUBBARD AVE COEUR D'ALENE ID 83814	
		<b>Order#</b> O5986729	<b>Inv Date:</b> 07/30/18
		<b>Order Writer:</b> Matthew Mahan	
<b>Terms:</b> 10P+30 <b>FOB:</b> JOBSITE		<b>Due:</b> 09/10/18 <b>Ship Via:</b> VENDOR'S CHOICE	<b>PO/JOB:</b> ECC. RED. P162 TERTIARY TREATMENT PHASE

Line	Qty Ship'd	Qty BO'd	UoM	Part # Description	Unit Price	Extended Price	T X
1	1		EA	10" X 8" DI FLANGE ECCENTRIC REDUCER BCL/T4A DOMESTIC	753.04	753.04	
						Sub total	753.04
						Freight	
						Tax	
						<b>Grand Total</b>	<b>753.04</b>

**\*\* New Remittance Address \*\***  
PO Box 84368, Seattle, WA 98124-5668

EFT Routing: 121000248  
EFT Bank No: 418 545 3362

TONY D

Date of Issuance: 09/05/18                      Effective Date: 09/05/18  
 Owner: City of Coeur d'Alene, ID              Owner's Contract No.:  
 Contractor: Apollo                                  Contractor's Project No.:  
 Engineer: HDR                                      Engineer's Project No.: 10026247  
 Project: CDA Tertiary Phase 2 Improvements      Contract Name:

**Contractor is directed to proceed promptly with the following change(s):**Description:

Replace the concentric reducer on the inlet side of P-501-31 with an eccentric reducer to minimize the potential for air build up in the piping. Modify the previously installed piping to account for this revision in height. Provide a housekeeping pad beneath P-501-31.

Attachments:

1) N/A

**Purpose for Work Change Directive:**

Directive to proceed promptly with the Work described herein, prior to agreeing to changes on Contract Price and Contract Time, is issued due to:

- Non-agreement on pricing of proposed change.  
 Necessity to proceed for schedule or other Project reasons.

**Estimated Change in Contract Price and Contract Times (non-binding, preliminary):**

Contract Price \$ TBD    increase  
 Contract Time 0    days

**Basis of estimated change in Contract Price:**

- Lump Sum     Unit Price  
 Cost of the Work     Other

**RECOMMENDED:****AUTHORIZED BY:****RECEIVED:**

By:   
 Engineer (Authorized Signature)

By:   
 Owner (Authorized Signature)

By:   
 Contractor (Authorized Signature)

Title: Project Manager

Title: *Cap. Program Mgr*

Title: *VP*

Date: 09/05/18

Date: *9-6-2018*

Date: *9/7/18*

WCD 037

FA DUCT REVISIONS



August 26, 2019

Apollo, Inc.  
1133 West Columbia Drive  
Kennewick, WA 99336

Attn: Amy Jenne

Re: Coeur d'Alene Tertiary Treatment Phase 2 Project  
WCD 037 – Foul Air System Modifications  
Engineer's Decision

Amy,

We have reviewed your cost proposal for WCD 037 – Foul Air System Modifications. We have found your submitted cost proposal to be acceptable.

A total cost of \$5,036.54 and a total of 0 calendar days will be included in the forthcoming final Change Order.

Sincerely,  
HDR Engineering, Inc.

A handwritten signature in blue ink, appearing to read 'Todd Jensen'.

Todd Jensen, PE, CCM  
*Construction Manager*

cc: Mike Anderson – City of Coeur d'Alene Wastewater Department  
Rickey Schultz – HDR  
Mike Soucie – HDR  
Mary Scalise – HDR





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**Work Change Directive**  
**Project: City of Coeur d'Alene Tertiary Treatment Phase 2**  
**Apollo Inc.**

**WCD No:** 37

**Date:** 05/01/19

Description	Labor	Mat	Equip.	Subcont. Total	Supp Total	Total
Foul Air System Modifications	\$ 389.99	\$ -	\$ 888.38	\$ 3,696.00	\$ -	\$ 4,974.36
<b>SUBTOTAL COST &gt;</b>						<b>\$ 4,974.36</b>
Insurance Premium .5% - Changed Work >						\$ 24.87
Bond Premium .75% - Changed Work >						\$ 37.31
<b>TOTAL LUMP SUM COST &gt;</b>						<b>\$ 5,036.54</b>

Work Change Directive  
 Project: City of Coeur d'Alene Tertiary Treatment Phase 2  
 Apollo Inc.

WCD No: 37  
 Item No: 1  
 Date: 5/1/19

Item Description: Foul Air System Modifications

Description	Qty	U of M	Rate	Labor	Unit	Rate	Mat	Unit	Rate	Equip.	Subcont. Total	Total
<b>APOLLO - PROJECT SUPERVISION COSTS</b>												
Project Manager	2.0	HR	\$ 90.00	\$ 180.00								\$ 180.00
Project Superintendent	2.0	HR	\$ 79.56	\$ 159.12								\$ 159.12
<b>APOLLO - OTHER EQUIPMENT COSTS</b>												
Heater	0.5							MN	\$ 1,545.00	\$ 772.50		\$ 772.50
								LS		\$ -		\$ -
										\$ -		\$ -
<b>SUBCONTRACTOR COSTS</b>												
Air Tech	1										\$ 3,520.00	\$ 3,520.00
											\$ -	\$ -
Subtotal Subcontractors Costs >											\$ 3,520.00	\$ 3,520.00
Markup on Subcontractor Costs >	5.0%										\$ 176.00	\$ 176.00
<b>SUPPLEMENTAL COSTS</b>												
Special Consultants											\$ -	\$ -
Subsistance for Project Supervision					HR	\$ 11.25	\$ -					\$ -
Temporary Facilities at the Site					LS		\$ -					\$ -
Small Tools	0.0				LS	\$ -	\$ -					\$ -
Subtotal Supplementary Costs >							\$ -				\$ -	\$ -
Markup on Supplementary Costs >	0.0											

<b>Contractor - Total Direct Costs w/Markup &gt;</b>	<b>\$ 4,974.36</b>
Insurance Premium .5% - Changed Work >	\$ 24.87
Bond Premium .75% - Changed Work >	\$ 37.31
<b>TOTAL LUMP SUM COST &gt;</b>	<b>\$ 5,036.54</b>

**FROM: AIR TECH MECHANICAL COMPANY**  
**TO: APPOLLO INC.**  
**RE: CITY OF COEUR D'ALENE**  
**ADVANCED WASTE WATER TREATMENT FACILITY**  
**TERTIARY TREATMENT PHASE 2**

**WCD 37-SUMMARY OF COST**

*NOTE: All materials were purchased and stored on site prior to changes at the FAD layout. No credit is allowed for unused materials (\*No Change). The Owner has declined the option to retain the unused FAD components.*

**Deductions (Credit):**

Description:	Materials	Labor
Note 8 Demo 10" & 18" duct & filter at PC1& 2.		
Cap duct to remain.		
Labor 6 @ 80.00		\$ 480.00
Material 2 @ \$50.00	\$100.00	
Note 8a Omit 18" FAD at PC 1, 2&3		
Labor 12 @ 80.00		\$ 960.00
Material (*No Change)		\$---0--
Note 12 Demo Duct at Utilidor		
Labor 10@ 80.00		\$ 800.00
Material (*No Change)		\$---0--
Yard Pipe Supports <i>Original bid included 7 Pipe supports and 3 supports from PC roof structure above. 6 pipe supports were installed and 1 pipe support was remodeled and installed at the structure of PC3. Credit is for 3 supports at roof structure .</i>		
Labor 3ea. 3hr. @ 80.00		\$ 720.00
Material (*No Change)	\$---0--	
	\$100.00	\$2,960.00
<b>SUMMARY Credits:</b>		
Deduct Materials		\$ 100.00
Deduct Labor		\$2,960.00
Deduct 6% ISST	\$ 6.00	
Subtotal Deduct Costs	\$ 3,066.00	

**WCD-37 Lump Sum Cost Decrease**

**Deduct \$3,066.00**

**Additions (Debit):**

Description:	Materials	Labor
Revise location of Wye Tie-in to existing FAD.		
Labor 10 @ 80.00		\$ 800.00
Material: 5 l.f. 42" Duct.	\$ 867.00	
1 ea. 30" Elbow	\$1,133.00	
Site layout and coordination for FAD & OCF Fans with GC, Owner & Engineer.		
Labor 8 @ 80.00		\$ 640.00
Note 8 & 8a Revised penetration at PC1 & 2		
Labor 8 @ 80.00		\$ 640.00
Material No Change	\$---0--	
Note 8 & 8a Revised penetration at PC3		
Labor 4 @ 80.00		\$ 320.00
Material No Change	\$---0--	
Yard Pipe Supports Remodel 1 Pipe support and install at PC3 steel structure.		
Labor Shop 6 @ 80.00		\$ 480.00
Labor Field 6 @ 80.00		\$ 480.00
Material Paint	\$ 309.00	
Load & Haul unused fiberglass duct to dump		
Labor 4 @ 80.00		\$ 320.00
	\$2,309.00	\$3,680.00
<b>SUMMARY Debits:</b>		
Add Materials		\$2,309.00
Add Labor		\$3,680.00
Add 6% ISST	\$ 138.00	
Subtotal Add Costs	\$ 6,127.00	

**WCD-37 Lump Sum Cost Increase**

**Add \$ 6,127.00**

**TOTAL Change in Cost**

**Add \$ 3,061.00**

**OH & P (15% x \$3,061.00)**

**Add \$ 459.00**

**Total WCD 37 Lump Sum Increase**

**ADD \$ 3,520.00**

Submitted To: Amy Jenne  
Submitted By: John Shaffer

Date of Issuance: 03/27/19 Effective Date: 03/27/19  
 Owner: City of Coeur d'Alene, ID Owner's Contract No.:  
 Contractor: Apollo Contractor's Project No.:  
 Engineer: HDR Engineer's Project No.: 10026247  
 Project: CDA Tertiary Phase 2 Improvements Contract Name:

**Contractor is directed to proceed promptly with the following change(s):**Description:Primary Clarifiers Foul Air Duct Modifications:

- 1) Provide bypass ducting while installing new duct fittings.
- 2) Amend new foul air penetrations and ducting for PC1, PC2, PC3, per field discussions and attachment.
- 3) Provide duct supports as discussed in the field and with engineers approval.
- 4) Leave existing 10-inch ducting in PC1 and PC2 in place.
- 5) Provide credit for duct work labor and materials not expended due to directed changes. See attachment.

TMF Blower Intake Modifications:

- 1) Provide 3 - 12" x 12" hatches on the 3 blower-air intake manifolds at the TMF. This access will be used to clean the louver mounted bug screens as needed.

Attachments:

- 1) Sheet 001C103

**Purpose for Work Change Directive:**

Directive to proceed promptly with the Work described herein, prior to agreeing to changes on Contract Price and Contract Time, is issued due to:

- Non-agreement on pricing of proposed change.  
 Necessity to proceed for schedule or other Project reasons.

**Estimated Change in Contract Price and Contract Times (non-binding, preliminary):**

Contract Price \$ TBD increase  
 Contract Time 0 days

**Basis of estimated change in Contract Price:**

- Lump Sum  Unit Price  
 Cost of the Work  Other

**RECOMMENDED:****AUTHORIZED BY:****RECEIVED:**

By:



Engineer (Authorized Signature)

Title: Project Manager

Date: 03/27/19

By:



Owner (Authorized Signature)

Title: CAP. PROGRAM MGR.

Date: 3-28-2019

By:



Contractor (Authorized Signature)

Title: VP

Date: 3/28/19

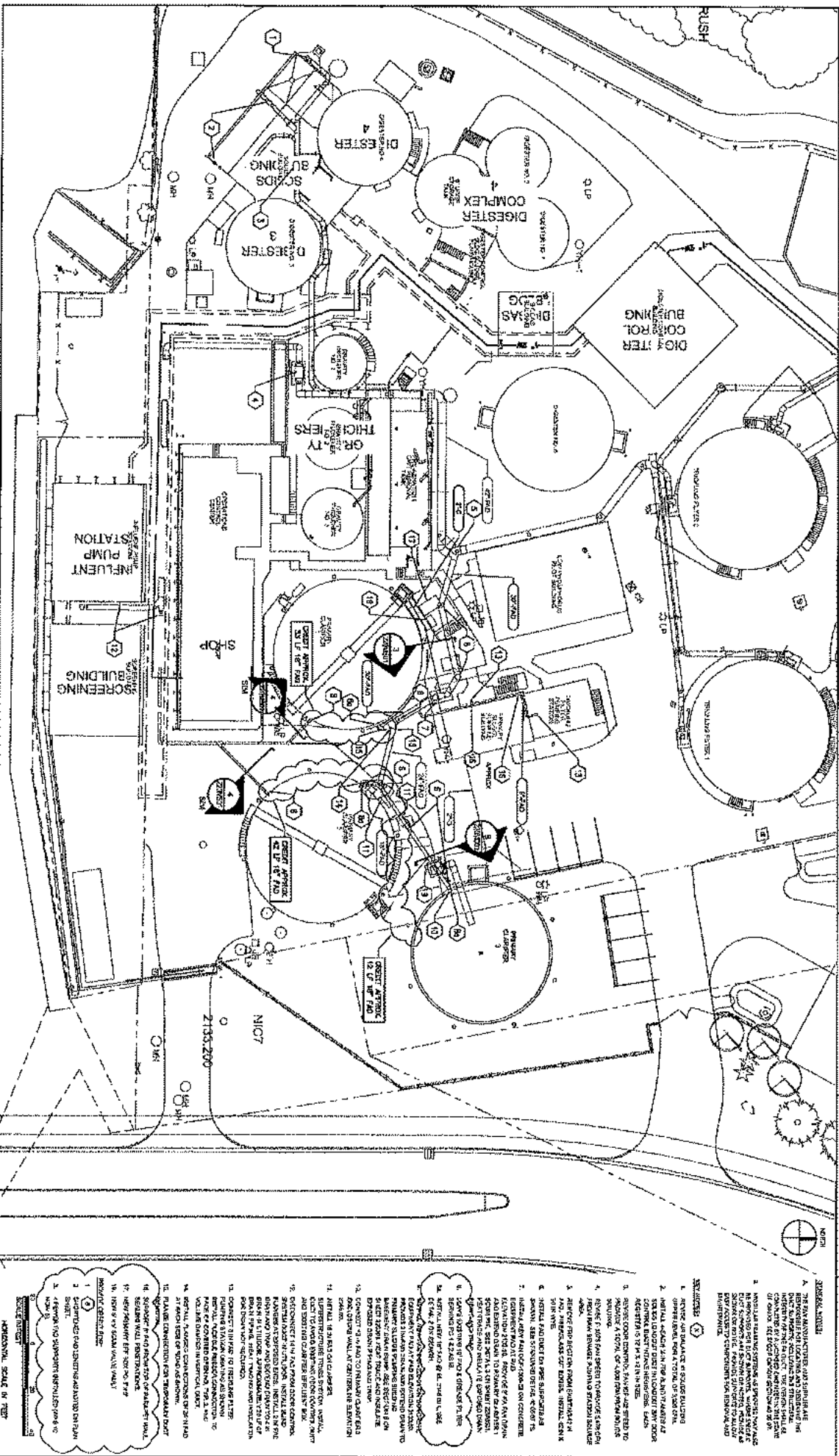
PROJECT MANAGER	MOHAMED EL-SHAAR
CLIENT	CITY OF COBURG
PROJECT NAME	ADVANCED WASTEWATER TREATMENT PLANT
PROJECT ADDRESS	1000 WILSON AVENUE, COBURG, ONTARIO
PROJECT NUMBER	1000-0000
DATE	2013-10-20
SCALE	AS SHOWN
DESIGNER	THINDERA ENGINEERING CONSULTANTS
CHECKER	MOHAMED EL-SHAAR
APPROVER	MOHAMED EL-SHAAR
DATE	2013-10-20



City of Coburg  
Advanced Wastewater Treatment  
Plant  
Tertiary Treatment Phase 2

**FOUL AIR DUCT PLAN**

Scale: 1:100  
Date: 2013-10-20  
Sheet: 09-10-103 (REV 3.2)



- NOTES:**
1. THE FOLLOWSING MATERIALS AND SUPPLIES ARE TO BE USED FOR THE CONSTRUCTION OF THE FOUL AIR DUCT SYSTEM. THE CONTRACTOR SHALL BE RESPONSIBLE FOR OBTAINING ALL NECESSARY PERMITS AND APPROVALS FROM THE LOCAL AUTHORITY.
  2. ALL MATERIALS AND SUPPLIES SHALL BE OF THE HIGHEST QUALITY AND SHALL BE SUBJECT TO INSPECTION AND TESTING BY THE CONTRACTOR.
  3. THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE PROTECTION OF ALL EXISTING UTILITIES AND STRUCTURES.
  4. THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE PROTECTION OF ALL EXISTING PLANT AND EQUIPMENT.
  5. THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE PROTECTION OF ALL EXISTING ROADS AND DRIVEWAYS.
  6. THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE PROTECTION OF ALL EXISTING TREES AND LANDSCAPE.
  7. THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE PROTECTION OF ALL EXISTING SERVICES AND UTILITIES.
  8. THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE PROTECTION OF ALL EXISTING STRUCTURES AND EQUIPMENT.
  9. THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE PROTECTION OF ALL EXISTING ROADS AND DRIVEWAYS.
  10. THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE PROTECTION OF ALL EXISTING TREES AND LANDSCAPE.
  11. THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE PROTECTION OF ALL EXISTING SERVICES AND UTILITIES.
  12. THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE PROTECTION OF ALL EXISTING STRUCTURES AND EQUIPMENT.
  13. THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE PROTECTION OF ALL EXISTING ROADS AND DRIVEWAYS.
  14. THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE PROTECTION OF ALL EXISTING TREES AND LANDSCAPE.
  15. THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE PROTECTION OF ALL EXISTING SERVICES AND UTILITIES.
  16. THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE PROTECTION OF ALL EXISTING STRUCTURES AND EQUIPMENT.
  17. THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE PROTECTION OF ALL EXISTING ROADS AND DRIVEWAYS.
  18. THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE PROTECTION OF ALL EXISTING TREES AND LANDSCAPE.
  19. THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE PROTECTION OF ALL EXISTING SERVICES AND UTILITIES.
  20. THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE PROTECTION OF ALL EXISTING STRUCTURES AND EQUIPMENT.

MECHANICAL SCALE IN METERS



WCD 038

ASPHALT CROSS SECTION AND PAVING AREA REVISIONS



September 9, 2019

Apollo, Inc.  
1133 West Columbia Drive  
Kennewick, WA 99336

Attn: Amy Jenne

Re: Coeur d'Alene Tertiary Treatment Phase 2 Project  
WCD 038 – Asphalt Cross Section and Paving Area Revisions  
Engineer's Decision

Amy,

We have reviewed your cost proposal for WCD 038 – Asphalt Cross Section and Paving Area Revisions. We have found your submitted cost proposal to be acceptable.

A total cost of \$46,387.99 and a total of 0 calendar days will be included in the forthcoming final Change Order.

Sincerely,  
HDR Engineering, Inc.

A handwritten signature in blue ink, appearing to read 'Todd Jensen'.

Todd Jensen, PE, CCM  
*Construction Manager*

cc: Mike Anderson – City of Coeur d'Alene Wastewater Department  
Rickey Schultz – HDR  
Mike Soucie – HDR  
Mary Scalise – HDR



**/// BUILDING PEOPLE WHO BUILD GREAT THINGS**

**Work Change Directive**  
**Project: City of Coeur d'Alene Tertiary Treatment Phase 2**  
**Apollo Inc.**

**WCD No:** 38Rev3

**Date:** 09/09/19

Description	Labor	Mat	Equip.	Subcont. Total	Supp Total	Total
Low P Slab, Secondary Area Sidewalk, PC3 grading changes	\$ 12,027.97	\$ 6,909.59	\$ 4,835.90	\$ 3,588.46	\$ 313.77	\$ 27,675.69
ACP Changes	\$ 5,797.47	\$ (5,985.75)	\$ (2,882.98)	\$ 20,789.63	\$ 421.24	\$ 18,139.61

**SUBTOTAL COST > \$ 45,815.30**

Insurance Premium .5% - Changed Work > \$ 229.08

Bond Premium .75% - Changed Work > \$ 343.61

**TOTAL LUMP SUM COST > \$ 46,387.99**

**Work Change Directive**  
**Project: City of Coeur d'Alene Tertiary Treatment Phase 2**  
**Apollo Inc.**

**WCD No:** 38Rev3  
**Item No:** 1  
**Date:** 9/9/19

*Item Description: Low P Slab, Secondary Area Sidewalk, PC3 grading changes*

Description	Qty	U of M	Rate	Labor	Unit	Rate	Mat	Unit	Rate	Equip.	Subcont. Total	Total
<b>APOLLO - PROJECT SUPERVISION COSTS</b>												
Project Manager	8.0	HR	\$ 90.00	\$ 720.00								\$ 720.00
Project Superintendent	21.0	HR	\$ 79.56	\$ 1,670.76								\$ 1,670.76
Site Civil Superintendent	41.0	HR	\$ 68.08	\$ 2,791.28								\$ 2,791.28
<b>APOLLO - CRAFT LABOR COSTS</b>												
<b>Carpenters</b>												
Foreman		HR	\$ 43.52	\$ -								\$ -
Carpenter	52.0	HR	\$ 38.37	\$ 1,995.24								\$ 1,995.24
<b>Laborers</b>												
Forman	21.0	HR	\$ 37.50	\$ 787.50								\$ 787.50
General	62.0	HR	\$ 34.36	\$ 2,130.32								\$ 2,130.32
<b>Surveyor</b>												
Surveyor	8.0	HR	\$ 45.50	\$ 364.00								\$ 364.00
<b>Pipefitter</b>												
Remove Valves Pipefitter	0.0	HR	\$ 60.93	\$ -								\$ -
Install Valves Pipefitter	0.0	HR	\$ 60.93	\$ -								\$ -
<b>APOLLO - OPERATED EQUIPMENT</b>												
<b>Excavator - CAT 303</b>												
+ Operator		HR	\$ 45.84	\$ -								\$ -
+ Operating Costs	17.0							HRLY	\$ 19.42	\$ 330.14		\$ 330.14
<b>Skidster</b>												
+ Operator		HR	\$ 45.84	\$ -								\$ -
+ Operating Costs	2.0							HRLY	\$ 24.35	\$ 48.70		\$ 48.70
<b>Excavator - CAT 312C L</b>												
+ Operator		HR	\$ 45.84	\$ -								\$ -
+ Operating Costs	9.0							HRLY	\$ 50.93	\$ 458.37		\$ 458.37
<b>Excavator - CAT 330CL</b>												
+ Operator		HR	\$ 45.84	\$ -								\$ -
+ Operating Costs	11.0							HRLY	\$ 122.39	\$ 1,346.29		\$ 1,346.29
<b>Loader - CAT 950H</b>												
+ Operator	0.0	HR	\$ 45.84	\$ -								\$ -
+ Operating Costs	17.0							HRLY	\$ 73.23	\$ 1,244.91		\$ 1,244.91
<b>On-Highway Rear Dumps</b>												
+ Operator		HR	\$ 34.42	\$ -								\$ -
+ Operating Costs	4.0							HRLY	\$ 64.57	\$ 258.28		\$ 258.28
<b>APOLLO - OTHER EQUIPMENT COSTS</b>												
Hammer	1.0							LS	\$ 289.72	\$ 289.72		\$ 289.72
Compressor	1.0							LS	\$ 228.27	\$ 228.27		\$ 228.27
										\$ -		\$ -
<b>APOLLO - MATERIAL COSTS</b>												
Concrete Low P	34.5				CY		\$ 3,399.18					\$ 3,399.18
Forming Materials	1.0				LS	\$ 154.66	\$ 154.66					\$ 154.66
Rebar	1.0				LS	\$ 350.00	\$ 350.00					\$ 350.00
Catch Basin	1.0				LS	\$ 784.50	\$ 784.50					\$ 784.50
Add 6" Rock under new sidewalk (436SY)	110 tn				CY	\$ 12.00	\$ 1,320.00					\$ 1,320.00
					LS		\$ -					\$ -
Apollo - Subtotal Direct Costs >				\$ 10,459.10			\$ 6,008.34			\$ 4,205.13		\$ 20,672.57
Markup on Self-Performed Labor, Mat'l's & Equipment >	15.0%			\$ 1,568.87			\$ 901.25			\$ 630.77		\$ 3,100.89
<b>SUBCONTRACTOR COSTS</b>												
Five Star	1										\$ 3,417.58	\$ 3,417.58
												\$ -
Subtotal Subcontractors Costs >											\$ 3,417.58	\$ 3,417.58
Markup on Subcontractor Costs >	5.0%										\$ 170.88	\$ 170.88
<b>SUPPLEMENTAL COSTS</b>												
Special Consultants											\$ -	\$ -
Substance for Project Supervision					HR	\$ 11.25	\$ -					\$ -
Temporary Facilities at the Site					LS		\$ -					\$ -
Small Tools	1.0				LS	\$ 313.77	\$ 313.77					\$ 313.77
Subtotal Supplementary Costs >						\$ 313.77					\$ -	\$ 313.77

**Work Change Directive**  
**Project: City of Coeur d'Alene Tertiary Treatment Phase 2**  
**Apollo Inc.**

**WCD No:** 38Rev3  
**Item No:** 1  
**Date:** 9/9/19

*Item Description: Low P Slab, Secondary Area Sidewalk, PC3 grading changes*

Description	Qty	U of M	Rate	Labor	Unit	Rate	Mat	Unit	Rate	Equip.	Subcont. Total	Total
Markup on Supplementary Costs >	0.0											

<b>Contractor - Total Direct Costs w/Markup &gt;</b>	<b>\$</b>	<b>27,675.69</b>
Insurance Premium .5% - Changed Work >	\$	138.38
Bond Premium .75% - Changed Work >	\$	207.57
<b>TOTAL LUMP SUM COST &gt;</b>	<b>\$</b>	<b>28,021.63</b>



Work Change Directive  
 Project: City of Coeur d'Alene Tertiary Treatment Phase 2  
 Apollo Inc.

WCD No: 38Rev1  
 Item No: 1  
 Date: 8/29/19

Item Description: ACP Changes

Description	Qty	U of M	Rate	Labor	Unit	Rate	Mat	Unit	Rate	Equip.	Subcont. Total	Total
<b>APOLLO - PROJECT SUPERVISION COSTS</b>												
Project Manager	8.0	HR	\$ 90.00	\$ 720.00								\$ 720.00
Project Superintendent	0.0	HR	\$ 79.56	\$ -								\$ -
Site Civil Superintendent	48.0	HR	\$ 68.08	\$ 3,267.84								\$ 3,267.84
<b>APOLLO - CRAFT LABOR COSTS</b>												
<b>Laborers</b>												
General	44.0	HR	\$ 34.36	\$ 1,511.84								\$ 1,511.84
<b>APOLLO - OPERATED EQUIPMENT</b>												
<b>Excavator - CAT 303</b>												
+ Operator	0.0	HR	\$ 45.84	\$ -								\$ -
+ Operating Costs	20.0							HRLY	\$ 19.42	\$ 388.40		\$ 388.40
<b>Finish Blade</b>												
+ Operator	-44.0	HR	\$ 45.84	\$ (2,016.96)								\$ (2,016.96)
+ Operating Costs	-44.0							HRLY	\$ 122.39	\$ (5,385.16)		\$ (5,385.16)
<b>Loader - CAT 950H</b>												
+ Operator	34.0	HR	\$ 45.84	\$ 1,558.56								\$ 1,558.56
+ Operating Costs	34.0							HRLY	\$ 73.23	\$ 2,489.82		\$ 2,489.82
<b>APOLLO - MATERIAL COSTS</b>												
Delete 4" Rock (4,122SY)	700tn				CY	\$ (12.00)	\$ (8,400.00)					\$ (8,400.00)
Add 4" Rock under new ACP (1,079SY)	185tn				CY	\$ 12.00	\$ 2,220.00					\$ 2,220.00
Dump Fees	125.0				LS	\$ 5.00	\$ 625.00					\$ 625.00
Sawcut	1.0				LS	\$ 350.00	\$ 350.00					\$ 350.00
Apollo - Subtotal Direct Costs >				\$ 5,041.28			\$ (5,205.00)			\$ (2,506.94)		\$ (2,670.66)
Markup on Self-Performed Labor, Mat'ls & Equipment >	15.0%			\$ 756.19			\$ (780.75)			\$ (376.04)		\$ (400.60)
<b>SUBCONTRACTOR COSTS</b>												
Interstate (1,079 SY)	1.0										\$ 19,799.65	\$ 19,799.65
Subtotal Subcontractors Costs >											\$ 19,799.65	\$ 19,799.65
Markup on Subcontractor Costs >	5.0%										\$ 989.98	\$ 989.98
<b>SUPPLEMENTAL COSTS</b>												
Special Consultants											\$ -	\$ -
Subsistence for Project Supervision	24.0				HR	\$ 11.25	\$ 270.00					\$ 270.00
Temporary Facilities at the Site					LS	\$ -	\$ -					\$ -
Small Tools	1.0				LS	\$ 151.24	\$ 151.24					\$ 151.24
Subtotal Supplementary Costs >							\$ 421.24				\$ -	\$ 421.24
Markup on Supplementary Costs >	0.0											\$ -

Contractor - Total Direct Costs w/Markup >	\$ 18,139.61
Insurance Premium .5% - Changed Work >	\$ 90.70
Bond Premium .75% - Changed Work >	\$ 136.05
<b>TOTAL LUMP SUM COST &gt;</b>	<b>\$ 18,366.36</b>

	Low P & Primary Grading Changes							ACP Changes		
	Low P	9/4/18	9/5/18	9/6/18	9/10/18	9/18/18	9/28/18	4/17/19	Total	5/9 & 5/13/19
<b>Labor</b>										
Craig Jenne (Super)	8	10	5	4	4	6	2		39	
Chris Bolten (For)		6	5	4	4		2		21	
Brent Stewart	8								8	
Wylie Jenne (Lab)		9	5	4	4			15	37	44
Scott Miller (Lab)							2		2	
Mark Thomas (Blade)									0	44
Al Pino (Lab)								5	5	
Hector Paez (Carp)								10	10	
James Powers (Carp)									0	
Kevin Burke (Super)	21								21	
Ryan Haan (Loader)									0	34
Carpenter	42								42	
Laborer	18								18	
Tony Delapena (Super)								2	2	
Tom O'Neill (Super)									0	48
<b>Equipment Operated</b>										
330		4	5						9	
312						6			6	
950		2	5	2					9	
303		4		4			2		10	
Blade									44	44
Dump Truck									0	
Skidster							2		2	
938 Loader Rental								5	39	34
305 Ex Rental								5	25	20
<b>Equipment Standby (1/3 Operated Hr for Standby)</b>										1/3 Standby
330				2	4				6	2
312			5		4				9	3
950					4	6			10	3
303			5						5	2
Dump Truck		2	5	2	4				13	4



Demo low P approach slab + trickle filter  
stair landing

CS	8	✓
Lab	8	✓
330	3	
950	2	
dummy truck	3	
dummy fee	30/d	

Covered in  
Craig FA  
sheet

Sub grade + fine grade

CS	8	✓
Lab	8	✓
site control	4	✓

Form pads

KB	4	✓
corp	16	✓
site control	4	✓

Rebar

KB	4	✓
corp	16	✓

Place + Finish

KB	3	✓	10 Yds Concrete ✓
corp	6	✓	
Lab	6	✓	
5 star Analysis	0		

Cure

Lab	2	✓
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strip

corp	4	✓
Lab	2	✓

Coordination

KB	10	✓
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# WCD 30 Grading Plan Revisions



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## Daily Report of Force Account Worked

Contract Number	Date 9-4-18	Item Number	Item Name
Prime Contractor		Subcontractor / Lower Tier Subcontractor	
Line / Station	Group	Basis of Material Acceptance	RAMS Number

Description of Work Performed  
**INSTALL 8" STORM BETWEEN LOW P. BLD AND TRICKLE F. PUMP STA. SEE PLS**

### Time Worked Record

	Workers and/or Equipment Working	Occupation of Workers or Equipment Size	Hours Worked		Reg. Rate	O.T. Rate	Amount
			Reg.	O.T.			
1	CRAZGENNE	330 18095013031 SUPER	10	✓			
2	CHRIS BOLTEN	P.LAYER / SUPER	6	✓			
3	WYLIEJENNE	LABOR	9	✓			
4	330	<del>ADD STANDBY</del>	4	✓			
5	303	" "	4	✓			
6	950	" "	2	✓			
7	DUMP TRUCK	STANDBY					
8							
9							
10							
11							
12							
13							
14							
15							
16							
17							
18							
19							
20							

Not Completed  
 1 CB @ PC 1  
 not installed.

Calculated By	Date	Checked By	Date	Total
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Ledger Entry Number	Entered By	Date	Entry Verified	Date
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Inspector's Signature <i>out of the Service</i>	Contractor's Representative Signature	Title
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5-21-2019



2/6



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## Daily Report of Force Account Worked

Contract Number	Date 9-5-18	Item Number	Item Name
Prime Contractor		Subcontractor / Lower Tier Subcontractor	
Line / Station	Group	Basis of Material Acceptance	RAMS Number

Description of Work Performed

INSTALL 8" STORM AT LOWP. BLD AND BACKFILL SLEEPERS

## Time Worked Record

	Workers and/or Equipment Working	Occupation of Workers or Equipment Size	Hours Worked		Reg. Rate	O.T. Rate	Amount
			Reg.	O.T.			
1	CPAZU JENNE	3301950 / 303 / 1312	5	✓			
2	WYLIE JENNE	LABOR	5	✓			
3	CARIS BOLLEN	312 / 303 / 1 SVR6	5	✓			
4	330		5	✓			
5	312		5	✓			
6	950		5	✓			
7	303		5	✓			
8	DUMPRUCK	STAND BY					
9							
10							
11							
12							
13							
14							
15							
16							
17							
18							
19							
20							
Calculated By		Date	Checked By		Date	Total	

Ledger Entry Number	Entered By	Date	Entry Verified	Date
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Inspector's Signature <i>W. J. Service</i>	Contractor's Representative Signature	Title
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3/6

Photo



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### Daily Report of Force Account Worked

Contract Number	Date 9-6-17	Item Number	Item Name
Prime Contractor		Subcontractor / Lower Tier Subcontractor	
Line / Station	Group	Basis of Material Acceptance	RAMS Number

Description of Work Performed  
LOWER CATCH BASIN AT LOW P. BLD CUT HOME MADE ADJUSTMENT RZNL

#### Time Worked Record

	Workers and/or Equipment Working	Occupation of Workers or Equipment Size	Hours Worked		Reg. Rate	O.T. Rate	Amount
			Reg.	O.T.			
1	CRAIGSENNE	303 / WABER / SUPER	4	✓			
2	CHRIS BOLLEN	P. WABER / SUPER	4	✓			
3	WYLLI SENNE	LABOR	4	✓			
4	303		4	✓			
5	950		2	✓			
6	330	STAND BY					
7	DUMPMUCK	" "					
8							
9							
10	Drains area N <sup>th</sup> of						
11	low P' bldg.						
12							
13							
14							
15							
16							
17							
18							
19							
20							

Calculated By	Date	Checked By	Date	Total
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Ledger Entry Number	Entered By	Date	Entry Verified	Date
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Inspector's Signature <i>Mike Service</i>	Contractor's Representative Signature	Title
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415



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Daily Report of Force Account Worked

Contract Number	Date 9-10-18	Item Number	Item Name
Prime Contractor		Subcontractor / Lower Tier Subcontractor	
Line / Station	Group	Basis of Material Acceptance	RAMS Number

Description of Work Performed  
**GRADING PLAN DELAYS DUE TO CATCH BASIN SITDOWN**

Time Worked Record

	Workers and/or Equipment Working	Occupation of Workers or Equipment Size	Hours Worked		Reg. Rate	O.T. Rate	Amount
			Reg.	O.T.			
1	CRAIG JENNE		4	✓			
2	WYLZEJENNE		4	✓			
3	CHARS BOLLEN		4	✓			
4	330	STAND BY					
5	312	" "					
6	950	" "					
7	DUMPTUCK	" "					
8							
9							
10							
11	<p>Re-grade area around  interceptor MH #2 to act as  CB.  Review w/ Craig.</p>						
12							
13							
14							
15							
16							
17							
18							
19							
20							

Calculated By	Date	Checked By	Date	Total
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Ledger Entry Number	Entered By	Date	Entry Verified	Date
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Inspector's Signature <i>M. H. Sullivan</i>	Contractor's Representative Signature	Title
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5/5



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### Daily Report of Force Account Worked

Contract Number	Date <u>18</u> <u>9-20-10</u>	Item Number	Item Name
Prime Contractor		Subcontractor / Lower Tier Subcontractor	
Line / Station	Group	Basis of Material Acceptance	RAMS Number

Description of Work Performed  
GRADING PLAN AT N.E. OF SC<sup>3</sup> DRAINAGE ISSUES

#### Time Worked Record

Line	Workers and/or Equipment Working	Occupation of Workers or Equipment Size	Hours Worked		Reg. Rate	O.T. Rate	Amount
			Reg.	O.T.			
1	<u>CRAZTENNE</u>	<u>312 SUPER</u>	<u>5</u>	<u>✓</u>			
2	<u>950</u>	<u>950 STANDBY</u>					
3							
4							
5							
6							
7	<u>MH # 2.</u>						
8							
9							
10							
11							
12							
13							
14							
15							
16							
17							
18							
19							
20							

Calculated By	Date	Checked By	Date	Total
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Ledger Entry Number	Entered By	Date	Entry Verified	Date
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Inspector's Signature <u>[Signature]</u>	Contractor's Representative Signature <u>[Signature]</u>	Title
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## Daily Report of Force Account Worked

Contract Number	Date 9-28-18	Item Number	Item Name
Prime Contractor		Subcontractor / Lower Tier Subcontractor	
Line / Station	Group	Basis of Material Acceptance	RAMS Number
Description of Work Performed REWORK IN GRADING PLAN AT N.E. OF SC#3 MHTURN IN 30 4/B			

## Time Worked Record

	Workers and/or Equipment Working	Occupation of Workers or Equipment Size	Hours Worked		Reg. Rate	O.T. Rate	Amount
			Reg.	O.T.			
1	CRAIG TENNE	SK2004/303/1 SUPER	2	✓			
2	CHRIS BOLZEN	SK2004/303/1 SUPER	2	✓			
3	SCOTT MILLER	LABOR	2	✓			
4	303		2	✓			
5	SK2004 Same rate @ 303 4 hrs		2	✓			
6							
7							
8							
9							
10							
11							
12							
13							
14							
15							
16							
17							
18							
19							
20							
Calculated By	Date	Checked By	Date	Total			

Ledger Entry Number	Entered By	Date	Entry Verified	Date
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Inspector's Signature <i>[Signature]</i>	Contractor's Representative Signature	Title
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# Daily Report of Force Account Worked

Contract Number	Date 4-17-19	Item Number	Item Name WCD # 38
Prime Contractor		Subcontractor / Lower Tier Subcontractor	
Line / Station	Group	Basis of Material Acceptance	RAMS Number
Description of Work Performed Remove Side walk Panels @ Secondary			

### Time Worked Record

	Workers and/or Equipment Working	Occupation of Workers or Equipment Size	Hours Worked		Reg. Rate	O.T. Rate	Amount
			Reg.	O.T.			
1	Al Pino	Laborer (concrete)	5				
2	Wyle Jenne	Laborer (grade checker)	5				
3	Tony Delafena		2				
4							
5	Rental CAT						
6	938 Loader						
7	305 Mini Ex						
8							
9	Sunbelt						
10	Air Compressor						
11	60 lb Jack hammer						
12							
13	Form + Rebar						
14	Hector Paez	CARP (Forms)	10				
15	Wyle Jenne	Laborer (grade checker)	10				
16							
17	Premix						
18	Mastic						
19	Rebar						
20							

Calculated By	Date	Checked By	Date	Total
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Ledger Entry Number	Entered By	Date	Entry Verified	Date
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Inspector's Signature	Contractor's Representative Signature	Title
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CENTRAL PRE-MIX  
EST. 1954

P O Box 3366  
Spokane, WA 99220-3366

**Customer No:** 10358  
**Invoice No:** 2786234  
**Inv Date:** 04/22/19  
**Page:** Page 1 of 1  
**Customer PO:** P162

Apollo inc.-East  
AP Megan [megan.sibley@apollo-gc.com](mailto:megan.sibley@apollo-gc.com)  
PO Box 7305  
Kennewick WA 99336

Central Pre-Mix Concrete Co.  
P O Box 3366  
Spokane, WA 99220-3366  
509.534.6221





**INVOICE**  
SEND ALL PAYMENTS TO:

SUNBELT RENTALS, INC.  
PO BOX 409211  
ATLANTA, GA 30384-9211

INVOICE NO.	88773156-0003
ACCOUNT NO.	305018
INVOICE DATE	4/29/19
PAGE	1 of 1

INVOICE TO

1oz-700-884  
APOLLO INC  
PO BOX 7305  
1207 W COLUMBIA DR  
KENNEWICK WA 99336-3459

JOB ADDRESS

APOLLO INC  
1080 HUBBORD AVE  
COEUR D'ALENE, ID 83814  
509-948-2803

RECEIVED BY MARCOS, TONY	CONTRACT NO. 88773156
PURCHASE ORDER NO. P162	
JOB NO. 162	
BRANCH POST FALLS ID PC124 573 N IDAHLINE RD POST FALLS, ID 83854 208-777-4585	

QTY	EQUIPMENT #	Min	Day	Week	4 Week	Amount
1	185CFM 125PSI DIESEL AIR COMPRESSOR 933084 Make: ATLAS COPC Model: XAS185 Ser #: HOP045017 HR OUT: 1445.000 HR IN:	115.00	115.00	315.00	630.00	630.00
2	3/4" X 50' AIR COMPRESSOR HOSE	7.00	7.00	50.00	80.00	160.00
Rental Sub-total:						790.00
SALES ITEMS:						
Qty	Item number	Unit	Price			
1	ENVIRONMENTAL 2133 ENVIRONMENTAL FREIGHT :	EA	10.080			
BILLED FOR FOUR WEEKS 4/16/19 THRU 5/13/19.						65.00



**APOLLO, INC.**  
**MAY 03 2019**  
**RECEIVED**

**Equipment. Service. Guaranteed.**

REMIT TO:

SUNBELT RENTALS, INC.  
PO BOX 409211  
ATLANTA, GA 30384-9211

NET DUE UPON RECEIPT

Invoices not paid within 30 days may be subject to a 1-1/2% per month charge.

SUBTOTAL	865.08
SALES TAX	48.00
INVOICE TOTAL	913.08



**INVOICE**  
 SEND ALL PAYMENTS TO:  
 SUNBELT RENTALS, INC.  
 PO BOX 409211  
 ATLANTA, GA 30384-9211

INVOICE NO.	88773156-0002
ACCOUNT NO.	305018
INVOICE DATE	4/22/19
PAGE	1 of 1

INVOICE TO

tel - 541 - 638  
 APOLLO INC  
 PO BOX 7305  
 1207 W COLUMBIA DR  
 KENNEWICK WA 99336-3459

JOB ADDRESS

APOLLO INC  
 1080 HUBBORD AVE  
 COEUR D'ALENE, ID 83814  
 509-948-2803

RECEIVED BY MARCOS, TONY	CONTRACT NO. 88773156
PURCHASE ORDER NO. P162	
JOB NO. 162	
BRANCH POST FALLS ID PC124 573 N IDAHLINE RD POST FALLS, ID 83854 208-777-4585	

QTY	EQUIPMENT #	Min	Day	week	4 week	Amount
1	65 LB AIR HAMMER 942791 Make: ATLAS COPC Model: TEXP60 Ser #: MHN175286 Billed from 4/16/19 thru 4/22/19	55.00	55.00	270.00	485.00	192.50
Rental Sub-total:						192.50
SALES ITEMS:						
Qty	Item number	Unit	Price			
1	DLPKSRCHG	EA	19.500			19.50
TRANSPORTATION SURCHARGE						
FREIGHT :						65.00
Billing period: 4/16/19 08:00 AM THRU 4/22/19 11:14 AM.						



**Equipment. Service. Guaranteed.**

REMIT TO:

SUNBELT RENTALS, INC.  
 PO BOX 409211  
 ATLANTA, GA 30384-9211

NET DUE UPON RECEIPT

Invoices not paid within 30 days may be subject to a 1-1/2% per month charge.

SUBTOTAL	277.00
SALES TAX	12.72
INVOICE TOTAL	289.72

PARTIAL RETURN



Five Star Concrete Inc.  
4307 S Fossean Rd  
Spokane WA 99224



## Invoice

Date	Invoice #
9/19/2018	06-002-1776

Bill To
Apollo Inc. PO Box 7305 1133 W Columbia Dr. Kennewick WA 98535

P.O. No.	Terms	Project
P162		

Description	Unit of Measurement	Quantity	Rate	Amount
Waste water treatment plant Labor to place and finish concrete slabs	LS	1	800.00	800.00
Thank you for your business.			<b>Total</b>	800.00

Phone #	Fax #	Email
509-226-1189	509-226-1159	bill@5starconcrete.com

Five Star Concrete Inc.

4307 S Fossean Rd  
Spokane WA 99224



# Invoice

Date	Invoice #
4/30/2019	06-002-3903

Bill To
Apollo Inc. PO Box 7305 1133 W Columbia Dr. Kennewick WA 99336

P.O. No.	Terms	Project

Description	Unit of Measure	Qty	Rate	Amount
WWTP Place and finish 1,745SF of 6" concrete  Subgrade/gravel preparation by others. General to provide adequate survey, staking/layout, testing and traffic control. Excludes cold weather protection/placement. Final quantities to be field measured. Price is to place and finish only.	LS	1	5,235.00	5,235.00
			1/2 Gantry Crane Slab \$2,617.58	
Thank you for your business.			<b>Total</b>	\$5,235.00

Phone #	Fax #	E-mail
509-226-1189	509-226-1159	fivestar@5starconcrete.com



2205 E BROOKLYN AVE - SPOKANE, WA 99217

(509) 325-4575

(509) 325-5050

## Invoice

WWW.WILBERTPRECAST.COM

DATE	INVOICE #
5/15/2018	1076297

BILL TO
Apco, Inc. PO BOX 7305 Kennewick, WA 99336 United States

DESCRIPTION/LOCATION
CDM WASTEWATER TREATMENT

P.O. NUMBER	TERMS	REP	SHIP DATE	TRUCK #	Ticket #
CRAK1	Net 30	JG		DERON 140	46790
ITEM CODE	QTY	DESCRIPTION		PRICE EACH	AMOUNT
1827-Type 1 CB	1	DOT Type 1 Catch Basin 1920#		210.00	210.00T
1831-2" Riser "S"	1	Riser "S" - 2" 80#		60.00	60.00T
1831-4" Riser "S"	1	Riser "S" - 4" 200#		65.00	65.00T
D&L 1-4431 III	1	CI Reversible Frame, 18"x24" Gate - Herringbone		240.00	240.00T
9907-140	1	Truck #140 Delivery		175.00	175.00
		Sales Tax-Idaho		6.00%	34.50
				<b>Total</b>	5754.50

Finance Charges will accrue at 1.5% on accounts past due.



584 W Wyoming Rd  
Rathdrum, ID 83858

Apella Inc - East  
PO Box 7305  
Kennewick, WA 98538

incso@apella-gc.com

Customer No: 70353  
Invoice No: 389352  
Inv Date: 09/11/18  
Page: Page 1 of 1

Interstate Concrete & Asphalt  
584 W Wyoming Rd  
Rathdrum, ID 83858  
208-755-1144

Delivered To: HUBBARD AVE(CA) WWTP PROJECT

Ordered By: KEVIN

Date	Code - Material Description	QTY	UM	List Price	Unit	Mat Total	Inst Total	Tax	Total
	<b>Plant: 05709 - ICA-CDA-Wyoming Rd/Rush Concret</b>								
09/11/18	38947 - 4.5-3K/3K" C/TPOR, W/A	10.00	CY	89.25	0.00	892.50	0.00	53.87	946.37
09/11/18	40755 - T/C SURCHARGE	1.00	EA	0.00	0.00	0.00	0.00	0.00	0.00
09/11/18	45700 - ENVIRONMENTAL SURCHARGE	10.00	EA	3.00	0.00	30.00	0.00	1.80	31.80
	<b>Total Invoice:</b>	<b>21.00</b>				<b>922.50</b>	<b>0.00</b>	<b>55.67</b>	<b>978.17</b>

Ticket number(s) shipped from plant 05709 - ICA-CDA-Wyoming Rd/Rush Concret  
\*3481564

**Invoice Taxing Authority Summary:**

00000 Idaho State Tax

\$5.77

Our Customer Portal is now available! Register at [MYMATERIALSPORTAL.COM](http://MYMATERIALSPORTAL.COM) or call accounts receivable at (509) 534-6221 for assistance.

Finance Charges will be applied to any late invoices at a rate of 1.5% per month per credit agreement or the State's Legal Amount

Invoice Amount: 985.27

Amount Paid: \_\_\_\_\_

Customer Name: Apella Inc - East  
Customer No: 70353  
Invoice #: 389352  
Date: 09/11/18

If you have any questions about your invoice please call 208-755-1144

Recent Payment To: Interstate Concrete & Asphalt  
P.O. Box 742347  
Los Angeles, CA 90074

Due Date: 10/13/18



8849 W Wyoming Rd  
Rathton, ID 83358

Customer No: 10358  
Invoice No: 416403  
Inv Date: 04/24/19  
Page: Page 1 of 1

Customer Job: EXT SLAB

Apollo Inc.-East  
AP Megan: megan.sibley@apollo-gc.com  
PO Box 7305  
Kennewick WA 99336

incap@apollo-gc.com

Interstate Concrete & Asphalt  
8849 W Wyoming Rd  
Rathton, ID 83358  
208-763-1144

Delivered To: 765 W HUBBARD AVE - CDA

Ordered By: TONY

Date	Code	Material Description	QTY	UM	Unit Price	Haul QTY	Mat Total	Haul Total	Tax	Total
Plant: 05709 ICA-CDA-Wyoming Rd/Rath Concret										
04/24/19	308567	6.5 SK 34" EXTERIOR, WRA	35.00	CY	99.95	0.00	3,488.25	0.00	195.20	3,683.45
04/24/19	467755	FUEL SURCHARGE	4.00	EA	0.00	0.00	0.00	0.00	0.00	0.00
04/24/19	487003	ENVIRONMENTAL SURCHARGE	35.00	EA	3.49	0.00	122.15	0.00	8.05	130.20
Total Invoice:			74.00				\$2510.40	0.00	195.20	3,445.60

Ticket number(s) shipped from plant 05709 - ICA-CDA-Wyoming Rd/Rath Concret  
\*3489183 \*3489174 \*3489183 \*3489200

24.5cy extra sidewalks \$2,413.91

**Invoice Taxing Authority Summary:**

ID1000 Idaho State Tax 195.20

Our Customer Portal is now available! Register at [MYMATERIALSPORTAL.COM](http://MYMATERIALSPORTAL.COM) or call accounts receivable at (509) 534-6224 for assistance.

Finance Charges will be applied to any late invoices at a rate of 1.5% per month per credit agreement or the State's Lawful Amount.

Invoice Amount: 3,440.45

Amount Paid: \_\_\_\_\_

Customer Name: Apollo Inc.-East  
Customer No: 10358  
Invoice #: 416403  
Date: 04/24/19  
Customer Job: EXT SLAB  
Due Date: 05/10/19

If you have any questions about your invoice please call 208-765-1144

Remit Payment To: Interstate Concrete & Asphalt  
P.O. Box 742347  
Los Angeles, CA 90074

Please provide your email address below if you would like to start receiving your invoices via email.



**Work Change Directive**  
**Project: City of Coeur d'Alene Tertiary Treatment Phase 2**  
**Apollo Inc.**

WCD No: 38Rev1  
 Item No: 1  
 Date: 8/29/19

*Item Description: ACP Changes*

Description	Qty	U of M	Rate	Labor	Unit	Rate	Mat	Unit	Rate	Equip.	Subcont. Total	Total
<b>APOLLO - PROJECT SUPERVISION COSTS</b>												
Project Manager	8.0	HR	\$ 90.00	\$ 720.00								\$ 720.00
Project Superintendent	0.0	HR	\$ 79.56	\$ -								\$ -
Site Civil Superintendent	48.0	HR	\$ 68.08	\$ 3,267.84								\$ 3,267.84
<b>APOLLO - CRAFT LABOR COSTS</b>												
<b>Laborers</b>												
General	44.0	HR	\$ 34.36	\$ 1,511.84								\$ 1,511.84
<b>APOLLO - OPERATED EQUIPMENT</b>												
<b>Excavator - CAT 303</b>												
+ Operator	0.0	HR	\$ 45.84	\$ -								\$ -
+ Operating Costs	20.0							HRLY	\$ 19.42	\$ 388.40		\$ 388.40
<b>Finish Blade</b>												
+ Operator	-44.0	HR	\$ 45.84	\$ (2,016.96)								\$ (2,016.96)
+ Operating Costs	-44.0							HRLY	\$ 122.39	\$ (5,385.16)		\$ (5,385.16)
<b>Loader - CAT 950H</b>												
+ Operator	34.0	HR	\$ 45.84	\$ 1,558.56								\$ 1,558.56
+ Operating Costs	34.0							HRLY	\$ 73.23	\$ 2,489.82		\$ 2,489.82
<b>APOLLO - MATERIAL COSTS</b>												
Delete 4" Rock (4,122SY)	700tr					CY	\$ (12.00)	\$ (8,400.00)				\$ (8,400.00)
Add 4" Rock under new ACP (1,079SY)	185tr					CY	\$ 12.00	\$ 2,220.00				\$ 2,220.00
Dump Fees	125.0					LS	\$ 5.00	\$ 625.00				\$ 625.00
Sawcut	1.0					LS	\$ 350.00	\$ 350.00				\$ 350.00
Apollo - Subtotal Direct Costs >				\$ 5,041.28				\$ (5,205.00)		\$ (2,506.94)		\$ (2,670.66)
Markup on Self-Performed Labor, Mat's & Equipment >	5.0%			\$ 252.06				\$ (260.25)		\$ (125.35)		\$ (133.53)
<b>SUBCONTRACTOR COSTS</b>												
Interstate (1,079 SY)	1.0										\$ 19,799.65	\$ 19,799.65
Subtotal Subcontractors Costs >											\$ 19,799.65	\$ 19,799.65
Markup on Subcontractor Costs >	5.0%										\$ 989.98	\$ 989.98
<b>SUPPLEMENTAL COSTS</b>												
Special Consultants											\$ -	\$ -
Subsistence for Project Supervision	24.0				HR	\$ 11.25	\$ 270.00					\$ 270.00
Temporary Facilities at the Site					LS	\$ -	\$ -					\$ -
Small Tools	1.0				LS	\$ 151.24	\$ 151.24					\$ 151.24
Subtotal Supplementary Costs >							\$ 421.24				\$ -	\$ 421.24
Markup on Supplementary Costs >	0.0											

<b>Contractor - Total Direct Costs w/Markup &gt;</b>	<b>\$ 18,406.68</b>
Insurance Premium .5% - Changed Work >	\$ 92.03
Bond Premium .75% - Changed Work >	\$ 138.05
<b>TOTAL LUMP SUM COST &gt;</b>	<b>\$ 18,636.76</b>

Credit 88 operated finish blade hours for 4" rock section removal.

	Low P & Primary Grading Changes								ACP Changes	
	Low P	9/4/18	9/5/18	9/6/18	9/10/18	9/18/18	9/28/18	4/17/19	Total	5/9 & 5/13/19
<b>Labor</b>										
Craig Jenne (Super)	8	10	5	4	4	6	2		39	
Chris Bolten (For)		6	5	4	4		2		21	
Brent Stewart	8								8	
Wylie Jenne (Lab)		9	5	4	4			15	37	44
Scott Miller (Lab)							2		2	
Mark Thomas (Blade)									0	44
Al Pino (Lab)								5	5	
Hector Paez (Carp)								10	10	
James Powers (Carp)									0	
Kevin Burke (Super)	21								21	
Ryan Haan (Loader)									0	34
Carpenter	42								42	
Laborer	18								18	
Tony Delapena (Super)								2	2	
Tom O'Neill (Super)									0	48
<b>Equipment Operated</b>										
330		4	5						9	
312						6			6	
950		2	5	2					9	
303		4		4			2		10	
Blade									44	44
Dump Truck									0	
Skidster							2		2	
938 Loader Rental								5	39	34
305 Ex Rental								5	25	20
<b>Equipment Standby (1/3 Operated Hr for Standby)</b>										
330				2	4				6	2
312			5		4				9	3
950					4	6			10	3
303			5						5	2
Dump Truck		2	5	2	4				13	4



...Building People Who Build Great Things

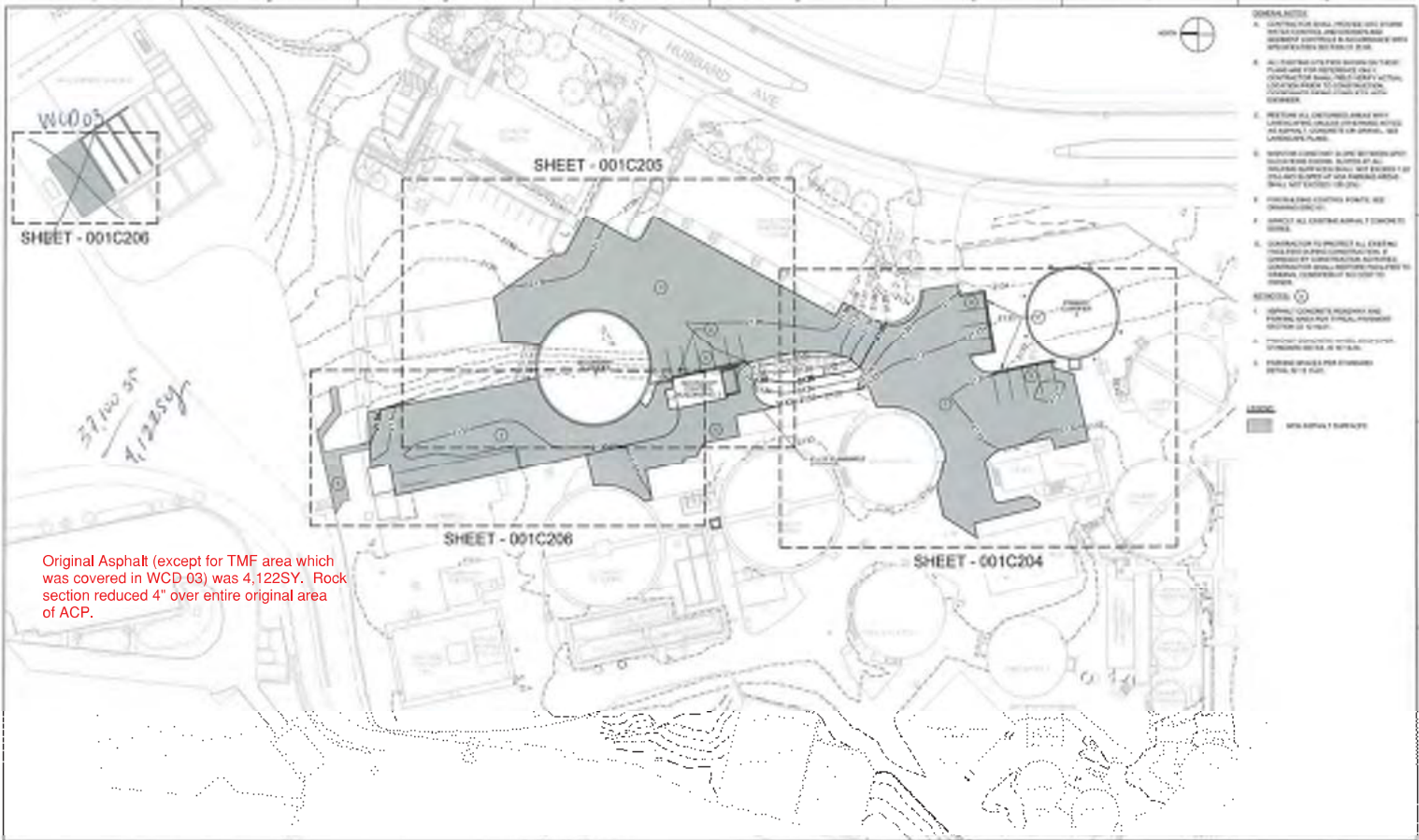
# Daily Report of Force Account Worked

Contract Number	Date May 9th 13th	Item Number	Item Name WCD # 38
Prime Contractor		Subcontractor / Lower Tier Subcontractor	
Line / Station	Group	Basis of Material Acceptance	RAMS Number
Description of Work Performed Remove Asphalt			

Time Worked Record							
	Workers and/or Equipment Working	Occupation of Workers or Equipment Size	Hours Worked		Reg. Rate	O.T. Rate	Amount
			Reg.	O.T.			
1	Tom Oweil		20		28		These hours to place rock & prep finish grade in extra pave area. 1,079SY
2	Mark Thomas	Operative finish blade	20		24		
3	Ryan haaw	Operator Loader	10		24		
4	Al Pivo	Laborer concrete	20		24		
5	Wylie Jenne	Laborer grade checker	20		24		
6							
7							
8	Remove Asphalt						
9	CAT Equipment						
10	305 mini ex						
11	948 Loader						
12							
13							
14							
15							
16							
17							
18							
19							
20							
Calculated By		Date	Checked By		Date	Total	

Ledger Entry Number	Entered By	Date	Entry Verified	Date
---------------------	------------	------	----------------	------

Inspector's Signature	Contractor's Representative Signature	Title
-----------------------	---------------------------------------	-------



- GENERAL NOTES**
1. CONTROL EROSION, PREVENT SOIL STORM RUNOFF, CONTROL POLLUTION AND MAINTAIN CONTROLLED EROSION AND SEDIMENTATION CONTROL MEASURES THROUGHOUT CONSTRUCTION.
  2. ALL EROSION CONTROL MEASURES SHALL BE INSTALLED AND MAINTAINED THROUGHOUT CONSTRUCTION AND SHALL NOT BE REMOVED UNTIL AFTER CONSTRUCTION IS COMPLETE AND THE AREA IS RESTORED TO ORIGINAL OR BETTER CONDITION.
  3. RESTORE ALL DISTURBED AREAS WITH LATERALS AND/OR CHANNELS TO ORIGINAL OR BETTER CONDITION. ALL EROSION CONTROL MEASURES SHALL BE INSTALLED AND MAINTAINED THROUGHOUT CONSTRUCTION AND SHALL NOT BE REMOVED UNTIL AFTER CONSTRUCTION IS COMPLETE AND THE AREA IS RESTORED TO ORIGINAL OR BETTER CONDITION.
  4. RESTORE ALL DISTURBED AREAS WITH LATERALS AND/OR CHANNELS TO ORIGINAL OR BETTER CONDITION. ALL EROSION CONTROL MEASURES SHALL BE INSTALLED AND MAINTAINED THROUGHOUT CONSTRUCTION AND SHALL NOT BE REMOVED UNTIL AFTER CONSTRUCTION IS COMPLETE AND THE AREA IS RESTORED TO ORIGINAL OR BETTER CONDITION.
  5. RESTORE ALL DISTURBED AREAS WITH LATERALS AND/OR CHANNELS TO ORIGINAL OR BETTER CONDITION. ALL EROSION CONTROL MEASURES SHALL BE INSTALLED AND MAINTAINED THROUGHOUT CONSTRUCTION AND SHALL NOT BE REMOVED UNTIL AFTER CONSTRUCTION IS COMPLETE AND THE AREA IS RESTORED TO ORIGINAL OR BETTER CONDITION.
  6. RESTORE ALL DISTURBED AREAS WITH LATERALS AND/OR CHANNELS TO ORIGINAL OR BETTER CONDITION. ALL EROSION CONTROL MEASURES SHALL BE INSTALLED AND MAINTAINED THROUGHOUT CONSTRUCTION AND SHALL NOT BE REMOVED UNTIL AFTER CONSTRUCTION IS COMPLETE AND THE AREA IS RESTORED TO ORIGINAL OR BETTER CONDITION.
  7. RESTORE ALL DISTURBED AREAS WITH LATERALS AND/OR CHANNELS TO ORIGINAL OR BETTER CONDITION. ALL EROSION CONTROL MEASURES SHALL BE INSTALLED AND MAINTAINED THROUGHOUT CONSTRUCTION AND SHALL NOT BE REMOVED UNTIL AFTER CONSTRUCTION IS COMPLETE AND THE AREA IS RESTORED TO ORIGINAL OR BETTER CONDITION.
  8. RESTORE ALL DISTURBED AREAS WITH LATERALS AND/OR CHANNELS TO ORIGINAL OR BETTER CONDITION. ALL EROSION CONTROL MEASURES SHALL BE INSTALLED AND MAINTAINED THROUGHOUT CONSTRUCTION AND SHALL NOT BE REMOVED UNTIL AFTER CONSTRUCTION IS COMPLETE AND THE AREA IS RESTORED TO ORIGINAL OR BETTER CONDITION.
- LEGEND**
- ASPHALT SURFACE

Original Asphalt (except for TMF area which was covered in WCD 03) was 4,122SY. Rock section reduced 4" over entire original area of ACP.



NO.	DATE	DESCRIPTION
1	08/11/2011	ISSUED FOR PERMIT
2	08/11/2011	ISSUED FOR PERMIT
3	08/11/2011	ISSUED FOR PERMIT
4	08/11/2011	ISSUED FOR PERMIT
5	08/11/2011	ISSUED FOR PERMIT
6	08/11/2011	ISSUED FOR PERMIT
7	08/11/2011	ISSUED FOR PERMIT
8	08/11/2011	ISSUED FOR PERMIT
9	08/11/2011	ISSUED FOR PERMIT
10	08/11/2011	ISSUED FOR PERMIT

PROJECT NUMBER	PROJECT NAME
10000000000000000000	10000000000000000000
10000000000000000000	10000000000000000000
10000000000000000000	10000000000000000000
10000000000000000000	10000000000000000000
10000000000000000000	10000000000000000000
10000000000000000000	10000000000000000000
10000000000000000000	10000000000000000000
10000000000000000000	10000000000000000000
10000000000000000000	10000000000000000000
10000000000000000000	10000000000000000000

CONTRACT DOCUMENTS AND SPECIFICATIONS SHALL BE USED AS SHOWN AND SHALL BE SUPPLEMENTED BY THE CONTRACT DOCUMENTS AND SPECIFICATIONS FOR THIS PROJECT. THE CONTRACT DOCUMENTS AND SPECIFICATIONS SHALL BE USED AS SHOWN AND SHALL BE SUPPLEMENTED BY THE CONTRACT DOCUMENTS AND SPECIFICATIONS FOR THIS PROJECT. THE CONTRACT DOCUMENTS AND SPECIFICATIONS SHALL BE USED AS SHOWN AND SHALL BE SUPPLEMENTED BY THE CONTRACT DOCUMENTS AND SPECIFICATIONS FOR THIS PROJECT.



City of Couer d'Alene  
Advanced Wastewater Treatment Facility  
Tertiary Treatment Phase 2

**SITE CIVIL GRADING AND PAVING PLAN (OVERALL)**

SCALE: 1" = 10'

001C104

# Interstate Concrete & Asphalt

8849 W WYOMING RD • RATHDRUM, ID 83858  
 OFFICE: 208-765-1144 • FAX: 208-687-4597

APOLLO, INC.

OCT 08 2018

RECEIVED

This invoice is for paving at  
 TMF. Paving at TMF was  
 handled under WCD 03 so it is  
 not included in the total amount  
 paved for WCD 38.

To: Apollo Inc.  
 P O Box 7305

Kennewick WA 99336

Invoice: 71 - 717505-2

Date: 9/28/2018

Job Number: 717505

Terms: Net 30 Days

Account: 19884

Customer Reference:

Bill No: 92

*TMF Area  
 N/A  
 Addressed  
 in WCD3*

Page 1 of 1

Please remit payment to: Interstate Concrete & Asphalt PO Box 742347 Los Angeles CA 90074

Job Name: City Of CdA - Advanced Wastewater Treatment Facili

Item	Description	Contract				Completed to Date		Previous Invoices		Current Invoice	
		Units	U/M	Unit Price	Amount	Units	Amount	Units	Amount	Units	Amount
1	Asphalt Pavement 3" Pave Onl	4,495.00	SY	16.15	72,594.25	1,736.00	28,036.40	418.00	7,073.70	1,298.00	20,962.70
2	Trench Patching 3" Pave Only	75.00	SY	57.00	4,275.00	88.00	3,762.00	16.00	3,762.00	0.00	0.00
3	Additional Mobilization	1.00	EA	1,000.00	1,000.00	1.00	1,000.00	0.00	0.00	1.00	1,000.00

*Sant.Walt@oldcastlematerials.com*

Original Contract	\$77,869.25	Subtotal	\$32,798.40	\$10,835.70	\$21,962.70
Change Orders	\$0.00	Retention	\$1,639.93	\$541.79	\$1,098.14
Total Contract	\$77,869.25	Sales Tax/GRT	\$0.00	\$0.00	\$0.00
		ID200	\$31,158.47	\$10,293.91	
		<b>Total Due This Invoice</b>			<b>\$20,864.56</b>

Invoice Notes

A late charge of 1 1/2 % per month which is an annual percentage rate of 18% or \$2.00 whichever is greater, will be charged on all accounts not paid per the terms of the agreement



# Interstate Concrete & Asphalt

8849 W WYOMING RD • RATHDRUM, ID 83858

OFFICE: 208-765-1144 • FAX: 208-687-4597

Invoice: 71 - 717505-3

Date: 10/29/2018

Job Number: 717505

Terms: Net 30 Days

Account: 19884

Customer Reference:

Bill No: 114

To: Apollo Inc.

P O Box 7305

Kernewick

WA 99336

Page 1 of 1

Please remit payment to: Interstate Concrete & Asphalt PO Box 742347 Los Angeles CA 90074

Job Name: City Of CdA - Advanced Wastewater Treatment Facili

Item	Description	Contract				Completed to Date		Previous Invoices		Current Invoice	
		Units	U/W	Unit Price	Amount	Units	Amount	Units	Amount	Units	Amount
1	Asphalt Pavement 3" Pave Onl	4,465.00	SY	16.15	72,594.25	2,593.00	41,876.96	1,736.00	28,036.40	857.00	13,840.55
2	Trench Patching 3" Pave Only	75.00	SY	57.00	4,275.00	66.00	3,762.00	66.00	3,762.00	0.00	0.00
3	Additional Mobilization	1.00	EA	1,000.00	1,000.00	2.00	2,000.00	1.00	1,000.00	1.00	1,000.00

Original Contract	\$77,869.25	Subtotal	\$47,638.95	\$32,798.40	\$14,840.55
Change Orders	\$0.00	Retention	\$2,381.96	\$1,639.93	\$742.03
Total Contract	\$77,869.25	Sales Tax/GRT	\$0.00	\$0.00	\$0.00
		ID200	\$45,256.99	\$31,158.47	
		<b>Total Due This Invoice</b>			<b>\$14,098.52</b>

**Invoice Notes**

A late charge of 1 1/2 % per month which is an annual percentage rate of 18% or \$2.00 whichever is greater, will be charged on all accounts not paid per the terms of the agreement

# Interstate Concrete & Asphalt

8849 W WYOMING RD • RATHDRUM, ID 83858  
 OFFICE: 208-765-1144 • FAX: 208-687-4597

Invoice: 71 - 717505-4

Date: 6/20/2019

Job Number: 717505.

Terms: Net 30 Days

Account: 10358

Customer Reference:

Bill No: 71

To: Apollo Inc.-East

PO Box 7305

Kennewick

WA 99336

Page 1 of 1

Please remit payment to: Interstate Concrete & Asphalt PO Box 742347 Los Angeles CA 90074

Job Name: City Of CdA - Advanced Wastewater Treatment Facili

Item	Description	Contract				Completed to Date		Previous Invoices		Current Invoice	
		Units	U/M	Unit Price	Amount	Units	Amount	Units	Amount	Units	Amount
1	Asphalt Pavement 3" Pave Ont	4,495.00	SY	16.15	72,594.25	2,593.00	41,876.95	2,593.00	41,876.95	0.00	0.00
2	Trench Patching 3" Pave Only	75.00	SY	57.00	4,275.00	66.00	3,762.00	66.00	3,762.00	0.00	0.00
3	Additional Mobilization	1.00	EA	1,000.00	1,000.00	4.00	4,000.00	2.00	2,000.00	2.00	2,000.00
4	Asphalt Pavement 3" Pave Ont	3,046.00	SY	18.35	55,894.10	3,046.00	55,894.10	0.00	0.00	3,046.00	55,894.10

*Total for project w/out TME Area  
5,201 sy*

*2,593sy + 3,046sy - 438sy(TMF) = 5,201sy  
 The paving unit price for the third mobilization increased to 18.35/sf. That is why it is listed on two separate line items.*

Original Contract	\$77,869.25	Subtotal	\$105,533.05	\$47,638.95	\$57,894.10
Change Orders	\$55,894.10	Retention	\$5,276.67	\$2,381.96	\$2,894.71
Total Contract	\$133,763.35	Sales Tax/GRT	\$0.00	\$0.00	\$0.00
		ID200	\$100,256.38	\$45,256.99	
			<b>Total Due This Invoice</b>		<b>\$54,999.39</b>

Invoice Notes

A late charge of 1 1/2 % per month which is an annual percentage rate of 18% or \$2.00 whichever is greater, will be charged on all accounts not paid per the terms of the agreement.

Date of Issuance: 06/15/19 Effective Date: 06/15/19
Owner: City of Coeur d'Alene, ID Owner's Contract No.:
Contractor: Apollo Contractor's Project No.:
Engineer: HDR Engineer's Project No.: 10026247
Project: CDA Tertiary Phase 2 Improvements Contract Name:

Contractor is directed to proceed promptly with the following change(s):

Description:

1) Modify existing asphalt placement plan to incorporate new limits as discussed in the field and as detailed in the attachments.

Attachments:

1) 001C105, 001C204, 001C205

Purpose for Work Change Directive:

Directive to proceed promptly with the Work described herein, prior to agreeing to changes on Contract Price and Contract Time, is issued due to:

- Non-agreement on pricing of proposed change.
Necessity to proceed for schedule or other Project reasons.

Estimated Change in Contract Price and Contract Times (non-binding, preliminary):

Contract Price \$ TBD increase
Contract Time 0 days

Basis of estimated change in Contract Price:

- Lump Sum Unit Price
Cost of the Work Other

RECOMMENDED:

AUTHORIZED BY:

RECEIVED:

By: [Signature]

By: [Signature]

By: [Signature]

Engineer (Authorized Signature)

Owner (Authorized Signature)

Contractor (Authorized Signature)

Title: Project Manager

Title: Wastewater Superintendent

Title: VP

Date: 06/15/19

Date: 9/11/2019

Date: 9/11/19

WCD 039

ROOF DRAIN PIPING RECONFIGURATION



June 19, 2019

Apollo, Inc.  
1133 West Columbia Drive  
Kennewick, WA 99336

Attn: Amy Jenne

Re: Coeur d'Alene Tertiary Treatment Phase 2 project  
WCD 039 – Roof Drain Mods  
Engineer's Decision

Amy,

We have reviewed your credit proposal for WCD 039 – Roof Drain Mods. We have found your submitted credit proposal to be acceptable. However, the markup on self-performed labor, materials and equipment was calculated at 5% rather than 15% as specified in the Contract Documents. We have adjusted the markup percentage which resulted in an additional \$208.52 credit.

A total credit of \$2,427.95 (\$2,216.83 + \$208.52) and a total of 0 calendar days will be included in the forthcoming final Change Order.

Sincerely,  
HDR Engineering, Inc.

A handwritten signature in blue ink, appearing to read 'Todd Jensen'.

Todd Jensen, PE, CCM  
*Construction Manager*

cc: Jim Remitz – City of Coeur d'Alene Wastewater Department  
Rickey Schultz – HDR  
Mike Soucie – HDR  
Mary Scalise – HDR







**/// BUILDING PEOPLE WHO BUILD GREAT THINGS**

**Work Change Directive**

Project: City of Coeur d'Alene Tertiary Treatment Phase 2  
 Apollo Inc.

WCD No: 39

Date: 05/16/19

Description	Labor	Mat	Equip.	Subcont. Total	Supp Total	Total
Roof Drain Mods	\$ (1,054.62)	\$ (210.00)	\$ (924.84)	\$ -	\$ -	\$ (2,189.46)
<b>SUBTOTAL COST &gt;</b>						<b>\$ (2,189.46)</b>
Insurance Premium .5% - Changed Work >						\$ (10.95)
Bond Premium .75% - Changed Work >						\$ (16.42)
<b>TOTAL LUMP SUM COST &gt;</b>						<b>\$ (2,216.83)</b>

**Work Change Directive**

Project: City of Coeur d'Alene Tertiary Treatment Phase 2

Apollo Inc.

WCD No: 39

Item No: 1

Date: 5/16/19

*Item Description: Roof Drain Mods*

Description	Qty	U of M	Rate	Labor	Unit	Rate	Mat	Unit	Rate	Equip.	Subcont. Total	Total
<b>APOLLO - PROJECT SUPERVISION COSTS</b>												
Project Manager	1.0	HR	\$ 90.00	\$ 90.00								\$ 90.00
Project Superintendent	0.0	HR	\$ 79.56	\$ -								\$ -
Site Civil Superintendent	-8.0	HR	\$ 68.08	\$ (544.64)								\$ (544.64)
<b>APOLLO - CRAFT LABOR COSTS</b>												
<b>Laborers</b>												
Pipelayer	-16.0	HR	\$ 34.36	\$ (549.76)								\$ (549.76)
<b>APOLLO - OPERATED EQUIPMENT</b>												
<b>Excavator - CAT 330CL</b>												
+ Operator		HR	\$ 45.84	\$ -								\$ -
+ Operating Costs	-6.0							HRLY	\$ 122.39	\$ (734.34)		\$ (734.34)
<b>Loader - CAT 950H</b>												
+ Operator		HR	\$ 45.84	\$ -								\$ -
+ Operating Costs	-2.0							HRLY	\$ 73.23	\$ (146.46)		\$ (146.46)
<b>APOLLO - MATERIAL COSTS</b>												
Pipe	1.0				LS	\$ (200.00)	\$ (200.00)					\$ (200.00)
							\$ -					\$ -
							\$ -					\$ -
Apollo - Subtotal Direct Costs >				\$ (1,004.40)			\$ (200.00)			\$ (880.80)		\$ (2,085.20)
Markup on Self-Performed Labor, Mat'ls & Equipment >	5.0%			\$ (50.22)			\$ (10.00)			\$ (44.04)		\$ (104.26)

<b>Contractor - Total Direct Costs w/Markup &gt;</b>	<b>\$ (2,189.46)</b>
Insurance Premium .5% - Changed Work >	\$ (10.95)
Bond Premium .75% - Changed Work >	\$ (16.42)
<b>TOTAL LUMP SUM COST &gt;</b>	<b>\$ (2,216.83)</b>

WCD 040

PSPS PUMP ROOM MODIFICATIONS



July 24, 2019

Apollo, Inc.  
1133 West Columbia Drive  
Kennewick, WA 99336

Attn: Amy Jenne

Re: Coeur d'Alene Tertiary Treatment Phase 2 Project  
WCD 040 – PSP Pump Room Mods  
Engineer's Decision

Amy,

We have reviewed your cost proposal for WCD 040 – PSP Pump Room Mods. We have found your submitted cost proposal to be acceptable.

A total cost of \$10,612.56 and a total of 0 calendar days will be included in the forthcoming final Change Order.

Sincerely,  
HDR Engineering, Inc.

A handwritten signature in blue ink, appearing to read 'Todd Jensen'.

Todd Jensen, PE, CCM  
*Construction Manager*

cc: Mike Anderson – City of Coeur d'Alene Wastewater Department  
Rickey Schultz – HDR  
Mike Soucie – HDR  
Mary Scalise – HDR





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**Work Change Directive**

Project: City of Coeur d'Alene Tertiary Treatment Phase 2  
 Apollo Inc.

WCD No: 40

Date: 06/19/19

Description	Labor	Mat	Equip.	Subcont. Total	Supp Total	Total
PSP Pump Room Mods	\$ 6,656.02	\$ 3,279.19	\$ -	\$ 372.70	\$ 173.64	\$ 10,481.54

**SUBTOTAL COST > \$ 10,481.54**

Insurance Premium .5% - Changed Work > \$ 52.41

Bond Premium .75% - Changed Work > \$ 78.61

**TOTAL LUMP SUM COST > \$ 10,612.56**

**Work Change Directive**  
**Project: City of Coeur d'Alene Tertiary Treatment Phase 2**  
**Apollo Inc.**

WCD No: 40  
 Item No: 1  
 Date: 6/19/19

*Item Description: PSP Pump Room Mods*

Description	Qty	U of M	Rate	Labor	Unit	Rate	Mat	Unit	Rate	Equip.	Subcont. Total	Total
<b>APOLLO - PROJECT SUPERVISION COSTS</b>												
Project Manager	2.0	HR	\$ 90.00	\$ 180.00								\$ 180.00
Project Superintendent	0.0	HR	\$ 79.56	\$ -								\$ -
Site Civil/Mech Superintendent	8.0	HR	\$ 68.08	\$ 544.64								\$ 544.64
<b>APOLLO - CRAFT LABOR COSTS</b>												
<b>Carpenters</b>												
Carpenters	16.0	HR	\$ 38.37	\$ 613.92								\$ 613.92
<b>Laborers</b>												
General	16.0	HR	\$ 34.36	\$ 549.76								\$ 549.76
<b>Pipefitter</b>												
Pipefitter	64.0	HR	\$ 60.93	\$ 3,899.52								\$ 3,899.52
<b>APOLLO - MATERIAL COSTS</b>												
Concrete Supplies	1.0				LS	\$ 500.00	\$ 500.00					\$ 500.00
Misc. Supplies	1.0				LS	\$ 250.00	\$ 250.00					\$ 250.00
HD Fowler Pipe Supplies	1.0				LS	\$ 2,101.47	\$ 2,101.47					\$ 2,101.47
Apollo - Subtotal Direct Costs >				\$ 5,787.84			\$ 2,851.47			\$ -		\$ 8,639.31
Markup on Self-Performed Labor, Mat'l's & Equipment >	15.0%			\$ 868.18			\$ 427.72			\$ -		\$ 1,295.90
<b>SUBCONTRACTOR COSTS</b>												
Mountain States Electric	1										\$ 354.95	\$ 354.95
	0										\$ -	\$ -
Subtotal Subcontractors Costs >											\$ 354.95	\$ 354.95
Markup on Subcontractor Costs >	5.0%										\$ 17.75	\$ 17.75
<b>SUPPLEMENTAL COSTS</b>												
Special Consultants											\$ -	\$ -
Subsistence for Project Supervision					HR	\$ 11.25	\$ -					\$ -
Temporary Facilities at the Site					LS	\$ -	\$ -					\$ -
Small Tools	3.0%				LS	\$ 173.64	\$ 173.64					\$ 173.64
Subtotal Supplementary Costs >						\$ 173.64					\$ -	\$ 173.64
Markup on Supplementary Costs >	0.0											

**Contractor - Total Direct Costs w/Markup > \$ 10,481.54**

Insurance Premium .5% - Changed Work > \$ 52.41

Bond Premium .75% - Changed Work > \$ 78.61

**TOTAL LUMP SUM COST > \$ 10,612.56**



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### Daily Report of Force Account Worked

Contract Number	Date <u>July 17-19 2018</u>	Item Number	Item Name <u>WCD #40 PSP Pump mods</u>
Prime Contractor		Subcontractor / Lower Tier Subcontractor	
Line / Station	Group	Basis of Material Acceptance	RAMS Number
Description of Work Performed <u>6" P.S. modifications and modify existing pump base</u>			

Time Worked Record							
	Workers and/or Equipment Working	Occupation of Workers or Equipment Size	Hours Worked		Reg. Rate	O.T. Rate	Amount
			Reg.	O.T.			
1	James Shultz	Pipe fitter	24	✓			
2	Nick	Pipe fitter	24	✓			
3	Hector Paez	Pipe fitter	8	✓			
4							
5	BRIAN	CONCRETE LABORER	16	✓			
6	Hector Paez	FORM WORK CARP.	16	✓			
7							
8							
9	H.D. Fowler:	VIC couplings and					
10		adapters. Regroove					
11		6" spools.					
12							
13	MISC. CONCRETE SUPPLIES.						
14		EPOXY					
15							
16							
17							
18							
19							
20							
Calculated By		Date	Checked By		Date	Total	

Ledger Entry Number	Entered By	Date	Entry Verified	Date
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Inspector's Signature <i>[Signature]</i>	Contractor's Representative Signature	Title
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*5-21-2019*



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# Daily Report of Force Account Worked

Contract Number	Date <b>2-12-19</b>	Item Number	Item Name
Prime Contractor <b>APOLLO INC.</b>		Subcontractor / Lower Tier Subcontractor	
Line / Station	Group	Basis of Material Acceptance	RAMS Number
Description of Work Performed <b>SEAL WATER FOR P.S.P.S PUMP</b>			

Time Worked Record							
	Workers and/or Equipment Working	Occupation of Workers or Equipment Size	Hours Worked		Reg. Rate	O.T. Rate	Amount
			Reg.	O.T.			
1	CHRIS BOLTERS		8				
2							
3							
4	MISC.						
5	PVC Fittings 1/2"						
6	SST PARTS 1/2"						
7	gauge.						
8	3/4" solenoid valve						
9	1/2" needle valve						\$30
10	1/2" ball valve x 2						\$70
11	UNISTRUT						
12	1/2" pipe clamps						
13							<del>\$250</del>
14							
15							
16							
17							
18							
19							
20							
Calculated By		Date	Checked By		Date	Total	

Ledger Entry Number	Entered By	Date	Entry Verified	Date
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Inspector's Signature	Contractor's Representative Signature	Title
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REMIT: PO Box 84368, Seattle, WA 98124

**Invoice Number** **14888985**

BEWH  
# 015290

**Corporate Office**  
3633 136th PI SE, Ste 100, Bellevue, WA 98006  
PO Box 160, Bellevue, WA 98009-0160  
Phone 425-654-8800 \* Fax 425-641-8885

**Bellevue Branch**  
13440 SE 30th St  
Bellevue, WA 98005  
(425) 746-8400 Fax (425) 641-8885

<b>To:</b> APOLLO INC Attn: Accounts Payable PO Box 7305 KENNEWICK WA 99336-0617	<b>Ship to:</b> 915 HUBBARD AVE COEUR D'ALENE ID 83814		
	<b>Order#</b> O5987673	<b>Inv Date:</b> 07/13/18	<b>Order Writer:</b> Matthew Mahan

<b>Terms:</b> 10P+30 <b>FOB:</b> JOBSITE	<b>Due:</b> 09/10/18 <b>Ship Via:</b> UPS - STANDARD	<b>PO/JOB:</b> VIC P162 TERTIARY TREATMENT PHASE
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Line	Qty Ship'd	Qty BO'd	UoM	Part # Description	Unit Price	Extended Price	T X
1	1		EA	6" FLG DI SIZE VIC #341, M GASK, GROOVED	215.55	215.55	
3	1		EA	OUTBOUND FREIGHT CHARGE	- INC -		
						Sub total Freight Tax <b>Grand Total</b>	    215.55   <b>215.55</b>
** New Remittance Address ** PO Box 84368, Seattle, WA 98124-5668					EFT Routing: 121000248 EFT Bank No: 418 545 3362		
TONY D Serving the Pacific Northwest since 1911 <a href="http://www.hdfowler.com">www.hdfowler.com</a>							





REMIT: PO Box 84368, Seattle, WA 98124

Invoice Number **14826824**

PSWH  
# 015290

**Corporate Office**  
3633 136th Pl SE, Ste 100, Bellevue, WA 98006  
PO Box 160, Bellevue, WA 98009-0160  
Phone 425-654-8800 \* Fax 425-641-8885

**Pasco Branch**  
1336 Dietrich Rd  
Pasco, WA 99301  
(509) 545-0255 Fax (509) 545-0299

<b>To:</b> APOLLO INC Attn: Accounts Payable PO Box 7305 KENNEWICK WA 99336-0617		<b>Ship to:</b> 915 HUBBARD AVE COEUR D'ALENE ID 83814	
		<b>Order#</b> O5903571	<b>Inv Date:</b> 05/16/18
		<b>Order Writer:</b> Matthew Mahan	
<b>Terms:</b> 10P+30 <b>FOB:</b> JOBSITE		<b>Due:</b> 07/10/18 <b>Ship Via:</b> UPS - STANDARD	<b>PO/JOB:</b> P162 P162 TERTIARY TREATMENT PHASE

Line	Qty Ship'd	Qty BO'd	UoM	Part # Description	Unit Price	Extended Price	T X
1	4		EA	6" CPLG DI SIZE VIC #31, M GASK, GROOVED	113.26	453.04	
2	2		EA	6" FLG DI SIZE VIC #341, M GASK, GROOVED	175.14	350.28	
						Sub total	803.32
						Freight	
						Tax	
						<b>Grand Total</b>	<b>803.32</b>

**\*\* New Remittance Address \*\***  
PO Box 84368, Seattle, WA 98124-5668

EFT Routing: 121000248  
EFT Bank No: 418 545 3362

TONY D



REMIT: PO Box 84368, Seattle, WA 98124

Invoice Number **14857085**

PSDS # 015290

**Corporate Office**  
 3633 136th Pl SE, Ste 100, Bellevue, WA 98006  
 PO Box 160, Bellevue, WA 98009-0160  
 Phone 425-654-8800 \* Fax 425-641-8885

**Pasco Branch**  
 1336 Dietrich Rd  
 Pasco, WA 99301  
 (509) 545-0255 Fax (509) 545-0299

<b>To:</b> APOLLO INC Attn: Accounts Payable PO Box 7305 KENNEWICK WA 99336-0617		<b>Ship to:</b> 915 HUBBARD AVE COEUR D'ALENE ID 83814	
		<b>Order#</b> O5907997	<b>Inv Date:</b> 06/14/18
		<b>Order Writer:</b> Matthew Mahan	
<b>Terms:</b> 10P+30 <b>FOB:</b> JOBSITE		<b>Due:</b> 08/10/18 <b>Ship Via:</b> VENDOR'S CHOICE	<b>PO/JOB:</b> GLASS P162 TERTIARY TREATMENT PHASE

Line	Qty Ship'd	Qty BO'd	UoM	Part # Description	Unit Price	Extended Price	T X
2	2		EA	6" MJ 45 GLS/AC DOMESTIC	412.07	824.14	
4	1		EA	6" MJ WYE GLASS/BIT DOMESTIC	669.66	669.66	
5	1		EA	8" MJ SLEEVE GLS/AC	413.78	413.78	
9	1		EA	6" X 7' FL X PE GLS/T4A DOMESTIC SPOOL	395.71	395.71	
11	1		EA	6" X 5' FL X PE GLS/T4A DOMESTIC SPOOL	303.22	303.22	
13	1		EA	8" X 3' FL X PE GLS/T4A DOMESTIC SPOOL	304.68	304.68	
						Sub total	2,911.19
						Freight	
						Tax	
						<b>Grand Total</b>	<b>2,911.19</b>

**\*\* New Remittance Address \*\***  
 PO Box 84368, Seattle, WA 98124-5668

EFT Routing: 121000248  
 EFT Bank No: 418 545 3362

TONY D



REMIT: PO Box 84368, Seattle, WA 98124

**Invoice Number** **14746645**

PSDS  
# 015290

**Corporate Office**  
3633 136th Pl SE, Ste 100, Bellevue, WA 98006  
PO Box 160, Bellevue, WA 98009-0160  
Phone 425-654-8800 \* Fax 425-641-8885

**Pasco Branch**  
1336 Dietrich Rd  
Pasco, WA 99301  
(509) 545-0255 Fax (509) 545-0299

<b>To:</b> APOLLO INC Attn: Accounts Payable PO Box 7305 KENNEWICK WA 99336-0617		<b>Ship to:</b> 915 HUBBARD AVE COEUR D'ALENE ID 83814	
		<b>Order#</b> O5812947	<b>Inv Date:</b> 02/13/18
		<b>Order Writer:</b> Matthew Mahan	
<b>Terms:</b> 10P+30 <b>FOB:</b> JOBSITE		<b>Due:</b> 04/10/18 <b>Ship Via:</b> UPS - STANDARD	<b>PO/JOB:</b> SOLENOID P162 TERTIARY TREATMENT PHASE

Line	Qty Ship'd	Qty BO'd	UoM	Part # Description	Unit Price	Extended Price	T X
1	1		EA	3/4" SOLENOID VALVE, 150PSI,NBR SEAT,BRASS BODY, 180DEGREE MAX TEMP, ITEM# 2002884, ASCO 8210G95	258.46	258.46	
						Sub total	258.46
						Freight	
						Tax	
						<b>Grand Total</b>	<b>258.46</b>

**\*\* New Remittance Address \*\***  
PO Box 84368, Seattle, WA 98124-5668

EFT Routing: 121000248  
EFT Bank No: 418 545 3362

TONY



**TIME and MATERIAL COST**

Request No: 47

To: CITY OF CDA - WWTP

Date Of Proposal: 1/4/2019

Job #: 17-010

Regarding: WCD-040

Job Name: CDA TERITARY TREATMENT PHASE 2

Attention: \_\_\_\_\_

Work To Be Done:

PER WCD-040  
CONDUIT AND WIRE FOR ADDED SOLENOID VALVE FOR P-250-04 SEAL WATER

**LABOR CLASSIFICATION**

	<u>RATES</u>			<u>HOURS</u>			<u>EXTENDED</u>
	STRAIGHT	OVERTIME	DBL TIME	STRAIGHT	OVERTIME	DOUBLE TIME	
FOREMAN	\$ 70.99	\$ 95.14	\$ 119.29	5.00			\$ 354.95
JOURNEYMAN	\$ 66.50	\$ 88.47	\$ 110.40				\$ -
APPRENTICE	\$ 41.14	\$ 64.50	\$ 90.55				\$ -
PROJECT MANAGER	\$ 85.00						\$ -

LABOR SUB TOTAL \$ **354.95**

**EQUIPMENT**

COST + 15%	<u>RATES</u>				QUANTITY	<u>EXTENDED</u>
	HOUR	DAY	WEEK	MONTH		

TOOL SUB TOTAL \$ -

**MATERIAL**

COST + 15%	<u>EXTENDED</u>

MATERIAL SUB TOTAL \$ -

**SUB-CONTRACTOR**

COST + 5%	<u>EXTENDED</u>

SUB-CONTRACTOR SUB TOTAL \$ -

**Total Proposed Change Order price: \$ 354.95**

Submitted By: DAVE PERRINS, Project Manager Date: 1/4/2019

Approved By: \_\_\_\_\_ Date: \_\_\_\_\_

Title \_\_\_\_\_

Report selections:	Job: 17010	Superintendent: ALL	From transaction date: Inception
	Phase: CO047	Estimator: ALL	To transaction date: 01/03/19
	Employee: ALL	Project manager: ALL	
	Job status: Active	Division: ALL	

**MOUNTAIN STATES ELECTRICAL  
Payroll Hours Analysis Report  
Phase Detail**

Job: 17010      CDA TERTIARY TREATMENT

Employee Code	Employee Name	Hours			Earnings			Burden Total
		Regular	Overtime	Total	Regular	Overtime	Total	
CO-047	WCD-040							
MCCPET	PETE MCCLURE	5.00		5.00				
<b>Total for phase: CO-047</b>		<b>5.00</b>	<b>0.00</b>	<b>5.00</b>				
<b>Total for job: 17010</b>		<b>5.00</b>	<b>0.00</b>	<b>5.00</b>				
<b>Report totals:</b>		<b>5.00</b>	<b>0.00</b>	<b>5.00</b>				



Date of Issuance: 10/09/18 Effective Date: 10/09/18
Owner: City of Coeur d'Alene, ID Owner's Contract No.:
Contractor: Apollo Contractor's Project No.:
Engineer: HDR Engineer's Project No.: 10026247
Project: CDA Tertiary Phase 2 Improvements Contract Name:

Contractor is directed to proceed promptly with the following change(s):

Description:

In the Primary Sludge Pump Station, perform the following work items:

- 1) Expand the existing reinforced concrete pump pad approximately 12 inches to the south to provide proper support for P-250-04.
2) Revise 6-inch PS to provide 6 inches of clearance between bottom of pipe and the finished floor on the West and North walls of the building. Provide pipe supports across the pipe run.
3) Provide piping and solenoid valve to supply P-250-04 with seal water. Furnish electrical connections to power and control the solenoid valve.

Attachments:

1)

Purpose for Work Change Directive:

Directive to proceed promptly with the Work described herein, prior to agreeing to changes on Contract Price and Contract Time, is issued due to:

- [ ] Non-agreement on pricing of proposed change.
[X] Necessity to proceed for schedule or other Project reasons.

Estimated Change in Contract Price and Contract Times (non-binding, preliminary):

Contract Price \$ TBD increase
Contract Time 0 days

Basis of estimated change in Contract Price:

- [ ] Lump Sum [ ] Unit Price
[X] Cost of the Work [ ] Other

RECOMMENDED:

AUTHORIZED BY:

RECEIVED:

By: [Signature]
Engineer (Authorized Signature)

By: [Signature]
Owner (Authorized Signature)

By: [Signature]
Contractor (Authorized Signature)

Title: Project Manager
Date: 10/09/18

Title: LAP. PROGRAM MGR.
Date: 10-9-2018

Title: VP
Date: 10/15/18

WCD 041

PC3 ROOF FRAMING AND HATCH MODIFICATIONS



June 24, 2019

Apollo, Inc.  
1133 West Columbia Drive  
Kennewick, WA 99336

Attn: Amy Jenne

Re: Coeur d'Alene Tertiary Treatment Phase 2 project  
WCD 041 – PC3 Roof Framing & Hatch  
Engineer's Decision

Amy,

We have reviewed your cost proposal for WCD 041 – PC3 Roof Framing & Hatch. We have found your submitted cost proposal to be acceptable.

A total cost of \$9,091.02 and a total of 0 calendar days will be included in the forthcoming final Change Order.

Sincerely,  
HDR Engineering, Inc.

A handwritten signature in blue ink, appearing to read 'Todd Jensen'.

Todd Jensen, PE, CCM  
*Construction Manager*

cc: Jim Remitz – City of Coeur d'Alene Wastewater Department  
Rickey Schultz – HDR  
Mike Soucie – HDR  
Mary Scalise – HDR



**/// BUILDING PEOPLE WHO BUILD GREAT THINGS**

**Work Change Directive**

Project: City of Coeur d'Alene Tertiary Treatment Phase 2  
 Apollo Inc.

WCD No: 41

Date: 06/18/19

Description	Labor	Mat	Equip.	Subcont. Total	Supp Total	Total
PC3 Roof Framing & Hatch	\$ 3,315.40	\$ 1,637.65	\$ 696.65	\$ 3,242.60	\$ 86.49	\$ 8,978.79
<b>SUBTOTAL COST &gt; \$ 8,978.79</b>						
Insurance Premium .5% - Changed Work > \$						44.89
Bond Premium .75% - Changed Work > \$						67.34
<b>TOTAL LUMP SUM COST &gt; \$ 9,091.02</b>						

**Work Change Directive**  
**Project: City of Coeur d'Alene Tertiary Treatment Phase 2**  
**Apollo Inc.**

**WCD No:** 41  
**Item No:** 1  
**Date:** 6/18/19

*Item Description: PC3 Roof Framing & Hatch*

Description	Qty	U of M	Rate	Labor	Unit	Rate	Mat	Unit	Rate	Equip.	Subcont. Total	Total
<b>APOLLO - PROJECT SUPERVISION COSTS</b>												
Project Manager	4.0	HR	\$ 90.00	\$ 360.00								\$ 360.00
Project Superintendent	30.0	HR	\$ 79.56	\$ 2,386.80								\$ 2,386.80
Site Civil/Mech Superintendent	2.0	HR	\$ 68.08	\$ 136.16								\$ 136.16
<b>APOLLO - OPERATED EQUIPMENT</b>												
<b>Crane - Manitowoc 222</b>												
+ Operator	0.0	HR	\$ 47.41	\$ -								\$ -
+ Operating Costs	6.0							HRLY	\$ 71.10	\$ 426.60		\$ 426.60
<b>Forklift - CAT TH83</b>												
+ Operator		HR	\$ 45.84	\$ -								\$ -
+ Operating Costs	2.0							HRLY	\$ 39.59	\$ 79.18		\$ 79.18
<b>APOLLO - OTHER EQUIPMENT COSTS</b>												
Truck & Trailer	4.0							LS	\$ 25.00	\$ 100.00		\$ 100.00
<b>APOLLO - MATERIAL COSTS</b>												
Pacific Steel Roof Beams	1.0				LS	\$ 924.04	\$ 924.04					\$ 924.04
Paint	1.0				LS	\$ 500.00	\$ 500.00					\$ 500.00
Apollo - Subtotal Direct Costs >				\$ 2,882.96			\$ 1,424.04			\$ 605.78		\$ 4,912.78
Markup on Self-Performed Labor, Mat's & Equipment >	15.0%			\$ 432.44			\$ 213.61			\$ 90.87		\$ 736.92
<b>SUBCONTRACTOR COSTS</b>												
American Ironworks	1										\$ 2,475.00	\$ 2,475.00
PCI Reframe Soffit	1										\$ 613.19	\$ 613.19
	0										\$ -	\$ -
Subtotal Subcontractors Costs >											\$ 3,088.19	\$ 3,088.19
Markup on Subcontractor Costs >	5.0%										\$ 154.41	\$ 154.41
<b>SUPPLEMENTAL COSTS</b>												
Special Consultants											\$ -	\$ -
Subsistence for Project Supervision					HR	\$ 11.25	\$ -					\$ -
Temporary Facilities at the Site					LS	\$ -	\$ -					\$ -
Small Tools	3.0%				LS	\$ 86.49	\$ 86.49					\$ 86.49
Subtotal Supplementary Costs >							\$ 86.49				\$ -	\$ 86.49
Markup on Supplementary Costs >	0.0											

<b>Contractor - Total Direct Costs w/Markup &gt;</b>	<b>\$ 8,978.79</b>
Insurance Premium .5% - Changed Work >	\$ 44.89
Bond Premium .75% - Changed Work >	\$ 67.34
<b>TOTAL LUMP SUM COST &gt;</b>	<b>\$ 9,091.02</b>





# EXTRA WORK ORDER

CUSTOMER: City of Coeur d'Alene	EWO:
ADDRESS: RFI-113 WCD #41	Job #: P 162
WORK ORDERED BY:	JOB NAME: CDA Tertiary Treatment Ph. 2
	DATE: DAY:

Description of Work: *PC3 roof hatch opening additional framing*  
*Order, pick up, transport tube, steel to site. Coordinate*  
*w/Americans IW for install. Cut back decking, install*  
*tubes, secure de*

NAME	CLASS	LABOR HOURS		EQUIPMENT USED DESCRIPTION	HOURS
		ST	OT		
Kevin Burke - coordination		20	✓	222	6 ✓
Kevin Burke - crane		6	✓	Fork lift	2 ✓
Kevin Burke - transport		4	✓	PU + trailer	4 ✓
Craig Jenner - unload		2	✓		
TOTAL EQUIPMENT					

CONTRACT MATERIALS				SUBCONTRACTOR	
DESCRIPTION	QUANTITY	PRICE			
American IW					20
Extreme coating slip					
PCI					
TOTAL SUBCONTRACTOR					

OFFICE USE ONLY: COST SUMMARY						
				LABOR		
				MATERIALS		
				EQUIPMENT		
				TRUCK RENTAL/SUBCONTRACTOR	\$ -	
				SUB-TOTAL	\$ -	
				CH&P - LABOR	\$ -	
				CH&P - EQUIPMENT	\$ -	
				CH&P - MATERIALS	\$ -	
				CH&P - TRUCK RENTAL/SUBCONTRACTOR	\$ -	
TOTAL OUTSIDE MATERIALS					TOTAL AMOUNT	\$ -

Submitted by Apollo Representative

*W. J. Sorensen*  
 Authorized By Project Representative  
 5-21-2019



# AMERICAN IRONWORKS & ERECTORS, INC.

P.O. Box 13248 | Spokane Valley, WA 99213 | (509) 467-7733 | FAX (509) 467-9494 | www.americaniw.com

## Change Order Request (COR) #17100-008

### Apollo, Inc.

1133 W. Columbia Drive

Kennewick, WA 99336

Phone: (509) 586-1104 Fax: (509) 585-3686

Status: Open

Date 9/18/2018

AIE Project # 17100

Project Name CDA Wastewater Treatment Facility

### Work area effected:

### Based Upon ES EF

Description of referenced work: Installing and welding 1/2" plates to the existing tubes in the upper roof. Installing and welding four new tubes in the upper roof for the roof hatch support. The new tubes were installed to be 10'8x10'8" inside dimensions as requested by Kevin with Apollo. Materials were supplied by Apollo and were field modified as required by AIE for installation. Hoisting of these materials was done by Apollo. 9/18/18- Patch decking where decking was cut back for added roof hatch support steel. pin and screw decking to supports.

Related Docs: WAF #006

### This work will add work days to AIE schedule

### TO MITIGATE SCHEDULE DELAY, RESPOND BY: 9/25/2018

Hours	Unit	LABOR COSTS	Unit Price	Total
24.0	Hours	Ironworker	\$74.07	\$1,777.68
			LABOR COST SUBTOTAL	\$1,777.68
Qty	Unit	EQUIPMENT COSTS	Unit Price	Total
10.0	Hours	Wirefeed Welder	\$10.00	\$100.00
10.0	Hours	Gas Welder	\$15.00	\$150.00
			EQUIPMENT COST SUBTOTAL	\$250.00
Qty	Unit	MISCELLANEOUS COSTS	Unit Price	Total
			MISCELLANEOUS COSTS SUBTOTAL	\$0.00
<b>TOTAL LABOR / EQUIPMENT/ MISCELLANEOUS COSTS</b>				<b>\$2,027.68</b>
<b>supervision 0.0% (of labor cost)</b>				<b>\$0.00</b>
<b>small tools 5.0% (of labor cost)</b>				<b>\$88.88</b>
<b>safety 2.0% (of labor cost)</b>				<b>\$35.55</b>
<b>SUBTOTAL</b>				<b>\$2,152.12</b>
<b>profit / overhead 15.0%</b>				<b>\$322.82</b>
<b>B&amp;O Tax 0.0</b>				<b>\$0.00</b>
<b>bond 0.0%</b>				<b>\$0.00</b>
<b>TOTAL PRICE</b>				<b>\$2,475.00</b>



# AMERICAN IRONWORKS & ERECTORS, INC.



P.O. Box 13248 | Spokane Valley, WA 99213 | (509) 467-7733 | FAX (509) 467-9494 | www.americaniw.com

## Work Authorization Form (WAF) #17100-006

### Apollo, Inc.

1133 W. Columbia Drive  
Kennewick, WA 99336

Phone: (509) 586-1104 Fax: (509) 585-3686

Date 09/06/2018

AIE Project# 17100

Project Name CDA Wastewater Treatment Facility

Curr Foreman James Houser

### Related Documents

COR #008

Recurring Condition NO  
Schedule Impact NO  
Status Converted to COR  
Assigned Responsibility G.C.

Description of work: Installing and welding 1/2" plates to the existing tubes in the upper roof. Installing and welding four new tubes in the upper roof for the roof hatch support. The new tubes were installed to be 10'8x10'8" inside dimensions as requested by Kevin with Apollo. Materials were supplied by Apollo and were field modified as required by AIE for installation. Hoisting of these materials was done by Apollo. 9/18/18- Patch decking where decking was cut back for added roof hatch support steel. pin and screw decking to supports.

Work Area Effected: Zone 1 — Clarifier 3 upper roof

Date	Employee Name	Reg	1.5x	2x
9/6/2018	James Houser	10.0	0.0	0.0
9/6/2018	Roger Watson	10.0	0.0	0.0
9/18/2018	Roger Watson	4.0	0.0	0.0
<b>subtotal</b>		<b>24.0</b>	<b>0.0</b>	<b>0.0</b>
<b>total of all hours</b>				<b>24.0</b>

Date	Equipment	Hours
9/6/2018	Wirefeed Welder	10.0
9/6/2018	Gas Welder	10.0
<b>subtotal</b>		<b>20.0</b>

Date	Description	Dollar Value
<b>subtotal</b>		<b>\$0.00</b>

AIE: James Houser

The described work has been performed and the above hours are correct. I have read the terms and conditions printed on this form.

Authorized By:

With: Apollo, Inc.

()

Customer Signature:







# PACIFIC

STEEL & RECYCLING

925 North Oregon Ave PO Box 3035 Pasco, WA 99303-3035 (509) 546-0688

INVOICE		33
Order	3765915	
Invoice	6568069	
Order Date	8/28/2018	
Invoice Date	8/30/2018 15:36:41	
Cust PO	P162	
Ordered By	KEVIN	Salesperson ANGELICA V
Method	Charge-Net 30 days	

\*\*\*\*\* INVOICE \*\*\*\*\*

Bill To	330127	Ship To	330127
<b>APOLLO INC</b> P.O. BOX 7305 KENNEWICK WA 98335 509 586-1104		<b>APOLLO INC</b> P.O. BOX 7305 KENNEWICK WA 98335 509 586-1104	

**Delivery Instructions**

1750 E. AINSWORTH Pasco, WA Pasco, WA

Shipped	Back Ordered	Description	Weight	Price/ Piece	Unit Price	Extended Price
1 EA		6 X 6 X .250 40' SQUARE TUBE	761		1,804.6254 CF	721.61
CUT TO: 2 PCS @ 150" 1 PCS @ 120" SNAP DROPS						
120 IN		6 X 6 X .250 20' SQUARE TUBE 1 Pieces @ 120'	203	202.4300	1,697.7613 CF	202.45

SIGNATURE:		Total Weight :	964	SubTotal	\$924.04
				Total Taxes	\$ 0.00
				<b>Total</b>	<b>\$924.04</b>

TERMS: 100% due in 30 days from invoice date, and an additional .0484% per day late charge. (1% ANNUAL RATE) due for each day late after 30 days. Pacific retains a Purchase Money Security Interest in the merchandise on this invoice, and expressly disclaims any warranties AS NOTED ON REVERSE SIDE.



Date of Issuance: 03/27/19 Effective Date: 03/27/19
Owner: City of Coeur d'Alene, ID Owner's Contract No.:
Contractor: Apollo Contractor's Project No.:
Engineer: HDR Engineer's Project No.: 10026247
Project: CDA Tertiary Phase 2 Improvements Contract Name:

Contractor is directed to proceed promptly with the following change(s):

Description:

- 1) The PC3 roof hatch was provided with a bare aluminum finish. Prepare, prime and coat the roof hatch to match the color of the building roof.
2) Provide four welded tubular steel framing members in opening for roof hatch to secure the hatch. Prep and coat the members and welds.
3) Offset roof soffit vertically to provide free movement of the two manway doors into PC3.

Attachments:

1) N/A

Purpose for Work Change Directive:

Directive to proceed promptly with the Work described herein, prior to agreeing to changes on Contract Price and Contract Time, is issued due to:

- [ ] Non-agreement on pricing of proposed change.
[X] Necessity to proceed for schedule or other Project reasons.

Estimated Change in Contract Price and Contract Times (non-binding, preliminary):

Contract Price \$ TBD increase
Contract Time 0 days

Basis of estimated change in Contract Price:

- [ ] Lump Sum [ ] Unit Price
[X] Cost of the Work [ ] Other

RECOMMENDED:

AUTHORIZED BY:

RECEIVED:

By: [Signature]
Engineer (Authorized Signature)
Title: Project Manager
Date: 03/27/19

By: [Signature]
Owner (Authorized Signature)
Title: CAP. PROGRAM MGR.
Date: 3-27-2019

By: [Signature]
Contractor (Authorized Signature)
Title: VP
Date: 3/28/19

WCD 042

UV PROTECTOR SHIELD UNDER STAIRS



July 24, 2019

Apollo, Inc.  
1133 West Columbia Drive  
Kennewick, WA 99336

Attn: Amy Jenne

Re: Coeur d'Alene Tertiary Treatment Phase 2 Project  
WCD 042 – Protector Shield at UV  
Engineer's Decision

Amy,

We have reviewed your cost proposal for WCD 042 – Protector Shield at UV. We have found your submitted cost proposal to be acceptable.

A total cost of \$2,909.90 and a total of 0 calendar days will be included in the forthcoming final Change Order.

Sincerely,  
HDR Engineering, Inc.

A handwritten signature in blue ink, appearing to read 'Todd Jensen'.

Todd Jensen, PE, CCM  
*Construction Manager*

cc: Mike Anderson – City of Coeur d'Alene Wastewater Department  
Rickey Schultz – HDR  
Mike Soucie – HDR  
Mary Scalise – HDR



**/// BUILDING PEOPLE WHO BUILD GREAT THINGS**

**Work Change Directive**

Project: City of Coeur d'Alene Tertiary Treatment Phase 2  
 Apollo Inc.

WCD No: 42

Date: 05/01/19

Description	Labor	Mat	Equip.	Subcont. Total	Supp Total	Total
Protector Shield @ UV	\$ 755.96	\$ 115.00	\$ -	\$ 1,983.29	\$ 19.72	\$ 2,873.98
<b>SUBTOTAL COST &gt;</b>						<b>\$ 2,873.98</b>
Insurance Premium .5% - Changed Work >						\$ 14.37
Bond Premium .75% - Changed Work >						\$ 21.55
<b>TOTAL LUMP SUM COST &gt;</b>						<b>\$ 2,909.90</b>

**Work Change Directive**  
**Project: City of Coeur d'Alene Tertiary Treatment Phase 2**  
**Apollo Inc.**

WCD No: 42  
 Item No: 1  
 Date: 5/1/19

*Item Description: Protector Shield at UV*

Description	Qty	U of M	Rate	Labor	Unit	Rate	Mat	Unit	Rate	Equip.	Subcont. Total	Total
<b>APOLLO - PROJECT SUPERVISION COSTS</b>												
Project Manager	2.0	HR	\$ 90.00	\$ 180.00								\$ 180.00
Project Superintendent	6.0	HR	\$ 79.56	\$ 477.36								\$ 477.36
<b>APOLLO - MATERIAL COSTS</b>												
Drain	1.0				LS	\$ 100.00	\$ 100.00					\$ 100.00
							\$ -					\$ -
Apollo - Subtotal Direct Costs >				\$ 657.36			\$ 100.00			\$ -		\$ 757.36
Markup on Self-Performed Labor, Mat's & Equipment >	15.0%			\$ 98.60			\$ 15.00			\$ -		\$ 113.60
<b>SUBCONTRACTOR COSTS</b>												
Air Tech	1										\$ 1,888.85	\$ 1,888.85
											\$ -	\$ -
Subtotal Subcontractors Costs >											\$ 1,888.85	\$ 1,888.85
Markup on Subcontractor Costs >	5.0%										\$ 94.44	\$ 94.44
<b>SUPPLEMENTAL COSTS</b>												
Special Consultants											\$ -	\$ -
Subsistance for Project Supervision					HR	\$ 11.25	\$ -					\$ -
Temporary Facilities at the Site					LS		\$ -					\$ -
Small Tools	1.0				LS	\$ 19.72	\$ 19.72					\$ 19.72
Subtotal Supplementary Costs >							\$ 19.72				\$ -	\$ 19.72
Markup on Supplementary Costs >	0.0											

<b>Contractor - Total Direct Costs w/Markup &gt;</b>	<b>\$ 2,873.98</b>
Insurance Premium .5% - Changed Work >	\$ 14.37
Bond Premium .75% - Changed Work >	\$ 21.55
<b>TOTAL LUMP SUM COST &gt;</b>	<b>\$ 2,909.90</b>



**FROM: AIR TECH MECHANICAL COMPANY**  
**TO: APPOLLO INC.**  
**RE: CITY OF COEUR D'ALENE**  
**ADVANCED WASTE WATER TREATMENT FACILITY**  
**TERTIARY TREATMENT PHASE 2**

---

**WCD-SUMMARY OF COSTS**

**TMF Building Equipment Protection Shroud at Stair**

**Description: Provide and install galvanized sheet metal shroud with scupper drain channel  
at underside of existing stair.**

---

Labor	21.0 hr. @ 73.91	\$ 1,552.11
Shroud materials (24 ga. galvanized)		\$ 71.06
SS Fasteners & accessories		\$ 14.20
ISST Tax Materials (6%x85.26)		<u>\$ 5.11</u>
	Subtotal Costs	\$ 1,642.48
OH & P (15% x \$1,635.95)		<u>\$ 246.37</u>
	<b>TOTAL WCD-12 Lump Sum Cost Increase</b>	<b>\$ 1,888.85</b>

Submitted To: Kevin Burke/Amy Jenne

Submitted By: John Shaffer

Date: 12/11/2018



WCD 043

SCB2 MONORAIL MODIFICATIONS



July 12, 2019

Apollo, Inc.  
1133 West Columbia Drive  
Kennewick, WA 99336

Attn: Amy Jenne

Re: Coeur d'Alene Tertiary Treatment Phase 2 Project  
WCD 043 – SCB2 Monorail Modifications  
Engineer's Decision

Amy,

We have reviewed your cost proposal for WCD 043 – SCB2 Monorail Modifications. We have found your submitted cost proposal to be acceptable.

A total cost of \$2,357.57 and a total of 0 calendar days will be included in the forthcoming final Change Order.

Sincerely,  
HDR Engineering, Inc.

A handwritten signature in blue ink, appearing to read 'Todd Jensen'.

Todd Jensen, PE, CCM  
*Construction Manager*

cc: Mike Anderson – City of Coeur d'Alene Wastewater Department  
Rickey Schultz – HDR  
Mike Soucie – HDR  
Mary Scalise – HDR



**/// BUILDING PEOPLE WHO BUILD GREAT THINGS**

**Work Change Directive**

Project: City of Coeur d'Alene Tertiary Treatment Phase 2  
 Apollo Inc.

WCD No: 43

Date: 06/18/19

Description	Labor	Mat	Equip.	Subcont. Total	Supp Total	Total
SCB2 Monorail Mods	\$ 1,587.86	\$ 86.28	\$ 612.89	\$ -	\$ 41.42	\$ 2,328.46

**SUBTOTAL COST > \$ 2,328.46**

Insurance Premium .5% - Changed Work > \$ 11.64

Bond Premium .75% - Changed Work > \$ 17.46

**TOTAL LUMP SUM COST > \$ 2,357.57**



**Work Change Directive**  
**Project: City of Coeur d'Alene Tertiary Treatment Phase 2**  
**Apollo Inc.**

**WCD No:** 43  
**Item No:** 1  
**Date:** 6/18/19

*Item Description: SCB2 Monorail Mods*

Description	Qty	U of M	Rate	Labor	Unit	Rate	Mat	Unit	Rate	Equip.	Subcont. Total	Total
<b>APOLLO - PROJECT SUPERVISION COSTS</b>												
Project Manager	2.0	HR	\$ 90.00	\$ 180.00								\$ 180.00
Project Superintendent	4.0	HR	\$ 79.56	\$ 318.24								\$ 318.24
Site Civil/Mech Superintendent	0.0	HR	\$ 68.08	\$ -								\$ -
<b>APOLLO - CRAFT LABOR COSTS</b>												
<b>Carpenters</b>												
Carpenters	23.0	HR	\$ 38.37	\$ 882.51								\$ 882.51
<b>APOLLO - OPERATED EQUIPMENT</b>												
<b>Forklift - CAT TH83</b>												
+ Operator		HR	\$ 45.84	\$ -								\$ -
+ Operating Costs	5.0							HRLY	\$ 39.59	\$ 197.95		\$ 197.95
<b>APOLLO - OTHER EQUIPMENT COSTS</b>												
Scissor Lift	1.0							DY	\$ 335.00	\$ 335.00		\$ 335.00
<b>APOLLO - MATERIAL COSTS</b>												
Oxarc	1.0				LS	\$ 75.03	\$ 75.03					\$ 75.03
					LS	\$ -	\$ -					\$ -
Apollo - Subtotal Direct Costs >				\$ 1,380.75		\$ 75.03				\$ 532.95		\$ 1,988.73
Markup on Self-Performed Labor, Mat's & Equipment >	15.0%			\$ 207.11		\$ 11.25				\$ 79.94		\$ 298.31
<b>SUPPLEMENTAL COSTS</b>												
Special Consultants											\$ -	\$ -
Subsistence for Project Supervision					HR	\$ 11.25	\$ -					\$ -
Temporary Facilities at the Site					LS	\$ -	\$ -					\$ -
Small Tools	3.0%				LS	\$ 41.42	\$ 41.42					\$ 41.42
Subtotal Supplementary Costs >						\$ 41.42					\$ -	\$ 41.42
Markup on Supplementary Costs >	0.0											

**Contractor - Total Direct Costs w/Markup > \$ 2,328.46**

Insurance Premium .5% - Changed Work > \$ 11.64

Bond Premium .75% - Changed Work > \$ 17.46

**TOTAL LUMP SUM COST > \$ 2,357.57**



## EXTRA WORK ORDER

CUSTOMER: City of Coeur d'Alene				EWO:	
ADDRESS: <i>WCD 43</i>				Job #: P 162	
WORK ORDERED BY:				JOB NAME: CDA Tertiary Treatment Ph. 2	
				DATE: DAY:	
Description of Work: <i>SCB2 crane beam in conflict with roll up door hood. Beam removed for door installation. Reinstalled higher to avoid conflict</i>					
LABOR					
NAME	CLASS	HOURS		DESCRIPTION	HOURS
		ST	OT		
<i>Hector Paez</i>	<i>corp</i>	<i>3</i>		<i>Forklift</i>	<i>5 hr</i>
<i>Nick Bloman</i>	<i>corp</i>	<i>3</i>		<i>Rental scissor lift</i>	<i>10 hrs</i>
<i>James Skulka</i>	<i>corp</i>	<i>3</i>			
<i>Kevin Burke</i>	<i>supt</i>	<i>4</i>			
<i>Hector Paez</i>	<i>corp</i>	<i>10</i>			
<i>Brian Greenfelder</i>	<i>corp</i>	<i>4</i>			
TOTAL EQUIPMENT					
CONTRACT MATERIALS					
DESCRIPTION	QUANTITY	PRICE	SUBCONTRACTOR		
TOTAL SUBCONTRACTOR					
OFFICE USE ONLY: COST SUMMARY					
LABOR	_____				
MATERIALS	_____				
EQUIPMENT	_____				
TRUCK RENTAL/SUBCONTRACTOR	\$ -				
SUB-TOTAL	\$ -				
OHSP - LABOR	\$ -				
OHSP - EQUIPMENT	\$ -				
OHSP - MATERIALS	\$ -				
OHSP - TRUCK RENTAL/SUBCONTRACTOR	\$ -				
TOTAL OUTSIDE MATERIALS	\$ -				
TOTAL AMOUNT	\$ -				

Submitted by Apollo Representative

*Michael Serrano*  
Authorized By Project Representative

*5-21-2019*

# Packing List

CUSTOMER



**SOLD BY**  
 Oxarc Inc.  
 3530 Ramsey Road  
 Coeur d' Alene ID 83815  
 208-765-3311

**SHIP TO**  
 APOLLO INC 40470600  
 PO BOX 7305  
 KENNEWICK WA 99336

MAIN OFFICE: (509) 535-7794  
 4003 E BROADWAY, SPOKANE, WA  
 WWW.OXARC.COM

BOVO, OR (541) 369-2023	BOISE, ID (208) 376-5277	COEUR D'ALENE, ID (208) 765-3311	COVILLE, WA (509) 884-2776
ELENSBURG, WA (509) 925-1118	HENRIKSTAD, OR (541) 587-7377	LAGANDEL, OR (541) 963-2260	LEWISTON, ID (208) 743-6571
MORE LAKE, WA (509) 765-8237	NAIPA, ID (208) 942-8932	OKANOGAN, WA (509) 826-2209	PASCO, WA (509) 547-2484
PORTLAND, OR (503) 878-1429	SANDPOINT, ID (208) 283-1036	SPRINGFIELD, WA (509) 526-7734	SUNNYSIDE, WA (509) 857-8212
THE DALLES, OR (541) 296-8612	WALLA WALLA, WA (509) 526-2000	WENATCHEE, WA (509) 662-8417	YAKIMA, WA (509) 248-0827

584413548

Customer 68785  
 Order 10476970-00  
 Order Date 06/28/18  
 Page 001 OF 001

Name	APOLLO INC 40470600	Territory	207	Ship Via	WILL CALL -NONE-	Initials	BSE
P/O Number	P162	Salesperson	206	Other Zone	00 UPS Zone 0	Order Type	CHRG
Rel Number		Branch	CDA	COL/PPD	PREPAID	Date/Time	28-JUN-18 11:12AM
Phone	509-586-1104	Status		Route	207	Username	cdcounter
	Ship Date: 06/28/18						

QTY SHIPPED	UOM	H M	ID NUMBER	DESCRIPTION HAZARD CLASS	LINE NO.	ITEM NUMBER	LOC	QTY ORDERED	QTY BRORD	BIN LOC	WEIGHT	UNIT AMOUNT	EXTENDED AMOUNT
2	EA			WEILER 4 1/2X7/8 T-27 ZA40 FLAP DISC	1	WEI WEI51161	CDA	2				3.847	7.69
4	EA			FLXVT ZIRCO 4-1/2X7/8 TYPE 27 FLAP DISC ZA40	2	FLE 24532F	CDA	4				3.376	13.50
2	EA			WEILER WIRE BRUSH 4*X5/8* SS	3	WEI 13138	CDA	2				16.918	33.84
5	EA			HRNL 9002X INSIDE COVER PLATE	4	3MS 04-0280-00	CDA	5				0.650	3.25
5	EA			HRNL 9000 OUPSIDE COVER 10/CS PLATE HORNELL	5	3MS 04-0270-00H	CDA	5				2.500	12.50

PURCHASE ORDER NUMBER REQUIRED.

Signed by: TONY

Subtotal 70.78  
 Tax 6.00% 4.25  
 Total Sale 75.03

TYPE																			
DEL																			
RET																			

**NOTICE** IT IS THE RESPONSIBILITY OF THE PERSON SIGNING THIS FORM TO MAKE SURE THAT THE CYLINDER TRANSACTION SHOWN ABOVE IS CORRECT. THIS IS TO CERTIFY THAT THE HEREIN NAMED MATERIALS ARE PROPERLY CLASSIFIED, DESCRIBED, PACKAGED, MARKED AND LABELED, AND ARE IN PROPER CONDITION FOR TRANSPORTATION ACCORDING TO THE APPLICABLE REGULATIONS OF THE DEPARTMENT OF TRANSPORTATION.

*Tony DeLaPena*

CYLINDER VERIFICATION BY: \_\_\_\_\_ FULLED BY: \_\_\_\_\_  
 CUSTOMER: \_\_\_\_\_

**IMPORTANT:** All invoices are payable in cash 30 days from the date the goods are delivered or the services are rendered. Late charges of 1.75% per month or a minimum of \$2.00 will be added to all accounts not paid on the due date. PLEASE READ CAREFULLY THE TERMS AND CONDITIONS, INCLUDING THE WARRANTY DISCLAIMER, WHICH APPEAR ON THE REVERSE SIDE, THEY ARE PART OF THIS INVOICE.

FOR CHEMICAL EMERGENCY, SPILL, LEAK, FIRE, EXPOSURE OR ACCIDENT CALL CHEMTREC-DAY OR NIGHT 800-424-9300 • (703) 741-5000 FOR INFO.





WCD 044

VOID



WCD 045

TMF 3W ORIFICE PLATE INSTALLATION



August 5, 2019

Apollo, Inc.  
1133 West Columbia Drive  
Kennewick, WA 99336

Attn: Amy Jenne

Re: Coeur d'Alene Tertiary Treatment Phase 2 project  
WCD 045 – TMF 3W Orifice Plate  
Engineer's Decision

Amy,

We have reviewed your cost proposal for WCD 045 – TMF 3W Orifice Plate. We have found your submitted cost proposal to be acceptable.

A total cost of \$962.27 and a total of 0 calendar days will be included in the forthcoming final Change Order.

Sincerely,  
HDR Engineering, Inc.

A handwritten signature in blue ink, appearing to read 'Todd Jensen'.

Todd Jensen, PE, CCM  
*Construction Manager*

cc: Mike Anderson – City of Coeur d'Alene Wastewater Department  
Rickey Schultz – HDR  
Mike Soucie – HDR  
Mary Scalise – HDR



**/// BUILDING PEOPLE WHO BUILD GREAT THINGS**

**Work Change Directive**

Project: City of Coeur d'Alene Tertiary Treatment Phase 2  
 Apollo Inc.

WCD No: 45

Date: 06/25/19

Description	Labor	Mat	Equip.	Subcont. Total	Supp Total	Total
TMF 3W Orrifice Plate	\$ 599.20	\$ 290.56	\$ -	\$ -	\$ 60.63	\$ 950.39
<b>SUBTOTAL COST &gt;</b>						<b>\$ 950.39</b>
Insurance Premium .5% - Changed Work >						\$ 4.75
Bond Premium .75% - Changed Work >						\$ 7.13
<b>TOTAL LUMP SUM COST &gt;</b>						<b>\$ 962.27</b>

**Work Change Directive**

Project: City of Coeur d'Alene Tertiary Treatment Phase 2

Apollo Inc.

WCD No: 45

Item No: 1

Date: 6/25/19

*Item Description: TMF 3W Orrifice Plate*

Description	Qty	U of M	Rate	Labor	Unit	Rate	Mat	Unit	Rate	Equip.	Subcont. Total	Total
<b>APOLLO - PROJECT SUPERVISION COSTS</b>												
Project Manager	2.0	HR	\$ 90.00	\$ 180.00								\$ 180.00
Project Superintendent	0.0	HR	\$ 79.56	\$ -								\$ -
Mechanical Superintendent	4.0	HR	\$ 68.08	\$ 272.32								\$ 272.32
<b>APOLLO - CRAFT LABOR COSTS</b>												
<b>Laborers</b>												
General	2.0	HR	\$ 34.36	\$ 68.72								\$ 68.72
<b>APOLLO - MATERIAL COSTS</b>												
Orrifice Plate	1.0				LS	\$ 252.66	\$ 252.66					\$ 252.66
Gasket						\$ 20.00	\$ -					\$ -
							\$ -					\$ -
Apollo - Subtotal Direct Costs >				\$ 521.04			\$ 252.66			\$ -		\$ 773.70
Markup on Self-Performed Labor, Mat's & Equipment >	15.0%			\$ 78.16			\$ 37.90			\$ -		\$ 116.06
<b>SUPPLEMENTAL COSTS</b>												
Special Consultants											\$ -	\$ -
Subsistence for Project Supervision	4.0				HR	\$ 11.25	\$ 45.00					\$ 45.00
Temporary Facilities at the Site					LS		\$ -					\$ -
Small Tools	1.0				LS	\$ 15.63	\$ 15.63					\$ 15.63
Subtotal Supplementary Costs >							\$ 60.63				\$ -	\$ 60.63
Markup on Supplementary Costs >	0.0											

<b>Contractor - Total Direct Costs w/Markup &gt;</b>	<b>\$ 950.39</b>
Insurance Premium .5% - Changed Work >	\$ 4.75
Bond Premium .75% - Changed Work >	\$ 7.13
<b>TOTAL LUMP SUM COST &gt;</b>	<b>\$ 962.27</b>



...Building People Who Build Great Things

## Daily Report of Force Account Worked

Contract Number	Date 6-12-19	Item Number	Item Name WCD # 45
Prime Contractor		Subcontractor / Lower Tier Subcontractor	
Line / Station	Group	Basis of Material Acceptance	RAMS Number
Description of Work Performed INSTALL ORRIFICE PLATE			

Time Worked Record							
	Workers and/or Equipment Working	Occupation of Workers or Equipment Size	Hours Worked		Reg. Rate	O.T. Rate	Amount
			Reg.	O.T.			
1	TONY DeLAPENA	PIPE FITTER	2				
2	AL PINO	LABORER	2				
3							
4							
5	HD FOWLER						
6	* ORRIFICE PLATE						
7	* 6" GASKET (FLANGE)						
8							
9							
10							
11							
12							
13							
14							
15							
16							
17							
18							
19							
20							
Calculated By		Date	Checked By		Date	Total	

Ledger Entry Number	Entered By	Date	Entry Verified	Date
---------------------	------------	------	----------------	------

Inspector's Signature	Contractor's Representative Signature	Title
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REMIT: PO Box 84368, Seattle, WA 98124

**Invoice Number** **15074097**

PSDS  
# 015290

**Corporate Office**  
3633 136th Pl SE, Ste 100, Bellevue, WA 98006  
PO Box 160, Bellevue, WA 98009-0160  
Phone 425-654-8800 \* Fax 425-641-8885

**Pasco Branch**  
1336 Dietrich Rd  
Pasco, WA 99301  
(509) 545-0255 Fax (509) 545-0299

<b>To:</b> APOLLO INC Attn: Accounts Payable PO Box 7305 KENNEWICK WA 99336-0617	<b>Ship to:</b> 915 HUBBARD AVE COEUR D'ALENE ID 83814		
	<b>Order#</b> O6190267	<b>Inv Date:</b> 02/25/19	<b>Order Writer:</b> Skyler Hamm

<b>Terms:</b> 10P+30 <b>FOB:</b> DESTINATION	<b>Due:</b> 04/10/19 <b>Ship Via:</b> UPS - STANDARD	<b>PO/JOB:</b> ORIFICE PLATE P162 TERTIARY TREATMENT PHASE
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Line	Qty Ship'd	Qty BO'd	UoM	Part # Description	Unit Price	Extended Price	T X
1	1		EA	6" ORIFACE PLATE ENDRESS & HAUSER OP20060-0150-125 -316 MODEL #71427212	252.66	252.66	
						<b>Sub total</b>	252.66
						<b>Freight</b>	
						<b>Tax</b>	
						<b>Grand Total</b>	252.66

\*\* New Remittance Address \*\*  
PO Box 84368, Seattle, WA 98124-5668

EFT Routing: 121000248  
EFT Bank No: 418 545 3362

TONY

Date of Issuance: 11/20/2018      Effective Date: 11/20/2018  
 Owner: City of Coeur d'Alene, ID      Owner's Contract No.:  
 Contractor: Apollo      Contractor's Project No.:  
 Engineer: HDR      Engineer's Project No.: 10026247  
 Project: CDA Tertiary Phase 2 Improvements      Contract Name:

**Contractor is directed to proceed promptly with the following change(s):**

Description:

1) Provide an inline orifice plate on the 6"-3W pipeline in the TMF basement between FCA-6108-21 and the manual isolation valve downstream. Coordinate final installation location onsite with HDR's RPR. See orifice plate specification below. Orifice plate shall be accessible for future operations and maintenance without the use of a ladder.

- A. Differential Pressure Type Flow Element - Flow Orifice Plates:
  - 1. Acceptable manufacturers:
    - a. ABB.
    - b. Emerson / Daniel.
    - c. Endress + Hauser.
    - d. Primary Flow Signals, Inc. (PFS).
  - 2. Materials:
    - a. Orifice plate: ASTM A240, Type 316, stainless steel.
  - 3. Design and fabrication:
    - a. Flange material, type and rating to match existing piping.
    - b. Bore: Concentric with sharp and square inlet edge.
    - c. Minimum nominal plate thickness:

THICKNESS (IN)	PIPE SIZE (IN)
0.125	1 to 8

- 1) Plate thickness shall be adequate to prevent warping under specified process pressure and temperature conditions.
    - d. Upstream side of tab handle marked "inlet" and with bore size and flange type/rating.
    - e. Conformity: Finish 45 micro inch or better.
    - f. Bore tolerance in accordance with ASME PTC 19.5 and AGA Gas Measurement Committee Report #3.
  - 4. Schedule:

SERVICE	LINE SIZE (IN)	FLOW RANGE (GPM)	BETA RATIO	DIFF PRESS (IN WATER)
3W Water	6 IN	0 - 250	0.2	150 FT

Attachments:  
 1) N/A

**Purpose for Work Change Directive:**

Directive to proceed promptly with the Work described herein, prior to agreeing to changes on Contract Price and Contract Time, is issued due to:

- Non-agreement on pricing of proposed change.
- Necessity to proceed for schedule or other Project reasons.

**Estimated Change in Contract Price and Contract Times (non-binding, preliminary):**

Contract Price \$ TBD increase

Contract Time 0 days

**Basis of estimated change in Contract Price:**

- Lump Sum
- Cost of the Work
- Unit Price
- Other

**RECOMMENDED:**

**AUTHORIZED BY:**

**RECEIVED:**

By:   
Engineer (Authorized Signature)

By:   
Owner (Authorized Signature)

By:   
Contractor (Authorized Signature)

Title: Project Manager

Title: Cap. Program Mgr.

Title: VP

Date: 11/20/18

Date: 11-20-2018

Date: 11/20/18

WCD 046

PC1 & 2 SCUM PUMP MODIFICATIONS



August 23, 2019

Apollo, Inc.  
1133 West Columbia Drive  
Kennewick, WA 99336

Attn: Amy Jenne

Re: Coeur d'Alene Tertiary Treatment Phase 2 Project  
WCD 046 – PC 1 & 2 Scum Pump Modifications  
Engineer's Decision

Amy,

We have reviewed your cost proposal for WCD 046 – PC 1 & 2 Scum Pump Modifications. We have found your submitted cost proposal to be acceptable.

A total cost of \$9,701.74 and a total of 0 calendar days will be included in the forthcoming final Change Order.

Sincerely,  
HDR Engineering, Inc.

A handwritten signature in blue ink, appearing to read 'Todd Jensen'.

Todd Jensen, PE, CCM  
*Construction Manager*

cc: Mike Anderson – City of Coeur d'Alene Wastewater Department  
Rickey Schultz – HDR  
Mike Soucie – HDR  
Mary Scalise – HDR



Date of Issuance: 09/18/18 Effective Date: 09/18/18
Owner: City of Coeur d'Alene, ID Owner's Contract No.:
Contractor: Apollo Contractor's Project No.:
Engineer: HDR Engineer's Project No.: 10026247
Project: CDA Tertiary Phase 2 Improvements Contract Name:

Contractor is directed to proceed promptly with the following change(s):

Description:

Remove the existing 8.5-inch impeller from both new primary scum pumps.
Furnish and install a 10.125-inch impeller in both pumps.
Provide onsite startup and commissioning assistance for both pumps.

Attachments:

1) N/A

Purpose for Work Change Directive:

Directive to proceed promptly with the Work described herein, prior to agreeing to changes on Contract Price and Contract Time, is issued due to:

- Non-agreement on pricing of proposed change.
Necessity to proceed for schedule or other Project reasons.

Estimated Change in Contract Price and Contract Times (non-binding, preliminary):

Contract Price \$ 6,500.00 increase
Contract Time 0 days

Basis of estimated change in Contract Price:

- Lump Sum
Unit Price
Cost of the Work
Other

RECOMMENDED:

AUTHORIZED BY:

RECEIVED:

By: [Signature]
Engineer (Authorized Signature)

By: [Signature]
Owner (Authorized Signature)

By: [Signature]
Contractor (Authorized Signature)

Title: Project Manager
Date: 09/18/18

Title: Cap. Program Mgr
Date: 9-19-2018

Title: VP
Date: 10/15/18



**/// BUILDING PEOPLE WHO BUILD GREAT THINGS**

**Work Change Directive**

Project: City of Coeur d'Alene Tertiary Treatment Phase 2  
 Apollo Inc.

WCD No: 46

Date: 05/15/19

Description	Labor	Mat	Equip.	Subcont. Total	Supp Total	Total
PC 1 & 2 Scum Pump Modifications	\$ 2,701.53	\$ 575.00	\$ -	\$ 6,234.95	\$ 70.47	\$ 9,581.96
<b>SUBTOTAL COST &gt;</b>						<b>\$ 9,581.96</b>
Insurance Premium .5% - Changed Work >						\$ 47.91
Bond Premium .75% - Changed Work >						\$ 71.86
<b>TOTAL LUMP SUM COST &gt;</b>						<b>\$ 9,701.74</b>

**Work Change Directive**  
**Project: City of Coeur d'Alene Tertiary Treatment Phase 2**  
**Apollo Inc.**

**WCD No:** 46  
**Item No:** 1  
**Date:** 5/15/19

*Item Description: PC1 & PC2 Scum Pump Modifications*

Description	Qty	U of M	Rate	Labor	Unit	Rate	Mat	Unit	Rate	Equip.	Subcont. Total	Total
<b>APOLLO - PROJECT SUPERVISION COSTS</b>												
Project Manager	6.0	HR	\$ 90.00	\$ 540.00								\$ 540.00
Project Superintendent	4.0	HR	\$ 79.56	\$ 318.24								\$ 318.24
Site Civil Superintendent	4.0	HR	\$ 68.08	\$ 272.32								\$ 272.32
<b>APOLLO - CRAFT LABOR COSTS</b>												
Pipefitter				\$ -								\$ -
Pipefitter	20.0	HR	\$ 60.93	\$ 1,218.60								\$ 1,218.60
<b>APOLLO - MATERIAL COSTS</b>												
Bypass materials	1.0				LS	\$ 500.00	\$ 500.00					\$ 500.00
RC Worst							\$ -					\$ -
Apollo - Subtotal Direct Costs >				\$ 2,349.16			\$ 500.00			\$ -		\$ 2,849.16
Markup on Self-Performed Labor, Mat'l's & Equipment >	15.0%			\$ 352.37			\$ 75.00			\$ -		\$ 427.37
<b>SUBCONTRACTOR COSTS</b>												
MSE	1										\$ 283.96	\$ 283.96
											\$ 5,654.09	\$ 5,654.09
Subtotal Subcontractors Costs >											\$ 5,938.05	\$ 5,938.05
Markup on Subcontractor Costs >	5.0%										\$ 296.90	\$ 296.90
<b>SUPPLEMENTAL COSTS</b>												
Special Consultants											\$ -	\$ -
Subsistance for Project Supervision					HR	\$ 11.25	\$ -					\$ -
Temporary Facilities at the Site					LS		\$ -					\$ -
Small Tools	1.0				LS	\$ 70.47	\$ 70.47					\$ 70.47
Subtotal Supplementary Costs >							\$ 70.47				\$ -	\$ 70.47
Markup on Supplementary Costs >	0.0											

<b>Contractor - Total Direct Costs w/Markup &gt;</b>	<b>\$ 9,581.96</b>
Insurance Premium .5% - Changed Work >	\$ 47.91
Bond Premium .75% - Changed Work >	\$ 71.86
<b>TOTAL LUMP SUM COST &gt;</b>	<b>\$ 9,701.74</b>



**TIME and MATERIAL COST**

Request No: 38

To: CITY OF CDA - WWTP

Date Of Proposal: 1/4/2019

Job #: 17-010

Regarding: WCD-046

Job Name: CDA TERITARY TREATMENT PHASE 2

Attention: \_\_\_\_\_

Work To Be Done:

PER WCD-046  
DISCONNECT / RECONNECT P-2040 and P-2051 TO INSTALL NEW IMPELLER

**LABOR CLASSIFICATION**

	<u>RATES</u>			<u>HOURS</u>			<u>EXTENDED</u>
	STRAIGHT	OVERTIME	DBL TIME	STRAIGHT	OVERTIME	DOUBLE TIME	
FOREMAN	\$ 70.99	\$ 95.14	\$ 119.29	4.00			\$ 283.96
JOURNEYMAN	\$ 66.50	\$ 88.47	\$ 110.40				\$ -
APPRENTICE	\$ 41.14	\$ 64.50	\$ 90.55				\$ -
PROJECT MANAGER	\$ 85.00						\$ -

LABOR SUB TOTAL \$ **283.96**

**EQUIPMENT**

COST + 15%	<u>RATES</u>				QUANTITY	<u>EXTENDED</u>
	HOUR	DAY	WEEK	MONTH		

TOOL SUB TOTAL \$ -

**MATERIAL**

COST + 15%	<u>EXTENDED</u>

MATERIAL SUB TOTAL \$ -

**SUB-CONTRACTOR**

COST + 5%	<u>EXTENDED</u>

SUB-CONTRACTOR SUB TOTAL \$ -

**Total Proposed Change Order price: \$ 283.96**

Submitted By: DAVE PERRINS, Project Manager Date: 1/4/2019

Approved By: \_\_\_\_\_ Date: \_\_\_\_\_

Title \_\_\_\_\_

<b>Report selections:</b>	<b>Job:</b> 17010	<b>Superintendent:</b> ALL	<b>From transaction date:</b> Inception
	<b>Phase:</b> CO038	<b>Estimator:</b> ALL	<b>To transaction date:</b> 01/03/19
	<b>Employee:</b> ALL	<b>Project manager:</b> ALL	
	<b>Job status:</b> Active	<b>Division:</b> ALL	

**MOUNTAIN STATES ELECTRICAL  
Payroll Hours Analysis Report  
Phase Detail**

Job: 17010 CDA TERTIARY TREATMENT

Employee Code	Employee Name	Hours			Earnings			Burden Total
		Regular	Overtime	Total	Regular	Overtime	Total	
CO-038	PUMPS 2051 AND 2040							
MCCPET	PETE MCCLURE	4.00		4.00				
<b>Total for phase: CO-038</b>		<b>4.00</b>	<b>0.00</b>	<b>4.00</b>				
<b>Total for job: 17010</b>		<b>4.00</b>	<b>0.00</b>	<b>4.00</b>				
<b>Report totals:</b>		<b>4.00</b>	<b>0.00</b>	<b>4.00</b>				





**R.C. Worst & Company Inc.**  
**625 E. Best Avenue**  
**Coeur d'Alene, ID 83814**

# SALES QUOTATION

Quote Number: **42603**  
 Quote Date: **9/17/2018**  
 Quote Valid Date: **11/16/2018**  
 Account Number: **C200102**

## CUSTOMER

Apollo Inc.  
 PO Box 7305  
 Kennewick, WA 99336-0617

## ADDRESS

CDA WWTP

Reference: **HPGF Impellers**

Employee: **Scott Jessick**

Terms: **Net 30 Days**

Shipping Method:

Item Number	Description	Quantity	Unit Price	Total
TMP	Hydromatic 078943182 HPGF;IMPELLER-SST 10.13"	2.00	\$1600.00	\$3200.00
AR.FRT-IN	FREIGHT-IN FedEx Priority Overnight	1.00	\$369.49	\$369.49
AR.FRT-IN	FREIGHT-IN FedEx Ground	1.00	\$64.60	\$64.60
OP-LBRS	Install 10.125" Impeller Including Pick-Up & Delivery	2.00	\$760.00	\$1520.00
OP-LBRS	On Site Start-Up Assistance - Day Rate	.50	\$1000.00	\$500.00

Subtotal **\$5,654.09**  
 Freight **\$0.00**  
 Sales Tax **\$0.00**  
 Total **\$5,654.09**

WCD 047

HEAT TRACE TERMINALS – RFI 119



December 4, 2018

Apollo, Inc.  
1133 West Columbia Drive  
Kennewick, WA 99336

Attn: Amy Jenne

Re: Coeur d'Alene Tertiary Treatment Phase 2 project  
WCD 047 – RFI 119 Heat Trace  
Engineer's Decision

Amy,

We have reviewed your cost proposal for WCD 047 – RFI 119 Heat Trace. We have found your submitted cost proposal to be acceptable.

A total cost of \$453.57 and a total of 0 calendar days will be included in the forthcoming final Change Order.

Sincerely,  
HDR Engineering, Inc.

A handwritten signature in blue ink, appearing to read 'Todd Jensen'.

Todd Jensen, PE, CCM  
*Construction Manager*

cc: Jim Remitz – City of Coeur d'Alene Wastewater Department  
Rickey Schultz – HDR  
Mike Soucie – HDR  
Mary Scalise – HDR

Date of Issuance: 11/20/2018      Effective Date: 11/20/2018  
 Owner: City of Coeur d'Alene, ID      Owner's Contract No.:  
 Contractor: Apollo      Contractor's Project No.:  
 Engineer: HDR      Engineer's Project No.: 10026247  
 Project: CDA Tertiary Phase 2 Improvements      Contract Name:

**Contractor is directed to proceed promptly with the following change(s):**

Description:

1) Referencing RFI 119, relocate heat trace terminations out of space 3J and into a new, externally mounted junction box. Test relocated heat trace circuits to insure operation.

Attachments:

1) N/A

**Purpose for Work Change Directive:**

Directive to proceed promptly with the Work described herein, prior to agreeing to changes on Contract Price and Contract Time, is issued due to:

- Non-agreement on pricing of proposed change.
- Necessity to proceed for schedule or other Project reasons.

**Estimated Change in Contract Price and Contract Times (non-binding, preliminary):**

Contract Price \$ TBD      increase  
 Contract Time 0      days

**Basis of estimated change in Contract Price:**

- Lump Sum       Unit Price
- Cost of the Work       Other


**RECOMMENDED:**

**AUTHORIZED BY:**

**RECEIVED:**

By:   
 \_\_\_\_\_  
 Engineer (Authorized Signature)

By:   
 \_\_\_\_\_  
 Owner (Authorized Signature)

By:   
 \_\_\_\_\_  
 Contractor (Authorized Signature)

Title: Project Manager  
 Date: 11/20/18

Title: *Cap. Program Mgr.*  
 Date: *11-20-2018*

Title: *VP*  
 Date: *11/20/18*



**/// BUILDING PEOPLE WHO BUILD GREAT THINGS**

**Work Change Directive**

Project: City of Coeur d'Alene Tertiary Treatment Phase 2  
 Apollo Inc.

WCD No: 47

Date: 11/30/18

Description	Labor	Mat	Equip.	Subcont. Total	Supp Total	Total
RFI 119 Heat Trace	\$ 103.50	\$ -	\$ -	\$ 344.47	\$ -	\$ 447.97
<b>SUBTOTAL COST &gt;</b>						<b>\$ 447.97</b>
Insurance Premium .5% - Changed Work >						\$ 2.24
Bond Premium .75% - Changed Work >						\$ 3.36
<b>TOTAL LUMP SUM COST &gt;</b>						<b>\$ 453.57</b>



**Work Change Directive**  
**Project: City of Coeur d'Alene Tertiary Treatment Phase 2**  
**Apollo Inc.**

**WCD No:** 47  
**Item No:** 1  
**Date:** 11/30/18

*Item Description: RFI 119 Heat Trace*

Description	Qty	U of M	Rate	Labor	Unit	Rate	Mat	Unit	Rate	Equip.	Subcont. Total	Total
<b>APOLLO - PROJECT SUPERVISION COSTS</b>												
Project Manager	1.0	HR	\$ 90.00	\$ 90.00								\$ 90.00
Project Superintendent	0.0	HR	\$ 79.56	\$ -								\$ -
Site Civil Superintendent	0.0	HR	\$ 68.08	\$ -								\$ -
Apollo - Subtotal Direct Costs >				\$ 90.00			\$ -			\$ -		\$ 90.00
Markup on Self-Performed Labor, Mat'l's & Equipment >	15.0%			\$ 13.50			\$ -			\$ -		\$ 13.50
<b>SUBCONTRACTOR COSTS</b>												
Mountain States Electric	1										\$ 328.07	\$ 328.07
											\$ -	\$ -
Subtotal Subcontractors Costs >											\$ 328.07	\$ 328.07
Markup on Subcontractor Costs >	5.0%										\$ 16.40	\$ 16.40
<b>SUPPLEMENTAL COSTS</b>												
Special Consultants											\$ -	\$ -
Subsistence for Project Supervision					HR	\$ 11.25	\$ -					\$ -
Temporary Facilities at the Site					LS		\$ -					\$ -
Small Tools	0.0				LS	\$ -	\$ -					\$ -
Subtotal Supplementary Costs >							\$ -				\$ -	\$ -
Markup on Supplementary Costs >	0.0											

**Contractor - Total Direct Costs w/Markup > \$ 447.97**

Insurance Premium .5% - Changed Work > \$ 2.24

Bond Premium .75% - Changed Work > \$ 3.36

**TOTAL LUMP SUM COST > \$ 453.57**



**TIME and MATERIAL COST**

Request No: 39

To: CITY OF CDA - WWTP

Date Of Proposal: 11/13/2018

Job #: 17-010

Regarding: RFI 119 / WCD 47

Job Name: CDA TERITARY TREATMENT PHASE 2

Attention: \_\_\_\_\_

Work To Be Done:

PER RFI 119 RESPONSE - COST IMPACT TO RELOCATE HEAT TRACE TERMINATIONS  
OUT OF MCC-4341

**LABOR CLASSIFICATION**

	<u>RATES</u>			<u>HOURS</u>			<u>EXTENDED</u>
	STRAIGHT	OVERTIME	DBL TIME	STRAIGHT	OVERTIME	DOUBLE TIME	
FOREMAN	\$ 70.99	\$ 95.14	\$ 119.29	4.00			\$ 283.96
JOURNEYMAN	\$ 66.50	\$ 88.47	\$ 110.40				\$ -
APPRENTICE	\$ 41.14	\$ 64.50	\$ 90.55				\$ -
PROJECT MANAGER	\$ 85.00						\$ -

LABOR SUB TOTAL \$ **283.96**

**EQUIPMENT**

COST + 15%	<u>RATES</u>				QUANTITY	<u>EXTENDED</u>
	HOUR	DAY	WEEK	MONTH		

TOOL SUB TOTAL \$ -

**MATERIAL**

COST + 15%	<u>EXTENDED</u>
JUNCTION BOX AND MISC CONDUIT FITTINGS	\$ 38.36

MATERIAL SUB TOTAL \$ **44.11**

**SUB-CONTRACTOR**

COST + 5%	<u>EXTENDED</u>

SUB-CONTRACTOR SUB TOTAL \$ -

**Total Proposed Change Order price: \$ 328.07**

Submitted By: DAVE PERRINS, Project Manager Date: 11/13/2018

Approved By: \_\_\_\_\_ Date: \_\_\_\_\_

Title \_\_\_\_\_

<b>Report selections:</b>	<b>Job:</b> 17010	<b>Superintendent:</b> ALL	<b>From transaction date:</b> Inception
	<b>Phase:</b> CO039	<b>Estimator:</b> ALL	<b>To transaction date:</b> 11/13/18
	<b>Employee:</b> ALL	<b>Project manager:</b> ALL	
	<b>Job status:</b> Active	<b>Division:</b> ALL	

**MOUNTAIN STATES ELECTRICAL  
Payroll Hours Analysis Report  
Phase Detail**

**Job: 17010 CDA TERTIARY TREATMENT**

Employee Code	Employee Name	Hours			Earnings			Burden Total
		Regular	Overtime	Total	Regular	Overtime	Total	
CO-039	HEAT TRACE MCC4351							
MCCPET	PETE MCCLURE	4.00		4.00				
<b>Total for phase: CO-039</b>		<b>4.00</b>	<b>0.00</b>	<b>4.00</b>				
<b>Total for job: 17010</b>		<b>4.00</b>	<b>0.00</b>	<b>4.00</b>				
<b>Report totals:</b>		<b>4.00</b>	<b>0.00</b>	<b>4.00</b>				



WCD 048

PC3 SIDING CHANGE





August 22, 2019

Apollo, Inc.  
1133 West Columbia Drive  
Kennewick, WA 99336

Attn: Amy Jenne

Re: Coeur d'Alene Tertiary Treatment Phase 2 Project  
WCD 048 – Replace PC3 Siding  
Engineer's Decision

Amy,

We have reviewed your cost proposal for WCD 048 – Replace PC3 Siding. We have found your submitted cost proposal to be acceptable.

A total cost of \$28,350.72 and a total of 0 calendar days will be included in the forthcoming final Change Order.

Sincerely,  
HDR Engineering, Inc.

A handwritten signature in blue ink, appearing to read 'Todd Jensen'.

Todd Jensen, PE, CCM  
*Construction Manager*

cc: Mike Anderson – City of Coeur d'Alene Wastewater Department  
Rickey Schultz – HDR  
Mike Soucie – HDR  
Mary Scalise – HDR



**/// BUILDING PEOPLE WHO BUILD GREAT THINGS**

**Work Change Directive**

Project: City of Coeur d'Alene Tertiary Treatment Phase 2  
 Apollo Inc.

WCD No: 48. Rev2

Date: 08/13/19

Description	Labor	Mat	Equip.	Subcont. Total	Supp Total	Total
Replace PC3 Siding	\$ 9,647.76	\$ 13,437.75	\$ 2,461.00	\$ 2,454.20	\$ -	\$ 28,000.71
<b>SUBTOTAL COST &gt;</b>						<b>\$ 28,000.71</b>
Insurance Premium .5% - Changed Work >						\$ 140.00
Bond Premium .75% - Changed Work >						\$ 210.01
<b>TOTAL LUMP SUM COST &gt;</b>						<b>\$ 28,350.72</b>

**Work Change Directive**

Project: City of Coeur d'Alene Tertiary Treatment Phase 2

Apollo Inc.

WCD No: 48. Rev2

Item No: 1

Date: 8/13/19

*Item Description: Replace PC3 Siding*

Description	Qty	U of M	Rate	Labor	Unit	Rate	Mat	Unit	Rate	Equip.	Subcont. Total	Total
<b>APOLLO - PROJECT SUPERVISION COSTS</b>												
Project Manager	6.0	HR	\$ 90.00	\$ 540.00								\$ 540.00
Project Superintendent	6.0	HR	\$ 79.56	\$ 477.36								\$ 477.36
<b>APOLLO - CRAFT LABOR COSTS</b>												
<b>Sheet Metal</b>												
Foreman	48.0	HR	\$ 44.80	\$ 2,150.40								\$ 2,150.40
Carpenter	122.0	HR	\$ 42.80	\$ 5,221.60								\$ 5,221.60
<b>APOLLO - OPERATED EQUIPMENT</b>												
<b>APOLLO - OTHER EQUIPMENT COSTS</b>												
Manlift (2ea) & Forklift (1ea)	4.0							DY	\$ 535.00	\$ 2,140.00		\$ 2,140.00
								LS		\$ -		\$ -
<b>APOLLO - MATERIAL COSTS</b>												
Vic West	1.0				LS	\$11,685.00	\$ 11,685.00					\$ 11,685.00
							\$ -					\$ -
Apollo - Subtotal Direct Costs >				\$ 8,389.36			\$ 11,685.00			\$ 2,140.00		\$ 22,214.36
Markup on Self-Performed Labor, Mat's & Equipment >	15.0%			\$ 1,258.40			\$ 1,752.75			\$ 321.00		\$ 3,332.15
<b>SUBCONTRACTOR COSTS</b>												
MSE	1										\$ 2,337.33	\$ 2,337.33
											\$ -	\$ -
Subtotal Subcontractors Costs >											\$ 2,337.33	\$ 2,337.33
Markup on Subcontractor Costs >	5.0%										\$ 116.87	\$ 116.87

<b>Contractor - Total Direct Costs w/Markup &gt;</b>	<b>\$ 28,000.71</b>
Insurance Premium .5% - Changed Work >	\$ 140.00
Bond Premium .75% - Changed Work >	\$ 210.01
<b>TOTAL LUMP SUM COST &gt;</b>	<b>\$ 28,350.72</b>

Highlighted labor and equipment WCD 48. 1 man foreman.

Monday 6 hours on wall sheets (4) men – two man lifts, one forklift

Tuesday – 9 hours on wall sheets (4) men – two man lifts, one forklift

Wednesday – 9 hours on wall sheets (4) men – two man lifts, one forklift

Thursday – 9 hours on wall sheets (4) men – two man lifts, one forklift

Friday – 7 hours wall sheets (2) men – one man lift (460 SJ), one forklift - 7 hours bird blocking (2) men one man lift (460 JP)

Parts/pieces – Home Depot for screws and rivets 57.60, Sherwin Williams paint 159.21

Monday 4 hours bird blocking (2) men one man lift (460JP), (2) men 2 hours wall sheets – one man lift (460 JP), one forklift, (2) men 6 hours wall sheets – one man lift (460 SJ), (1) man 2 hours de mobe

Tuesday 12 man hours de mobe

~~Total man hours wall sheets – 172~~

~~Total man hours bird blocking – 26~~

~~Total man lift hours for 460 SJ – 48~~

~~Total man lift hours for 460 JP – 48~~

~~Total hours for forklift - 48~~



**INVOICE**  
 SEND ALL PAYMENTS TO:  
 SUNBELT RENTALS, INC.  
 PO BOX 409211  
 ATLANTA, GA 30384-9211

INVOICE NO.	88621722-0001
ACCOUNT NO.	305018
INVOICE DATE	4/26/19
PAGE	1 of 1

INVOICE TO

1oz-590-712  
 APOLLO INC  
 PO BOX 7305  
 1207 W COLUMBIA DR  
 KENNEWICK WA 99336-3459  


JOB ADDRESS  
 APOLLO INC  
 1080 HUBBORD AVE  
 COEUR D'ALENE, ID 83814  
 509-948-2803

RECEIVED BY	CONTRACT NO.
MARCOS, TONY	88621722
PURCHASE ORDER NO.	
	P162
JOB NO.	
	162
BRANCH	
	POST FALLS ID PC124 573 N IDAHLINE RD POST FALLS, ID 83854 208-777-4585

QTY	EQUIPMENT #	Min	Day	week	4 week	Amount
1	8K-9K 42' SHOOTING BOOM FORKLIFT 933189 Make: GENIE Model: GTH844 Ser #: GTH0813-17466 HR OUT: 1305.000 HR IN: TOTAL: 1305.000	310.00	310.00	875.00	1900.00	1900.00
1	40' STR MANLIFT W/JIB 633866 Make: JLG Model: 460SJ Ser #: 0300192837 HR OUT: 1432.700 HR IN: TOTAL: 1432.700	220.00	220.00	625.00	1400.00	1400.00
1	60' STR ELEC MANLIFT W/GEN 943337 Make: JLG Model: M600JP Ser #: 0300217801 HR OUT: 201.900 HR IN: TOTAL: 201.900	335.00	335.00	955.00	1800.00	1800.00
	Rental Sub-total:					5100.00

SALES ITEMS:

Qty	Item number	Unit	Price	Amount
1	DLPKSRCHG	EA	82.500	82.50
	TRANSPORTATION SURCHARGE			
	FREIGHT :			
	BILLED FOR FOUR WEEKS 4/11/19 THRU 5/08/19.			550.00



\$2,455 per week equipment rental  
 \$82.50 per week transportation surcharge  
 \$137.63 tax  
 \$2,675 per week with transportation surcharge and tax or  
 \$735 per day for all three pieces.  
 \$535

APOLLO, INC.

MAY 02 2019

RECEIVED

Equipment. Service. Guaranteed.

REMIT TO:

SUNBELT RENTALS, INC.  
 PO BOX 409211  
 ATLANTA, GA 30384-9211

NET DUE UPON RECEIPT  
 Invoices not paid within 30 days may be subject to a 1-1/2% per month charge.

SUBTOTAL	5,732.50
SALES TAX	310.95
INVOICE TOTAL	6,043.45

4 WEEK BILL





25239 - 111 Avenue  
 Acheson AB T7X 6C8  
 Téléphone / Phone: (780) 454-4477  
 Télécopieur / Fax: (780) 453-2537

# Facture/Invoice

## 91054326

1000213

**Facturé à / Bill-To-Party**

Apollo, Inc  
 PO Box 7305  
 KENNEWICK WA 99336  
 USA

1000213

**Vendu à / Sold-To-Party**

Apollo, Inc  
 PO Box 7305  
 KENNEWICK WA 99336  
 USA

**Livré à / Ship-To-Party**

Coeur D'Alene Wastewater Treatment Plant  
 c/o Apollo Inc (Kevin 509-947-4637)  
 765 W Hubbard Avenue  
 COEUR D'ALENE ID 83814

Commande client# / PO# P162-0024

Date de la facture / Invoice Date: **Apr 23, 2019**      Commande# / Sales Order# / Date: **40001971 / Jul 27, 2018**  
 Autorisation de crédit / Credit Authorization:      Livraison# / Delivery# / Date:  
 Connaissance: BIL/CI/Lading & Transport:      Nom du projet / Project Name: **CDA Tertiary Treatment**  
 Conditions de paiement / Term of Payment: **NET 30 DAYS**  
 Conditions de livraison / Terms of Delivery: **PPD Prepaid Freight Terms**

Article Item	Matériel / Description Material / Description	Quantité Quantity	Prix unitaire Price Unit	TOTAL QTY	Montant Amount USD
700	FIXED PRICE-1030 - CO#4: 7/8 Corrugated Tan Color Wall @PC3	1 AU	11685.00/ 1 AU	1 AU	\$11685.00

Total avant taxes / Total before tax **\$11685.00**

Montant total / Total Amount **\$11685.00**

Remette à / Remit To: Unit 200, 5050 South Service Road, Burlington, Ontario, Canada, L7L 5Y7

*Merci de faire confiance à Vicwest / Thank you for your business*  
 Pour les termes et conditions de ventes, visitez / For Terms and Conditions of Sale, visit  
<http://vicwest.com/fr/termes-et-conditions>  
<http://vicwest.com/terms-and-conditions>



**TIME and MATERIAL COST**

Request No: 63

Date Of Proposal: 5/10/2019

To: CITY OF CDA - WWTP

Job #: 17-010

Regarding: PC-1 SIDING

Job Name: CDA TERTIARY TREATMENT PHASE 2

Attention: \_\_\_\_\_

Work To Be Done:

COST IMPACT TO DISCONNECT AND RECONNECT ELECTRICAL DEVICES FOR  
INSTALLATION OF NEW SIDING AT PC-1

**LABOR CLASSIFICATION**

	RATES			HOURS			EXTENDED
	STRAIGHT	OVERTIME	DBL TIME	STRAIGHT	OVERTIME	DOUBLE TIME	
FOREMAN	\$ 70.99	\$ 95.14	\$ 119.29	17.00			\$ 1,206.83
JOURNEYMAN	\$ 66.50	\$ 88.47	\$ 110.40	17.00			\$ 1,130.50
APPRENTICE	\$ 41.14	\$ 64.50	\$ 90.55				\$ -
PROJECT MANAGER	\$ 85.00						\$ -
LABOR SUB TOTAL							\$ 2,337.33

**EQUIPMENT**

COST + 15%	RATES				QUANTITY	EXTENDED
	HOUR	DAY	WEEK	MONTH		
TOOL SUB TOTAL						\$ -

**MATERIAL**

COST + 15%	EXTENDED	
MATERIAL SUB TOTAL		\$ -

**SUB-CONTRACTOR**

COST + 5%	EXTENDED	
SUB-CONTRACTOR SUB TOTAL		\$ -

**Total Proposed Change Order price: \$ 2,337.33**

Submitted By: DAVE PERRINS, Project Manager Date: 5/10/2019

Approved By: \_\_\_\_\_ Date: \_\_\_\_\_

Title \_\_\_\_\_

Report selections: Job: 17010  
 Phase: CO063  
 Employee: ALL  
 Job status: Active

Superintendent: ALL  
 Estimator: ALL  
 Project manager: ALL  
 Division: ALL

From transaction date: Inception  
 To transaction date: 05/10/19

### MOUNTAIN STATES ELECTRICAL Payroll Hours Analysis Report Phase Detail

Job: 17010 CDA TERTIARY TREATMENT

Employee Code	Employee Name	Hours			Earnings			
		Regular	Overtime	Total	Regular	Overtime	Total	Burden Total
CO-063	PC-3 SIDING REWORK							
OMASEA	SEAN M OMALLEY	17.00		17.00				
PHITAR	TARA V PHILLIPS	17.00		17.00				
<b>Total for phase: CO-063</b>		<b>34.00</b>	<b>0.00</b>	<b>34.00</b>				
<b>Total for job: 17010</b>		<b>34.00</b>	<b>0.00</b>	<b>34.00</b>				
<b>Report totals:</b>		<b>34.00</b>	<b>0.00</b>	<b>34.00</b>				

Work Change Directive No. 048

Date of Issuance: 01/09/2019                      Effective Date: 01/09/2019  
 Owner: City of Coeur d'Alene, ID                      Owner's Contract No.:  
 Contractor: Apollo                      Contractor's Project No.:  
 Engineer: HDR                      Engineer's Project No.: 10026247  
 Project: CDA Tertiary Phase 2 Improvements                      Contract Name:

**Contractor is directed to proceed promptly with the following change(s):**

Description:

- 1) Remove the previously installed metal siding on PC3 due to color incongruities and replace with the approved product.
- a. All work will be T&M and tracked daily by the Contractor and the RPR.
  - b. Contractor shall be responsible for haul-off of previously installed metal siding.
  - c. Contractor shall review final color with Owner and RPR.

Attachments:

1) N/A

**Purpose for Work Change Directive:**

Directive to proceed promptly with the Work described herein, prior to agreeing to changes on Contract Price and Contract Time, is issued due to:

- Non-agreement on pricing of proposed change.
- Necessity to proceed for schedule or other Project reasons.

**Estimated Change in Contract Price and Contract Times (non-binding, preliminary):**

Contract Price \$ TBD                      increase  
 Contract Time 0 days *Unknown at this time. As*




**Basis of estimated change in Contract Price:**

- Lump Sum                       Unit Price
- Cost of the Work per                       Other

**RECOMMENDED:**

**AUTHORIZED BY:**

**RECEIVED:**

By:  _____ Engineer (Authorized Signature) Title: Project Manager Date: 01/09/2019	By:  _____ Owner (Authorized Signature) Title: <i>Cap. Program Mgr.</i> Date: <i>1-9-2019</i>	By:  _____ Contractor (Authorized Signature) Title: <i>VP</i> Date: <i>1/10/19</i>
---	--	---

WCD 049  
SITE BOLLARDS





July 12, 2019

Apollo, Inc.  
1133 West Columbia Drive  
Kennewick, WA 99336

Attn: Amy Jenne

Re: Coeur d'Alene Tertiary Treatment Phase 2 Project  
WCD 049 – Site Bollards  
Engineer's Decision

Amy,

We have reviewed your cost proposal for WCD 049 – Site Bollards. We have found your submitted cost proposal to be acceptable.

A total cost of \$8,210.57 and a total of 0 calendar days will be included in the forthcoming final Change Order.

Sincerely,  
HDR Engineering, Inc.

A handwritten signature in blue ink, appearing to read 'Todd Jensen'.

Todd Jensen, PE, CCM  
*Construction Manager*

cc: Mike Anderson – City of Coeur d'Alene Wastewater Department  
Rickey Schultz – HDR  
Mike Soucie – HDR  
Mary Scalise – HDR



**/// BUILDING PEOPLE WHO BUILD GREAT THINGS**

**Work Change Directive**

Project: City of Coeur d'Alene Tertiary Treatment Phase 2  
 Apollo Inc.

WCD No: 49

Date: 06/27/19

Description	Labor	Mat	Equip.	Subcont. Total	Supp Total	Total
Site Bollards	\$ 3,437.95	\$ 2,663.52	\$ 91.06	\$ 1,512.00	\$ 404.69	\$ 8,109.21
<b>SUBTOTAL COST &gt;</b>						<b>\$ 8,109.21</b>
Insurance Premium .5% - Changed Work >						\$ 40.55
Bond Premium .75% - Changed Work >						\$ 60.82
<b>TOTAL LUMP SUM COST &gt;</b>						<b>\$ 8,210.57</b>

**Work Change Directive**  
**Project: City of Coeur d'Alene Tertiary Treatment Phase 2**  
**Apollo Inc.**

WCD No: 49  
 Item No: 1  
 Date: 6/27/19

*Item Description: Site Bollards*

Description	Qty	U of M	Rate	Labor	Unit	Rate	Mat	Unit	Rate	Equip.	Subcont. Total	Total
<b>APOLLO - PROJECT SUPERVISION COSTS</b>												
Project Manager	2.0	HR	\$ 90.00	\$ 180.00								\$ 180.00
Project Superintendent	28.0	HR	\$ 79.56	\$ 2,227.68								\$ 2,227.68
Site Civil Superintendent	0.0	HR	\$ 68.08	\$ -								\$ -
<b>APOLLO - CRAFT LABOR COSTS</b>												
<b>Carpenters</b>												
Carpenter	8.0	HR	\$ 38.37	\$ 306.96								\$ 306.96
<b>Laborers</b>												
General	8.0	HR	\$ 34.36	\$ 274.88								\$ 274.88
<b>APOLLO - OPERATED EQUIPMENT</b>												
<b>Forklift - CAT TH83</b>												
+ Operator		HR	\$ 45.84	\$ -								\$ -
+ Operating Costs	2.0							HRLY	\$ 39.59	\$ 79.18		\$ 79.18
<b>APOLLO - MATERIAL COSTS</b>												
Bollards	1.0				LS	\$ 2,316.10	\$ 2,316.10					\$ 2,316.10
							\$ -					\$ -
Apollo - Subtotal Direct Costs >				\$ 2,989.52			\$ 2,316.10			\$ 79.18		\$ 5,384.80
Markup on Self-Performed Labor, Mat's & Equipment >	15.0%			\$ 448.43			\$ 347.42			\$ 11.88		\$ 807.72
<b>SUBCONTRACTOR COSTS</b>												
Extreme Coatings	1										\$ 1,440.00	\$ 1,440.00
											\$ -	\$ -
Subtotal Subcontractors Costs >											\$ 1,440.00	\$ 1,440.00
Markup on Subcontractor Costs >	5.0%										\$ 72.00	\$ 72.00
<b>SUPPLEMENTAL COSTS</b>												
Special Consultants											\$ -	\$ -
Subsistence for Project Supervision	28.0				HR	\$ 11.25	\$ 315.00					\$ 315.00
Temporary Facilities at the Site					LS		\$ -					\$ -
Small Tools	1.0				LS	\$ 89.69	\$ 89.69					\$ 89.69
Subtotal Supplementary Costs >							\$ 404.69				\$ -	\$ 404.69
Markup on Supplementary Costs >	0.0											\$ -

Contractor - Total Direct Costs w/Markup >	\$ 8,109.21
Insurance Premium .5% - Changed Work >	\$ 40.55
Bond Premium .75% - Changed Work >	\$ 60.82
<b>TOTAL LUMP SUM COST &gt;</b>	<b>\$ 8,210.57</b>



Bollards WCD 49

Design, price, order, coordinate Kevin Barker 20 hrs

Pick up from fabricator and deliver to Extreme. Kevin Barker 4 hrs  
All truck

Pick up from Extreme and deliver to site Kevin Barker 4 hrs  
All truck

Bill for fab from Cooper fab ✓

Bill from Extreme Coating for ✓  
shop blast + shop paint.

Install 1 camp 8 hrs, 1 labor 8 hrs



**Cooper Fabrication, Inc.**

P.O. Box 2824  
 Post Falls, ID 83877-2824

Voice: 208-777-0114  
 Fax: 208-262-9901

Idaho Contractors  
 Registration #  
 RCE-13423

WA Contractors  
 Registration #  
 COOPEFI938 RL

**INVOICE**

Invoice Number: 17088  
 Invoice Date: Feb 8, 2019

**Bill To:**

Apollo Inc.  
 1115 S Clodfelter  
 Kennewick, WA 99338

Customer ID	Customer PO	Payment Terms
APOLLO	P-162-extra work	C.O.D.
		<b>Due Date</b>
		2/8/19

Quantity	Description	Unit Price	Amount
	Bollards per customer drawings and quote		1,940.00
	Additional cost to cap per quote		245.00

Subtotal	2,185.00
Sales Tax	131.10
Total Invoice Amount	2,316.10
Payment/Credit Applied	
<b>TOTAL</b>	<b>2,316.10</b>

We will add finance charges on invoices more than 30 days overdue.



APOLLO, INC.  
 FEB 28 2019  
 RECEIVED

**INVOICE**

<b>Bill to:</b> Apollo, Inc. 1133 W. Columbia Drive Kennewick, WA 99336		<b>Invoice #</b> 9390-12	<b>Date</b> 2/25/2019
<b>Project:</b> CDA Tertiary Treatment Phase 2 Improvements Per Kevin Burke			
<b>Description</b>	<b>Amount</b>	<b>% Completed</b>	<b>Previously Invoiced</b>
Blast, Paint & Finish Bollards at ECI Pasco Shop	\$1,440.00	100.00%	\$0.00
Less 5% Retention			
<b>Amount Due this Invoice</b>			<b>\$1,440.00</b>

**Send Payment to:**

Extreme Coatings, Inc. dba ECI Services  
 Sarah Wright  
 PO Box 1184  
 Pasco, WA 99301

Phone: 509-545-0570  
 Fax: 509-545-0580  
 TIN: 91-2036926  
 E-Mail: [info@extremecoatings.us](mailto:info@extremecoatings.us)

Date of Issuance: 03/04/19 Effective Date: 03/04/19  
 Owner: City of Coeur d'Alene, ID Owner's Contract No.:  
 Contractor: Apollo Contractor's Project No.:  
 Engineer: HDR Engineer's Project No.: 10026247  
 Project: CDA Tertiary Phase 2 Improvements Contract Name:

**Contractor is directed to proceed promptly with the following change(s):**

Description: Site bollards – Provide eight (8) site bollards per field discussions on materials, types and locations.

- 1) Material shall be 6-inch 40 gauge steel pipe. The floor mounted plate material shall be 3/8-inch steel. The anchor bolts shall be 3/8-inch minimum with 4-inch embedment. The top plate shall be welded flat with no concrete inside.
- 2) The type shall be seven (7) vertical approximately 4-feet above finish grade, and one (1) 'U' or 'Yoke' style approximately 30-inches above finished grade.
- 3) The locations shall be as follows:
  - a) Five (5) floor mounted at Chemical Systems Center concrete truck pad:
    - 1) Two at natural gas regulator.
    - 2) Two at south sink.
    - 3) One at north sink.
  - b) Two (2) mounted to concrete barricades:
    - 1) NaOH fill ports.
    - 2) Natural gas regulator at SCB2.
  - c) One (1) Yoke type – wall mounted:
    - 1) Water hydrant at NW corner of PSPS.

Attachments) None

**Purpose for Work Change Directive:**

Directive to proceed promptly with the Work described herein, prior to agreeing to changes on Contract Price and Contract Time, is issued due to:

- Non-agreement on pricing of proposed change.  
 Necessity to proceed for schedule or other Project reasons.

**Estimated Change in Contract Price and Contract Times (non-binding, preliminary):**

Contract Price \$ TBD increase  
 Contract Time 0 days

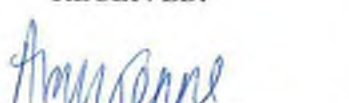
**Basis of estimated change in Contract Price:**

- Lump Sum  Unit Price  
 Cost of the Work  Other

**RECOMMENDED:****AUTHORIZED BY:****RECEIVED:**

By: 

By: 

By: 

Engineer (Authorized Signature)

Owner (Authorized Signature)

Contractor (Authorized Signature)

Title: Project Manager

Title: Cap. Program Mgr.

Title:

Date: 03/04/19

Date: 3-4-2019

Date: 3/6/19

WCD 050

SCB2 PIPING & HEAT TRACE MODIFICATIONS



August 22, 2019

Apollo, Inc.  
1133 West Columbia Drive  
Kennewick, WA 99336

Attn: Amy Jenne

Re: Coeur d'Alene Tertiary Treatment Phase 2 Project  
WCD 050 – SCB2 Piping & Heat Trace Modifications  
Engineer's Decision

Amy,

We have reviewed your cost proposal for WCD 050 – SCB2 Piping & Heat Trace Modifications. We have found your submitted cost proposal to be acceptable.

A total cost of \$14,126.92 and a total of 0 calendar days will be included in the forthcoming final Change Order.

Sincerely,  
HDR Engineering, Inc.

A handwritten signature in blue ink, appearing to read 'Todd Jensen'.

Todd Jensen, PE, CCM  
*Construction Manager*

cc: Mike Anderson – City of Coeur d'Alene Wastewater Department  
Rickey Schultz – HDR  
Mike Soucie – HDR  
Mary Scalise – HDR





**/// BUILDING PEOPLE WHO BUILD GREAT THINGS**

**Work Change Directive**  
 Project: City of Coeur d'Alene Tertiary Treatment Phase 2  
 Apollo Inc.

WCD No: 50

Date: 06/27/19

Description	Labor	Mat	Equip.	Subcont. Total	Supp Total	Total
SCB2 Piping & Heat Trace Mods	\$ 5,015.15	\$ 7,527.69	\$ -	\$ 1,409.67	\$ -	\$ 13,952.51
<b>SUBTOTAL COST &gt;</b>						<b>\$ 13,952.51</b>
Insurance Premium .5% - Changed Work >						\$ 69.76
Bond Premium .75% - Changed Work >						\$ 104.64
<b>TOTAL LUMP SUM COST &gt;</b>						<b>\$ 14,126.92</b>

Work Change Directive  
 Project: City of Coeur d'Alene Tertiary Treatment Phase 2  
 Apollo Inc.

WCD No: 50  
 Item No: 1  
 Date: 6/27/19

Item Description: SCB2 Piping & Heat Trace Mods

Description	Qty	U of M	Rate	Labor	Unit	Rate	Mat	Unit	Rate	Equip.	Subcont. Total	Total
<b>APOLLO - PROJECT SUPERVISION COSTS</b>												
Project Manager	4.0	HR	\$ 90.00	\$ 360.00								\$ 360.00
Project Superintendent	0.0	HR	\$ 79.56	\$ -								\$ -
Mechanical Superintendent	4.0	HR	\$ 68.08	\$ 272.32								\$ 272.32
<b>APOLLO - CRAFT LABOR COSTS</b>												
<b>Carpenters</b>												
Foreman		HR	\$ 43.52	\$ -								\$ -
Carpenter	12.0	HR	\$ 38.37	\$ 460.44								\$ 460.44
<b>Laborers</b>												
General	10.0	HR	\$ 34.36	\$ 343.60								\$ 343.60
<b>Pipefitter</b>												
Pipefitter	48.0	HR	\$ 60.93	\$ 2,924.64								\$ 2,924.64
<b>APOLLO - MATERIAL COSTS</b>												
HDF	1.0				LS	\$ 6,545.82	\$ 6,545.82					\$ 6,545.82
							\$ -					\$ -
							\$ -					\$ -
Apollo - Subtotal Direct Costs >				\$ 4,361.00			\$ 6,545.82			\$ -		\$ 10,906.82
Markup on Self-Performed Labor, Mat'ls & Equipment >	15.0%			\$ 654.15			\$ 981.87			\$ -		\$ 1,636.02
<b>SUBCONTRACTOR COSTS</b>												
MSE	1										\$ 1,142.54	\$ 1,142.54
ECI	1										\$ 200.00	\$ 200.00
Subtotal Subcontractors Costs >											\$ 1,342.54	\$ 1,342.54
Markup on Subcontractor Costs >	5.0%										\$ 67.13	\$ 67.13
<b>SUPPLEMENTAL COSTS</b>												
Special Consultants											\$ -	\$ -
Subsistence for Project Supervision					HR	\$ 11.25	\$ -					\$ -
Temporary Facilities at the Site					LS		\$ -					\$ -
Small Tools	0.0				LS	\$ -	\$ -					\$ -
Subtotal Supplementary Costs >							\$ -				\$ -	\$ -
Markup on Supplementary Costs >	0.0											

Contractor - Total Direct Costs w/Markup >	\$ 13,952.51
Insurance Premium .5% - Changed Work >	\$ 69.76
Bond Premium .75% - Changed Work >	\$ 104.64
<b>TOTAL LUMP SUM COST &gt;</b>	<b>\$ 14,126.92</b>



...Building People Who Build Great Things

## Daily Report of Force Account Worked

Contract Number	Date 5-27-19	Item Number	Item Name WCD # 36
Prime Contractor		Subcontractor / Lower Tier Subcontractor	
Line / Station	Group	Basis of Material Acceptance	RAMS Number
Description of Work Performed SCBZ PIPING			

Time Worked Record							
	Workers and/or Equipment Working	Occupation of Workers or Equipment Size	Hours Worked		Reg. Rate	O.T. Rate	Amount
			Reg.	O.T.			
1	Rick Grnysa	Pipfitter	40				
2	Hector Paez	Carp	10				
3	Al Pino	Laborer	10				
4							
5	HD Fowler						
6	(2) 8" spools with taps						
7	(4) 8" Bellows						
8	(2) 8" Flange Pipe supports						
9							
10							
11							
12							
13							
14							
15							
16							
17							
18							
19							
20							
Calculated By		Date	Checked By		Date	Total	

Ledger Entry Number	Entered By	Date	Entry Verified	Date
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Inspector's Signature	Contractor's Representative Signature	Title
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...Building People Who Build Great Things

## Daily Report of Force Account Worked

Contract Number	Date 5-30-19	Item Number	Item Name WCD #60
Prime Contractor		Subcontractor / Lower Tier Subcontractor	
Line / Station	Group	Basis of Material Acceptance	RAMS Number
Description of Work Performed SCBI (vault re work)			

Time Worked Record							
	Workers and/or Equipment Working	Occupation of Workers or Equipment Size	Hours Worked		Reg. Rate	O.T. Rate	Amount
			Reg.	O.T.			
1	Rick Grn ya	Pipe fitter	8				
2	Hector Paez	Carp.	2				
3							
4							
5							
6	HD Fowler						
7	(2) 3" saddle taps						
8	(2) 3" SST Flange Supports						
9							
10	MSE / control Freq						
11	Pressure Indicator						
12							
13							
14							
15							
16							
17							
18							
19							
20							
Calculated By		Date	Checked By		Date	Total	

Ledger Entry Number	Entered By	Date	Entry Verified	Date
---------------------	------------	------	----------------	------

Inspector's Signature	Contractor's Representative Signature	Title
-----------------------	---------------------------------------	-------



REMIT: PO Box 84368, Seattle, WA 98124

**Invoice Number** **15058208**

PSWH  
# 015290

**Corporate Office**  
3633 136th Pl SE, Ste 100, Bellevue, WA 98006  
PO Box 160, Bellevue, WA 98009-0160  
Phone 425-654-8800 \* Fax 425-641-8885

**Pasco Branch**  
1336 Dietrich Rd  
Pasco, WA 99301  
(509) 545-0255 Fax (509) 545-0299

<b>To:</b> APOLLO INC Attn: Accounts Payable PO Box 7305 KENNEWICK WA 99336-0617	<b>Ship to:</b> 915 HUBBARD AVE COEUR D'ALENE ID 83814		
	<b>Order#</b> O6183328	<b>Inv Date:</b> 01/23/19	<b>Order Writer:</b> Matthew Mahan

<b>Terms:</b> 10P+30 <b>FOB:</b> JOBSITE	<b>Due:</b> 03/10/19 <b>Ship Via:</b> UPS - STANDARD	<b>PO/JOB:</b> TONY LIST P162 TERTIARY TREATMENT PHASE
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Line	Qty Ship'd	Qty BO'd	UoM	Part # Description	Unit Price	Extended Price	T X
1	2		EA	8" FLG VALVE/FTG ADJ PIPE SUPPORT STAND-ON #S89 ZINC PLATED	102.36	204.72	
2	6		EA	4" BOLT KIT,304 STAINLESS STEEL, 8 EA- 5/8" X 3" BOLT WITH NUT, IMPORT	13.93	83.58	
						Sub total	288.30
						Freight	
						Tax	
						<b>Grand Total</b>	<b>288.30</b>

**\*\* New Remittance Address \*\***  
PO Box 84368, Seattle, WA 98124-5668

EFT Routing: 121000248  
EFT Bank No: 418 545 3362

tony





REMIT: PO Box 84368, Seattle, WA 98124

**Invoice Number** **15072800**

PSWH  
# 015290

**Corporate Office**  
3633 136th Pl SE, Ste 100, Bellevue, WA 98006  
PO Box 160, Bellevue, WA 98009-0160  
Phone 425-654-8800 \* Fax 425-641-8885

**Pasco Branch**  
1336 Dietrich Rd  
Pasco, WA 99301  
(509) 545-0255 Fax (509) 545-0299

<b>To:</b> APOLLO INC Attn: Accounts Payable PO Box 7305 KENNEWICK WA 99336-0617	<b>Ship to:</b> 915 HUBBARD AVE COEUR D'ALENE ID 83814	
	<b>Order#</b> O6200116	<b>Inv Date:</b> 02/21/19

<b>Terms:</b> 10P+30 <b>FOB:</b> JOBSITE	<b>Due:</b> 04/10/19 <b>Ship Via:</b> UPS - STANDARD	<b>PO/JOB:</b> FL KITS P162 TERTIARY TREATMENT PHASE
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Line	Qty Ship'd	Qty BO'd	UoM	Part # Description	Unit Price	Extended Price	T X
1	2		EA	8" BOLT KIT,304 STAINLESS STEEL, 8 EA- 3/4" X 3 1/2" BOLT WITH NUT,IMPORT	24.29	48.58	
2	1		EA	OUTBOUND FREIGHT CHARGE	- INC -		
						Sub total	48.58
						Freight	
						Tax	
						<b>Grand Total</b>	<b>48.58</b>

**\*\* New Remittance Address \*\***  
PO Box 84368, Seattle, WA 98124-5668

EFT Routing: 121000248  
EFT Bank No: 418 545 3362

tony d



REMIT: PO Box 84368, Seattle, WA 98124

Invoice Number **14658723**

PSDS # 015290

**Corporate Office**  
 3633 136th Pl SE, Ste 100, Bellevue, WA 98006  
 PO Box 160, Bellevue, WA 98009-0160  
 Phone 425-654-8800 \* Fax 425-641-8885

**Pasco Branch**  
 1336 Dietrich Rd  
 Pasco, WA 99301  
 (509) 545-0255 Fax (509) 545-0299

<b>To:</b> APOLLO INC Attn: Accounts Payable PO Box 7305 KENNEWICK WA 99336-0617	<b>Ship to:</b> 915 HUBBARD AVE COEUR D'ALENE ID 83814		
	<b>Order#</b> O5686314	<b>Inv Date:</b> 10/10/17	<b>Order Writer:</b> Matthew Mahan

<b>Terms:</b> 10P+30 <b>FOB:</b> JOBSITE	<b>Due:</b> 12/10/17 <b>Ship Via:</b> VENDOR'S CHOICE	<b>PO/JOB:</b> SUPPORTS P162 TERTIARY TREATMENT PHASE
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Line	Qty Ship'd	Qty BO'd	UoM	Part # Description	Unit Price	Extended Price	T X
1	5		EA	8" C9208 SADDLE CLAMP 8.63 SS H.D.G. AIS	165.34	826.70	Y
2	4		EA	8" C9208 SADDLE CLAMP FOR DI H.D.G. AIS	156.50	626.00	Y
3	6		EA	6" C9206 SADDLE CLAMP FOR DI H.D.G. AIS	154.33	925.98	Y
7	2		EA	3" C9203 SADDLE CLAMP FOR DI 316 SS AIS	374.55	749.10	Y
8	2		EA	6" S8906 FLANGED PIPE SUPPORT 316 SS AIS	293.06	586.12	Y
9	4		EA	6" C9206 SADDLE CLAMP FOR DI 316 SS AIS	429.14	1,716.56	Y
10	4	2	EA	6" S8906 FLANGED PIPE SUPPORT 316 SS AIS	293.06	1,172.24	Y
11	2		EA	4" C9204 SADDLE CLAMP FOR DI 316 SS AIS	406.94	813.88	Y
17	6		EA	16" STANDON C9216 FOR 16.00 O.D. HOT DIP GALVANIZE D	345.59	2,073.54	Y

**\*\* New Remittance Address \*\***  
 PO Box 84368, Seattle, WA 98124-5668

EFT Routing: 121000248  
 EFT Bank No: 418 545 3362

Sub total 9,490.12  
 Freight  
 Tax 569.41  
**Grand Total 10,059.53**

TONY



REMIT: PO Box 84368, Seattle, WA 98124

**Invoice Number** **15074297**

PSDS  
# 015290

**Corporate Office**  
3633 136th Pl SE, Ste 100, Bellevue, WA 98006  
PO Box 160, Bellevue, WA 98009-0160  
Phone 425-654-8800 \* Fax 425-641-8885

**Pasco Branch**  
1336 Dietrich Rd  
Pasco, WA 99301  
(509) 545-0255 Fax (509) 545-0299

<b>To:</b> APOLLO INC Attn: Accounts Payable PO Box 7305 KENNEWICK WA 99336-0617		<b>Ship to:</b> 915 HUBBARD AVE COEUR D'ALENE ID 83814	
		<b>Order#</b> O6200283	<b>Inv Date:</b> 02/25/19
		<b>Order Writer:</b> Matthew Mahan	
<b>Terms:</b> 10P+30 <b>FOB:</b> JOBSITE		<b>Due:</b> 04/10/19 <b>Ship Via:</b> UPS - STANDARD	<b>PO/JOB:</b> SUPPORT P162 TERTIARY TREATMENT PHASE

Line	Qty Ship'd	Qty BO'd	UoM	Part # Description	Unit Price	Extended Price	T X
1	2		EA	3" SS FLANGE PIPE SUPPORT S8903 125/150 PATTERN	170.30	340.60	
						Sub total	340.60
						Freight	
						Tax	
						<b>Grand Total</b>	<b>340.60</b>

**\*\* New Remittance Address \*\***  
PO Box 84368, Seattle, WA 98124-5668

EFT Routing: 121000248  
EFT Bank No: 418 545 3362

tony d



REMIT: PO Box 84368, Seattle, WA 98124

**Invoice Number** **15088499**

PSDS  
# 015290

**Corporate Office**  
3633 136th Pl SE, Ste 100, Bellevue, WA 98006  
PO Box 160, Bellevue, WA 98009-0160  
Phone 425-654-8800 \* Fax 425-641-8885

**Pasco Branch**  
1336 Dietrich Rd  
Pasco, WA 99301  
(509) 545-0255 Fax (509) 545-0299

<b>To:</b> APOLLO INC Attn: Accounts Payable PO Box 7305 KENNEWICK WA 99336-0617	<b>Ship to:</b> 915 HUBBARD AVE COEUR D'ALENE ID 83814	
	<b>Order#</b> O6196107	<b>Inv Date:</b> 03/19/19

<b>Terms:</b> 10P+30 <b>FOB:</b> JOBSITE	<b>Due:</b> 05/10/19 <b>Ship Via:</b> VENDOR'S CHOICE	<b>PO/JOB:</b> BELLOW P162 TERTIARY TREATMENT PHASE
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Line	Qty Ship'd	Qty BO'd	UoM	Part # Description	Unit Price	Extended Price	T X
1	4		EA	8 X 6 231/NP SGL ARCH NITRILE EXP JT WITH RETAINING RODS AND LIMIT RODS	708.75	2,835.00	
						<b>Sub total</b> 2,835.00 <b>Freight</b> <b>Tax</b>	
						<b>Grand Total</b>	2,835.00

**\*\* New Remittance Address \*\***  
 PO Box 84368, Seattle, WA 98124-5668  
 EFT Routing: 121000248  
 EFT Bank No: 418 545 3362

TONY



REMIT: PO Box 84368, Seattle, WA 98124

**Invoice Number** **I4821048**

PSDS  
# 015290

**Corporate Office**  
3633 136th Pl SE, Ste 100, Bellevue, WA 98006  
PO Box 160, Bellevue, WA 98009-0160  
Phone 425-654-8800 \* Fax 425-641-8885

**Pasco Branch**  
1336 Dietrich Rd  
Pasco, WA 99301  
(509) 545-0255 Fax (509) 545-0299

<b>To:</b> APOLLO INC Attn: Accounts Payable PO Box 7305 KENNEWICK WA 99336-0617		<b>Ship to:</b> 915 HUBBARD AVE COEUR D'ALENE ID 83814	
		<b>Order#</b> O5899381	<b>Inv Date:</b> 05/11/18
		<b>Order Writer:</b> Matthew Mahan	
<b>Terms:</b> 10P+30 <b>FOB:</b> JOBSITE		<b>Due:</b> 07/10/18 <b>Ship Via:</b> UPS - STANDARD	<b>PO/JOB:</b> SECONDARY CONTROL BUILD P162 TERTIARY TREATMENT PHASE

Line	Qty Ship'd	Qty BO'd	UoM	Part # Description	Unit Price	Extended Price	T X
2	2		EA	8" ROMAC RFCA FOR DI RFCA-9.05 WITH STAINLESS STEEL B/N	329.33	658.66	
						Sub total	658.66
						Freight	
						Tax	
						<b>Grand Total</b>	<b>658.66</b>

**\*\* New Remittance Address \*\***  
PO Box 84368, Seattle, WA 98124-5668

EFT Routing: 121000248  
EFT Bank No: 418 545 3362

tony d





REMIT: PO Box 84368, Seattle, WA 98124

**Invoice Number** **15072363**

PSDS  
# 015290

**Corporate Office**  
3633 136th Pl SE, Ste 100, Bellevue, WA 98006  
PO Box 160, Bellevue, WA 98009-0160  
Phone 425-654-8800 \* Fax 425-641-8885

**Pasco Branch**  
1336 Dietrich Rd  
Pasco, WA 99301  
(509) 545-0255 Fax (509) 545-0299

<b>To:</b> APOLLO INC Attn: Accounts Payable PO Box 7305 KENNEWICK WA 99336-0617	<b>Ship to:</b> 915 HUBBARD AVE COEUR D'ALENE ID 83814	
	<b>Order#</b> O6196107	<b>Inv Date:</b> 02/21/19
<b>Terms:</b> 10P+30 <b>FOB:</b> JOBSITE	<b>Due:</b> 04/10/19 <b>Ship Via:</b> VENDOR'S CHOICE	<b>PO/JOB:</b> BELLOW P162 TERTIARY TREATMENT PHASE

Line	Qty Ship'd	Qty BO'd	UoM	Part # Description	Unit Price	Extended Price	T X
2	1		EA	8" X 1' FL X FL SPOOL CML/PRIME COAT TOL2 - 2" TOL @90DEGREE 3" FFE IPT - 1" TAP @0DEGREE TDC 9" FFE	788.50	788.50	
						Sub total	788.50
						Freight	
						Tax	
						<b>Grand Total</b>	<b>788.50</b>

**\*\* New Remittance Address \*\***  
PO Box 84368, Seattle, WA 98124-5668

EFT Routing: 121000248  
EFT Bank No: 418 545 3362

TONY



REMIT: PO Box 84368, Seattle, WA 98124

Invoice Number **15084994**

PSDS # 015290

**Corporate Office**  
 3633 136th Pl SE, Ste 100, Bellevue, WA 98006  
 PO Box 160, Bellevue, WA 98009-0160  
 Phone 425-654-8800 \* Fax 425-641-8885

**Pasco Branch**  
 1336 Dietrich Rd  
 Pasco, WA 99301  
 (509) 545-0255 Fax (509) 545-0299

<b>To:</b> APOLLO INC Attn: Accounts Payable PO Box 7305 KENNEWICK WA 99336-0617	<b>Ship to:</b> 915 HUBBARD AVE COEUR D'ALENE ID 83814	
	<b>Order#</b> O6196429	<b>Inv Date:</b> 03/14/19
<b>Terms:</b> 10P+30 <b>FOB:</b> JOBSITE	<b>Due:</b> 05/10/19 <b>Ship Via:</b> VENDOR'S CHOICE	<b>PO/JOB:</b> BELLOWS P162 TERTIARY TREATMENT PHASE

Line	Qty Ship'd	Qty BO'd	UoM	Part # Description	Unit Price	Extended Price	T X
1	1		EA	8" X 1' FL X FL SPOOL CML/PRIME COAT TOL2 - 2" TOL @90DEGREE 3" FFE IPT - 1" TAP @0DEGREE TDC 9" FFE	788.50	788.50	
						Sub total	788.50
						Freight	
						Tax	
						<b>Grand Total</b>	<b>788.50</b>

**\*\* New Remittance Address \*\***  
 PO Box 84368, Seattle, WA 98124-5668

EFT Routing: 121000248  
 EFT Bank No: 418 545 3362

tony d



**TIME and MATERIAL COST**

Request No: 58

Date Of Proposal: 5/10/2019

To: CITY OF CDA - WWTP

Job #: 17-010

Regarding: WCD 50

Job Name: CDA TERTIARY TREATMENT PHASE 2

Attention: \_\_\_\_\_

Work To Be Done:

PER WCD-050 HEAT TRACE MODIFICATIONS

**LABOR CLASSIFICATION**

	<u>RATES</u>			<u>HOURS</u>			<u>EXTENDED</u>
	STRAIGHT	OVERTIME	DBL TIME	STRAIGHT	OVERTIME	DOUBLE TIME	
FOREMAN	\$ 70.99	\$ 95.14	\$ 119.29	5.00			\$ 354.95
JOURNEYMAN	\$ 66.50	\$ 88.47	\$ 110.40	2.00			\$ 133.00
APPRENTICE	\$ 41.14	\$ 64.50	\$ 90.55				\$ -
PROJECT MANAGER	\$ 85.00						\$ -
LABOR SUB TOTAL							\$ 487.95

**EQUIPMENT**

COST + 15%	<u>RATES</u>				QUANTITY	<u>EXTENDED</u>
	HOUR	DAY	WEEK	MONTH		
TOOL SUB TOTAL						\$ -

**MATERIAL**

COST + 15%	<u>EXTENDED</u>	
CONDUT FITTING, EXP PROOF LIGHTS	\$ 569.21	
MATERIAL SUB TOTAL		\$ 654.59

**SUB-CONTRACTOR**

COST + 5%	<u>EXTENDED</u>	
SUB-CONTRACTOR SUB TOTAL		\$ -

**Total Proposed Change Order price: \$ 1,142.54**

Submitted By: DAVE PERRINS, Project Manager Date: 5/10/2019

Approved By: \_\_\_\_\_ Date: \_\_\_\_\_

Title: \_\_\_\_\_

<b>Report selections:</b>	<b>Job:</b> 17010	<b>Superintendent:</b> ALL	<b>From transaction date:</b> Inception
	<b>Phase:</b> CO058	<b>Estimator:</b> ALL	<b>To transaction date:</b> 05/10/19
	<b>Employee:</b> ALL	<b>Project manager:</b> ALL	
	<b>Job status:</b> Active	<b>Division:</b> ALL	

**MOUNTAIN STATES ELECTRICAL  
Payroll Hours Analysis Report  
Phase Detail**

**Job: 17010 CDA TERTIARY TREATMENT**

Employee Code	Employee Name	Hours			Earnings			Burden Total
		Regular	Overtime	Total	Regular	Overtime	Total	
CO-058	WCD050 HEAT TRACE							
EHDWAH	EHDOH WAH	2.00		2.00				
MCCPET	PETE MCCLURE	1.00		1.00				
OMASEA	SEAN M OMALLEY	4.00		4.00				
<b>Total for phase: CO-058</b>		<b>7.00</b>	<b>0.00</b>	<b>7.00</b>				
<b>Total for job: 17010</b>		<b>7.00</b>	<b>0.00</b>	<b>7.00</b>				
<b>Report totals:</b>		<b>7.00</b>	<b>0.00</b>	<b>7.00</b>				





Date of Issuance: 03/04/19 Effective Date: 03/04/19  
 Owner: City of Coeur d'Alene, ID Owner's Contract No.:  
 Contractor: Apollo Contractor's Project No.:  
 Engineer: HDR Engineer's Project No.: 10026247  
 Project: CDA Tertiary Phase 2 Improvements Contract Name:

**Contractor is directed to proceed promptly with the following change(s):**Description: SCB2 Piping/Heat Trace Modifications:

- 1) Rearrange pipe fittings in valve vault to accommodate pressure indicators (PI).
  - a) Relocate PI to pressure side of check valve.
  - b) Provide a PI for each pipe leg in the valve vault.
- 2) Provide single arch expansion joints on either side of both 8-inch RSS pumps.
  - a) Provide 8-inch expansion joint on inlet side with a new spool piece.
  - b) Provide 8-inch expansion joint on discharge side, modifying existing spool piece as needed.
  - c) Provide retaining/limit rods for each new expansion joint.
- 3) Relocate or provide additional heat trace indicator light above the valve vault near the controller for ease of detection.
  - a) This work will be typical of three valve vaults, 1 at SCB2, 1 at PC2, and 1 at PC1.
  - b) Methods will be discussed with Contractor and RPR before working in these areas.
- 4) All work will be T&M and recorded daily.

Attachments) None

**Purpose for Work Change Directive:**

Directive to proceed promptly with the Work described herein, prior to agreeing to changes on Contract Price and Contract Time, is issued due to:

- Non-agreement on pricing of proposed change.  
 Necessity to proceed for schedule or other Project reasons.

**Estimated Change in Contract Price and Contract Times (non-binding, preliminary):**


Contract Price \$ TBD increase  
 Contract Time 0 days

**Basis of estimated change in Contract Price:**

- Lump Sum  Unit Price  
 Cost of the Work  Other

**RECOMMENDED:****AUTHORIZED BY:****RECEIVED:**

By:   
 Engineer (Authorized Signature)

By:   
 Owner (Authorized Signature)

By:   
 Contractor (Authorized Signature)

Title: Project Manager  
 Date: 03/04/19

Title: Cap. Program MGR  
 Date: 3-5-2019

Title: BVP  
 Date: 3/6/19

WCD 051  
PC3 ACTUATOR



July 24, 2019

Apollo, Inc.  
1133 West Columbia Drive  
Kennewick, WA 99336

Attn: Amy Jenne

Re: Coeur d'Alene Tertiary Treatment Phase 2 project  
WCD 051 – PC3 Actuator  
Engineer's Decision

Amy,

We have reviewed your cost proposal for WCD 051 – PC3 Actuator. We have found your submitted cost proposal to be acceptable.

A total cost of \$2,433.49 and a total of 0 calendar days will be included in the forthcoming final Change Order.

Sincerely,  
HDR Engineering, Inc.

A handwritten signature in blue ink, appearing to read 'Todd Jensen'.

Todd Jensen, PE, CCM  
*Construction Manager*

cc: Jim Remitz – City of Coeur d'Alene Wastewater Department  
Rickey Schultz – HDR  
Mike Soucie – HDR  
Mary Scalise – HDR



**/// BUILDING PEOPLE WHO BUILD GREAT THINGS**

**Work Change Directive**  
 Project: City of Coeur d'Alene Tertiary Treatment Phase 2  
 Apollo Inc.

WCD No: 51  
 Date: 06/17/19

Description	Labor	Mat	Equip.	Subcont. Total	Supp Total	Total
PC3 Actuator	\$ 572.98	\$ -	\$ -	\$ 1,830.48	\$ -	\$ 2,403.45
<b>SUBTOTAL COST &gt;</b>						<b>\$ 2,403.45</b>
Insurance Premium .5% - Changed Work >						\$ 12.02
Bond Premium .75% - Changed Work >						\$ 18.03
<b>TOTAL LUMP SUM COST &gt;</b>						<b>\$ 2,433.49</b>

**Work Change Directive**  
**Project: City of Coeur d'Alene Tertiary Treatment Phase 2**  
**Apollo Inc.**

**WCD No:** 51  
**Item No:** 1  
**Date:** 6/17/19

*Item Description: PC3 Actuator*

Description	Qty	U of M	Rate	Labor	Unit	Rate	Mat	Unit	Rate	Equip.	Subcont. Total	Total
<b>APOLLO - PROJECT SUPERVISION COSTS</b>												
Project Manager	2.0	HR	\$ 90.00	\$ 180.00								\$ 180.00
Project Superintendent	4.0	HR	\$ 79.56	\$ 318.24								\$ 318.24
<b>SUBCONTRACTOR COSTS</b>												
MSE	1										\$ 762.93	\$ 762.93
Air Tech	1										\$ 980.38	\$ 980.38
Subtotal Subcontractors Costs >											\$ 1,743.31	\$ 1,743.31
Markup on Subcontractor Costs >	5.0%										\$ 87.17	\$ 87.17
<b>SUPPLEMENTAL COSTS</b>												
Special Consultants											\$ -	\$ -
Subsistence for Project Supervision					HR	\$ 11.25	\$ -					\$ -
Temporary Facilities at the Site					LS		\$ -					\$ -
Small Tools	0.0				LS	\$ -	\$ -					\$ -
Subtotal Supplementary Costs >							\$ -				\$ -	\$ -
Markup on Supplementary Costs >	0.0											

<b>Contractor - Total Direct Costs w/Markup &gt;</b>	<b>\$ 2,403.45</b>
Insurance Premium .5% - Changed Work >	\$ 12.02
Bond Premium .75% - Changed Work >	\$ 18.03
<b>TOTAL LUMP SUM COST &gt;</b>	<b>\$ 2,433.49</b>



FROM: AIR TECH MECHANICAL COMPANY  
TO: APPOLLO INC.  
RE: CITY OF COEUR D'ALENE  
ADVANCED WASTE WATER TREATMENT FACILITY  
TERTIARY TREATMENT PHASE 2

---

WCD-SUMMARY OF COSTS

Description: Remove and replace previously provided Damper Actuator and NEMA  
explosion proof enclosure at Foul Air Duct with Belimo EFX120 Damper  
Actuator as approved by HDR 03/06/2019.

---

Labor:

Remove/Replace Actuator and Enclosure	2.0 hr. @ \$73.91	\$ 147.82	
Custom modify shaft at damper	2.5 hr. @ \$73.91	\$ 184.78	
Subtotal Labor Cost			\$ 332.60

Materials:

Actuator		\$ \$ 450.50	
Shaft Modification (SS Tube)		\$ 40.00	
ISST Tax Materials (6%x \$490,50)		\$ 29.40	
Subtotal Material Costs			\$ 519.90

Summary of Costs:

			\$ 852.50
OH & P (15% x \$1,635.95)			\$ 127.88

! Lump Sum Cost Increase \$ 980.38

Submitted To: Kevin Burke/Amy Jenne

Submitted By: John Shaffer

Date: 05/20/2019



**TIME and MATERIAL COST**

Request No: 62

Date Of Proposal: 5/10/2019

To: CITY OF CDA - WWTP

Job #: 17-010

Regarding: WCD-051

Job Name: CDA TERITARY TREATMENT PHASE 2

Attention: \_\_\_\_\_

Work To Be Done: PER WCD-051 MAKE ADJUSTMENTS TO DAMPER CONTROLS  
DPR-220-36

LABOR CLASSIFICATION	RATES			HOURS			EXTENDED
	STRAIGHT	OVERTIME	DBL TIME	STRAIGHT	OVERTIME	DOUBLE TIME	
FOREMAN	\$ 70.99	\$ 95.14	\$ 119.29	7.00			\$ 496.93
JOURNEYMAN	\$ 66.50	\$ 88.47	\$ 110.40	4.00			\$ 266.00
APPRENTICE	\$ 41.14	\$ 64.50	\$ 90.55				\$ -
PROJECT MANAGER	\$ 85.00						\$ -
LABOR SUB TOTAL							\$ 762.93

EQUIPMENT COST + 15%	RATES				QUANTITY	EXTENDED
	HOUR	DAY	WEEK	MONTH		
TOOL SUB TOTAL						\$ -

MATERIAL COST + 15%	EXTENDED	
MATERIAL SUB TOTAL		\$ -

SUB-CONTRACTOR COST + 5%	EXTENDED	
SUB-CONTRACTOR SUB TOTAL		\$ -

**Total Proposed Change Order price: \$ 762.93**

Submitted By: DAVE PERRINS, Project Manager Date: 5/10/2019

Approved By: \_\_\_\_\_ Date: \_\_\_\_\_

Title: \_\_\_\_\_

Date of Issuance: 03/11/19 Effective Date: 03/11/19  
 Owner: City of Coeur d'Alene, ID Owner's Contract No.:  
 Contractor: Apollo Contractor's Project No.:  
 Engineer: HDR Engineer's Project No.: 10026247  
 Project: CDA Tertiary Phase 2 Improvements Contract Name:

**Contractor is directed to proceed promptly with the following change(s):**Description:

Provide one (1) dual voltage control relay (120AC/24DC), 10Amp rated, with two (2) Normal Open and two (2) Normal Closed contacts, DIN rail mountable. Allen Bradley 700-P or equal. Provide NEMA 3R/4 enclosure with DIN rail mounting for relay installation. Hoffman or equal with multiple conduit penetrations for entry from MPZ-220/LCP-4352 and exit to DPR-220-36. Coil voltage shall be supplied via LCP-4352 through the digital output contact. Provide Belimo actuator, or approved equal, rated for the size, application, and intent, for the operation of DPR-220-36 in an unclassified space. See actuator wiring diagram for operational intent.

Attachments:

1) Actuator Wiring Diagram

**Purpose for Work Change Directive:**

Directive to proceed promptly with the Work described herein, prior to agreeing to changes on Contract Price and Contract Time, is issued due to:

- Non-agreement on pricing of proposed change.  
 Necessity to proceed for schedule or other Project reasons.




**Estimated Change in Contract Price and Contract Times (non-binding, preliminary):**

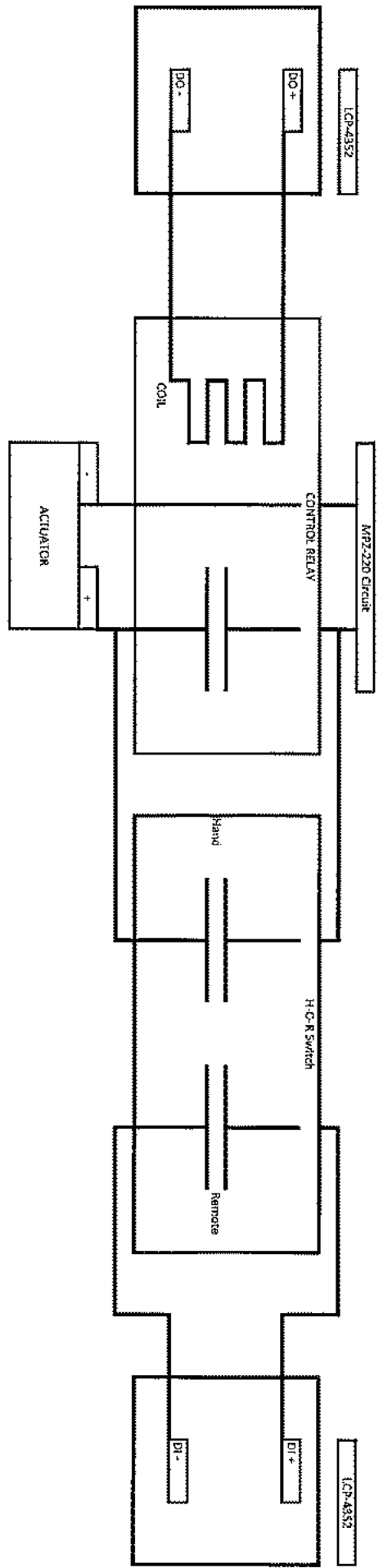
Contract Price \$ TBD increase  
 Contract Time 0 days

**Basis of estimated change in Contract Price:**

- Lump Sum  Unit Price  
 Cost of the Work  Other

**RECOMMENDED:****AUTHORIZED BY:****RECEIVED:**

By:  By:  By:   
 Engineer (Authorized Signature) Owner (Authorized Signature) Contractor (Authorized Signature)  
 Title: Project Manager Title: Cap. Program Mgr. Title: VP  
 Date: 03/11/19 Date: 3-11-2019 Date: 3/11/19



WCD 052

MISCELLANEOUS ELECTRICAL





July 15, 2019

Apollo, Inc.  
1133 West Columbia Drive  
Kennewick, WA 99336

Attn: Amy Jenne

Re: Coeur d'Alene Tertiary Treatment Phase 2 Project  
WCD 052 – Miscellaneous Electrical  
Engineer's Decision

Amy,

We have reviewed your cost proposal for WCD 052 – Miscellaneous Electrical. We have found your submitted cost proposal to be acceptable.

A total cost of \$9,973.78 and a total of 0 calendar days will be included in the forthcoming final Change Order.

Sincerely,  
HDR Engineering, Inc.

A handwritten signature in blue ink, appearing to read 'Todd Jensen'.

Todd Jensen, PE, CCM  
*Construction Manager*

cc: Mike Anderson – City of Coeur d'Alene Wastewater Department  
Rickey Schultz – HDR  
Mike Soucie – HDR  
Mary Scalise – HDR



**Basis of estimated change in Contract Price:**

- Lump Sum  
 Cost of the Work

- Unit Price  
 Other

**RECOMMENDED:**

**AUTHORIZED BY:**

**RECEIVED:**

By: 

By: 

By: 

Engineer (Authorized Signature)

Owner (Authorized Signature)

Contractor (Authorized Signature)

Title: Project Manager

Title: CAP. PROGRAM MGR.

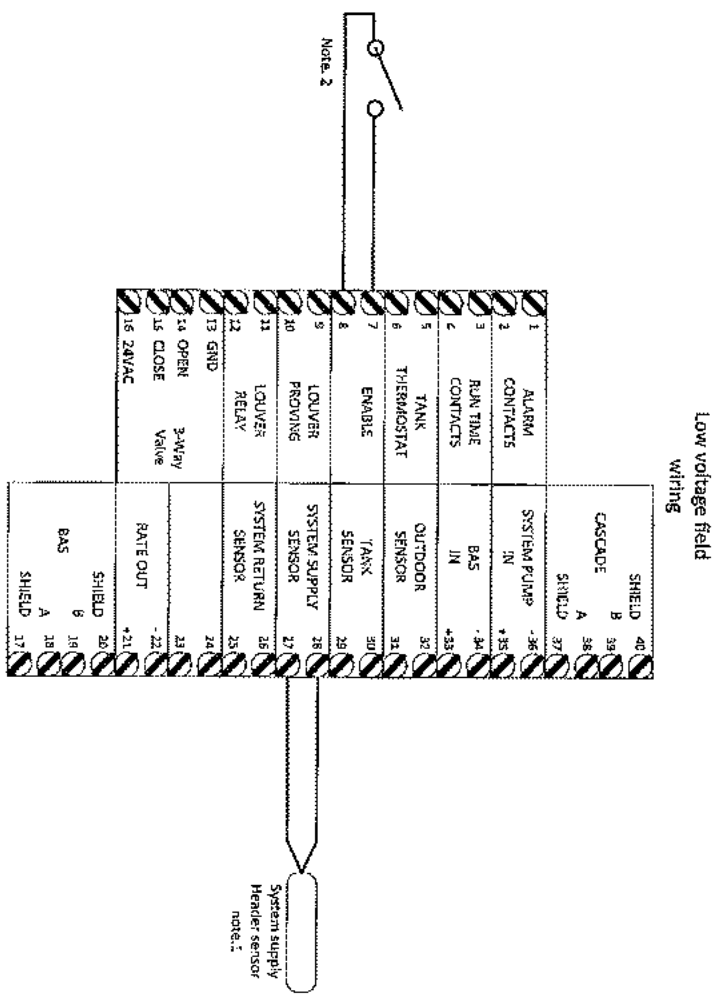
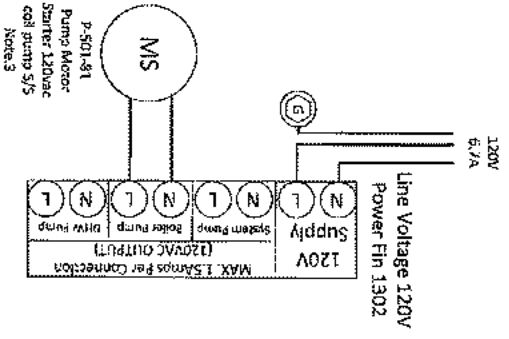
Title: VP

Date: 03/06/19

Date: 3-6-2019

Date: 3/6/19

# Lochinvar Power Fin 1302 Connection detail



Contractor/Project: Coeur d'Alene Treatment  
Phase 2  
Sales Rep. Mike Caffrey  
Date: 2/19/19  
CHC Job# 17-3470  
REV.  
Drawn BY:SWV



Notes: 1. Install (boiler supplied) system supply sensor on supply to the main loop see attached for location, marked in on RFI 123 located between the blue arrows. If a well is not available you can use a strap on type 10K Type II thermister, we have them p/n 10KSTRAPON-4X, threaded NPT connection not required. Standard pair wires, no wire spec.  
2. Enable, dry contact input, CLOSE enable boiler OPEN disables boiler.  
3. Boiler Pump output 120vac pilot duty use to power motor starter coil for start/stop of P-501-81



**/// BUILDING PEOPLE WHO BUILD GREAT THINGS**

**Work Change Directive**  
 Project: City of Coeur d'Alene Tertiary Treatment Phase 2  
 Apollo Inc.

WCD No: 52

Date: 06/07/19

Description	Labor	Mat	Equip.	Subcont. Total	Supp Total	Total
Misc. Electrical	\$ 310.50	\$ -	\$ -	\$ 9,540.14	\$ -	\$ 9,850.64
<b>SUBTOTAL COST &gt;</b>						<b>\$ 9,850.64</b>
Insurance Premium .5% - Changed Work >						\$ 49.25
Bond Premium .75% - Changed Work >						\$ 73.88
<b>TOTAL LUMP SUM COST &gt;</b>						<b>\$ 9,973.78</b>



**Work Change Directive**  
**Project: City of Coeur d'Alene Tertiary Treatment Phase 2**  
**Apollo Inc.**

**WCD No:** 52  
**Item No:** 1  
**Date:** 6/7/19

*Item Description: Misc. Electrical*

Description	Qty	U of M	Rate	Labor	Unit	Rate	Mat	Unit	Rate	Equip.	Subcont. Total	Total
<b>APOLLO - PROJECT SUPERVISION COSTS</b>												
Project Manager	3.0	HR	\$ 90.00	\$ 270.00								\$ 270.00
Project Superintendent	0.0	HR	\$ 79.56	\$ -								\$ -
<b>SUBCONTRACTOR COSTS</b>												
MSE	1										\$ 9,085.85	\$ 9,085.85
											\$ -	\$ -
Subtotal Subcontractors Costs >											\$ 9,085.85	\$ 9,085.85
Markup on Subcontractor Costs >	5.0%										\$ 454.29	\$ 454.29
<b>SUPPLEMENTAL COSTS</b>												
Special Consultants											\$ -	\$ -
Subsistence for Project Supervision					HR	\$ 11.25	\$ -					\$ -
Temporary Facilities at the Site					LS		\$ -					\$ -
Small Tools	0.0				LS	\$ -	\$ -					\$ -
Subtotal Supplementary Costs >							\$ -				\$ -	\$ -
Markup on Supplementary Costs >	0.0											

<b>Contractor - Total Direct Costs w/Markup &gt;</b>	<b>\$ 9,850.64</b>
Insurance Premium .5% - Changed Work >	\$ 49.25
Bond Premium .75% - Changed Work >	\$ 73.88
<b>TOTAL LUMP SUM COST &gt;</b>	<b>\$ 9,973.78</b>



**TIME and MATERIAL COST**

Request No: 66

Date Of Proposal: 6/7/19/2019

To: CITY OF CDA - WWTP

Job #: 17-010

Regarding: WCD-052

Job Name: CDA TERITARY TREATMENT PHASE 2

Attention: AMY JENNE

Work To Be Done:

COST IMPACT PER WCD-052  
THIS COVERS RFI-123, RFI-126, 127 and RFI-135

**LABOR CLASSIFICATION**

	RATES			HOURS			EXTENDED
	STRAIGHT	OVERTIME	DBL TIME	STRAIGHT	OVERTIME	DOUBLE TIME	
FOREMAN	\$ 70.99	\$ 95.14	\$ 119.29	56.00			\$ 3,975.44
JOURNEYMAN	\$ 66.50	\$ 88.47	\$ 110.40	34.00			\$ 2,261.00
APPRENTICE	\$ 41.14	\$ 64.50	\$ 90.55				\$ -
PROJECT MANAGER	\$ 85.00						\$ -
LABOR SUB TOTAL							\$ 6,236.44

**EQUIPMENT**

COST + 15%	RATES				QUANTITY	EXTENDED
	HOUR	DAY	WEEK	MONTH		
TOOL SUB TOTAL						\$ -

**MATERIAL**

COST + 15%	EXTENDED	
CONDUIT, WIRE, FITTINGS, etc	\$ 1,327.31	
MATERIAL SUB TOTAL		\$ 1,526.41

**SUB-CONTRACTOR**

COST + 5%	EXTENDED	
CONTROL FREEK	\$ 280.00	
	\$ 980.00	
SUB-CONTRACTOR SUB TOTAL		\$ 1,323.00

**Total Proposed Change Order price: \$ 9,085.85**

Submitted By: DAVE PERRINS, Project Manager Date: 6/7/2019

Approved By: \_\_\_\_\_ Date: \_\_\_\_\_

Title \_\_\_\_\_

<b>Report selections:</b>	<b>Job:</b> 17010	<b>Superintendent:</b> ALL	<b>From transaction date:</b> Inception
	<b>Phase:</b> CO050,CO051,CO052,CO055,CO061	<b>Estimator:</b> ALL	<b>To transaction date:</b> 06/07/19
	<b>Employee:</b> ALL	<b>Project manager:</b> ALL	
	<b>Job status:</b> Active	<b>Division:</b> ALL	

**MOUNTAIN STATES ELECTRICAL  
Payroll Hours Analysis Report  
Phase Detail**

**Job: 17010 CDA TERTIARY TREATMENT**

Employee Code	Employee Name	Hours			Earnings			Burden Total
		Regular	Overtime	Total	Regular	Overtime	Total	
CO-050	RFI 123 BOILER CHANGES							
EHDWAH	EHDOH WAH	15.00		15.00	891.62		891.62	377.12
JUDADA	ADAM T JUDGE	11.00		11.00	599.88		599.88	260.31
MCCPET	PETE MCCLURE	21.00		21.00	1,334.18		1,334.18	541.85
OMASEA	SEAN M OMALLEY	17.00		17.00	1,042.46		1,042.46	401.05
<b>Total for phase: CO-050</b>		<b>64.00</b>	<b>0.00</b>	<b>64.00</b>	<b>3,868.14</b>	<b>0.00</b>	<b>3,868.14</b>	<b>1,580.33</b>
CO-051	RFI 126 HVAC CHANGES							
MCCPET	PETE MCCLURE	2.00		2.00	127.47		127.47	52.01
<b>Total for phase: CO-051</b>		<b>2.00</b>	<b>0.00</b>	<b>2.00</b>	<b>127.47</b>	<b>0.00</b>	<b>127.47</b>	<b>52.01</b>
CO-052	RFI 127 P-001-01 SEAL FAI							
EHDWAH	EHDOH WAH	2.00		2.00	118.88		118.88	50.28
OMASEA	SEAN M OMALLEY	5.00		5.00	305.11		305.11	116.46
<b>Total for phase: CO-052</b>		<b>7.00</b>	<b>0.00</b>	<b>7.00</b>	<b>423.99</b>	<b>0.00</b>	<b>423.99</b>	<b>166.74</b>
CO-055	RFI 135 DAMPER CONTROLS							
EHDWAH	EHDOH WAH	6.00		6.00	356.67		356.67	150.87
OMASEA	SEAN M OMALLEY	8.00		8.00	489.70		489.70	187.86
<b>Total for phase: CO-055</b>		<b>14.00</b>	<b>0.00</b>	<b>14.00</b>	<b>846.37</b>	<b>0.00</b>	<b>846.37</b>	<b>338.73</b>
CO-061	REWORK MAU 501 11							
OMASEA	SEAN M OMALLEY	3.00		3.00	183.64		183.64	70.45
<b>Total for phase: CO-061</b>		<b>3.00</b>	<b>0.00</b>	<b>3.00</b>	<b>183.64</b>	<b>0.00</b>	<b>183.64</b>	<b>70.45</b>
<b>Total for job: 17010</b>		<b>90.00</b>	<b>0.00</b>	<b>90.00</b>	<b>5,449.61</b>	<b>0.00</b>	<b>5,449.61</b>	<b>2,208.26</b>
<b>Report totals:</b>		<b>90.00</b>	<b>0.00</b>	<b>90.00</b>	<b>5,449.61</b>	<b>0.00</b>	<b>5,449.61</b>	<b>2,208.26</b>



4216 E. MAIN AVE  
SPOKANE WA 99202-4743  
509-328-1020 Fax 509-328-2107

# INVOICE

INVOICE NUMBER	INVOICE DATE	SHIP DATE	CUSTOMER NUM
S9113548.001	02/14/19	02/14/19	118062
PLEASE REMIT PAYMENT TO:			
NORTH COAST ELECTRIC COMPANY PO BOX 34399 SEATTLE WA 98124-1399			

WCD 52

MOUNTAIN STATES EL CONTR, INC.  
PO BOX 4325  
SPOKANE WA 99220-0325

**SHIP TO:**

MOUNTAIN STATES / COUER D ALENE WTP  
DELIVER TO SHOP SPOKANE  
1220 E. 1ST AVE.  
SPOKANE WA 99202-2106

ORDER DATE	ORDERED BY	CUSTOMER PO NO.	SHIP VIA	WRITER	BRANCH
01/24/19	DAVE P.	17-010 CDA WWTP	330 HOT TRUCK	Vance Draney	330
LINE	ITEM DESCRIPTION	QTY ORDERED	QTY SHIPPED	NET PRICE	EXTENSION
1	SIEM 14CUB32BA STARTER,FVNR SZ0.0.75-3.4AMPS,N1,120/240 2-STOCK MISSISSIPPI 2-WEEKS TO SHIP B.O.'S	3	3	269.960E	809.8
<p>17-010 4050</p> <p>RFI 123</p>					

Invoice is due by 03/25/19.



<b>Subtotal</b>	809.8
<b>S&amp;H Charges</b>	
<b>Sales Tax</b>	0.0
<b>Amount Due</b>	809.8

All charges are in US Dollars

All sales are conditioned upon purchaser's agreement to North Coast Electric Company's Standard Terms and Conditions Applying to All Sales, set out in Form NC055 available at <https://www.northcoastelectric.com/termsandconditions> or upon request.









**PLATT**

platt.com

REMIT TO:  
P.O. Box 418759  
Boston, MA 02241-8759
 INVOICE # 0619685  
 INVOICE DATE 3/07/19  
 051 Cour de l'Alene  
 (208) 664-2178 mgr51@platt.com

DATE ORDERED	DATE SHIPPED	SHIPPED VIA	BILL OF LADING	CUSTOMER PO#
3/06/19	3/06/19	Pickup		CHANGE 60

**SOLD TO**
 Mountain States Electrical Con  
 Box 4325  
 Spokane, WA 99202
**SHIP TO**

Customer Pickup

WCO 52

ORDERED BY: PETER

PAGE 1

CUSTOMER ACCT#	JOB NAME	JOB#	SALES	PLATT SALESPERSON					
127205	17-010		A05 SPOKANE						
QTY	SHIPPED	BACK ORD	EDP #/DESCRIPTION	UNIT PRICE	UNT	DISC %	TOTAL	TAX	TERM
1	1	0	RAC 5323-0 1G 1/2 NH 0404465	725.7500	C		7.26	Y	.0
2	2	0	RAC 5173-0 1G MP BLANK CVR 0295589	89.9600	C		1.80	Y	.0
4	4	0	APP RB75-50 NDC BUSH STL 3/4T 0003270	84.6900	C		3.39	Y	.0
Full phone support 7 days/week 9a - 9p PT 9a - 9p MT Every single day Pay Online / Invoices & Statements 24/7 www.platt.com									
17-010- c/o 50 RFI 123									
SUB TOTAL				12.45			SALES TAX	\$	.75
OTHER CHARGES							INVOICE TOTAL	\$	13.20
<small>           PLATT is a registered provider of electrical and electronic products and services. All products are sold as-is. No warranty is provided. PLATT is not responsible for any damage or loss of data or equipment caused by the use of any of our products. PLATT is not responsible for any damage or loss of data or equipment caused by the use of any of our products. PLATT is not responsible for any damage or loss of data or equipment caused by the use of any of our products. PLATT is not responsible for any damage or loss of data or equipment caused by the use of any of our products.         </small>									
MAIL REMITTANCE TO: P.O. BOX 418759 - BOSTON, MA 02241-8759 (503) 641-6121									

Material Safety Data Sheets Available Upon Written Request Minimum Restocking Charge on Accepted Returns

OVER 100 BRANCHES THROUGHOUT THE WEST









**CONTROLFREEK INC**PO Box 142192  
SPOKANE VALLEY, WA 99214**INVOICE**

DATE	INVOICE #
3/20/2019	3534

PHONE 509.290.6500

FAX 866.381.3007

*WCD52*

BILL TO  
MOUNTAIN STATES ELECTRIC INC  
PO Box 4325  
SPOKANE, WA 99220

MANDIE@CONTROLFREEK.COM

WWW.CONTROLFREEK.COM

PHYSICAL LOCATION:  
11616 E MONTOMERY DR, STE 4  
SPOKANE VALLEY, WA 99206

PROUDLY MADE  
IN THE  
UNITED STATES OF AMERICA  
...2017 MARKED 10 YEARS IN BUSINESS...  
THANK YOU!

P.O. No.	TERMS
17-010 CDA WWTP	NET 30

DESCRIPTION	AMOUNT
CDA WWTP CHANGE ORDER - WCD-051 (1) RELAY  <i>17-010 - CO 51</i> <i>RFI 126</i>	280.00
ALL WORK IS COMPLETE!	<b>TOTAL</b> \$280.00

FEDERAL ID 20-8169435

**170208 C...**

# CONTROLFREEK INC

PO Box 142192  
SPOKANE VALLEY, WA 99214

WCD 52

# INVOICE

DATE	INVOICE #
2/26/2019	3493

PHONE 509.290.6500  
FAX 866.381.3007

MANDIE@CONTROLFREEK.COM

WWW.CONTROLFREEK.COM

BILL TO  
MOUNTAIN STATES ELECTRIC INC  
PO Box 4325  
SPOKANE, WA 99220

PHYSICAL LOCATION:  
11616 E MONTOMERY DR, STE 4  
SPOKANE VALLEY, WA 99206

PROUDLY MADE  
IN THE  
UNITED STATES OF AMERICA

...2017 MARKED 10 YEARS IN BUSINESS...  
THANK YOU!

P.O. No.	TERMS
17-010 CDA WWTP	NET 30

DESCRIPTION	AMOUNT
CDA WWTP	<del>690.00</del>
CHANGE ORDER #34-56	
PE-501-61 PRESSURE GAUGE AND SEAL	
CDA WWTP	980.00
CHANGE ORDER - RFI-135	
DAMPER CONTROL RELAY PANEL	

CO 55

RFI 135

# 980.00

DUPLICATE COPY  
emailed 3/1/2019

ALL WORK IS COMPLETE!

TOTAL \$1,670.00

WCD 053

RSS WSS SAMPLING EQUIPMENT



August 5, 2019

Apollo, Inc.  
1133 West Columbia Drive  
Kennewick, WA 99336

Attn: Amy Jenne

Re: Coeur d'Alene Tertiary Treatment Phase 2 project  
WCD 053 – RSS WSS Sampling Equipment  
Engineer's Decision

Amy,

We have reviewed your cost proposal for WCD 053 – RSS WSS Sampling Equipment. We have found your submitted cost proposal to be acceptable.

A total cost of \$3,321.87 and a total of 0 calendar days will be included in the forthcoming final Change Order.

Sincerely,  
HDR Engineering, Inc.

A handwritten signature in blue ink, appearing to read 'Todd Jensen'.

Todd Jensen, PE, CCM  
*Construction Manager*

cc: Mike Anderson – City of Coeur d'Alene Wastewater Department  
Rickey Schultz – HDR  
Mike Soucie – HDR  
Mary Scalise – HDR



**/// BUILDING PEOPLE WHO BUILD GREAT THINGS**

**Work Change Directive**  
**Project: City of Coeur d'Alene Tertiary Treatment Phase 2**  
**Apollo Inc.**

**WCD No:** 53

**Date:** 06/25/19

Description	Labor	Mat	Equip.	Subcont. Total	Supp Total	Total
RSS WSS Sampling Equipment	\$ 1,729.53	\$ 1,461.21	\$ -	\$ -	\$ 90.12	\$ 3,280.86
<b>SUBTOTAL COST &gt;</b>						<b>\$ 3,280.86</b>
Insurance Premium .5% - Changed Work >						\$ 16.40
Bond Premium .75% - Changed Work >						\$ 24.61
<b>TOTAL LUMP SUM COST &gt;</b>						<b>\$ 3,321.87</b>



Work Change Directive  
 Project: City of Coeur d'Alene Tertiary Treatment Phase 2  
 Apollo Inc.

WCD No: 53  
 Item No: 1  
 Date: 6/25/19

Item Description: RSS WSS Sampling Equipment

Description	Qty	U of M	Rate	Labor	Unit	Rate	Mat	Unit	Rate	Equip.	Subcont. Total	Total
<b>APOLLO - PROJECT SUPERVISION COSTS</b>												
Project Manager	2.0	HR	\$ 90.00	\$ 180.00								\$ 180.00
Project Superintendent	0.0	HR	\$ 79.56	\$ -								\$ -
Mechanical Superintendent	4.0	HR	\$ 68.08	\$ 272.32								\$ 272.32
<b>APOLLO - CRAFT LABOR COSTS</b>												
<b>Carpenters</b>												
Foreman		HR	\$ 43.52	\$ -								\$ -
Carpenter	2.0	HR	\$ 38.37	\$ 76.74								\$ 76.74
<b>Laborers</b>												
Pipelayer		HR	\$ 34.36	\$ -								\$ -
<b>Pipefitter</b>												
Pipefitter	16.0	HR	\$ 60.93	\$ 974.88								\$ 974.88
<b>APOLLO - MATERIAL COSTS</b>												
HDF	1.0				LS	\$ 348.35	\$ 348.35					\$ 348.35
Home Depot	1.0				LS	\$ 541.69	\$ 541.69					\$ 541.69
Harrington	1.0				LS	\$ 230.58	\$ 230.58					\$ 230.58
Unistrut & Clamps	1.0				LS	\$ 150.00	\$ 150.00					\$ 150.00
Apollo - Subtotal Direct Costs >				\$ 1,503.94			\$ 1,270.62			\$ -		\$ 2,774.56
Markup on Self-Performed Labor, Mat'ls & Equipment >	15.0%			\$ 225.59			\$ 190.59			\$ -		\$ 416.18
<b>SUPPLEMENTAL COSTS</b>												
Special Consultants											\$ -	\$ -
Subsistence for Project Supervision	4.0				HR	\$ 11.25	\$ 45.00					\$ 45.00
Temporary Facilities at the Site					LS		\$ -					\$ -
Small Tools	1.0				LS	\$ 45.12	\$ 45.12					\$ 45.12
Subtotal Supplementary Costs >							\$ 90.12				\$ -	\$ 90.12
Markup on Supplementary Costs >	0.0											

Contractor - Total Direct Costs w/Markup >	\$ 3,280.86
Insurance Premium .5% - Changed Work >	\$ 16.40
Bond Premium .75% - Changed Work >	\$ 24.61
<b>TOTAL LUMP SUM COST &gt;</b>	<b>\$ 3,321.87</b>



...Building People Who Build Great Things

## Daily Report of Force Account Worked

Contract Number	Date	Item Number	Item Name
	5.22.19		WCD # 53
Prime Contractor		Subcontractor / Lower Tier Subcontractor	
Line / Station	Group	Basis of Material Acceptance	RAMS Number
Description of Work Performed			
Install RSS / WSS SAMPLING equipment			

Time Worked Record							
	Workers and/or Equipment Working	Occupation of Workers or Equipment Size	Hours Worked		Reg. Rate	O.T. Rate	Amount
			Reg.	O.T.			
1	Rick Grnys	Pipe fitter	14				
2	Hector Paetz	Carp	2				
3							
4	Home Depot						
5	SAMPLE SINK						
6	MISC. HARDWARE.						
7							
8	HARRINGTON PLASTICS.						
9	2" PVC						
10	1" PVC						
11							
12	HD FOWLER						
13	(2) 1" SST ball valves						
14	(1) 8" x 1" saddle tap.						
15	(1) 4" x 1" saddle tap.						
16							
17	EDGE CON. SUPPLY						
18	MISC. UNISTRUT						
19	1" pipe clamps						
20	2" pipe clamps						
Calculated By		Date	Checked By		Date	Total	

Ledger Entry Number	Entered By	Date	Entry Verified	Date
---------------------	------------	------	----------------	------

Inspector's Signature	Contractor's Representative Signature	Title
-----------------------	---------------------------------------	-------



# H.D. FOWLER COMPANY

REMIT: PO Box 84368, Seattle, WA 98124

### Corporate Office

3633 136th Pl SE, Ste 100, Bellevue, WA 98006  
PO Box 160, Bellevue, WA 98009-0160  
Phone 425-654-8800 \* Fax 425-641-8885

### Pasco Branch

1336 Dietrich Rd  
Pasco, WA 99301  
(509) 545-0255 Fax (509) 545-0299

Invoice Number **14658723**

PSDS # 015290

<b>To:</b> APOLLO INC Attn: Accounts Payable PO Box 7305 KENNEWICK WA 99336-0617	<b>Ship to:</b> 915 HUBBARD AVE COEUR D'ALENE ID 83814	
	<b>Order#</b> O5686314	<b>Inv Date:</b> 10/10/17

<b>Terms:</b> 10P+30 <b>FOB:</b> JOBSITE	<b>Due:</b> 12/10/17 <b>Ship Via:</b> VENDOR'S CHOICE	<b>PO/JOB:</b> SUPPORTS P162 TERTIARY TREATMENT PHASE
---	--	--

Line	Qty Ship'd	Qty BO'd	UoM	Part # Description	Unit Price	Extended Price	T X
1	5		EA	8" C9208 SADDLE CLAMP 8.63 SS H.D.G. AIS	165.34	826.70	Y
2	4		EA	8" C9208 SADDLE CLAMP FOR DI H.D.G. AIS	156.50	626.00	Y
3	6		EA	6" C9206 SADDLE CLAMP FOR DI H.D.G. AIS	154.33	925.98	Y
7	2		EA	3" C9203 SADDLE CLAMP FOR DI 316 SS AIS	374.55	749.10	Y
8	2		EA	6" S8906 FLANGED PIPE SUPPORT 316 SS AIS	293.06	586.12	Y
9	4		EA	6" C9206 SADDLE CLAMP FOR DI 316 SS AIS	429.14	1,716.56	Y
10	4	2	EA	6" S8906 FLANGED PIPE SUPPORT 316 SS AIS	293.06	1,172.24	Y
11	2		EA	4" C9204 SADDLE CLAMP FOR DI 316 SS AIS	406.94	813.88	Y
17	6		EA	16" STANDON C9216 FOR 16.00 O.D. HOT DIP GALVANIZE D	345.59	2,073.54	Y

**\*\* New Remittance Address \*\*** EFT Routing: 121000248  
 PO Box 84368, Seattle, WA 98124-5668 EFT Bank No: 418 545 3362

Sub total 9,490.12  
 Freight  
 Tax 569.41  
**Grand Total 10,059.53**

TONY



REMIT: PO Box 84368, Seattle, WA 98124

**Invoice Number** **I5152817**

HAWH  
# 015290

**Corporate Office**  
3633 136th Pl SE, Ste 100, Bellevue, WA 98006  
PO Box 160, Bellevue, WA 98009-0160  
Phone 425-654-8800 \* Fax 425-641-8885

**Hayden Branch**  
1841 W Hayden Ave  
Hayden, ID 83835  
(208) 772-9060 Fax (208) 772-9478

<b>To:</b> APOLLO INC Attn: Accounts Payable PO Box 7305 KENNEWICK WA 99336-0617	<b>Ship to:</b> HD Fowler Company - Hayden 1841 W Hayden Ave Hayden ID 83835	
	<b>Order#</b> O6294064	<b>Inv Date:</b> 05/21/19

<b>Terms:</b> 10P+30 <b>FOB:</b> H. D. FOWLER	<b>Due:</b> 07/10/19 <b>Ship Via:</b> WILL CALL	<b>PO/JOB:</b> SS BV P162 TERTIARY TREATMENT PHASE
--	--	---

Line	Qty Ship'd	Qty BO'd	UoM	Part # Description	Unit Price	Extended Price	T X
1	3		EA	1" 316 STAINLESS STEEL BALL VALVE STD PORT THREADED	21.53	64.59	
2	2		EA	1" SCH 80 PVC MALE ADAPTER SXT	4.02	8.04	
3	2		EA	1" SCH 80 PVC COUPLING SXS	1.94	3.88	
4	1		EA	1" ROMAC 702 GALV COMPRESSION COUPLING WITH NBR GASKET	26.85	26.85	
						Sub total	103.36
						Freight	
						Tax	
						<b>Grand Total</b>	<b>103.36</b>

**\*\* New Remittance Address \*\***  
PO Box 84368, Seattle, WA 98124-5668

EFT Routing: 121000248  
EFT Bank No: 418 545 3362

tony d





# H.D. FOWLER COMPANY

REMIT: PO Box 84368, Seattle, WA 98124

Invoice Number **I5080401**

PSDS # 015290

### Corporate Office

3633 136th Pl SE, Ste 100, Bellevue, WA 98006  
PO Box 160, Bellevue, WA 98009-0160  
Phone 425-654-8800 \* Fax 425-641-8885

### Pasco Branch

1336 Dietrich Rd  
Pasco, WA 99301  
(509) 545-0255 Fax (509) 545-0299

<b>To:</b> APOLLO INC Attn: Accounts Payable PO Box 7305 KENNEWICK WA 99336-0617	<b>Ship to:</b> 915 HUBBARD AVE COEUR D'ALENE ID 83814	
	<b>Order#</b> O6200216	<b>Inv Date:</b> 03/07/19

<b>Terms:</b> 10P+30 <b>FOB:</b> JOBSITE	<b>Due:</b> 05/10/19 <b>Ship Via:</b> UPS - STANDARD	<b>PO/JOB:</b> SADDLE P162 TERTIARY TREATMENT PHASE
---	---	--

Line	Qty Ship'd	Qty BO'd	UoM	Part # Description	Unit Price	Extended Price	T X
1	2		EA	202S-4.05 X 1/2" IP SADDLE + STRAPS	1 EA 79.65	159.30	

\*\* New Remittance Address \*\*

PO Box 84368, Seattle, WA 98124-5668

EFT Routing: 121000248

EFT Bank No: 418 545 3362

tony d

Serving the Pacific Northwest since 1911  
www.hdfowler.com

Sub total	159.30
Freight	
Tax	
<b>Grand Total</b>	<b>159.30</b>





PO BOX 5128  
Chino, CA 91708-5128

# INVOICE

<b>INVOICE NUMBER</b>	02194564
<b>INVOICE DATE</b>	04/25/19
<b>PLEASE REMIT TO:</b>	
PO BOX 5128 Chino, CA 91708-5128 TEL 909-597-8641 FAX 909-597-0741	

**BILL TO:**

385 1 SP 0.500 E0365 10674 D4759387052 S2 P6344426 0003:0005



APOLLO INCORPORATED  
PO BOX 7305  
KENNEWICK WA 99336-0617

**SHIP TO :**

TONY  
ALOLLO INC JOBSITE  
CITY OF COEUR D'ALENE TERTIARY  
TREATMENT PH 2 IMPR  
765 W HUBBARD AVE

CUSTOMER NUMBER	TERRITORY	FRIEGHT TERMS		F.O.B	ORDER NUMBER	JOB NUMBER
030452	212	PREPAID FFA		SHIPPING POINT	02191000	
INVOICE NUMBER	INVOICE DATE	TERMS	CUSTOMER PO NUMBER	ORDER DATE	SHIP DATE	SHIP VIA
02194564	04/25/19	NET 60	P162 CHEM SYS	04/23/19	04/24/19	CUSTOMER PICK UP

PRODUCT NUMBER/ DESCRIPTION	WHSE	ORDER QTY	SHIP QTY	BALANCE DUE	LIST PRICE	DISC	UNIT PRICE	AMOUNT
800-010 1" PIPE P/E PVC SCH80	021	100	100				0.63	63.00

WARRANTY DISCLAIMER: Harrington Industrial Plastics LLC (Harrington) makes no express or implied warranties, including those of merchantability or fitness for a particular purpose, with regard to goods and products not manufactured by Harrington. With regard to products manufactured by Harrington, Harrington warrants only that such products will be free of defects in material and workmanship for a period of one year from shipment date. Harrington makes no other express or implied warranties with respect to such goods. Any description of goods on the face of this document is for the sole purpose of identifying them and does not constitute a warranty of any kind.  
ENTIRE AGREEMENT: The terms and conditions set forth in this invoice constitute the entire agreement between purchaser and Harrington and supersede any prior or contemporaneous representations or agreements, written or oral. NO additional oral or written terms, including any attempts by purchaser to alter or modify this invoice or any other document relating to this sale, shall become a part of this agreement without the express written consent of Harrington.

<b>SUBTOTAL</b>	63.00
<b>SALES TAX</b>	0.00
<b>FREIGHT &amp; HANDLING</b>	0.00
<b>TOTAL DUE</b>	63.00

Invoice Number	Invoice Date	Terms	NET 60
02193769	02/27/19	F.O.B.	SHIPPING POINT
Order Number	Customer PO Number		
02190260	PT62 CHEM SYS		
Order Date	Ship Date	Ship Via	
02/19/19	02/26/19	CUSTOMER PICK UP	



PLEASE REMIT TO:  
Harrington Industrial Plastics LLC  
PO BOX 5128  
14480 Yorba Ave  
Chino, CA 91708-5128  
TEL 909-597-8641  
FAX 909-597-0741

APOLLO, INC.

MAR 05 2019

RECEIVED

INVOICE

000000

Bill to: APOLLO INCORPORATED  
P O BOX 7305  
KENNEWICK, WA 99336

Ship to: TONY  
ALOLLO INC JOBSITE  
CITY OF COEUR D'ALENE TERTIARY  
TREATMENT PH 2 IMPR  
765 W HUBBARD AVE  
COEUR D'ALENE, ID 83814

Customer No.	Territory	Freight Terms	Page #	Job No.
030452	212	PREPAID FFA	1	

Product No./Description	WHSE	Order Quantity	Ship Quantity	Balance Due	List Price	Disc	Unit Price	Amount
806-020S 2" 90 ELBOW S PVC SCH80	021	17	17	0			2.34	39.78
817-020S 2" 45 ELBOW S PVC SCH80	021	12	12	0			5.52	66.24
8097-020S 2" UNION S PVC EPDM SCH80 2000 IND	021	2	2	0			11.25	22.50
P70QC PRIMER QT CLR FOR PVC CPVC LOW VOC MC/AC	021	1	1	0			18.38	18.38
711QG SOLVENT CEMENT PVC QT GRY LOW VOC HEAVY BODIED MED SET MC/AC	021	1	1	0			20.68	20.68

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CONTINUED

Subtotal	CONTINUED
Tax	CONTINUED
Freight & Handling	CONTINUED
Total Due	CONTINUED

Invoice Number	Invoice Date	Terms	NET 60
02193769	02/27/19	F.O.B.	SHIPPING POINT
Order Number	Customer PO Number		
02190260	P162 CREM SYS		
Order Date	Ship Date	Ship Via	
02/19/19	02/26/19	CUSTOMER PICK UP	



PLEASE REMIT TO:  
Harrington Industrial Plastics LLC  
PO BOX 5128  
14480 Yorba Ave  
Chino, CA 91708-5128  
TEL 909-597-8641  
FAX 909-597-0741

000000

# INVOICE

Bill to: APOLLO INCORPORATED  
P O BOX 7305  
KENNEWICK, WA 99336

Ship to: TONY  
ALOLLO INC JOBSITE  
CITY OF COEUR D'ALENE TERTIARY  
TREATMENT PH 2 IMPR  
765 W HUBBARD AVE  
COEUR D'ALENE, ID 83814

Customer No.	Territory	Freight Terms	Page #	Job No.
030452	212	PREPAID FFA	2	

Product No./Description	WHSE	Order Quantity	Ship Quantity	Balance Due	List Price	Disc	Unit Price	Amount
800-015 1-1/2" PIPE P/E PVC SCH80	021	20	0	20			0.96	0.00
806-015S 1-1/2" 90 ELBOW S PVC SCH80	021	6	0	6			2.05	0.00
817-015S 1-1/2" 45 ELBOW S PVC SCH80	021	6	0	6			4.51	0.00
800-020 2" PIPE P/E PVC SCH80	021	20	0	20			1.36	0.00

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**ENTIRE AGREEMENT:** The terms and conditions set forth in this invoice constitute the entire agreement between purchaser and Harrington and supersede any prior or contemporaneous representations or agreements, written or oral. No additional oral or written terms, including any attempts by purchaser to alter or modify this invoice or any other document relating to this sale, shall become a part of this agreement without the express written consent of Harrington.

Subtotal	167.58
Tax	0.00
Freight & Handling	0.00
<b>Total Due</b>	<b>167.58</b>



More saving.  
More doing.™

220 W KATHLEEN AVE CDA, ID (208)676-1441  
CDA'S HOME IMPROVEMENT WAREHOUSE

1803 0001 54419 03/13/19 09:45 AM  
CASHIER SANDRA

671031000293 LAUN. TUB <A>	56.98
#19F DELUXE LAUNDRY SINK WITH LEGS	
037103243515 8IN MB FILE <A>	5.97
NICHOLSON 8" MILL BASTARD CUT FILE	
037103243546 10INMILLFILE <A>	6.97
NICHOLSON 10" MILL BASTARD CUT FILE	
037103296979 10PC FILESET <A>	9.97
HUSKY 10 PC FILE SET	
030699148356 SHELF BRACKET <A>	
SHELF BRACKET HD 18" X 16" WH	18.94
289.47	19.97
841688005063 SCOTTSSPRAYR <A>	
SCOTT'S MULTI USE SPRAYER 2GAL	19.97
043318004889 SIMPLE GRN <A>	
SIMPLE GREEN ALL PURP CLEANER 2.5GAL	6.62
613499020024 INSECTICIDE <A>	
SEVIN BUG KILLER RTU 32OZ	5.68
613499070173 SEVIN 1LB <A>	
SEVIN 5% SHAKER CANNISTER 1LB	

SUBTOTAL	151.07
SALES TAX	9.07
TOTAL	\$160.14
	160.14
	TA

XXXXXXXXXXXX9065 HOME DEPOT  
AUTH CODE 015731/1013946

APOLLO INC  
BURKE KEVIN

DEB VEDA MENDED STATEMENT

~~FIVE~~ sample parts  
SCBZ



More saving.  
More doing.™

220 W KATHLEEN AVE CDA, ID (208)676-1411  
CDA'S HOME IMPROVEMENT WAREHOUSE

1803 00006 03258 03/05/19 12:42 PM  
CASHIER LEVI

831680000406 40# ICE MELT <A>	
40LB ICE MELT BLEND BAG	43.88
4910.97	
887480016895 BRASS FTG <A>	
3/4X1/2BRASS ADPTER FGMX FIP SWIV LF	105.36
1298.78	
887480017595 BRASS FTG <A>	4.93
3/4 X 3/4 G.H ADAPTER MH X FIP	
887480017991 BRASS FTG <A>	
3/4X1/2 BRASS ADAPTER MH X MIP LF	28.44
694.74	
887480025392 NIPPLE <A>	
1/2X1 1/2 BRASS PIPE NIPPLE MIP LF	88.74
1894.93	
887480026795 1/2XCBRPPNPL <A>	
1/2XCLOSE BRASS PIPE NIPPLE MIP LF	18.56
494.64	
887480025293 3/4X2BRPPNPL <A>	8.21
3/4X2 BRASS PIPE NIPPLE MIP LF	
887480020793 1X3/4BRPP6SH <A>	8.96
1X3/4RED BRSS HEX BUSHING MIPX FIP LF	
887480017090 BRASS FTG <A>	4.93
3/4X3/4X1/2BRASS ADPT MGHMIPXTAP LF	
078627588812 25 FLEXRITE <A>	
5/8"X25' ELEMENT FLEXRITE HOSE	47.94
3815.98	

SUBTOTAL	359.95
SALES TAX	21.60
TOTAL	4381.55

XXXXXXXXXXXX9065 HOME DEPOT  
AUTH CODE 005898/9061649

381.55  
TA

APOLLO INC



Date of Issuance: 03/27/19      Effective Date: 03/27/19  
 Owner: City of Coeur d'Alene, ID      Owner's Contract No.:  
 Contractor: Apollo      Contractor's Project No.:  
 Engineer: HDR      Engineer's Project No.: 10026247  
 Project: CDA Tertiary Phase 2 Improvements      Contract Name:

**Contractor is directed to proceed promptly with the following change(s):**

Description:

Provide a Sampling Sink in the Basement of SCB2

- 1) Saddle Tap the RSS line as shown in the attached photo.
- 2) Tap the WSS line as shown in the attached photo and move the existing sampling valve to the new location, plugging the old tap.
- 3) The sink shall be installed on the west wall and the drain piping shall follow the wall counter-clockwise and discharge in the existing trench drain.
- 4) The water source used for rinsing shall come from the existing 3W line by way of a tee, piping to the sink, and a ball valve.
- 5) Both sampling ports and 3W source will have short pieces of hose attached for ease of sampling and cleaning.

Attachments:

- 1) Photo with noted tap locations, water source, and approximate sink location and drainage.

**Purpose for Work Change Directive:**

Directive to proceed promptly with the Work described herein, prior to agreeing to changes on Contract Price and Contract Time, is issued due to:

- Non-agreement on pricing of proposed change.  
 Necessity to proceed for schedule or other Project reasons.

**Estimated Change in Contract Price and Contract Times (non-binding, preliminary):**

Contract Price \$ TBD      increase  
 Contract Time 0      days

**Basis of estimated change in Contract Price:**

- Lump Sum       Unit Price  
 Cost of the Work per       Other

**RECOMMENDED:**

**AUTHORIZED BY:**

**RECEIVED:**

By:   
 \_\_\_\_\_  
 Engineer (Authorized Signature)

By:   
 \_\_\_\_\_  
 Owner (Authorized Signature)

By:   
 \_\_\_\_\_  
 Contractor (Authorized Signature)

Title: Project Manager

Title: *CAP. PROGRAM MGR*

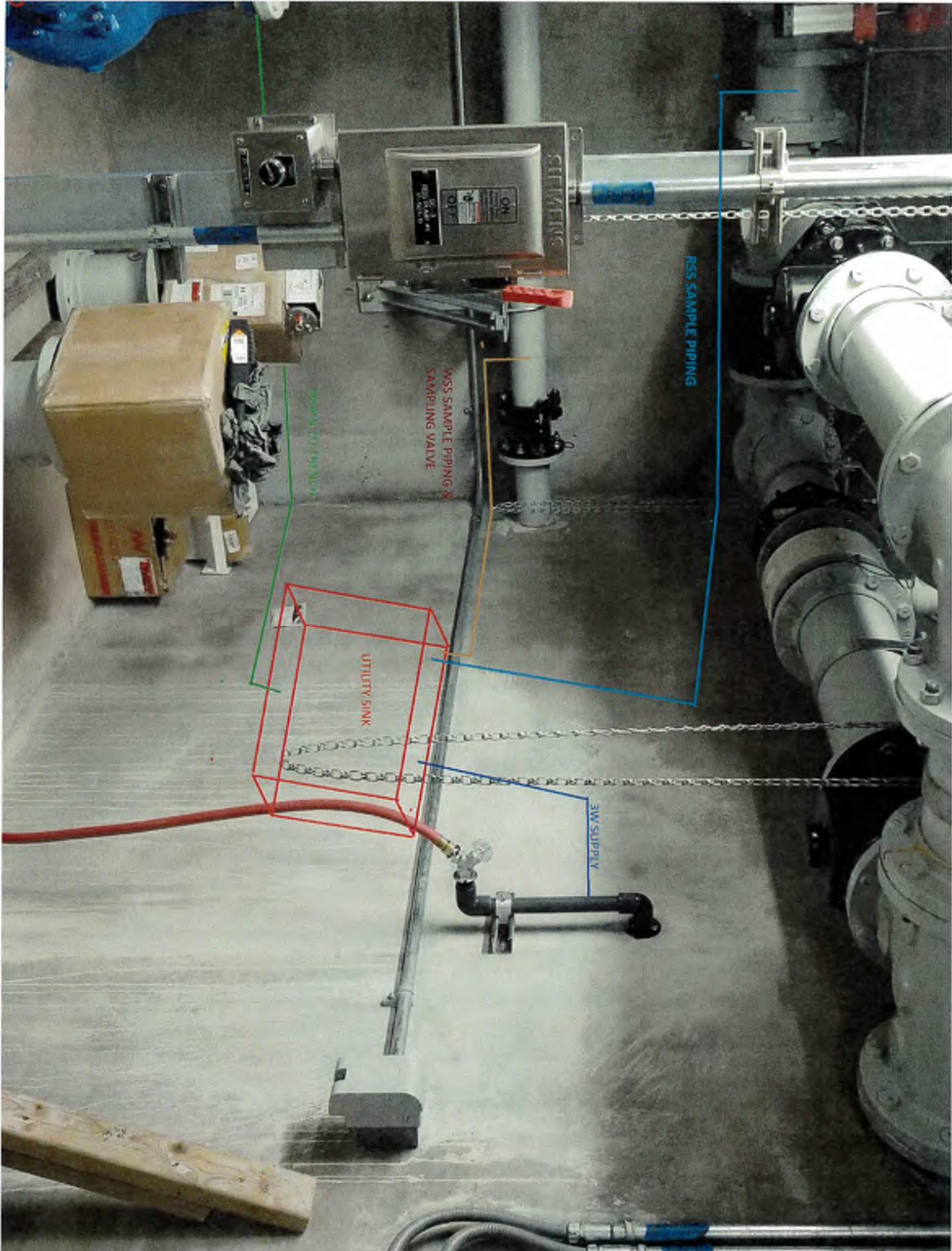
Title: *VP*

Date: 03/27/19

Date: *3-27-2019*

Date: *4/8/19*





RSS SAMPLE PIPING

WSS SAMPLE PIPING & SAMPLING VALVE

UTILITY SINK

SW SUPPLY

OPEN TO ATMOSPHERE

WCD 054

PSB & LCP 4352



August 12, 2019

Apollo, Inc.  
1133 West Columbia Drive  
Kennewick, WA 99336

Attn: Amy Jenne

Re: Coeur d'Alene Tertiary Treatment Phase 2 Project  
WCD 054 – Primary Sludge Building and LCP-4352 Modifications  
Engineer's Decision

Amy,

We have reviewed your cost proposal for WCD 054 – Primary Sludge Building and LCP-4352 Modifications. We have found your submitted cost proposal to be acceptable.

A total cost of \$21,247.26 and a total of 30 calendar days (May 1, 2019 to May 31, 2019) adjusting the Substantial Completion date to May 31, 2019 and 48 calendar days (June 1, 2019 to July 19, 2019) adjusting the Final Completion Date to July 19, 2019 will be included in the forthcoming final Change Order.

Sincerely,  
HDR Engineering, Inc.

A handwritten signature in blue ink, appearing to read 'Todd Jensen'.

Todd Jensen, PE, CCM  
*Construction Manager*

cc: Mike Anderson – City of Coeur d'Alene Wastewater Department  
Rickey Schultz – HDR  
Mike Soucie – HDR  
Mary Scalise – HDR





June 12, 2019

P162-006

Mr. Todd Jensen, PE, CCM  
HDR, Inc.  
1401 E. Trent Avenue, Suite 101  
Spokane, WA 99202-2902

**RE: WCD 54 Primary Sludge Building and LCP-4352 Request for Adjustment in Contract Times for Substantial Completion and Readiness for Final Payment**

Attached is our cost summary for the time and material work included in WCD 54 Primary Sludge Building and LCP-4352. The scope of work included in Work Change Directive (WCD) 54 directly impacted the start-up and commissioning of the Primary Area and specifically Primary Clarifier 3 and thus, the Substantial Completion date set forth in the Agreement Article 4 Contract Times 4.02 A.

The work included in WCD 54 and the Engineer verification were completed on 5/24/19. The Work was substantially completion on Friday 5/31/19. We hereby request the Substantial Completion date set forth in the Agreement be extended to 5/31/19. Further, we request the date for which the Project be ready for final payment as set forth in the Agreement be extended to 7/19/19. These requests are non-compensable requests for time extension.

Thank you in advance for your careful consideration of our request to extend these two Contract Times: Dates. Please feel free to contact me with any questions you may have. I can also make myself available to meet with yourself and the City of Coeur d'Alene.

Sincerely,

Amy Jenne  
Apollo, Inc.  
Vice President

Cc: Mr. Jim Remitz, City of Coeur d'Alene





**/// BUILDING PEOPLE WHO BUILD GREAT THINGS**

**Work Change Directive**  
 Project: City of Coeur d'Alene Tertiary Treatment Phase 2  
 Apollo Inc.

WCD No: 54

Date: 06/12/19

Description	Labor	Mat	Equip.	Subcont. Total	Supp Total	Total
PSB & LCP 4352	\$ 414.00	\$ -	\$ -	\$ 20,570.95	\$ -	\$ 20,984.95

**SUBTOTAL COST > \$ 20,984.95**

Insurance Premium .5% - Changed Work > \$ 104.92

Bond Premium .75% - Changed Work > \$ 157.39

**TOTAL LUMP SUM COST > \$ 21,247.26**

Work Change Directive  
 Project: City of Coeur d'Alene Tertiary Treatment Phase 2  
 Apollo Inc.

WCD No: 54  
 Item No: 1  
 Date: 6/12/19

Item Description: PSB & LCP 4352

Description	Qty	U of M	Rate	Labor	Unit	Rate	Mat	Unit	Rate	Equip.	Subcont. Total	Total			
<b>APOLLO - PROJECT SUPERVISION COSTS</b>															
Project Manager	4.0	HR	\$ 90.00	\$ 360.00							\$	360.00			
Project Superintendent	0.0	HR	\$ 79.56	\$ -							\$	-			
<b>SUBCONTRACTOR COSTS</b>															
MSE	1										\$	19,591.38			
											\$	-			
Subtotal Subcontractors Costs >											\$	19,591.38	\$	19,591.38	
Markup on Subcontractor Costs >											5.0%	\$	979.57	\$	979.57
<b>SUPPLEMENTAL COSTS</b>															
Special Consultants											\$	-			
Subsistence for Project Supervision					HR	\$ 11.25	\$ -				\$	-			
Temporary Facilities at the Site					LS	\$ -	\$ -				\$	-			
Small Tools	0.0				LS	\$ -	\$ -				\$	-			
Subtotal Supplementary Costs >											\$	-	\$	-	
Markup on Supplementary Costs >											0.0				

<b>Contractor - Total Direct Costs w/Markup &gt;</b>	<b>\$</b>	<b>20,984.95</b>
Insurance Premium .5% - Changed Work >	\$	104.92
Bond Premium .75% - Changed Work >	\$	157.39
<b>TOTAL LUMP SUM COST &gt;</b>	<b>\$</b>	<b>21,247.26</b>



**TIME and MATERIAL COST**

Request No: 64

Date Of Proposal: 6/11/2019

To: CITY OF CDA - WWTP

Job #: 17-010

Regarding: WCD-54

Job Name: CDA TERITARY TREATMENT PHASE 2

Attention: AMY JENNE

Work To Be Done:

COST IMPACT PER WCD-054

SCADA CHANGES

**LABOR CLASSIFICATION**

	RATES			HOURS			EXTENDED
	STRAIGHT	OVERTIME	DBL TIME	STRAIGHT	OVERTIME	DOUBLE TIME	
FOREMAN	\$ 70.99	\$ 95.14	\$ 119.29	62.00			\$ 4,401.38
JOURNEYMAN	\$ 66.50	\$ 88.47	\$ 110.40	32.00			\$ 2,128.00
APPRENTICE	\$ 41.14	\$ 64.50	\$ 90.55				\$ -
PROJECT MANAGER	\$ 85.00						\$ -
LABOR SUB TOTAL							\$ 6,529.38

**EQUIPMENT**

COST + 15%	RATES				QUANTITY	EXTENDED
	HOUR	DAY	WEEK	MONTH		
TOOL SUB TOTAL						\$ -

**MATERIAL**

COST + 15%	EXTENDED	
MATERIAL SUB TOTAL		\$ -

**SUB-CONTRACTOR**

COST + 5%	EXTENDED	
CONTROL FREEK Base Price	\$ 10,400.00	
CONTROL FREEK Add PLC Modules	\$ 1,140.00	
CONTROL FREEK Add Graceport	\$ 900.00	
SUB-CONTRACTOR SUB TOTAL		\$ 13,062.00

**Total Proposed Change Order price: \$ 19,591.38**

Submitted By: DAVE PERRINS, Project Manager Date: 6/11/2019

Approved By: \_\_\_\_\_ Date: \_\_\_\_\_

Title: \_\_\_\_\_

<b>Report selections:</b>	<b>Job:</b> 17010	<b>Superintendent:</b> ALL	<b>From transaction date:</b> Inception
	<b>Phase:</b> CO064	<b>Estimator:</b> ALL	<b>To transaction date:</b> 06/11/19
	<b>Employee:</b> ALL	<b>Project manager:</b> ALL	
	<b>Job status:</b> Active	<b>Division:</b> ALL	

**MOUNTAIN STATES ELECTRICAL  
Payroll Hours Analysis Report  
Phase Detail**

**Job: 17010 CDA TERTIARY TREATMENT**

Employee Code	Employee Name	Hours			Earnings			Burden Total
		Regular	Overtime	Total	Regular	Overtime	Total	
CO-064	PC-3 SCADA WORK							
DEBJAR	JARED M DEBACA	32.00		32.00	1,902.19		1,902.19	804.59
OMASEA	SEAN M OMALLEY	62.00		62.00	3,818.86		3,818.86	1,479.59
<b>Total for phase: CO-064</b>		<b>94.00</b>	<b>0.00</b>	<b>94.00</b>	<b>5,721.05</b>	<b>0.00</b>	<b>5,721.05</b>	<b>2,284.18</b>
<b>Total for job: 17010</b>		<b>94.00</b>	<b>0.00</b>	<b>94.00</b>	<b>5,721.05</b>	<b>0.00</b>	<b>5,721.05</b>	<b>2,284.18</b>
<b>Report totals:</b>		<b>94.00</b>	<b>0.00</b>	<b>94.00</b>	<b>5,721.05</b>	<b>0.00</b>	<b>5,721.05</b>	<b>2,284.18</b>

# CONTROLFREEK INC

PO Box 142192  
SPOKANE VALLEY, WA 99214

# INVOICE

DATE	INVOICE #
5/2/2019	3560

PHONE 509.290.6500

FAX 866.381.3007

BILL TO  
MOUNTAIN STATES ELECTRIC INC  
PO Box 4325  
SPOKANE, WA 99220

MANDIE@CONTROLFREEK.COM

WWW.CONTROLFREEK.COM

PHYSICAL LOCATION:  
11616 E MONTOMERY DR, STE 4  
SPOKANE VALLEY, WA 99206

**PROUDLY MADE  
IN THE  
UNITED STATES OF AMERICA**

*...2017 MARKED 10 YEARS IN BUSINESS...  
THANK YOU!*

P.O. No.	TERMS
17-010 CDA WWTP	NET 30

DESCRIPTION	AMOUNT
CDA WWTP CHANGE ORDER - WCD-054 GAS SENSOR	10,400.00

ALL WORK IS COMPLETE!

**TOTAL**

\$10,400.00

FEDERAL ID 20-8169435

**170208 C...**



# CONTROLFREEK INC

PO Box 142192  
SPOKANE VALLEY, WA 99214

# INVOICE

DATE	INVOICE #
6/7/2019	3609

PHONE 509.290.6500

FAX 866.381.3007

BILL TO  
MOUNTAIN STATES ELECTRIC INC  
PO Box 4325  
SPOKANE, WA 99220

MANDIE@CONTROLFREEK.COM

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PHYSICAL LOCATION:  
11616 E MONTOMERY DR, STE 4  
SPOKANE VALLEY, WA 99206

**PROUDLY MADE  
IN THE  
UNITED STATES OF AMERICA**

*...2017 MARKED 10 YEARS IN BUSINESS...  
THANK YOU!*

P.O. No.	TERMS
17-010 CDA WWTP	NET 30

DESCRIPTION	AMOUNT
PROGRESS BILLING CDA WWTP CHANGE ORDER - GAS SENSOR AIT-2044 CDA WWTP	4,780.00
CHANGE ORDER WCD-054 D.O. PLC MODULE ADDITION TO THE LCP MODIFICATIONS CDA WWTP	1,140.00
CHANGE ORDER GRACEPORT, PANEL LIGHT AND SHELF ADDITIONS TO THE LCP MODIFICATIONS	900.00
<b>PROGRESS BILLING</b>	<b>TOTAL</b>
	\$6,820.00

FEDERAL ID 20-8169435

**170208 C...**

Date of Issuance: 03/14/19                      Effective Date: 03/14/19  
 Owner: City of Coeur d'Alene, ID                      Owner's Contract No.:  
 Contractor: Apollo                      Contractor's Project No.:  
 Engineer: HDR                      Engineer's Project No.: 10026247  
 Project: CDA Tertiary Phase 2 Improvements                      Contract Name:

**Contractor is directed to proceed promptly with the following change(s):**

Description:

The work, as described herein, shall be used for the Primary Sludge Building (PSB) and LCP-4352 modifications as not directly identified within the conformed contract documents. This work is to include, but not limited to, the following areas:

- 1) *PSB,*
- 2) *MCC-261,*
- 3) *MCC-4351,*
- 4) *LCP-4352,*
- 5) *Associated equipment to the aforementioned areas.*

The work required in these areas, and equipment referenced, shall include, but not limited to, the following design intent for the retrofit of LCP-4352:

- 1) *Relocation of NTRON Ethernet/Fiber switch and appurtenances.*
- 2) *Installation of DIN rail for use with new PLC rack.*
- 3) *Relocation of existing PLC, power supply, digital input/output and analog input/output modules, currently located in the Administration Building SCADA/Library room, into LCP-4352.*
- 4) *Re-use existing DC power supply and wire/terminate for use with new terminal blocks.*
- 5) *Installation of new wiring for new PLC rack to new terminal blocks.*
- 6) *Removal of unused mechanical equipment and associated wiring no longer required for use with the newly relocated PLC upgrades.*
- 7) *Replacement of old MCC bucket wiring from MCC-261/4351 to LCP-4352.*
- 8) *Remove and return to Owner equipment such as transmitters, relays, switches, fusing, etc., per the IO schedule and retrofit intent, where not being re-used.*
- 9) *Clean up and organize all cable bundles, wireways, and miscellaneous internal components into wireways for use with new equipment.*
- 10) *Remove all LCP-270 internal and external hardware for migration to newly retrofitted equipment.*
- 11) *Install all other appurtenances or equipment required for correct operation of the newly retrofitted PLC and respective hardware.*
- 12) *Termination of field equipment to new terminal blocks in accordance with the attached Commissioning plan/schedule, Attachment #1.*
- 13) *Field testing, troubleshooting, and commissioning of all systems for a fully operational system.*

The following attachments shall identify the intent of work required, and is subject to revisions, dependent on engineering justification for proper working operation of the PSB process area. Said attachments shall be used for installation, testing, and commissioning of the proposed work.

The primary intent of this work is to retrofit the existing LCP-4352 control system, with one (1) newly consolidated and updated PLC, I/O, terminals and OCPD, LCP cleanup and removal of older, unused, or no longer required equipment for the new control methodology.

**Attachments:**

- 1) Primary Panel – Pnl4352 2019.02.27
- 2) IO Config List – Commissioning Approach (1)
- 3) PSB LCP-4352 BOM
- 4) LCP-4352 Nameplate
- 5) LCP-4352 Color Schedule
- 6) PSB LCP-4352 TRQ
- 7) PNL4352 Left Side
- 8) PNL4352 Right Side

**Purpose for Work Change Directive:**

Directive to proceed promptly with the Work described herein, prior to agreeing to changes on Contract Price and Contract Time, is issued due to:

- Non-agreement on pricing of proposed change.  
 Necessity to proceed for schedule or other Project reasons.

**Estimated Change in Contract Price and Contract Times (non-binding, preliminary):**

Contract Price \$ TBD increase  
Contract Time 0 days

**Basis of estimated change in Contract Price:**

- Lump Sum  Unit Price  
 Cost of the Work  Other

**RECOMMENDED:**

**AUTHORIZED BY:**

**RECEIVED:**

By: 

By: 

By: 

Engineer (Authorized Signature)

Owner (Authorized Signature)

Contractor (Authorized Signature)

Title: Project Manager

Title: CAP. PROGRAM MGR.

Title: pm

Date: 03/14/2019

Date: 3-15-2019

Date: 3/15/19

WCD 055

SEALING HOLES IN PC3



August 22, 2019

Apollo, Inc.  
1133 West Columbia Drive  
Kennewick, WA 99336

Attn: Amy Jenne

Re: Coeur d'Alene Tertiary Treatment Phase 2 Project  
WCD 055 – Seal Penetrations in PC3  
Engineer's Decision

Amy,

We have reviewed your cost proposal for WCD 055 – Seal Penetrations in PC3. We have found your submitted cost proposal to be acceptable.

A total cost of \$2,368.01 and a total of 0 calendar days will be included in the forthcoming final Change Order.

Sincerely,  
HDR Engineering, Inc.

A handwritten signature in blue ink, appearing to read 'Todd Jensen'.

Todd Jensen, PE, CCM  
*Construction Manager*

cc: Mike Anderson – City of Coeur d'Alene Wastewater Department  
Rickey Schultz – HDR  
Mike Soucie – HDR  
Mary Scalise – HDR





**/// BUILDING PEOPLE WHO BUILD GREAT THINGS**

**Work Change Directive**  
 Project: City of Coeur d'Alene Tertiary Treatment Phase 2  
 Apollo Inc.

WCD No: 55. Rev2

Date: 08/13/19

Description	Labor	Mat	Equip.	Subcont. Total	Supp Total	Total
Seal Penetrations PC3	\$ 1,472.83	\$ 250.70	\$ 615.25	\$ -	\$ -	\$ 2,338.78
<b>SUBTOTAL COST &gt;</b>						<b>\$ 2,338.78</b>
Insurance Premium .5% - Changed Work >						\$ 11.69
Bond Premium .75% - Changed Work >						\$ 17.54
<b>TOTAL LUMP SUM COST &gt;</b>						<b>\$ 2,368.01</b>

Work Change Directive  
 Project: City of Coeur d'Alene Tertiary Treatment Phase 2  
 Apollo Inc.

WCD No: 55. Rev2  
 Item No: 1  
 Date: 8/13/19

Item Description: Seal Penetrations PC3

Description	Qty	U of M	Rate	Labor	Unit	Rate	Mat	Unit	Rate	Equip.	Subcont. Total	Total
<b>APOLLO - PROJECT SUPERVISION COSTS</b>												
Project Manager	2.0	HR	\$ 90.00	\$ 180.00								\$ 180.00
Project Superintendent	2.0	HR	\$ 79.56	\$ 159.12								\$ 159.12
<b>APOLLO - CRAFT LABOR COSTS</b>												
<b>Sheet Metal</b>												
Foreman	0.0	HR	\$ 44.80	\$ -								\$ -
Carpenter	22.0	HR	\$ 42.80	\$ 941.60								\$ 941.60
<b>APOLLO - OPERATED EQUIPMENT</b>												
<b>APOLLO - OTHER EQUIPMENT COSTS</b>												
Manlift (2ea) & Forklift (1ea)	1.0							DY	\$ 535.00	\$ 535.00		\$ 535.00
										\$ -		\$ -
<b>APOLLO - MATERIAL COSTS</b>												
Screws, rivts, paint	1.0				LS	\$ 218.00	\$ 218.00					\$ 218.00
							\$ -					\$ -
Apollo - Subtotal Direct Costs >				\$ 1,280.72			\$ 218.00			\$ 535.00		\$ 2,033.72
Markup on Self-Performed Labor, Mat's & Equipment >	15.0%			\$ 192.11			\$ 32.70			\$ 80.25		\$ 305.06
<b>SUBCONTRACTOR COSTS</b>												
											\$ -	\$ -
											\$ -	\$ -
Subtotal Subcontractors Costs >											\$ -	\$ -
Markup on Subcontractor Costs >	5.0%										\$ -	\$ -

<b>Contractor - Total Direct Costs w/Markup &gt;</b>	<b>\$ 2,338.78</b>
Insurance Premium .5% - Changed Work >	\$ 11.69
Bond Premium .75% - Changed Work >	\$ 17.54
<b>TOTAL LUMP SUM COST &gt;</b>	<b>\$ 2,368.01</b>

Monday 6 hours on wall sheets (4) men – two man lifts, one forklift

Tuesday – 9 hours on wall sheets (4) men – two man lifts, one forklift

Wednesday – 9 hours on wall sheets (4) men – two man lifts, one forklift

Thursday – 9 hours on wall sheets (4) men – two man lifts, one forklift

Friday – 7 hours wall sheets (2) men – one man lift (460 SJ), one forklift - 7 hours bird blocking (2) men one man lift (460 JP)

Parts/pieces – Home Depot for screws and rivets 57.60, Sherwin Williams paint 159.21

Monday 4 hours bird blocking (2) men one man lift (460JP), (2) men 2 hours wall sheets – one man lift (460 JP), one forklift, (2) men 6 hours wall sheets – one man lift (460 SJ), (1) man 2 hours de mobe

Tuesday 12 man hours de mobe

Total man hours wall sheets – 172

Total man hours bird blocking – 26

Total man lift hours for 460 SJ – 48

Total man lift hours for 460 JP – 48

Total hours for forklift - 48



**INVOICE**  
 SEND ALL PAYMENTS TO:  
 SUNBELT RENTALS, INC.  
 PO BOX 409211  
 ATLANTA, GA 30384-9211

INVOICE NO.	88621722-0001
ACCOUNT NO.	305018
INVOICE DATE	4/26/19
PAGE	1 of 1

INVOICE TO

1oz - 590 - 712  
 APOLLO INC  
 PO BOX 7305  
 1207 W COLUMBIA DR  
 KENNEWICK WA 99336-3459

JOB ADDRESS  
 APOLLO INC  
 1080 HUBBORD AVE  
 COEUR D'ALENE, ID 83814  
 509-948-2803

RECEIVED BY	CONTRACT NO.
MARCOS, TONY	88621722
PURCHASE ORDER NO.	
	P162
JOB NO.	
	162
BRANCH	
	POST FALLS ID PC124 573 N IDAHLIN RD POST FALLS, ID 83854 208-777-4585

QTY	EQUIPMENT #	Min	Day	week	4 week	Amount
1	8K-9K 42' SHOOTING BOOM FORKLIFT 933189 Make: GENIE Model: GTH844 Ser #: GTH0813-17466 HR OUT: 1305.000 HR IN: TOTAL: 1305.000	310.00	310.00	875.00	1900.00	1900.00
1	40' STR MANLIFT W/JIB 633866 Make: JLG Model: 460SJ Ser #: 0300192837 HR OUT: 1432.700 HR IN: TOTAL: 1432.700	220.00	220.00	625.00	1400.00	1400.00
1	60' STR ELEC MANLIFT W/GEN 943337 Make: JLG Model: M600JP Ser #: 0300217801 HR OUT: 201.900 HR IN: TOTAL: 201.900	335.00	335.00	955.00	1800.00	1800.00
						Rental Sub-total: 5100.00

SALES ITEMS:

Qty	Item number	Unit	Price	Amount
1	DLPKSRCHG	EA	82.500	82.50
	TRANSPORTATION SURCHARGE			
	FREIGHT :			
	BILLED FOR FOUR WEEKS 4/11/19 THRU 5/08/19.			550.00

\$2,455 per week equipment rental  
 \$82.50 per week transportation surcharge  
 \$137.63 tax  
 \$2,675 per week with transportation surcharge and tax or  
 \$735 per day for all three pieces.  
 \$535

APOLLO, INC.

MAY 02 2019

RECEIVED

Equipment. Service. Guaranteed.

REMIT TO:

SUNBELT RENTALS, INC.  
 PO BOX 409211  
 ATLANTA, GA 30384-9211

NET DUE UPON RECEIPT  
 Invoices not paid within 30 days may be subject to a 1-1/2% per month charge.

SUBTOTAL	5,732.50
SALES TAX	310.95
INVOICE TOTAL	6,043.45

4 WEEK BILL

Date of Issuance: 03/27/19                      Effective Date: 03/27/19  
 Owner: City of Coeur d'Alene, ID              Owner's Contract No.:  
 Contractor: Apollo                                  Contractor's Project No.:  
 Engineer: HDR                                      Engineer's Project No.: 10026247  
 Project: CDA Tertiary Phase 2 Improvements      Contract Name:

**Contractor is directed to proceed promptly with the following change(s):**

Description:

Provide Closure to All Incidental Gaps/Holes in Primary Clarifier #3

Provide closure strips or spray foam for all incidental penetrations into Primary Clarifier #3. More specifically in the upper story around all trusses, missed screw holes, and all roof openings caused by the corrugated roofing attaching to 'flat' framing members. The closure will be flush with the outside for aesthetics. The intent is to prevent movement of animals and insects (birds, bats, and hornets) into structure.

Attachments:

1) N/A

**Purpose for Work Change Directive:**

Directive to proceed promptly with the Work described herein, prior to agreeing to changes on Contract Price and Contract Time, is issued due to:

- Non-agreement on pricing of proposed change.
- Necessity to proceed for schedule or other Project reasons.

**Estimated Change in Contract Price and Contract Times (non-binding, preliminary):**

Contract Price    \$ TBD    increase  
 Contract Time    0    days

**Basis of estimated change in Contract Price:**

- Lump Sum     Unit Price
- Cost of the Work per                                       Other

**RECOMMENDED:**

**AUTHORIZED BY:**

**RECEIVED:**

By: 

By: 

By: 

Engineer (Authorized Signature)

Owner (Authorized Signature)

Contractor (Authorized Signature)

Title: Project Manager

Title: *Cap. Program Mgr*

Title: *AV*

Date: 03/27/2019

Date: *3-27-2019*

Date: *4/8/19*



WCD 056

REPLACE-REPAIR EXISTING ELECTRICAL VAULTS QTY 3



August 22, 2019

Apollo, Inc.  
1133 West Columbia Drive  
Kennewick, WA 99336

Attn: Amy Jenne

Re: Coeur d'Alene Tertiary Treatment Phase 2 Project  
WCD 056 – Replace 3ea Electrical Vaults  
Engineer's Decision

Amy,

We have reviewed your cost proposal for WCD 056 – Replace 3ea Electrical Vaults. We have found your submitted cost proposal to be acceptable.

A total cost of \$7,228.24 and a total of 0 calendar days will be included in the forthcoming final Change Order.

Sincerely,  
HDR Engineering, Inc.

A handwritten signature in blue ink, appearing to read 'Todd Jensen'.

Todd Jensen, PE, CCM  
*Construction Manager*

cc: Mike Anderson – City of Coeur d'Alene Wastewater Department  
Rickey Schultz – HDR  
Mike Soucie – HDR  
Mary Scalise – HDR



**/// BUILDING PEOPLE WHO BUILD GREAT THINGS**

**Work Change Directive**  
**Project: City of Coeur d'Alene Tertiary Treatment Phase 2**  
**Apollo Inc.**

**WCD No:** 56

**Date:** 06/27/19

Description	Labor	Mat	Equip.	Subcont. Total	Supp Total	Total
Replace 3ea Electrical Vaults	\$ 2,174.70	\$ 57.50	\$ 421.50	\$ 4,383.58	\$ 101.73	\$ 7,139.01
<b>SUBTOTAL COST &gt;</b>						<b>\$ 7,139.01</b>
Insurance Premium .5% - Changed Work >						\$ 35.70
Bond Premium .75% - Changed Work >						\$ 53.54
<b>TOTAL LUMP SUM COST &gt;</b>						<b>\$ 7,228.24</b>

Work Change Directive  
 Project: City of Coeur d'Alene Tertiary Treatment Phase 2  
 Apollo Inc.

WCD No: 56  
 Item No: 1  
 Date: 6/27/19

Item Description: Replace 3ea Electrical Vaults

Description	Qty	U of M	Rate	Labor	Unit	Rate	Mat	Unit	Rate	Equip.	Subcont. Total	Total
<b>APOLLO - PROJECT SUPERVISION COSTS</b>												
Project Manager	2.0	HR	\$ 90.00	\$ 180.00								\$ 180.00
Project Superintendent	0.0	HR	\$ 79.56	\$ -								\$ -
Site Civil Superintendent	4.0	HR	\$ 68.08	\$ 272.32								\$ 272.32
<b>APOLLO - CRAFT LABOR COSTS</b>												
<b>Carpenters</b>												
Carpenter	16.0	HR	\$ 38.37	\$ 613.92								\$ 613.92
<b>Laborers</b>												
General	16.0	HR	\$ 34.36	\$ 549.76								\$ 549.76
<b>APOLLO - OPERATED EQUIPMENT</b>												
<b>Excavator - CAT 303</b>												
+ Operator	6.0	HR	\$ 45.84	\$ 275.04								\$ 275.04
+ Operating Costs	6.0							HRLY	\$ 19.42	\$ 116.52		\$ 116.52
<b>APOLLO - OTHER EQUIPMENT COSTS</b>												
Plate Wacker	1.0							DY	\$ 250.00	\$ 250.00		\$ 250.00
								LS		\$ -		\$ -
										\$ -		\$ -
<b>APOLLO - MATERIAL COSTS</b>												
Grout	1.0				LS	\$ 50.00	\$ 50.00					\$ 50.00
							\$ -					\$ -
							\$ -					\$ -
Apollo - Subtotal Direct Costs >				\$ 1,891.04		\$ 50.00				\$ 366.52		\$ 2,307.56
Markup on Self-Performed Labor, Mat'l's & Equipment >	15.0%			\$ 283.66		\$ 7.50				\$ 54.98		\$ 346.13
<b>SUBCONTRACTOR COSTS</b>												
MSE	1										\$ 4,174.84	\$ 4,174.84
											\$ -	\$ -
Subtotal Subcontractors Costs >											\$ 4,174.84	\$ 4,174.84
Markup on Subcontractor Costs >	5.0%										\$ 208.74	\$ 208.74
<b>SUPPLEMENTAL COSTS</b>												
Special Consultants											\$ -	\$ -
Subsistence for Project Supervision	4.0				HR	\$ 11.25	\$ 45.00					\$ 45.00
Temporary Facilities at the Site					LS		\$ -					\$ -
Small Tools	1.0				LS	\$ 56.73	\$ 56.73					\$ 56.73
Subtotal Supplementary Costs >						\$ 101.73					\$ -	\$ 101.73
Markup on Supplementary Costs >	0.0											

Contractor - Total Direct Costs w/Markup >	\$ 7,139.01
Insurance Premium .5% - Changed Work >	\$ 35.70
Bond Premium .75% - Changed Work >	\$ 53.54

<b>TOTAL LUMP SUM COST &gt;</b>	<b>\$ 7,228.24</b>
---------------------------------	--------------------



Contract Number	Date	Item Number	Item Name WCD #1 56
Prime Contractor		Subcontractor / Lower Tier Subcontractor	
Line / Station	Group	Basis of Material Acceptance	RAMS Number
Description of Work Performed Replace Electrical vaults			

Time Worked Record							
	Workers and/or Equipment Working	Occupation of Workers or Equipment Size	Hours Worked		Reg. Rate	O.T. Rate	Amount
			Reg.	O.T.			
1	Mark Thomas	Operator (Finish Blade)	6				
2	Al Pino	Laborer (Concrete)	6				
3	Mike DALaney	Carp (Forms)	6				
4							
5	CAT rentals						
6	305 mini						
7							
8	Sunbelt Rentals.						
9	2001b plate. <del>wacker</del> wacker.						
10							
11							
12	Grout + clean out vaults.						
13	Al PINO	Laborer (concrete)	10				
14	Hector PAEZ	Carpenter (Forms)	10				
15							
16							
17							
18							
19							
20							
Calculated By		Date	Checked By		Date	Total	

Ledger Entry Number	Entered By	Date	Entry Verified	Date
---------------------	------------	------	----------------	------

Inspector's Signature	Contractor's Representative Signature	Title
-----------------------	---------------------------------------	-------





**TIME and MATERIAL COST**

Request No: 65

To: CITY OF CDA - WWTP

Date Of Proposal: 5/28/2019

Job #: 17-010

Regarding: WCD-056

Job Name: CDA TERITARY TREATMENT PHASE 2

Attention: \_\_\_\_\_

Work To Be Done: SUPPLY AND INSTALL 3 GRADE RINGS AND VAULT LIDS

\_\_\_\_\_

\_\_\_\_\_

\_\_\_\_\_

\_\_\_\_\_

\_\_\_\_\_

\_\_\_\_\_

<u>LABOR CLASSIFICATION</u>	<u>RATES</u>			<u>HOURS</u>			<u>EXTENDED</u>
	STRAIGHT	OVERTIME	DBL TIME	STRAIGHT	OVERTIME	DOUBLE TIME	
FOREMAN	\$ 70.99	\$ 95.14	\$ 119.29				\$ -
JOURNEYMAN	\$ 66.50	\$ 88.47	\$ 110.40				\$ -
APPRENTICE	\$ 41.14	\$ 64.50	\$ 90.55				\$ -
PROJECT MANAGER	\$ 85.00			1.00			\$ 85.00
<b>LABOR SUB TOTAL</b>							<b>\$ 85.00</b>

<u>EQUIPMENT</u>	<u>RATES</u>				<u>EXTENDED</u>
	HOUR	DAY	WEEK	MONTH	
COST + 15%					
<b>TOOL SUB TOTAL</b>					<b>\$ -</b>

<u>MATERIAL</u>	<u>EXTENDED</u>	
COST + 15%		
OLD CASTLE	\$ 1,084.38	
OLD CASTLE	\$ 2,472.00	
<b>MATERIAL SUB TOTAL</b>		<b>\$ 4,089.84</b>

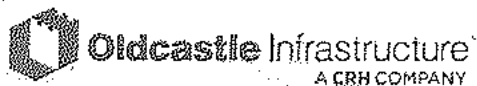
<u>SUB-CONTRACTOR</u>	<u>EXTENDED</u>	
COST + 5%		
<b>SUB-CONTRACTOR SUB TOTAL</b>		<b>\$ -</b>

**Total Proposed Change Order price: \$ 4,174.84**

Submitted By: DAVE PERRINS, Project Manager Date: 5/28/2019

Approved By: \_\_\_\_\_ Date: \_\_\_\_\_

Title: \_\_\_\_\_



PO Box 588  
Auburn, WA 98071

A CRH COMPANY

Telephone: 253-839-3500  
Fax: 253-735-4201

INVOICE

<b>Remit to:</b>
Oldcastle Infrastructure P.O. Box 742387 Los Angeles, CA 90074-2387

Tax exempt number: A17 4385 19

SOLD TO:

SHIP TO:

Mountain States Electrical Con  
PO BOX 4325  
SPOKANE, WA 99220 0325

Coeur D'Alene Jobsite  
Wast Water Treatment Plant  
765 West Hubbard  
COEUR D ALENE, ID 83814 2628

Invoice No.	Date	Customer No.	Order No.	Customer PO	Delivery Terms	Mode of Delivery
010228410	5/16/2019	010062847	S161001	17010	FOB Job Site	Oldcastle/LV Truck

Packing slip(s) ...: SP190770

Group: 23 RISER 12"

Qty	Unit	Item	Description	Mark	Unit Price	Amount
3.00	Ea	0020481	23R-12" SCL Riser (s)		341.00	1,023.00
					Tax	61.38

C/O # 65

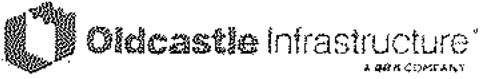
TOTAL AMOUNT DUE BY: 06/15/19

US

1,084.38

Minimum 10% handling charge on all returned goods. No goods to be returned without consent. Give as reference our invoice number and date. Claims for damages, back charges for labor, other expenses, will not be allowed unless authorized in writing by the seller. The articles and/or services covered by this invoice were produced in compliance with the Federal Labor Standards Act of 1938, as amended. The Customer Agrees

1. THAT THE ABOVE TOTAL IS PAST DUE IF NOT PAID WITHIN 30 DAYS OF DATE OF THIS INVOICE
2. TO PAY A FINANCE CHARGE OF 1.5% PER MONTH (18% PER ANNUM) ON ANY PAST DUE AMOUNT
3. TO PAY COLLECTION COSTS, INCLUDING REASONABLE ATTORNEY FEES, AFTER DEFAULT BY THE CUSTOMER



# Confirmation

Confirmation No: SC090743

2808 A Street SE  
Auburn, WA 98002

Telephone : 253-839-3500  
Fax : 253-735-4201

oldcastleinfrastructure.com

Sold To : Mountain States Electrical Con  
PO BOX 4325  
SPOKANE, WA 99220 0325

Ship To : Coeur D'Alene Jobsite  
Attn: Bruce  
COEUR D'ALENE, ID 83814 2628

Ship date: 4/30/2019

Reference :

Contact: Terry

Phone: 509-532-0110x102

Order No	Date	Customer No	Customer PO	Terms	Cash discount	Delivery terms
S161001	4/24/2019	002847	17010	Net 30 Days		FOB Job Site

Qty	Unit	Item	Description	Mark	Unit price	Amount
2.00	CWT	9400000	Freight Delivery to Coeur D'Alene, ID		300.00	600.00

Group: 23-2436

Qty	Unit	Item	Description	Mark	Unit price	Amount
3.00	Ea	0020420	23-2436F Cover		624.00	1,872.00
3.00	Kit	3150020	2436-DP-NSA "Electric" Assembly			

Shipping instructions: Bruce  
509-710-7480

All products and services listed on this Confirmation are provided under the Standard Terms and Conditions located at:  
<https://oldcastleinfrastructure.com/customer-support/terms-conditions/material-sales/>

*C/O # 65*

ORDER TOTAL US 2,472.00

(Accepted by)

(Position)

(Date)







2:01 PM









2:01 PM

WCD 057

AHU PUMP MODIFICATION



September 9, 2019

Apollo, Inc.  
1133 West Columbia Drive  
Kennewick, WA 99336

Attn: Amy Jenne

Re: Coeur d'Alene Tertiary Treatment Phase 2 Project  
WCD 057 – Hot Water Loop & MAU-501-01  
Engineer's Decision

Amy,

We have reviewed your cost proposal for WCD 057 – Hot Water Loop & MAU-501-01. We have found your submitted cost proposal to be acceptable.

A total cost of \$12,331.08 and a total of 0 calendar days will be included in the forthcoming final Change Order.

Sincerely,  
HDR Engineering, Inc.

A handwritten signature in blue ink, appearing to read 'Todd Jensen'.

Todd Jensen, PE, CCM  
*Construction Manager*

cc: Mike Anderson – City of Coeur d'Alene Wastewater Department  
Rickey Schultz – HDR  
Mike Soucie – HDR  
Mary Scalise – HDR



**/// BUILDING PEOPLE WHO BUILD GREAT THINGS**

**Work Change Directive**  
 Project: City of Coeur d'Alene Tertiary Treatment Phase 2  
 Apollo Inc.

WCD No: 14Rev1

Date: 08/30/19

Description	Labor	Mat	Equip.	Subcont. Total	Supp Total	Total
Rework Hot Water Loop & MAU Mods	\$ 570.58	\$ -	\$ -	\$ 11,593.38	\$ 14.88	\$ 12,178.84
<b>SUBTOTAL COST &gt;</b>						<b>\$ 12,178.84</b>
Insurance Premium .5% - Changed Work >						\$ 60.89
Bond Premium .75% - Changed Work >						\$ 91.34
<b>TOTAL LUMP SUM COST &gt;</b>						<b>\$ 12,331.08</b>



Work Change Directive  
 Project: City of Coeur d'Alene Tertiary Treatment Phase 2  
 Apollo Inc.

WCD No: 57Rev1  
 Item No: 1  
 Date: 8/30/19

Item Description: Rework Hot Water Loop & MAU-501-01 Mods

Description	Qty	U of M	Rate	Labor	Unit	Rate	Mat	Unit	Rate	Equip.	Subcont. Total	Total
<b>APOLLO - PROJECT SUPERVISION COSTS</b>												
Project Manager	4.0	HR	\$ 90.00	\$ 360.00								\$ 360.00
Project Superintendent	0.0	HR	\$ 79.56	\$ -								\$ -
Site Civil Superintendent	2.0	HR	\$ 68.08	\$ 136.16								\$ 136.16
Apollo - Subtotal Direct Costs >				\$ 496.16			\$ -			\$ -		\$ 496.16
Markup on Self-Performed Labor, Mat'ls & Equipment >	15.0%			\$ 74.42			\$ -			\$ -		\$ 74.42
<b>SUBCONTRACTOR COSTS</b>												
MSE	1										\$ 2,990.81	\$ 2,990.81
Mackin & Little	1										\$ 4,567.17	\$ 4,567.17
Air Tech	1										\$ 3,483.33	\$ 3,483.33
											\$ -	\$ -
Subtotal Subcontractors Costs >											\$ 11,041.31	\$ 11,041.31
Markup on Subcontractor Costs >	5.0%										\$ 552.07	\$ 552.07
<b>SUPPLEMENTAL COSTS</b>												
Special Consultants											\$ -	\$ -
Subsistence for Project Supervision					HR	\$ 11.25	\$ -					\$ -
Temporary Facilities at the Site					LS		\$ -					\$ -
Small Tools	1.0				LS	\$ 14.88	\$ 14.88					\$ 14.88
Subtotal Supplementary Costs >							\$ 14.88				\$ -	\$ 14.88
Markup on Supplementary Costs >	0.0											

<b>Contractor - Total Direct Costs w/Markup &gt;</b>	<b>\$ 12,178.84</b>
Insurance Premium .5% - Changed Work >	\$ 60.89
Bond Premium .75% - Changed Work >	\$ 91.34
<b>TOTAL LUMP SUM COST &gt;</b>	<b>\$ 12,331.08</b>



**TIME and MATERIAL COST**

Request No: 60

To: CITY OF CDA - WWTP

Date Of Proposal: 6/7/2019

Job #: 17-010

Regarding: WCD-057

Job Name: CDA TERITARY TREATMENT PHASE 2

Attention: \_\_\_\_\_

Work To Be Done: \_\_\_\_\_  
 \_\_\_\_\_  
PER WCD-57  
 \_\_\_\_\_  
MAKE CHANGES TO BOILER  
 \_\_\_\_\_  
 \_\_\_\_\_  
 \_\_\_\_\_  
 \_\_\_\_\_

LABOR CLASSIFICATION	RATES			HOURS			EXTENDED
	STRAIGHT	OVERTIME	DBL TIME	STRAIGHT	OVERTIME	DOUBLE TIME	
FOREMAN	\$ 70.99	\$ 95.14	\$ 119.29	29.00			\$ 2,058.71
JOURNEYMAN	\$ 66.50	\$ 88.47	\$ 110.40	4.00			\$ 266.00
APPRENTICE	\$ 41.14	\$ 64.50	\$ 90.55				\$ -
PROJECT MANAGER	\$ 85.00						\$ -
LABOR SUB TOTAL							\$ 2,324.71

EQUIPMENT COST + 15%	RATES				QUANTITY	EXTENDED
	HOUR	DAY	WEEK	MONTH		
TOOL SUB TOTAL						\$ -

MATERIAL COST + 15%	EXTENDED	
CONDUIT, WIRE, FITTINGS, etc	\$ 579.22	
MATERIAL SUB TOTAL		\$ 666.10

SUB-CONTRACTOR COST + 5%	EXTENDED	
SUB-CONTRACTOR SUB TOTAL		\$ -

**Total Proposed Change Order price: \$ 2,990.81**

Submitted By: DAVE PERRINS, Project Manager Date: 6/7/2019

Approved By: \_\_\_\_\_ Date: \_\_\_\_\_

Title \_\_\_\_\_

<b>Report selections:</b>	<b>Job:</b> 17010	<b>Superintendent:</b> ALL	<b>From transaction date:</b> Inception
	<b>Phase:</b> CO060	<b>Estimator:</b> ALL	<b>To transaction date:</b> 06/07/19
	<b>Employee:</b> ALL	<b>Project manager:</b> ALL	
	<b>Job status:</b> Active	<b>Division:</b> ALL	

**MOUNTAIN STATES ELECTRICAL  
Payroll Hours Analysis Report  
Phase Detail**

Job: 17010 CDA TERTIARY TREATMENT

Employee Code	Employee Name	Hours			Earnings			Burden Total
		Regular	Overtime	Total	Regular	Overtime	Total	
CO-060	BOILER CHANGES M&L							
OMASEA	SEAN M OMALLEY	29.00		29.00				
PHITAR	TARA V PHILLIPS	4.00		4.00				
<b>Total for phase: CO-060</b>		<b>33.00</b>	<b>0.00</b>	<b>33.00</b>				
<b>Total for job: 17010</b>		<b>33.00</b>	<b>0.00</b>	<b>33.00</b>				
<b>Report totals:</b>		<b>33.00</b>	<b>0.00</b>	<b>33.00</b>				



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REMIT TO:  
P.O. Box 418759  
Boston, MA 02241-8759



INVOICE # V084196

INVOICE DATE 5/07/19

CSI Coeur d'Alene  
12081 664-2178 mgr51@platt.com

DATE ORDERED	DATE SHIPPED	SHIPPED VIA	BILL OF LADING	CUSTOMER PO#
5/06/19	5/06/19	Pickup		17-019-0060

SOLD TO

Mountain States Electrical Con  
Box 4326  
Spokane, WA 99202

SHIP TO

Customer Pickup

ORDERED BY: SEAN

PAGE 1

CUSTOMER ACCT#	JOB NAME	JOB#	SALES	PLATT SALESPERSON					
127258	COA WWP9 Phase	17-019	120	Whitton, Jason F					
QTY	SHIPPED	BACK ORD	EDP #DESCRIPTION	UNIT PRICE	UNT	DISC %	TOTAL	TAX	TERM
40	40		CONDNIT 3/4-IN GALV STEEL 0065576	187.9490	C		75.18	Y	10
12	12		APP CLB-75MM 3/4 IN RSG CLAMP 0078541	118.6690	C		14.00	Y	10
12	12		APP CL-75MM 3/4 IN COND CLAMP 0002527	75.8660	C		9.10	Y	10
6	6		APP ST-TH 3/4 IN LPMG CONN 0003256	314.4890	C		18.87	Y	10

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Mo - 8p PT Tu - 9p MT Every single day  
Pay Online Invoices & Statements 24/7 www.platt.com

SUBTOTAL

117.15

OTHER

CHARGES

SALES TAX

\$

7.03

INVOICE TOTAL

\$

124.18

MAIL REMITTANCE TO  
P.O. BOX 418759 - BOSTON, MA 02241-8759  
(508) 647-8121

Material Safety Data Sheets Available Upon Written Request Minimum Resale Quantity 1000 Units. Minimum Resale Charge on Accessed Regions

OVER 100 BRANCHES THROUGHOUT THE WEST



4216 E. MAIN AVE  
 SPOKANE, WA 99202-4743  
 509-328-1020 Fax 509-328-2107

# INVOICE

INVOICE NUMBER	INVOICE DATE	SHIP DATE	CUSTOMER NUM
S9316346.001	06/08/19	06/08/19	118062
PLEASE REMIT PAYMENT TO:			
NORTH COAST ELECTRIC COMPANY PO BOX 34399 SEATTLE WA 98124-1399			

SHIP TO:

MOUNTAIN STATES EL CONTR, INC.  
 PO BOX 4325  
 SPOKANE WA 99220-0325

MOUNTAIN STATES / COEUR D'ALENE STP  
 765 W HUBBARD AVE  
 COEUR D'ALENE ID 83814-2232

ORDER DATE	ORDERED BY	CUSTOMER PO NO	SHIP VIA	WRITER	BRANCH
05/06/19	SEAN	17-010 CO#60	WILL CALL	John Keck	330
LINE	ITEM DESCRIPTION	QTY ORDERED	QTY SHIPPED	NET PRICE	EXTENSION
1	HUBW HBLDS3 DISCONNECT, 30A UNFUSED, 4X  <i>CO 60</i>	1	1	235.300E	235.30

Subtotal	235.30
S&H Charges	10.00
Sales Tax	0.00
<b>Amount Due</b>	<b>245.30</b>

All payments are due by 06/25/19.

All charges are in US Dollars.

All sales are conditioned upon purchaser's agreement to North Coast Electric Company's Standard Terms and Conditions Applying to All Sales, set out in Form NC055 available at <https://www.northcoastelectric.com/termsandconditions> or upon request.





4216 E. MAIN AVE  
 SPOKANE WA 99202-4743  
 509-328-1020 Fax 509-328-2107

# INVOICE

INVOICE NUMBER	INVOICE DATE	SHIP DATE	CUSTOMER NUM
S9315947.001	05/08/19	05/08/19	118062
PLEASE REMIT PAYMENT TO:			
NORTH COAST ELECTRIC COMPANY PO BOX 34399 SEATTLE WA 98124-1399			

**SHIP TO:**

MOUNTAIN STATES EL CONTR, INC.  
 PO BOX 4325  
 SPOKANE WA 99220-0325

MOUNTAIN STATES / COVER D ALIENS WTP  
 765 W HUBARD AVE  
 COVER D ALIENS ID 83814-2232

ORDER DATE	ORDERED BY	CUSTOMER PO NO	SHIP VIA	WRITER	BRANCH
05/07/19	Bruce	17-010	WILL CALL	James Carrillo	330
LINE	ITEM DESCRIPTION	QTY ORDERED	QTY SHIPPED	NET PRICE	EXTENSION
1	SIEM 75D73070J COILKIT,24VAC,60HZ,SZ 00-2-1/2  <i>Call # 60</i>	1	1	89.300E	89.30

Subtotal	89.30
S&H Charges	18.41
Sales Tax	0.00
<b>Amount Due</b>	<b>107.71</b>

Invoice is due by 06/25/19.

All sales are conditioned upon purchaser's agreement to North Coast Electric Company's Standard Terms and Conditions Applying to All Sales, set out in Form NC056 available at <https://www.northcoastelectric.com/termsandconditions> or upon request.

All charges are in US Dollars.

# NORTH COAST ELECTRIC COMPANY

4216 E. MAIN AVE.  
SPOKANE, WA 99202-4743  
509-328-1020 Fax 509-328-2107

# INVOICE

INVOICE NUMBER	INVOICE DATE	SHIP DATE	CUSTOMER NUM
S9321974.001	05/09/19	05/09/19	118062
PLEASE REMIT PAYMENT TO:			
NORTH COAST ELECTRIC COMPANY PO BOX 34399 SEATTLE WA 98124-1399			

**SHIP TO:**

MOUNTAIN STATES EL CENTER, INC.  
PO BOX 4325  
SPOKANE WA 99220-0325

MOUNTAIN STATES / CORDER D ALENE WIP  
700 W HUBARD AVE  
CORDER D ALENE ID 83814-2232

ORDER DATE	ORDERED BY	CUSTOMER PONO	SHIP VIA	WRITER	BRANCH
05/09/19	Bruce	17-010	PPP - PAPER PRNT	James Carrillo	330
LINE	ITEM DESCRIPTION	QTY ORDERED	QTY SHIPPED	NET PRICE	EXTENSION
1	BRDGPORT 142 3/4 SEALING LOCKNUT	10	10	69.560c	6.96
2	BRDGPORT 322 3/4 10SD PLSTC BUSH	8	8	8.650c	0.69

*Handwritten note:* 11 # 60

Invoice is due by 06/25/19.

Subtotal	7.65
S&H Charges	
Sales Tax	0.00
<b>Amount Due</b>	<b>7.65</b>

All charges are in US Dollars.

All sales are conditioned upon purchaser's agreement to North Coast Electric Company's Standard Terms and Conditions Applying to All Sales, set out in Form NC065 available at <https://www.northcoastelectric.com/termsandconditions> or upon request.



4216 L MAIN AVE  
 SPOKANE WA 99202-4743  
 509-328-1026 Fax 509-328-2107

# INVOICE

INVOICE NUMBER	INVOICE DATE	SHIP DATE	CUSTOMER NUM
S9358703.001	05/29/19	05/29/19	118062
PLEASE REMIT PAYMENT TO:			
NORTH COAST ELECTRIC COMPANY PO BOX 34399 SEATTLE WA 98124-1399			

**SHIP TO:**

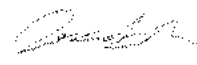
MOUNTAIN STATES EL CONTR, INC.  
 PO BOX 8325  
 SPOKANE WA 99220-8325

MOUNTAIN STATES / SPOKANE & ALEMU WSP  
 765 W RUSKAMP AVE  
 COEUR D'ALENE ID 83814-2022

ORDER DATE	ORDERED BY	CUSTOMER / PO NO	SHIP VIA	OFFICER	DIVISION
05/29/19	JACOB	17-010 CO#60	PPP - PAPER PRNT	Brad Dewey	330
LINE	ITEM DESCRIPTION	QTY ORDERED	QTY SHIPPED	NET PRICE	EXTENSION
1	ERC 613400 3/4X10FT CU GROUND ROD	1	1	22.360E	22.36
2	R-DOT IH3-2-LM 1G RT BOX 3 3/4HUBS	1	1	375.390c	3.75

*CO #60*

Subtotal	26.11
S&H Charges	
Sales Tax	0.00
<b>Amount Due</b>	<b>26.11</b>

APPROVED BY: 

All payments are due by 07/25/19.

All charges are in US Dollars.

All sales are conditioned upon purchaser's agreement to North Coast Electric Company's Standard Terms and Conditions Applying to All Sales, set out in Form NC055 available at <https://www.northcoastelectric.com/termsandconditions> or upon request.



**Mackin & Little JOB # 17-09**  
**Cost Estimate Detail Sheet**

Sheet 1 of 1	Change Proposal # 7	Reference	WD-057
Project	CDA Tertiary Treatment Ph 2 Imprvmt.	06/07/19	

Add InLine Pump to thev hot water heating loop serving MAU-501-01 heating coil and freeze-stat per attched spec's and modified P & ID sheet				Contractor	APOLLO INC.	By	George Renner	
Item	MATERIALS	Quantity	Unit	Unit Costs Material	Labor	Material Costs	Labor Costs	Total
1	Taco 1915-1 1/2" X 1 1/2" ( 1/2 ) HP 1750 RPM single phase 120V TEFC Motor	1	Each	\$1,141.95		\$1,141.95	\$0.00	\$1,141.95
2	Clamp-in Sensor ( Furnished By Apollo )	1	Each			\$0.00	\$0.00	\$0.00
3	Pump Pressure Gauges	2	Each	\$103.52		\$207.04	\$0.00	\$207.04
4	1" Screwed Ball Valve	2	Each	\$24.68		\$49.36	\$0.00	\$49.36
5	1/4" Screwed Ball Valve	3	Each	\$2.09		\$6.27	\$0.00	\$6.27
6	1" B M 90 Degree Ells	2	Each	\$3.61		\$7.22	\$0.00	\$7.22
7	1/4" B M 90 Degree Ells	2	Each	\$2.48		\$4.96	\$0.00	\$4.96
8	1" X 4" Sch 40 Black Nipples	2	Each	\$2.29		\$4.58	\$0.00	\$4.58
9	1/4" X 4" Sch 40 Black Nipples	3	Each	\$1.49		\$4.47	\$0.00	\$4.47
10	1/4" Black Unions	3	Each	\$6.41		\$19.23	\$0.00	\$19.23
11	Consumables	1	Each	\$15.00		\$15.00	\$0.00	\$15.00
12	<b>LABOR</b>					\$0.00	\$0.00	\$0.00
13	5-13-19 Matt Howell	4	M H	\$87.77		\$351.08	\$0.00	\$351.08
14	5-13-19 Rich Little	8	M H	\$73.14		\$585.12	\$0.00	\$585.12
15	5/13/2019 Hector	8	M H	\$73.14		\$585.12	\$0.00	\$585.12
16	<b>RESTART LABOR</b>					\$0.00	\$0.00	\$0.00
17	5-13-19 Matt Howell	4	M H	\$87.77		\$351.08	\$0.00	\$351.08
	<b>RESET Pump Flow</b>					\$0.00	\$0.00	\$0.00
18	5-25-19 Rich Little	4	M H	\$73.14		\$292.56	\$0.00	\$292.56
19						\$0.00	\$0.00	\$0.00
20						\$0.00	\$0.00	\$0.00
<b>Sub-Contractor Costs</b>			<b>Costs</b>	<b>Subtotal</b>		\$3,625.04	\$0.00	\$3,625.04
1	Tanz Insulation		420					
2					8%			\$290.00
3								<b>Mackin &amp; Little Subtotal:</b> \$3,915.04
								<b>Subcontractor(s)</b> \$436.80
								<b>Subtotal:</b> \$4,351.84
	4%			<b>Subtotal:</b> \$420.00				<b>4% Profit</b> \$156.60
				<b>OH &amp; P:</b> \$16.80				<b>1.5% Bond &amp; Insurance:</b> \$58.73
				<b>Sub-Contractor Total:</b> \$436.80				<b>MACKIN &amp; LITTLE GRAND TOTAL:</b> \$4,567.17



FROM: AIR TECH MECHANICAL COMPANY  
TO: APPOLLO INC.  
RE: CITY OF COEUR D'ALENE  
ADVANCED WASTE WATER TREATMENT FACILITY  
TERTIARY TREATMENT PHASE 2

---

WCD-SUMMARY OF COSTS REPLACE FROZEN COIL

Secondary Control Building MAU 501-11

Description: Remove frozen heating water coil and replace with new coil. Add freeze stat at coil and reprogram controller to shut down upon outside air temperature dropping to below set point.

Reference: Response RFI 141 dated 03/29/2019

---

Labor	hours	
Remove damaged coil	24	
Install new coil	24	
Install new Freeze Stat	2	
Program revision at controller	<u>1</u>	
Total labor	51	
Materials		
New Coil		\$ 1,842.00
Freight		\$ 187.01
Solder, pipe fittings and parts		\$ 10.00
New Freeze Stat		<u>\$ 120.00</u>
Total Materials		\$ 2,159.01

SUMMARY

Labor 51.0 hr. @ 73.91	\$ 3,769.41
Materials	\$ 2,159.01
ISST @ 6%	<u>\$ 129.54</u>
Subtotal	\$ 6,057.96
O, H & P @ 15%	<u>\$ 908.69</u>
<b>TOTAL WCD-Replace damaged coil</b>	<b>\$ 6,966.65</b>

Submitted To: Amy Jenne  
Submitted By: John Shaffer  
Date: 04/15/2019

Date of Issuance: 04/10/19                      Effective Date: 04/10/19  
 Owner: City of Coeur d'Alene, ID              Owner's Contract No.:  
 Contractor: Apollo                                  Contractor's Project No.:  
 Engineer: HDR                                      Engineer's Project No.: 10026247  
 Project: CDA Tertiary Phase 2 Improvements      Contract Name:

**Contractor is directed to proceed promptly with the following change(s):**

CDA Pump Modification: Add in-line pump to the hot water loop serving MAU-501-01 heating coil and freezestat per attached specification and modified P&ID sheet.

Attachments:

1) Drawings

**Purpose for Work Change Directive:**

Directive to proceed promptly with the Work described herein, prior to agreeing to changes on Contract Price and Contract Time, is issued due to:

- Non-agreement on pricing of proposed change.
- Necessity to proceed for schedule or other Project reasons.

**Estimated Change in Contract Price and Contract Times (non-binding, preliminary):**

Contract Price \$ TBD    increase  
 Contract Time 0    days

**Basis of estimated change in Contract Price:**

- Lump Sum     Unit Price
- Cost of the Work                                       Other

**RECOMMENDED:**

By:   
 \_\_\_\_\_  
 Engineer (Authorized Signature)

Title: Project Manager  
 Date: 04/10/19

**AUTHORIZED BY:**

By:   
 \_\_\_\_\_  
 Owner (Authorized Signature)

Title: CAP. PROGRAM MGR.  
 Date: 4-10-2019

**RECEIVED:**

By:   
 \_\_\_\_\_  
 Contractor (Authorized Signature)

Title: VP  
 Date: 4/15/19

Proposed pump modification: Add in-line pump to the hot water loop serving MAU-501-01 heating coil.

H. Heating Water Pump:

1. Type: Centrifugal, single-stage, in-line type, .
2. Material:
  - a. Volute: Cast iron ASTM A159.
  - b. Impeller:
    - 1) AA sizes: Brass, ASTM B36.
    - 2) A, F sizes: Cast bronze, ASTM B584.
  - c. Pump shaft: Steel, SAE 1144.
  - d. Seal assembly:

- 1) Housing: Brass.
- 2) Bellows: Buna-N.
- 3) Ring: Carbon.
- 4) Spring: 304 stainless steel.
- 5) Seat: Ceramic.
- 6) Seat gasket: Buna-N.
- e. Volute gasket: Cellulose fiber.
- f. Companion flanges:
  - 1) 1 to 1-1/2 IN: Formed steel.
  - 2) 2 IN: Cast iron, ASTM A159.
- g. Shaft sleeve: Copper alloy 110 or aluminum bronze, ASTM B584.
- h. Motor:
  - 1) Meets NEMA 3R requirements.
- i. Schedule:

Equip Mark	Flow, GPM	Pressure, FT TDH	Pump Eff, %	Shutoff Head, FT	HP	Electrical, Volts/Phase
PMP-501-81	105	30	62	21	1.5	480/3
PMP-501-91	105	30	66	35	1.5	480/3
PMP-501-92	105	30	66	35	1.5	480/3
<b>PMP-501-93</b>	<b>18</b>	<b>30</b>	<b>33</b>	<b>31</b>	<b>1/2</b>	<b>120/1</b>

l. Expansion Joints:

1. For piping 2-1/2 IN or smaller.

- a. Type: Bellows.

- b. Material:

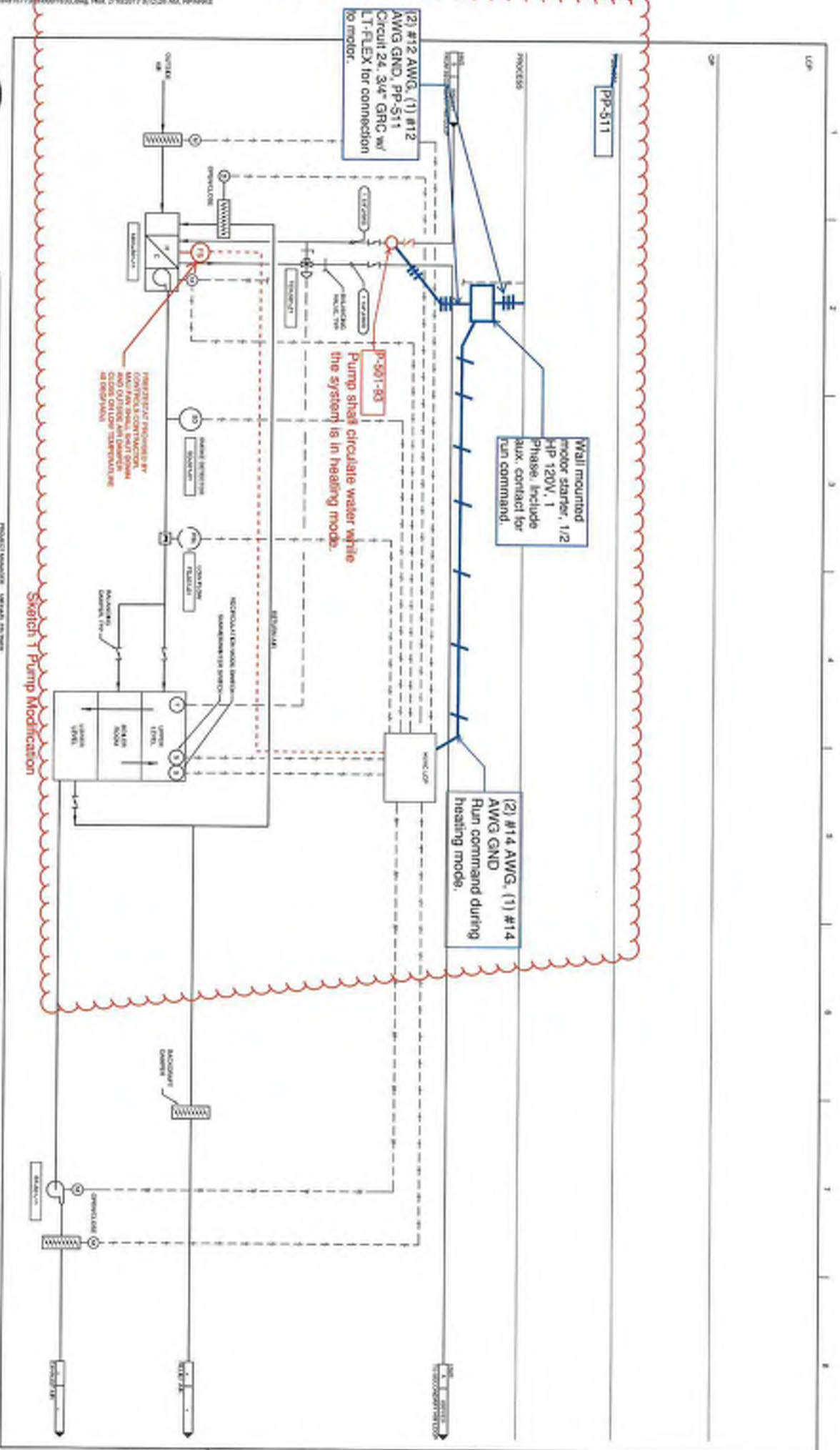
- 1) Bellows: Two-ply stainless steel.

- 2) Shrouds and end fittings: Carbon steel.

- c. Stroke: 1-3/4 IN compression. 1/4 IN extension minimum.

**Armstrong Series 1600 or equal.  
Armstrong matches other hydronic  
pumps for the project.**





Sketch 1 Pump Modification



**HR**

PROJECT LEADER		DATE: 03/10/17	
DESIGNER	DATE	APPROVED	DATE
DRAWN		REVIEWED	
CHECKED		PROJECT MANAGER	



City of Cape Girardeau  
Advanced Wastewater Treatment Facility  
Tertiary Treatment Phase 2

GENERAL INSTRUMENTATION  
HVAC SECONDARY CONTROL BUILDING 2  
SCALE: AS SHOWN  
DATE: 03/10/17



WCD 058

BOILER PUMP MODIFICATIONS



July 15, 2019

Apollo, Inc.  
1133 West Columbia Drive  
Kennewick, WA 99336

Attn: Amy Jenne

Re: Coeur d'Alene Tertiary Treatment Phase 2 Project  
WCD 058 – Boiler Pump Modifications  
Engineer's Decision

Amy,

We have reviewed your cost proposal for WCD 058 – Boiler Pump Modifications. We have found your submitted cost proposal to be acceptable.

A total cost of \$1,629.07 and a total of 0 calendar days will be included in the forthcoming final Change Order.

Sincerely,  
HDR Engineering, Inc.

A handwritten signature in blue ink, appearing to read 'Todd Jensen'.

Todd Jensen, PE, CCM  
*Construction Manager*

cc: Mike Anderson – City of Coeur d'Alene Wastewater Department  
Rickey Schultz – HDR  
Mike Soucie – HDR  
Mary Scalise – HDR



**/// BUILDING PEOPLE WHO BUILD GREAT THINGS**

**Work Change Directive**  
 Project: City of Coeur d'Alene Tertiary Treatment Phase 2  
 Apollo Inc.

WCD No: 58

Date: 06/14/19

Description	Labor	Mat	Equip.	Subcont. Total	Supp Total	Total
Boiler Pump Mods	\$ 570.58	\$ -	\$ -	\$ 1,038.38	\$ -	\$ 1,608.96
<b>SUBTOTAL COST &gt;</b>						<b>\$ 1,608.96</b>
Insurance Premium .5% - Changed Work >						\$ 8.04
Bond Premium .75% - Changed Work >						\$ 12.07
<b>TOTAL LUMP SUM COST &gt;</b>						<b>\$ 1,629.07</b>

Work Change Directive  
 Project: City of Coeur d'Alene Tertiary Treatment Phase 2  
 Apollo Inc.

WCD No: 58  
 Item No: 1  
 Date: 6/14/19

Item Description: Boiler Pump Mods

Description	Qty	U of M	Rate	Labor	Unit	Rate	Mat	Unit	Rate	Equip.	Subcont. Total	Total
<b>APOLLO - PROJECT SUPERVISION COSTS</b>												
Project Manager	4.0	HR	\$ 90.00	\$ 360.00								\$ 360.00
Project Superintendent	0.0	HR	\$ 79.56	\$ -								\$ -
Site Civil Superintendent	2.0	HR	\$ 68.08	\$ 136.16								\$ 136.16
							\$ -					\$ -
Apollo - Subtotal Direct Costs >				\$ 496.16			\$ -			\$ -		\$ 496.16
Markup on Self-Performed Labor, Mat'ls & Equipment >	15.0%			\$ 74.42			\$ -			\$ -		\$ 74.42
<b>SUBCONTRACTOR COSTS</b>												
Mackin & Little	1										\$ 704.97	\$ 704.97
Mountain States Electric	1.0										\$ 283.96	\$ 283.96
Subtotal Subcontractors Costs >											\$ 988.93	\$ 988.93
Markup on Subcontractor Costs >	5.0%										\$ 49.45	\$ 49.45
<b>SUPPLEMENTAL COSTS</b>												
Special Consultants											\$ -	\$ -
Subsistence for Project Supervision					HR	\$ 11.25	\$ -					\$ -
Temporary Facilities at the Site					LS		\$ -					\$ -
Small Tools	0.0				LS	\$ -	\$ -					\$ -
Subtotal Supplementary Costs >							\$ -				\$ -	\$ -
Markup on Supplementary Costs >	0.0											

Contractor - Total Direct Costs w/Markup >	\$ 1,608.96
Insurance Premium .5% - Changed Work >	\$ 8.04
Bond Premium .75% - Changed Work >	\$ 12.07
<b>TOTAL LUMP SUM COST &gt;</b>	<b>\$ 1,629.07</b>

**Mackin & Little JOB # 17-09**  
**Cost Estimate Detail Sheet**

Sheet 1 of 1	Change Proposal #	8	Reference	WD-058
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Project	CDA Tertiary Treatment Ph 2 Imprvmt.	06/12/19
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Modify Pump P-501-81 Impeller to a 5" Impeller				Contractor	APOLLO INC.		By	George Renner
Item	Description	Quantity	Unit	Unit Costs		Material Costs	Labor Costs	Total
				Material	Labor			
1	Shamrock Maching Turn Down Brass Impeller	1	Each	\$49.01		\$49.01	\$0.00	\$49.01
2	Mechanical Sales New 1.25" EPDM Type 2A Seal	1	Each	\$94.32		\$94.32	\$0.00	\$94.32
3						\$0.00	\$0.00	\$0.00
4	LABOR:					\$0.00	\$0.00	\$0.00
5	6-1-19 Rich Little	1	MH		\$80.45	\$0.00	\$80.45	\$80.45
6	6-1-19 Helton ( mechanical Sales Tech )	1	MH		\$73.14	\$0.00	\$73.14	\$73.14
7	6-1-19 Matt Howell	1	MH		\$80.45	\$0.00	\$80.45	\$80.45
8	6-7-19 Matt Howell	1	MH		\$80.45	\$0.00	\$80.45	\$80.45
9	6-14-19 Rich Little	2	MH		\$80.45	\$0.00	\$160.90	\$160.90
10						\$0.00	\$0.00	\$0.00
11						\$0.00	\$0.00	\$0.00
12						\$0.00	\$0.00	\$0.00
13						\$0.00	\$0.00	\$0.00
14						\$0.00	\$0.00	\$0.00
15						\$0.00	\$0.00	\$0.00
16						\$0.00	\$0.00	\$0.00
17						\$0.00	\$0.00	\$0.00
18						\$0.00	\$0.00	\$0.00
19						\$0.00	\$0.00	\$0.00
20						\$0.00	\$0.00	\$0.00
<b>Sub-Contractor Costs</b>			<b>Costs</b>		<b>Subtotal</b>	\$143.33	\$475.39	\$618.72
1					8%	<b>Overhead :</b>		\$49.50
2						<b>Mackin &amp; Little Subtotal:</b>		\$668.22
3						<b>Subcontractor(s)</b>		\$0.00
			<b>Subtotal:</b>	\$0.00		<b>Subtotal:</b>		\$668.22
4%			<b>OH &amp; P:</b>	\$0.00		4% <b>Profit</b>		\$26.73
					1.5%	<b>Bond &amp; Insurance:</b>		\$10.02
<b>Sub-Contractor Total:</b>				\$0.00	<b>MACKIN &amp; LITTLE GRAND TOTAL:</b>			\$704.97





**TIME and MATERIAL COST**

Request No: 68  
 Date Of Proposal: 6/13/2019

To: CITY OF CDA - WWTP  
 Job #: 17-010  
 Regarding: WCD-058  
 Attention: AMY JENNE  
 Work To Be Done:

Job Name: CDA TERITARY TREATMENT PHASE 2

PER WCD-58  
MAKE CHANGES TO BOILER PUMP IMPELLER

LABOR CLASSIFICATION	RATES			HOURS			EXTENDED
	STRAIGHT	OVERTIME	DBL TIME	STRAIGHT	OVERTIME	DOUBLE TIME	
FOREMAN	\$ 70.99	\$ 95.14	\$ 119.29	4.00			\$ 283.96
JOURNEYMAN	\$ 66.50	\$ 88.47	\$ 110.40				\$ -
APPRENTICE	\$ 41.14	\$ 64.50	\$ 90.55				\$ -
PROJECT MANAGER	\$ 85.00						\$ -
LABOR SUB TOTAL							\$ 283.96

EQUIPMENT COST + 15%	RATES				QUANTITY	EXTENDED
	HOUR	DAY	WEEK	MONTH		
TOOL SUB TOTAL						\$ -

MATERIAL COST + 15%							EXTENDED
MATERIAL SUB TOTAL							\$ -

SUB-CONTRACTOR COST + 5%							EXTENDED
SUB-CONTRACTOR SUB TOTAL							\$ -

**Total Proposed Change Order price: \$ 283.96**

Submitted By: DAVE PERRINS, Project Manager Date: 6/13/2019  
 Approved By: \_\_\_\_\_ Date: \_\_\_\_\_  
 Title: \_\_\_\_\_

<b>Report selections:</b>	<b>Job:</b> 17010	<b>Superintendent:</b> ALL	<b>From transaction date:</b> Inception
	<b>Phase:</b> CO068	<b>Estimator:</b> ALL	<b>To transaction date:</b> 06/12/19
	<b>Employee:</b> ALL	<b>Project manager:</b> ALL	
	<b>Job status:</b> Active	<b>Division:</b> ALL	

**MOUNTAIN STATES ELECTRICAL  
Payroll Hours Analysis Report  
Phase Detail**

Job: 17010 CDA TERTIARY TREATMENT

Employee Code	Employee Name	Hours			Earnings			Burden Total
		Regular	Overtime	Total	Regular	Overtime	Total	
CO-068	BOILER IMPELLER							
OMASEA	SEAN M OMALLEY	4.00		4.00				
	<b>Total for phase: CO-068</b>	<b>4.00</b>	<b>0.00</b>	<b>4.00</b>				
	<b>Total for job: 17010</b>	<b>4.00</b>	<b>0.00</b>	<b>4.00</b>				
	<b>Report totals:</b>	<b>4.00</b>	<b>0.00</b>	<b>4.00</b>				



WCD 059

STILLING WELL FOR SEPS WET WELL PRESSURE TRANSDUCER



August 5, 2019

Apollo, Inc.  
1133 West Columbia Drive  
Kennewick, WA 99336

Attn: Amy Jenne

Re: Coeur d'Alene Tertiary Treatment Phase 2 project  
WCD 059 – SEPS Stilling Well  
Engineer's Decision

Amy,

We have reviewed your cost proposal for WCD 059 – SEPS Stilling Well. We have found your submitted cost proposal to be acceptable. However, we did find that you did not include your \$73.08 invoice from Edge Construction Supply in your calculation spreadsheet. This changes your overall cost total from \$1,986.46 to \$2,071.55.

A total cost of \$2,071.55 and a total of 0 calendar days will be included in the forthcoming final Change Order.

Sincerely,  
HDR Engineering, Inc.

A handwritten signature in blue ink, appearing to read 'Todd Jensen'.

Todd Jensen, PE, CCM  
*Construction Manager*

cc: Jim Remitz – City of Coeur d'Alene Wastewater Department  
Rickey Schultz – HDR  
Mike Soucie – HDR  
Mary Scalise – HDR





**/// BUILDING PEOPLE WHO BUILD GREAT THINGS**

**Work Change Directive**  
 Project: City of Coeur d'Alene Tertiary Treatment Phase 2  
 Apollo Inc.

WCD No: 59

Date: 06/27/19

Description	Labor	Mat	Equip.	Subcont. Total	Supp Total	Total
SEPS Stilling Well	\$ 913.16	\$ -	\$ -	\$ 968.71	\$ 80.07	\$ 1,961.94
<b>SUBTOTAL COST &gt;</b>						<b>\$ 1,961.94</b>
Insurance Premium .5% - Changed Work >						\$ 9.81
Bond Premium .75% - Changed Work >						\$ 14.71
<b>TOTAL LUMP SUM COST &gt;</b>						<b>\$ 1,986.46</b>

Work Change Directive  
 Project: City of Coeur d'Alene Tertiary Treatment Phase 2  
 Apollo Inc.

WCD No: 59  
 Item No: 1  
 Date: 6/27/19

Item Description: SEPS Stilling Well

Description	Qty	U of M	Rate	Labor	Unit	Rate	Mat	Unit	Rate	Equip.	Subcont. Total	Total
<b>APOLLO - PROJECT SUPERVISION COSTS</b>												
Project Manager	1.0	HR	\$ 90.00	\$ 90.00								\$ 90.00
Project Superintendent	0.0	HR	\$ 79.56	\$ -								\$ -
Mechanical Superintendent	5.0	HR	\$ 68.08	\$ 340.40								\$ 340.40
<b>APOLLO - CRAFT LABOR COSTS</b>												
<b>Carpenters</b>												
Carpenter	5.0	HR	\$ 38.37	\$ 191.85								\$ 191.85
<b>Laborers</b>												
General	5.0	HR	\$ 34.36	\$ 171.80								\$ 171.80
<b>APOLLO - MATERIAL COSTS</b>												
Pipe & Clamps					LS	\$ 213.08	\$ -					\$ -
							\$ -					\$ -
							\$ -					\$ -
Apollo - Subtotal Direct Costs >				\$ 794.05			\$ -				\$ -	\$ 794.05
Markup on Self-Performed Labor, Mat'ls & Equipment >	15.0%			\$ 119.11			\$ -				\$ -	\$ 119.11
<b>SUBCONTRACTOR COSTS</b>												
MSE	1										\$ 922.58	\$ 922.58
											\$ -	\$ -
Subtotal Subcontractors Costs >											\$ 922.58	\$ 922.58
Markup on Subcontractor Costs >	5.0%										\$ 46.13	\$ 46.13
<b>SUPPLEMENTAL COSTS</b>												
Special Consultants											\$ -	\$ -
Subsistence for Project Supervision	5.0				HR	\$ 11.25	\$ 56.25					\$ 56.25
Temporary Facilities at the Site					LS	\$ -	\$ -					\$ -
Small Tools	1.0				LS	\$ 23.82	\$ 23.82					\$ 23.82
Subtotal Supplementary Costs >							\$ 80.07				\$ -	\$ 80.07
Markup on Supplementary Costs >	0.0											

Contractor - Total Direct Costs w/Markup >	\$	1,961.94
Insurance Premium .5% - Changed Work >	\$	9.81
Bond Premium .75% - Changed Work >	\$	14.71
<b>TOTAL LUMP SUM COST &gt;</b>	<b>\$</b>	<b>1,986.46</b>



Contract Number	Date 6-17	Item Number	Item Name WCD # 59
Prime Contractor		Subcontractor / Lower Tier Subcontractor	
Line / Station	Group	Basis of Material Acceptance	RAMS Number
Description of Work Performed INSTALL STILING WELL @ SEPS			

Time Worked Record							
	Workers and/or Equipment Working	Occupation of Workers or Equipment Size	Hours Worked		Reg. Rate	O.T. Rate	Amount
			Reg.	O.T.			
1	Al Pino	Laborer (Concrete)	5				
2	James Powers	CARP (Forms)	5				
3	Tony DeLapena		5				
4							
5							
6	Harrington Plastics						
7	20' 6" SCH 80 PVC						
8							
9	Edge Cos Supply						
10	6" SST pipe clamps						
11							
12							
13							
14							
15							
16							
17							
18							
19							
20							
Calculated By		Date	Checked By		Date	Total	

Ledger Entry Number	Entered By	Date	Entry Verified	Date
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Inspector's Signature	Contractor's Representative Signature	Title
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Date of Issuance: 05/28/2019 Effective Date: 05/28/2019  
 Owner: City of Coeur d'Alene, ID Owner's Contract No.:  
 Contractor: Apollo Contractor's Project No.:  
 Engineer: HDR Engineer's Project No.: 10026247  
 Project: CDA Tertiary Phase 2 Improvements Contract Name:

**Contractor is directed to proceed promptly with the following change(s):**

Install stilling well for pressure transducer in SEPS:

- 1) Stilling well shall be 6-inch diameter, schedule 80 PVC.
- 2) Locate new stilling well in northeast corner of SEPS wet well. Bottom of stilling well to abut to top of existing fillets.
- 3) Stilling well shall be 4-feet minimum in length. Coordinate with Owner regarding deactivation of SEPS.
- 4) Contractor shall confirm work activities daily with on-site RPR.

Attachments:

- 1) None

**Purpose for Work Change Directive:**

Directive to proceed promptly with the Work described herein, prior to agreeing to changes on Contract Price and Contract Time, is issued due to:

- Non-agreement on pricing of proposed change.  
 Necessity to proceed for schedule or other Project reasons.

**Estimated Change in Contract Price and Contract Times (non-binding, preliminary):**

Contract Price \$ TBD increase  
 Contract Time 0 days

**Basis of estimated change in Contract Price:**

- Lump Sum  Unit Price  
 Cost of the Work  Other

**RECOMMENDED:****AUTHORIZED BY:****RECEIVED:**

By:



Engineer (Authorized Signature)

Title: Project Manager

Date: 05/28/2019

By:



Owner (Authorized Signature)

Title: CAP. PROGRAM MGR.

Date: 5-28-2019

By:



Contractor (Authorized Signature)

Title:

Date: 6/3/19

WCD 060

SOLENOID VALVE FOR PC3 SCUM BEACH SPRAY WATER



August 22, 2019

Apollo, Inc.  
1133 West Columbia Drive  
Kennewick, WA 99336

Attn: Amy Jenne

Re: Coeur d'Alene Tertiary Treatment Phase 2 Project  
WCD 060 – PC3 Scum Beach Spray Water  
Engineer's Decision

Amy,

We have reviewed your cost proposal for WCD 060 – PC3 Scum Beach Spray Water. We have found your submitted cost proposal to be acceptable.

A total cost of \$3,011.20 and a total of 0 calendar days will be included in the forthcoming final Change Order.

Sincerely,  
HDR Engineering, Inc.

A handwritten signature in blue ink, appearing to read 'Todd Jensen'.

Todd Jensen, PE, CCM  
*Construction Manager*

cc: Mike Anderson – City of Coeur d'Alene Wastewater Department  
Rickey Schultz – HDR  
Mike Soucie – HDR  
Mary Scalise – HDR



**/// BUILDING PEOPLE WHO BUILD GREAT THINGS**

**Work Change Directive**  
 Project: City of Coeur d'Alene Tertiary Treatment Phase 2  
 Apollo Inc.

WCD No: 60

Date: 06/25/19

Description	Labor	Mat	Equip.	Subcont. Total	Supp Total	Total
PC3 Scum Beach Spray Water	\$ 1,068.09	\$ 275.01	\$ -	\$ 1,603.07	\$ 27.86	\$ 2,974.03
<b>SUBTOTAL COST &gt;</b>						<b>\$ 2,974.03</b>
Insurance Premium .5% - Changed Work >						\$ 14.87
Bond Premium .75% - Changed Work >						\$ 22.31
<b>TOTAL LUMP SUM COST &gt;</b>						<b>\$ 3,011.20</b>

Work Change Directive  
 Project: City of Coeur d'Alene Tertiary Treatment Phase 2  
 Apollo Inc.

WCD No: 60  
 Item No: 1  
 Date: 6/25/19

Item Description: PC3 Scum Beach Spray Water

Description	Qty	U of M	Rate	Labor	Unit	Rate	Mat	Unit	Rate	Equip.	Subcont. Total	Total
<b>APOLLO - PROJECT SUPERVISION COSTS</b>												
Project Manager	2.0	HR	\$ 90.00	\$ 180.00								\$ 180.00
Project Superintendent	0.0	HR	\$ 79.56	\$ -								\$ -
Site Civil Superintendent	4.0	HR	\$ 68.08	\$ 272.32								\$ 272.32
<b>APOLLO - CRAFT LABOR COSTS</b>												
<b>Laborers</b>												
General	5.0	HR	\$ 34.36	\$ 171.80								\$ 171.80
<b>Pipefitter</b>												
Pipefitter	5.0	HR	\$ 60.93	\$ 304.65								\$ 304.65
<b>APOLLO - OPERATED EQUIPMENT</b>												
<b>APOLLO - MATERIAL COSTS</b>												
Misc. Pipe Parts	1.0				LS	\$ 239.14	\$ 239.14					\$ 239.14
							\$ -					\$ -
							\$ -					\$ -
Apollo - Subtotal Direct Costs >				\$ 928.77		\$ 239.14		\$ -				\$ 1,167.91
Markup on Self-Performed Labor, Mat's & Equipment >				15.0%	\$ 139.32		\$ 35.87		\$ -			\$ 175.19
<b>SUBCONTRACTOR COSTS</b>												
Spokane Roofing	1										\$ 500.00	\$ 500.00
MSE	1										\$ 1,026.73	\$ 1,026.73
Subtotal Subcontractors Costs >											\$ 1,526.73	\$ 1,526.73
Markup on Subcontractor Costs >				5.0%							\$ 76.34	\$ 76.34
<b>SUPPLEMENTAL COSTS</b>												
Special Consultants											\$ -	\$ -
Subsistence for Project Supervision					HR	\$ 11.25	\$ -					\$ -
Temporary Facilities at the Site					LS		\$ -					\$ -
Small Tools	1.0				LS	\$ 27.86	\$ 27.86					\$ 27.86
Subtotal Supplementary Costs >						\$ 27.86					\$ -	\$ 27.86
Markup on Supplementary Costs >				0.0								

<b>Contractor - Total Direct Costs w/Markup &gt;</b>	<b>\$ 2,974.03</b>
Insurance Premium .5% - Changed Work >	\$ 14.87
Bond Premium .75% - Changed Work >	\$ 22.31
<b>TOTAL LUMP SUM COST &gt;</b>	<b>\$ 3,011.20</b>





Contract Number	Date 5-30-19	Item Number	Item Name WCD # 60
Prime Contractor		Subcontractor / Lower Tier Subcontractor	
Line / Station	Group	Basis of Material Acceptance	RAMS Number
Description of Work Performed INSTALL 3W to SCUM beach			

Time Worked Record							
	Workers and/or Equipment Working	Occupation of Workers or Equipment Size	Hours Worked		Reg. Rate	O.T. Rate	Amount
			Reg.	O.T.			
1	RICK GRNYA	Pipe fitter	5				
2	AL PINO	Laborer (concrete)	5				
3							
4	HARRINGTON						
5	Misc PVC						
6	1" pipe (20')						
7	1" 90's (3)						
8	1" UNIONS (2)	\$50					
9	2x1 tee						
10	HD FOWLER						
11	1" SST BALL VALVE	Invoice					
12							
13	Edge Con. Supply						
14	SST UNISTRUT						
15	1" SST pipe clamps	Invoice					
16							
17	FASTENAL						
18	3/8" SST ANCHORS	\$20					
19							
20							
Calculated By		Date	Checked By		Date	Total	

Ledger Entry Number	Entered By	Date	Entry Verified	Date
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Inspector's Signature	Contractor's Representative Signature	Title
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**H.D. FOWLER  
COMPANY**

REMIT: PO Box 84368, Seattle, WA 98124

Invoice  
Number **15152817**

HAWH

# 015290

Corporate Office  
3633 136th Pl SE, Ste 100, Bellevue, WA 98006  
PO Box 160, Bellevue, WA 98009-0160  
Phone 425-654-8800 \* Fax 425-641-8885

Hayden Branch  
1841 W. Hayden Ave.  
Hayden, ID 83835  
(208) 772-9060 Fax (208) 772-9478

To: T-0 APOLLO INC Attn: Accounts Payable PO Box 7305 KENNEWICK WA 993360617		Ship to: HD Fowler Company - Hayden 1/3 Hayden ID 83835	
Order#	Inv Date:	Order Writer:	
O6294064	05/21/19	Matt Mahan	

Terms: 10P+30	Due: 07/10/19	PO/JOB: SS BV
FOB: H. D. FOWLER	Ship Via: WILL CALL	P162 TERTIARY TREATMENT PHAS

Line	Qty Ship'd	Qty BO'd	UoM	Part # Description	Unit Price	Extended Price	T X
Please note: our Corporate phone number has changed. If you have any questions regarding payables or receivables call Corporate at 425-654-8800.							
1	3	0	EA	1" 316 STAINLESS STEEL BALL VALVE STD PORT THREADED	21.530	64.59	
2	2	0	EA	1" SCH 80 PVC MALE ADAPTER SXT	4.020	8.04	
3	2	0	EA	1" SCH 80 PVC COUPLING SXS	1.940	3.88	
4	1	0	EA	1" ROMAC 702 GALV COMPRESSION COUPLING WITH NBR GASKET	26.850	26.85	
Sub total						103.36	
Freight						0.00	
Tax						0.00	
Grand Total						103.36	

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Serving the Pacific Northwest since 1911



**Change Order Proposal**

Change Request No: 70

To: APOLLO

Date Of Proposal: 6/25/2019

Job #: 17-010

Regarding : WCD-060

Job Name: CDA TERTIARY TREATMENT PHASE 2

Attention: AMY JENNY / KEVIN BURKE

Work To Be Done: Per WCD-060 EXTEND HEAT TRACE AND INSTALL SOLENOID

	Hrs:	Rate:		
Labor Hours: FOREMAN	5	\$ 61.72	\$	308.60
JOURNEYMAN	4	\$ 57.82	\$	231.28
PROJECT MANAGER	1	\$ 85.00	\$	85.00
<b>Total Labor Dollars:</b>			<b>\$</b>	<b>624.88</b>

Tools & Equipment Rentals:		\$	-
Material -	WIRE, FLEX, FITTINGS, HEAT TRACE	\$	267.93
	<b>SUB TOTAL :</b>	<b>\$</b>	<b>267.93</b>

SUB CONTRACTORS

**SUB CONTRACTOR TOTAL:** \$ -

This change requires a time extension of: **0 ( ZERO )** days. Pricing void/subject to revision after  
 The costs represented in this Change Proposal include only those costs which can be identified at this time. No impact or delay costs are included. Should it be determined that the project is impacted at a later date by multiple changes, delays, or other causes beyond our control, we will submit these at that time.

LABOR MARK UP	15.00%	\$	93.73
MATERIAL / EQUIPMENT MARK UP	15.00%	\$	40.19
SUB CONTRACTOR	15.00%	\$	-
		\$	-
<b>Subtotal:</b>		<b>\$</b>	<b>133.92</b>

**Total Proposed Change Order price:** \$ 1,026.73

Submitted By: DAVE PERRINS Date: 6/25/2019

Approved By: \_\_\_\_\_ Date: \_\_\_\_\_

Title \_\_\_\_\_





# Invoice



130 E Sprague Ave.  
Spokane, WA 99202

Date	Invoice #
5/31/2019	1250

Apollo, Inc  
ATTN: Amy Jenne  
1133 W. Columbia Drive  
Kennewick. WA 99336

P.O. No.
#P-162 PC#3

<b>Due on Completion</b>
------------------------------

Description	Qty	Rate	Amount
SERVICE & MAINTENANCE CALL  JOB: CDA TERTIARY AWTF 765 W HUBBARD AVE. COEUR D'ALENE, ID 83814  REFERENCE: JOB #P-162 PC#3 SPRAY BAR MODS.  SCOPE OF WORK: DETAILED/FLASHED 1" PVC PIPE PENETRATION		500.00	500.00
<b>Total</b>			\$500.00
<b>Payments/Credits</b>			\$0.00
<b>Balance Due</b>			\$500.00

Phone #

5098388633

Fax #

509-747-8990

E-mail

info@roofspokane.com

Web Site

www.spokaneroofing.com

Date of Issuance: 06/10/2019 Effective Date: 06/10/2019  
 Owner: City of Coeur d'Alene, ID Owner's Contract No.:  
 Contractor: Apollo Contractor's Project No.:  
 Engineer: HDR Engineer's Project No.: 10026247  
 Project: CDA Tertiary Phase 2 Improvements Contract Name:

**Contractor is directed to proceed promptly with the following change(s):**

Solenoid Valve for PC3 Scum Beach Spray Water:

- 1) Install new 2" x 1" tee on existing 2"-3W pipeline providing spray water to Primary Clarifier 3.
- 2) Install one (1) 120V solenoid valve supplied by the City.
- 3) Pull two (2) #14 AWG, one (1) #14 AWG GND in an existing conduit to the scum spray line solenoid valve located outside of the clarifier.
- 4) Disconnect 1"-3W pipeline for scum beach spray water inside clarifier at header.
- 5) Route new 1"-3W pipeline from new tee to existing scum beach spray water pipeline.
- 6) Penetrate side wall of Primary Clarifier 3 with new 1" piping.
- 7) Repair sidewall and patch liner per manufacturer's instruction.
- 8) Install heat trace extension from the existing heat trace line to cover new line.

Attachments:

- 1) None

**Purpose for Work Change Directive:**

Directive to proceed promptly with the Work described herein, prior to agreeing to changes on Contract Price and Contract Time, is issued due to:

- Non-agreement on pricing of proposed change.  
 Necessity to proceed for schedule or other Project reasons.

**Estimated Change in Contract Price and Contract Times (non-binding, preliminary):**

Contract Price \$ TBD increase  
 Contract Time 0 days

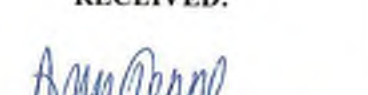
**Basis of estimated change in Contract Price:**

- Lump Sum  Unit Price  
 Cost of the Work  Other

**RECOMMENDED:****AUTHORIZED BY:****RECEIVED:**

By: 

By: 

By: 

Title: Project Manager

Title: Cap. Program Mgr.

Title: 

Date: 06/10/2019

Date: 6-10-2019

Date: 6/14/19

WCD 061

PRIMARY CLARIFIER GAS MONITORING UPDATE



September 9, 2019

Apollo, Inc.  
1133 West Columbia Drive  
Kennewick, WA 99336

Attn: Amy Jenne

Re: Coeur d'Alene Tertiary Treatment Phase 2 Project  
WCD 061 – Primary Clarifier Gas Monitoring  
Engineer's Decision

Amy,

We have reviewed your cost proposal for WCD 061 – Primary Clarifier Gas Monitoring. We have found your submitted cost proposal to be acceptable.

A total cost of \$10,657.25 and a total of 0 calendar days will be included in the forthcoming final Change Order.

Sincerely,  
HDR Engineering, Inc.

A handwritten signature in blue ink, appearing to read 'Todd Jensen'.

Todd Jensen, PE, CCM  
*Construction Manager*

cc: Mike Anderson – City of Coeur d'Alene Wastewater Department  
Rickey Schultz – HDR  
Mike Soucie – HDR  
Mary Scalise – HDR



**/// BUILDING PEOPLE WHO BUILD GREAT THINGS**

**Work Change Directive**  
 Project: City of Coeur d'Alene Tertiary Treatment Phase 2  
 Apollo Inc.

WCD No: 61Rev1

Date: 09/06/19

Description	Labor	Mat	Equip.	Subcont. Total	Supp Total	Total
Primary Clarifier Gas Monitoring	\$ 298.49	\$ -	\$ -	\$ 10,227.19	\$ -	\$ 10,525.68
<b>SUBTOTAL COST &gt;</b>						<b>\$ 10,525.68</b>
Insurance Premium .5% - Changed Work >						\$ 52.63
Bond Premium .75% - Changed Work >						\$ 78.94
<b>TOTAL LUMP SUM COST &gt;</b>						<b>\$ 10,657.25</b>



**Work Change Directive**  
**Project: City of Coeur d'Alene Tertiary Treatment Phase 2**  
**Apollo Inc.**

**WCD No:** 61Rev1  
**Item No:** 1  
**Date:** 9/6/19

*Item Description: Primary Clarifier Gas Monitoring*

Description	Qty	U of M	Rate	Labor	Unit	Rate	Mat	Unit	Rate	Equip.	Subcont. Total	Total
<b>APOLLO - PROJECT SUPERVISION COSTS</b>												
Project Manager	2.0	HR	\$ 90.00	\$ 180.00								\$ 180.00
Project Superintendent	1.0	HR	\$ 79.56	\$ 79.56								\$ 79.56
<b>SUBCONTRACTOR COSTS</b>												
MSE	1										\$ 9,740.18	\$ 9,740.18
											\$ -	\$ -
Subtotal Subcontractors Costs >											\$ 9,740.18	\$ 9,740.18
Markup on Subcontractor Costs >	5.0%										\$ 487.01	\$ 487.01
<b>SUPPLEMENTAL COSTS</b>												
Special Consultants											\$ -	\$ -
Subsistence for Project Supervision					HR	\$ 11.25	\$ -					\$ -
Temporary Facilities at the Site					LS		\$ -					\$ -
Small Tools	0.0				LS	\$ -	\$ -					\$ -
Subtotal Supplementary Costs >							\$ -				\$ -	\$ -
Markup on Supplementary Costs >	0.0											

<b>Contractor - Total Direct Costs w/Markup &gt;</b>	<b>\$ 10,525.68</b>
Insurance Premium .5% - Changed Work >	\$ 52.63
Bond Premium .75% - Changed Work >	\$ 78.94
<b>TOTAL LUMP SUM COST &gt;</b>	<b>\$ 10,657.25</b>



**Mountain States Electric**

**\*\* BID TAKE-OFF DETAILS 2 \***

**Job:** CDA TERTIARY PHASE 2

**Job Number:** 66

**Bid Date:** 12/20/2016

**Page:** 1 of 1

**Date:** 9/6/2019 2:57:38 PM

Asm. No.	Lab Lvl	Description	Qty	Mat Unit	Mat Ext	Lab Unit	Lab MH Ext
<b>WCD-061</b>		<b>ALL INSTRUMENTS PERRINS</b>			<b>&lt;No Name&gt;</b>	<b>&lt;No Name&gt;</b>	
*** Breakout Multipliers: Count = 1			Material Cost = 1.0	Labor Hours = 1.0			
00500			0.00				
2		Miscellaneous Items					
2		#14 THHN CU STR 2500'	3000.00	0.072	217.20	0.005	16.20
<b>Assembly: 00500 Total</b>					<b>217.20</b>		<b>16.20</b>
<b>Unit Material, Labor and Sell</b>					<b>217.20</b>		<b>16.20</b>
<b>Breakout Total</b>					<b>217.20</b>		<b>16.20</b>
<b>Bid Take-Off Details Total</b>					<b>\$217.20</b>		<b>16.20</b>

**CONTROLFREEK INC**PO Box 142192  
SPOKANE VALLEY, WA 99214**INVOICE**

DATE	INVOICE #
8/30/2019	3727

PHONE 509.290.6500

FAX 866.381.3007

## BILL TO

MOUNTAIN STATES ELECTRIC INC  
PO Box 4325  
SPOKANE, WA 99220

MANDIE@CONTROLFREEK.COM

WWW.CONTROLFREEK.COM

<b>PHYSICAL LOCATION:</b> 11616 E MONTOMERY DR, STE 4 SPOKANE VALLEY, WA 99206
--

PROUDLY MADE  
IN THE  
UNITED STATES OF AMERICA

...2017 MARKED 10 YEARS IN BUSINESS...  
THANK YOU!

P.O. No.	TERMS
17-010 CDA WWTP	NET 30

DESCRIPTION	AMOUNT
CDA WWTP CHANGE ORDER WCD-061 ADD GAS SENSOR	6,480.00
PROGRESS BILLING	
<b>TOTAL</b>	<b>\$6,480.00</b>

FEDERAL ID 20-8169435

**170208 C...**

# CONTROLFREEK, INC

INSTRUMENTATION AND INDUSTRIAL CONTROL PANELS  
P.O. Box 142192  
SPOKANE VALLEY, WA 99214

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## **CdA WWTP Tertiary Treatment Phase 2 Project**

ATTN: Dave Perrins  
Mountain States Electric  
Phone: 509-532-0110  
Fax: 509-532-0113

### **This bid includes the following scope of work, per WCD-xxx:**

- Provide calibration, startup, testing and setup of (1) Gas Detection Sensor

### **Not included:**

- Installation of provided equipment not mentioned above

### **NO Sales Tax Included**

**Terms:** NET 30 days from invoice date

**Lead Time:** 1 weeks after approved submittals, Subject to parts availability

**Warranty Period:** 1 Year from Delivery for Parts and Labor

**Service Charge:** If Buyer fails to make any payment when due, ControlFreek Inc reserves the right to suspend performance and Buyer agrees to pay a service charge on the amount past due at the rate of **1.5% per month** (18% per year).

**Non-Payment:** Buyer further agrees that, in the event ControlFreek Inc must refer Buyer's account for collection, Buyer will pay all costs of collection, service charges, attorney fees or other costs incurred by ControlFreek Inc in the course of collection, litigation or in any related action.

**Quote Valid for 60 Days from Bid Date.**

**Project Total Price \$700.00**

Thank you for this opportunity,

Adam Snyder  
Project Manager/Owner  
ControlFreek Inc.  
509-290-6500  
Fax: 866-381-3007



Date of Issuance: 06/10/2019	Effective Date: 06/10/2019
Owner: City of Coeur d'Alene, ID	Owner's Contract No.:
Contractor: Apollo	Contractor's Project No.:
Engineer: HDR	Engineer's Project No.: 10026247
Project: CDA Tertiary Phase 2 Improvements	Contract Name:

**Contractor is directed to proceed promptly with the following change(s):**

**Primary Clarifier Gas Monitoring Update:**

Provide one (1) dual channel AIT and two (2) elements in addition to what is there already according to the field device requirements listed below. Replace the single channel transmitter with the new dual channel and turnover the single channel AIT and one (1) element to Aaron Camp with the City of Coeur d'Alene. Replace the one (1) existing element in scum pit #1 with one (1) new element as listed above.

ULTIMA X5000 Series Gas Monitor. Large LCD Display, Power Input 10-30 VDC, 3-Wire Device, Status LED, Class I Div 1 Groups A-D, T5, Type 4X, IP66 Class II Div 1 Groups E-G, T6; Class III.

Model number: A-X5000-0-F-0-1-AA-AA-T1

- 0 - 316 Stainless Steel Enclosure, Four Conduit Entries 3/4" NPT Threads
- F - CSA Approved
- 0 - Bluetooth (Standard)
- 1 - Output: Two Independent 4-20mA, HART, 3-Relays ( SPDT - Warning, Alarm, Fault )
- 0 - For Future Factory Use
- AA - Sensor One: IR Combustible Sensor, 0-100% LEL, Methane
- AA - Sensor Two: IR Combustible Sensor, 0-100% LEL, Methane
- T1 - Quantity One (1) Stainless Steel Tags for Customers Assigned / Provided Tag Numbers

Model number: 10179229

Termination Junction box to allow remote mounting of sensor away from A-X5000 transmitter, 316 stainless steel, 3/4 NPT, FM.

Attachments:

- 1) None

**Purpose for Work Change Directive:**

Directive to proceed promptly with the Work described herein, prior to agreeing to changes on Contract Price and Contract Time, is issued due to:

- Non-agreement on pricing of proposed change.
- Necessity to proceed for schedule or other Project reasons.

**Estimated Change in Contract Price and Contract Times (non-binding, preliminary):**

Contract Price	\$ TBD	increase
Contract Time	0	days

**Basis of estimated change in Contract Price:**

- Lump Sum  
 Cost of the Work

- Unit Price  
 Other

**RECOMMENDED:**

**AUTHORIZED BY:**

**RECEIVED:**

By: 

Engineer (Authorized Signature)

Title: Project Manager

Date: 06/10/19

By: 

Owner (Authorized Signature)

Title: Cap. Program Mgr.

Date: 6-10-2019

By: 

Contractor (Authorized Signature)

Title: VP

Date: 6/14/19

WCD 062

AREA CLASSIFICATION WORK FOR SCB & SCB2 INSTRUMENTATION



August 22, 2019

Apollo, Inc.  
1133 West Columbia Drive  
Kennewick, WA 99336

Attn: Amy Jenne

Re: Coeur d'Alene Tertiary Treatment Phase 2 Project  
WCD 062 – LCP 5001  
Engineer's Decision

Amy,

We have reviewed your cost proposal for WCD 062 – LCP 5001. We have found your submitted cost proposal to be acceptable. However, we noticed in the backup from Mountain States Electric that 20 hours total (14 Foreman, 6 Journeyman) was recorded for the work but 21 hours was used in the calculation sheet. We have adjusted their total cost to reflect 20 hours instead of 21 hours which reduced their overall cost from \$6,650.58 to \$6,579.59. This adjusted the total overall cost from \$7,489.57 to \$7,414.10.

A total cost of \$7,414.10 and a total of 0 calendar days will be included in the forthcoming final Change Order.

Sincerely,  
HDR Engineering, Inc.

A handwritten signature in blue ink, appearing to read 'Todd Jensen'.

Todd Jensen, PE, CCM  
*Construction Manager*

cc: Mike Anderson – City of Coeur d'Alene Wastewater Department  
Rickey Schultz – HDR  
Mike Soucie – HDR  
Mary Scalise – HDR



**/// BUILDING PEOPLE WHO BUILD GREAT THINGS**

**Work Change Directive**  
 Project: City of Coeur d'Alene Tertiary Treatment Phase 2  
 Apollo Inc.

WCD No: 62

Date: 06/27/19

Description	Labor	Mat	Equip.	Subcont. Total	Supp Total	Total
LCP 5001	\$ 414.00	\$ -	\$ -	\$ 6,983.11	\$ -	\$ 7,397.11

**SUBTOTAL COST > \$ 7,397.11**

Insurance Premium .5% - Changed Work > \$ 36.99

Bond Premium .75% - Changed Work > \$ 55.48

**TOTAL LUMP SUM COST > \$ 7,489.57**



Work Change Directive  
 Project: City of Coeur d'Alene Tertiary Treatment Phase 2  
 Apollo Inc.

WCD No: 62  
 Item No: 1  
 Date: 6/27/19

Item Description: LCP 5001

Description	Qty	U of M	Rate	Labor	Unit	Rate	Mat	Unit	Rate	Equip.	Subcont. Total	Total
<b>APOLLO - PROJECT SUPERVISION COSTS</b>												
Project Manager	4.0	HR	\$ 90.00	\$ 360.00								\$ 360.00
Project Superintendent	0.0	HR	\$ 79.56	\$ -								\$ -
Site Civil Superintendent	0.0	HR	\$ 68.08	\$ -								\$ -
Apollo - Subtotal Direct Costs >				\$ 360.00			\$ -			\$ -		\$ 360.00
Markup on Self-Performed Labor, Mat'ls & Equipment >	15.0%			\$ 54.00			\$ -			\$ -		\$ 54.00
<b>SUBCONTRACTOR COSTS</b>												
MSE	1										\$ 6,650.58	\$ 6,650.58
											\$ -	\$ -
Subtotal Subcontractors Costs >											\$ 6,650.58	\$ 6,650.58
Markup on Subcontractor Costs >	5.0%										\$ 332.53	\$ 332.53

<b>Contractor - Total Direct Costs w/Markup &gt;</b>	<b>\$ 7,397.11</b>
Insurance Premium .5% - Changed Work >	\$ 36.99
Bond Premium .75% - Changed Work >	\$ 55.48
<b>TOTAL LUMP SUM COST &gt;</b>	<b>\$ 7,489.57</b>



**TIME and MATERIAL COST**

Request No: 37

To: CITY OF CDA - WWTP

Date Of Proposal: 5/10/2019

Job #: 17-010

Regarding: LE-501-61

Job Name: CDA TERITARY TREATMENT PHASE 2

Attention: \_\_\_\_\_

Work To Be Done: PER DIRECTION, ADD LE/LIT-501-61

\_\_\_\_\_

\_\_\_\_\_

\_\_\_\_\_

\_\_\_\_\_

\_\_\_\_\_

\_\_\_\_\_

<u>LABOR CLASSIFICATION</u>	<u>RATES</u>			<u>HOURS</u>			<u>EXTENDED</u>
	STRAIGHT	OVERTIME	DBL TIME	STRAIGHT	OVERTIME	DOUBLE TIME	
FOREMAN	\$ 70.99	\$ 95.14	\$ 119.29	15.00			\$ 1,064.85
JOURNEYMAN	\$ 66.50	\$ 88.47	\$ 110.40	6.00			\$ 399.00
APPRENTICE	\$ 41.14	\$ 64.50	\$ 90.55				\$ -
PROJECT MANAGER	\$ 85.00						\$ -
<b>LABOR SUB TOTAL</b>							<b>\$ 1,463.85</b>

<u>EQUIPMENT</u>	<u>RATES</u>				<u>EXTENDED</u>
	HOUR	DAY	WEEK	MONTH	
COST + 15%					
<b>TOOL SUB TOTAL</b>					<b>\$ -</b>

<u>MATERIAL</u>	<u>EXTENDED</u>	
COST + 15%		
<b>MATERIAL SUB TOTAL</b>		<b>\$ -</b>

<u>SUB-CONTRACTOR</u>	<u>EXTENDED</u>	
COST + 5%		
CONTROL FREEK - LEVEL SENSOR	\$ 2,890.00	
<b>SUB-CONTRACTOR SUB TOTAL</b>		<b>\$ 3,034.50</b>

**Total Proposed Change Order price: \$ 4,498.35**

Submitted By: DAVE PERRINS, Project Manager Date: 5/10/2019

Approved By: \_\_\_\_\_ Date: \_\_\_\_\_

Title: \_\_\_\_\_

<b>Report selections:</b>	<b>Job:</b> 17010	<b>Superintendent:</b> ALL	<b>From transaction date:</b> Inception
	<b>Phase:</b> CO037	<b>Estimator:</b> ALL	<b>To transaction date:</b> 05/10/19
	<b>Employee:</b> ALL	<b>Project manager:</b> ALL	
	<b>Job status:</b> Active	<b>Division:</b> ALL	

**MOUNTAIN STATES ELECTRICAL  
Payroll Hours Analysis Report  
Phase Detail**

**Job: 17010 CDA TERTIARY TREATMENT**

Employee Code	Employee Name	Hours			Earnings			Burden Total
		Regular	Overtime	Total	Regular	Overtime	Total	
CO-037	LE-501-61							
EHDWAH	EHD OH WAH	6.00		6.00				
MCCPET	PETE MCCLURE	5.00		5.00				
OMASEA	SEAN M OMALLEY	9.00		9.00				
<b>Total for phase: CO-037</b>		<b>20.00</b>	<b>0.00</b>	<b>20.00</b>				
<b>Total for job: 17010</b>		<b>20.00</b>	<b>0.00</b>	<b>20.00</b>				
<b>Report totals:</b>		<b>20.00</b>	<b>0.00</b>	<b>20.00</b>				

# CONTROLFREEK INC

PO Box 142192  
SPOKANE VALLEY, WA 99214

# INVOICE

DATE	INVOICE #
10/15/2018	3382

PHONE 509.290.6500

FAX 866.381.3007

MANDIE@CONTROLFREEK.COM

WWW.CONTROLFREEK.COM

**BILL TO**

MOUNTAIN STATES ELECTRIC INC  
PO Box 4325  
SPOKANE, WA 99220

PHYSICAL LOCATION:  
11616 E MONTOMERY DR. STE 4  
SPOKANE VALLEY, WA 99206

PROUDLY MADE  
IN THE  
UNITED STATES OF AMERICA

...2017 MARKED 10 YEARS IN BUSINESS...  
THANK YOU!

P.O. No.	TERMS
CDA WWTP	NET 30

DESCRIPTION	AMOUNT
CDA WWTP CHANGE ORDER - #37 CLASS 1/DIV 1 ULTRASONIC LEVEL SENSOR  17-010- CO 37	2,890.00

PROGRESS BILLING

**TOTAL**

\$2,890.00

FEDERAL ID 20-8169435

**170208 C...**



**TIME and MATERIAL COST**

Request No: 42

To: CITY OF CDA - WWTP

Date Of Proposal: 5/10/2019

Job #: 17-010

Regarding: SOLIDS POLY MIXER

Job Name: CDA TERITARY TREATMENT PHASE 2

Attention: \_\_\_\_\_

Work To Be Done: PER DIRECTION MAKE CHANGES TO SOLDIS POLYMER MIXER

\_\_\_\_\_

\_\_\_\_\_

\_\_\_\_\_

\_\_\_\_\_

\_\_\_\_\_

\_\_\_\_\_

LABOR CLASSIFICATION	RATES			HOURS			EXTENDED
	STRAIGHT	OVERTIME	DBL TIME	STRAIGHT	OVERTIME	DOUBLE TIME	
FOREMAN	\$ 70.99	\$ 95.14	\$ 119.29	6.00			\$ 425.94
JOURNEYMAN	\$ 66.50	\$ 88.47	\$ 110.40	8.50			\$ 565.25
APPRENTICE	\$ 41.14	\$ 64.50	\$ 90.55				\$ -
PROJECT MANAGER	\$ 85.00						\$ -
LABOR SUB TOTAL							\$ 991.19

EQUIPMENT COST + 15%	RATES				QUANTITY	EXTENDED
	HOUR	DAY	WEEK	MONTH		
TOOL SUB TOTAL						\$ -

MATERIAL COST + 15%	EXTENDED	
MATERIAL SUB TOTAL		\$ -

SUB-CONTRACTOR COST + 5%	EXTENDED	
SUB-CONTRACTOR SUB TOTAL		\$ -

**Total Proposed Change Order price: \$ 991.19**

Submitted By: DAVE PERRINS, Project Manager Date: 5/10/2019

Approved By: \_\_\_\_\_ Date: \_\_\_\_\_

Title: \_\_\_\_\_



<b>Report selections:</b>	<b>Job:</b> 17010	<b>Superintendent:</b> ALL	<b>From transaction date:</b> Inception
	<b>Phase:</b> CO042	<b>Estimator:</b> ALL	<b>To transaction date:</b> 05/10/19
	<b>Employee:</b> ALL	<b>Project manager:</b> ALL	
	<b>Job status:</b> Active	<b>Division:</b> ALL	

**MOUNTAIN STATES ELECTRICAL  
Payroll Hours Analysis Report  
Phase Detail**

Job: 17010 CDA TERTIARY TREATMENT

Employee Code	Employee Name	Hours			Earnings			Burden Total
		Regular	Overtime	Total	Regular	Overtime	Total	
CO-042	SOLIDS BLD POLY MIXER							
JUDADA	ADAM T JUDGE		8.50				8.50	
MCCPET	PETE MCCLURE		6.00				6.00	
<b>Total for phase: CO-042</b>			<b>14.50</b>	<b>0.00</b>			<b>14.50</b>	
<b>Total for job: 17010</b>			<b>14.50</b>	<b>0.00</b>			<b>14.50</b>	
<b>Report totals:</b>			<b>14.50</b>	<b>0.00</b>			<b>14.50</b>	



**TIME and MATERIAL COST**

Request No: 52

Date Of Proposal: 5/10/2019

To: CITY OF CDA - WWTP

Job #: 17-010

Regarding: RFI 127

Job Name: CDA TERTIARY TREATMENT PHASE 2

Attention: \_\_\_\_\_

Work To Be Done:

PER RFI 127 PROVIDE / INSTALL SEAL FAIL RELAYS FOR P-001-01

<u>LABOR CLASSIFICATION</u>	<u>RATES</u>			<u>HOURS</u>			<u>EXTENDED</u>
	STRAIGHT	OVERTIME	DBL TIME	STRAIGHT	OVERTIME	DOUBLE TIME	
FOREMAN	\$ 70.99	\$ 95.14	\$ 119.29	5.00			\$ 354.95
JOURNEYMAN	\$ 66.50	\$ 88.47	\$ 110.40	2.00			\$ 133.00
APPRENTICE	\$ 41.14	\$ 64.50	\$ 90.55				\$ -
PROJECT MANAGER	\$ 85.00						\$ -
<b>LABOR SUB TOTAL</b>							<b>\$ 487.95</b>

<u>EQUIPMENT</u> COST + 15%	<u>RATES</u>				<u>QUANTITY</u>	<u>EXTENDED</u>
	HOUR	DAY	WEEK	MONTH		
<b>TOOL SUB TOTAL</b>						<b>\$ -</b>

<u>MATERIAL</u> COST + 15%	<u>EXTENDED</u>	
RELAY, BASE, INDICATOR LIGHT	\$ 134.05	
<b>MATERIAL SUB TOTAL</b>		<b>\$ 154.16</b>

<u>SUB-CONTRACTOR</u> COST + 5%	<u>EXTENDED</u>	
<b>SUB-CONTRACTOR SUB TOTAL</b>		<b>\$ -</b>

**Total Proposed Change Order price: \$ 642.11**

Submitted By: DAVE PERRINS, Project Manager Date: 5/10/2019

Approved By: \_\_\_\_\_ Date: \_\_\_\_\_

Title: \_\_\_\_\_

<b>Report selections:</b>	<b>Job:</b> 17010	<b>Superintendent:</b> ALL	<b>From transaction date:</b> Inception
	<b>Phase:</b> CO052	<b>Estimator:</b> ALL	<b>To transaction date:</b> 05/10/19
	<b>Employee:</b> ALL	<b>Project manager:</b> ALL	
	<b>Job status:</b> Active	<b>Division:</b> ALL	

**MOUNTAIN STATES ELECTRICAL  
Payroll Hours Analysis Report  
Phase Detail**

Job: 17010 CDA TERTIARY TREATMENT

Employee Code	Employee Name	Hours			Earnings			Burden Total
		Regular	Overtime	Total	Regular	Overtime	Total	
CO-052	RFI 127 P-001-01 SEAL FAI							
EHDWAH	EHDWAH		2.00	2.00				
OMASEA	SEAN M OMALLEY		5.00	5.00				
<b>Total for phase: CO-052</b>			<b>7.00</b>	<b>0.00</b>	<b>7.00</b>			
<b>Total for job: 17010</b>			<b>7.00</b>	<b>0.00</b>	<b>7.00</b>			
<b>Report totals:</b>			<b>7.00</b>	<b>0.00</b>	<b>7.00</b>			



**TIME and MATERIAL COST**Request No: 59  
Date Of Proposal: 5/10/2019To: CITY OF CDA - WWTP  
Job #: 17-010  
Regarding: DEWATERING FLOATS  
Attention: \_\_\_\_\_  
Work To Be Done: \_\_\_\_\_Job Name: CDA TERTIARY TREATMENT PHASE 2PER DIRECTION PROVIDE ISR J-BOX FOR DEWATERING FLOATS**LABOR CLASSIFICATION**

	RATES			HOURS			EXTENDED
	STRAIGHT	OVERTIME	DBL TIME	STRAIGHT	OVERTIME	DOUBLE TIME	
FOREMAN	\$ 70.99	\$ 95.14	\$ 119.29	4.00			\$ 283.96
JOURNEYMAN	\$ 66.50	\$ 88.47	\$ 110.40				\$ -
APPRENTICE	\$ 41.14	\$ 64.50	\$ 90.55				\$ -
PROJECT MANAGER	\$ 85.00						\$ -
LABOR SUB TOTAL							\$ 283.96

**EQUIPMENT**

COST + 15%	RATES				QUANTITY	EXTENDED
	HOUR	DAY	WEEK	MONTH		
TOOL SUB TOTAL						\$ -

**MATERIAL**

COST + 15%	EXTENDED	
J-BOX AND CONDUIT FITTINGS	\$ 204.32	
MATERIAL SUB TOTAL		\$ 234.97

**SUB-CONTRACTOR**

COST + 5%	EXTENDED	
SUB-CONTRACTOR SUB TOTAL		\$ -

**Total Proposed Change Order price: \$ 518.93**Submitted By: DAVE PERRINS, Project Manager Date: 5/10/2019

Approved By: \_\_\_\_\_ Date: \_\_\_\_\_

Title: \_\_\_\_\_



Report selections:	Job: 17010	Superintendent: ALL	From transaction date: Inception
	Phase: CO059	Estimator: ALL	To transaction date: 05/10/19
	Employee: ALL	Project manager: ALL	
	Job status: Active	Division: ALL	

**MOUNTAIN STATES ELECTRICAL  
Payroll Hours Analysis Report  
Phase Detail**

Job: 17010 CDA TERTIARY TREATMENT

Employee Code	Employee Name	Hours			Earnings			Burden Total
		Regular	Overtime	Total	Regular	Overtime	Total	
CO-059	ISR J-BOX FLOATS							
OMASEA	SEAN M OMALLEY	4.00		4.00				
<b>Total for phase: CO-059</b>		<b>4.00</b>	<b>0.00</b>	<b>4.00</b>				
<b>Total for job: 17010</b>		<b>4.00</b>	<b>0.00</b>	<b>4.00</b>				
<b>Report totals:</b>		<b>4.00</b>	<b>0.00</b>	<b>4.00</b>				



Date of Issuance: 06/10/19 Effective Date: 06/10/19  
 Owner: City of Coeur d'Alene, ID Owner's Contract No.:  
 Contractor: Apollo Contractor's Project No.:  
 Engineer: HDR Engineer's Project No.: 10026247  
 Project: CDA Tertiary Phase 2 Improvements Contract Name:

**Contractor is directed to proceed promptly with the following change(s):**

- 1) Install two (2) Intrinsically Safe Relays (ISRs) in NEMA 1 enclosure adjacent to LCP-5001.
- 2) Pull and wire two (2) ISRs with two (4) #14AWG, #14 AWG GND per ISR from the field devices to LCP-5001 for the Dewatering Pumps.

Attachments:

None

**Purpose for Work Change Directive:**

Directive to proceed promptly with the Work described herein, prior to agreeing to changes on Contract Price and Contract Time, is issued due to:

- Non-agreement on pricing of proposed change.  
 Necessity to proceed for schedule or other Project reasons.




**Estimated Change in Contract Price and Contract Times (non-binding, preliminary):**

Contract Price \$ TBD increase  
 Contract Time 0 days

**Basis of estimated change in Contract Price:**

- Lump Sum  Unit Price  
 Cost of the Work  Other

**RECOMMENDED:****AUTHORIZED BY:****RECEIVED:**

By:  _____ Engineer (Authorized Signature) Title: Project Manager Date: 06/10/2019	By:  _____ Owner (Authorized Signature) Title: Cap. Program Mgr. Date: 6-10-2019	By:  _____ Contractor (Authorized Signature) Title: VP Date: 6/14/19
---	---	---

WCD 063

MISCELLANEOUS POLYMER SYSTEM ELECTRICAL WORK



July 15, 2019

Apollo, Inc.  
1133 West Columbia Drive  
Kennewick, WA 99336

Attn: Amy Jenne

Re: Coeur d'Alene Tertiary Treatment Phase 2 Project  
WCD 063 – Miscellaneous Polymer System Electrical Work  
Engineer's Decision

Amy,

We have reviewed your cost proposal for WCD 063 – Miscellaneous Polymer System Electrical Work. We have found your submitted cost proposal to be acceptable.

A total cost of \$7,860.12 and a total of 0 calendar days will be included in the forthcoming final Change Order.

Sincerely,  
HDR Engineering, Inc.

A handwritten signature in blue ink, appearing to read 'Todd Jensen'.

Todd Jensen, PE, CCM  
*Construction Manager*

cc: Mike Anderson – City of Coeur d'Alene Wastewater Department  
Rickey Schultz – HDR  
Mike Soucie – HDR  
Mary Scalise – HDR





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**Work Change Directive**  
 Project: City of Coeur d'Alene Tertiary Treatment Phase 2  
 Apollo Inc.

WCD No: 63  
 Date: 06/14/19

Description	Labor	Mat	Equip.	Subcont. Total	Supp Total	Total
Polymer System Mods	\$ 779.98	\$ -	\$ -	\$ 6,983.11	\$ -	\$ 7,763.09
<b>SUBTOTAL COST &gt;</b>						<b>\$ 7,763.09</b>
Insurance Premium .5% - Changed Work >						\$ 38.82
Bond Premium .75% - Changed Work >						\$ 58.22
<b>TOTAL LUMP SUM COST &gt;</b>						<b>\$ 7,860.12</b>

**Work Change Directive**  
**Project: City of Coeur d'Alene Tertiary Treatment Phase 2**  
**Apollo Inc.**

**WCD No:** 63  
**Item No:** 1  
**Date:** 6/14/19

*Item Description: Polymer System Mods*

Description	Qty	U of M	Rate	Labor	Unit	Rate	Mat	Unit	Rate	Equip.	Subcont. Total	Total
<b>APOLLO - PROJECT SUPERVISION COSTS</b>												
Project Manager	4.0	HR	\$ 90.00	\$ 360.00								\$ 360.00
Project Superintendent	4.0	HR	\$ 79.56	\$ 318.24								\$ 318.24
Site Civil Superintendent	0.0	HR	\$ 68.08	\$ -								\$ -
							\$ -					\$ -
Apollo - Subtotal Direct Costs >				\$ 678.24			\$ -			\$ -		\$ 678.24
Markup on Self-Performed Labor, Mat'ls & Equipment >	15.0%			\$ 101.74			\$ -			\$ -		\$ 101.74
<b>SUBCONTRACTOR COSTS</b>												
Mountain States Electric	1.0										\$ 6,650.58	\$ 6,650.58
Subtotal Subcontractors Costs >											\$ 6,650.58	\$ 6,650.58
Markup on Subcontractor Costs >	5.0%										\$ 332.53	\$ 332.53
<b>SUPPLEMENTAL COSTS</b>												
Special Consultants											\$ -	\$ -
Subsistance for Project Supervision					HR	\$ 11.25	\$ -					\$ -
Temporary Facilities at the Site					LS		\$ -					\$ -
Small Tools	0.0				LS	\$ -	\$ -					\$ -
Subtotal Supplementary Costs >							\$ -				\$ -	\$ -
Markup on Supplementary Costs >	0.0											\$ -

<b>Contractor - Total Direct Costs w/Markup &gt;</b>	<b>\$ 7,763.09</b>
Insurance Premium .5% - Changed Work >	\$ 38.82
Bond Premium .75% - Changed Work >	\$ 58.22
<b>TOTAL LUMP SUM COST &gt;</b>	<b>\$ 7,860.12</b>



**TIME and MATERIAL COST**

Request No: 37

To: CITY OF CDA - WWTP

Date Of Proposal: 5/10/2019

Job #: 17-010

Regarding: LE-501-61

Job Name: CDA TERITARY TREATMENT PHASE 2

Attention: \_\_\_\_\_

Work To Be Done: PER DIRECTION, ADD LE/LIT-501-61

\_\_\_\_\_

\_\_\_\_\_

\_\_\_\_\_

\_\_\_\_\_

\_\_\_\_\_

\_\_\_\_\_

<b>LABOR CLASSIFICATION</b>	<b>RATES</b>			<b>HOURS</b>			<b>EXTENDED</b>
	STRAIGHT	OVERTIME	DBL TIME	STRAIGHT	OVERTIME	DOUBLE TIME	
FOREMAN	\$ 70.99	\$ 95.14	\$ 119.29	15.00			\$ 1,064.85
JOURNEYMAN	\$ 66.50	\$ 88.47	\$ 110.40	6.00			\$ 399.00
APPRENTICE	\$ 41.14	\$ 64.50	\$ 90.55				\$ -
PROJECT MANAGER	\$ 85.00						\$ -
<b>LABOR SUB TOTAL</b>							<b>\$ 1,463.85</b>

<b>EQUIPMENT</b>	<b>RATES</b>				<b>EXTENDED</b>
	HOUR	DAY	WEEK	MONTH	
COST + 15%					
<b>TOOL SUB TOTAL</b>					<b>\$ -</b>

<b>MATERIAL</b>	<b>EXTENDED</b>	
COST + 15%		
<b>MATERIAL SUB TOTAL</b>		<b>\$ -</b>

<b>SUB-CONTRACTOR</b>	<b>EXTENDED</b>	
COST + 5%		
CONTROL FREEK - LEVEL SENSOR	\$ 2,890.00	
<b>SUB-CONTRACTOR SUB TOTAL</b>		<b>\$ 3,034.50</b>

**Total Proposed Change Order price: \$ 4,498.35**

Submitted By: DAVE PERRINS, Project Manager Date: 5/10/2019

Approved By: \_\_\_\_\_ Date: \_\_\_\_\_

Title: \_\_\_\_\_

<b>Report selections:</b>	<b>Job:</b> 17010	<b>Superintendent:</b> ALL	<b>From transaction date:</b> Inception
	<b>Phase:</b> CO037	<b>Estimator:</b> ALL	<b>To transaction date:</b> 05/10/19
	<b>Employee:</b> ALL	<b>Project manager:</b> ALL	
	<b>Job status:</b> Active	<b>Division:</b> ALL	

**MOUNTAIN STATES ELECTRICAL  
Payroll Hours Analysis Report  
Phase Detail**

**Job: 17010 CDA TERTIARY TREATMENT**

Employee Code	Employee Name	Hours			Earnings			Burden Total
		Regular	Overtime	Total	Regular	Overtime	Total	
CO-037	LE-501-61							
EHDWAH	EHD OH WAH	6.00		6.00				
MCCPET	PETE MCCLURE	5.00		5.00				
OMASEA	SEAN M OMALLEY	9.00		9.00				
<b>Total for phase: CO-037</b>		<b>20.00</b>	<b>0.00</b>	<b>20.00</b>				
<b>Total for job: 17010</b>		<b>20.00</b>	<b>0.00</b>	<b>20.00</b>				
<b>Report totals:</b>		<b>20.00</b>	<b>0.00</b>	<b>20.00</b>				

# CONTROLFREEK INC

PO Box 142192  
SPOKANE VALLEY, WA 99214

# INVOICE

DATE	INVOICE #
10/15/2018	3382

PHONE 509.290.6500

FAX 866.381.3007

MANDIE@CONTROLFREEK.COM

WWW.CONTROLFREEK.COM

BILL TO  
MOUNTAIN STATES ELECTRIC INC  
PO Box 4325  
SPOKANE, WA 99220

PHYSICAL LOCATION:  
11616 E MONTOMERY DR. STE 4  
SPOKANE VALLEY, WA 99206

PROUDLY MADE  
IN THE  
UNITED STATES OF AMERICA

...2017 MARKED 10 YEARS IN BUSINESS...  
THANK YOU!

P.O. No.	TERMS
CDA WWTP	NET 30

DESCRIPTION	AMOUNT
CDA WWTP CHANGE ORDER - #37 CLASS 1/DIV 1 ULTRASONIC LEVEL SENSOR  17-010- CO 37	2,890.00

PROGRESS BILLING

TOTAL

\$2,890.00

FEDERAL ID 20-8169435

170208 C...





**TIME and MATERIAL COST**

Request No: 42

To: CITY OF CDA - WWTP

Date Of Proposal: 5/10/2019

Job #: 17-010

Regarding: SOLIDS POLY MIXER

Job Name: CDA TERITARY TREATMENT PHASE 2

Attention: \_\_\_\_\_

Work To Be Done: PER DIRECTION MAKE CHANGES TO SOLDIS POLYMER MIXER

\_\_\_\_\_

\_\_\_\_\_

\_\_\_\_\_

\_\_\_\_\_

\_\_\_\_\_

\_\_\_\_\_

LABOR CLASSIFICATION	RATES			HOURS			EXTENDED
	STRAIGHT	OVERTIME	DBL TIME	STRAIGHT	OVERTIME	DOUBLE TIME	
FOREMAN	\$ 70.99	\$ 95.14	\$ 119.29	6.00			\$ 425.94
JOURNEYMAN	\$ 66.50	\$ 88.47	\$ 110.40	8.50			\$ 565.25
APPRENTICE	\$ 41.14	\$ 64.50	\$ 90.55				\$ -
PROJECT MANAGER	\$ 85.00						\$ -
LABOR SUB TOTAL							\$ 991.19

EQUIPMENT COST + 15%	RATES				QUANTITY	EXTENDED
	HOUR	DAY	WEEK	MONTH		
TOOL SUB TOTAL						\$ -

MATERIAL COST + 15%	EXTENDED	
MATERIAL SUB TOTAL		\$ -

SUB-CONTRACTOR COST + 5%	EXTENDED	
SUB-CONTRACTOR SUB TOTAL		\$ -

**Total Proposed Change Order price: \$ 991.19**

Submitted By: DAVE PERRINS, Project Manager Date: 5/10/2019

Approved By: \_\_\_\_\_ Date: \_\_\_\_\_

Title: \_\_\_\_\_

<b>Report selections:</b>	<b>Job:</b> 17010	<b>Superintendent:</b> ALL	<b>From transaction date:</b> Inception
	<b>Phase:</b> CO042	<b>Estimator:</b> ALL	<b>To transaction date:</b> 05/10/19
	<b>Employee:</b> ALL	<b>Project manager:</b> ALL	
	<b>Job status:</b> Active	<b>Division:</b> ALL	

**MOUNTAIN STATES ELECTRICAL  
Payroll Hours Analysis Report  
Phase Detail**

Job: 17010 CDA TERTIARY TREATMENT

Employee Code	Employee Name	Hours			Earnings			Burden Total
		Regular	Overtime	Total	Regular	Overtime	Total	
CO-042	SOLIDS BLD POLY MIXER							
JUDADA	ADAM T JUDGE		8.50					8.50
MCCPET	PETE MCCLURE		6.00					6.00
<b>Total for phase: CO-042</b>			<b>14.50</b>	<b>0.00</b>				<b>14.50</b>
<b>Total for job: 17010</b>			<b>14.50</b>	<b>0.00</b>				<b>14.50</b>
<b>Report totals:</b>			<b>14.50</b>	<b>0.00</b>				<b>14.50</b>



**TIME and MATERIAL COST**

Request No: 52

Date Of Proposal: 5/10/2019

To: CITY OF CDA - WWTP

Job #: 17-010

Regarding: RFI 127

Job Name: CDA TERITARY TREATMENT PHASE 2

Attention: \_\_\_\_\_

Work To Be Done:

PER RFI 127 PROVIDE / INSTALL SEAL FAIL RELAYS FOR P-001-01

<u>LABOR CLASSIFICATION</u>	<u>RATES</u>			<u>HOURS</u>			<u>EXTENDED</u>
	STRAIGHT	OVERTIME	DBL TIME	STRAIGHT	OVERTIME	DOUBLE TIME	
FOREMAN	\$ 70.99	\$ 95.14	\$ 119.29	5.00			\$ 354.95
JOURNEYMAN	\$ 66.50	\$ 88.47	\$ 110.40	2.00			\$ 133.00
APPRENTICE	\$ 41.14	\$ 64.50	\$ 90.55				\$ -
PROJECT MANAGER	\$ 85.00						\$ -
<b>LABOR SUB TOTAL</b>							<b>\$ 487.95</b>

<u>EQUIPMENT</u>	<u>RATES</u>				<u>QUANTITY</u>	<u>EXTENDED</u>
	HOUR	DAY	WEEK	MONTH		
COST + 15%						
<b>TOOL SUB TOTAL</b>						<b>\$ -</b>

<u>MATERIAL</u>	<u>EXTENDED</u>	
COST + 15%		
RELAY, BASE, INDICATOR LIGHT	\$ 134.05	
<b>MATERIAL SUB TOTAL</b>		<b>\$ 154.16</b>

<u>SUB-CONTRACTOR</u>	<u>EXTENDED</u>	
COST + 5%		
<b>SUB-CONTRACTOR SUB TOTAL</b>		<b>\$ -</b>

**Total Proposed Change Order price: \$ 642.11**

Submitted By: DAVE PERRINS, Project Manager Date: 5/10/2019

Approved By: \_\_\_\_\_ Date: \_\_\_\_\_

Title: \_\_\_\_\_

<b>Report selections:</b>	<b>Job:</b> 17010	<b>Superintendent:</b> ALL	<b>From transaction date:</b> Inception
	<b>Phase:</b> CO052	<b>Estimator:</b> ALL	<b>To transaction date:</b> 05/10/19
	<b>Employee:</b> ALL	<b>Project manager:</b> ALL	
	<b>Job status:</b> Active	<b>Division:</b> ALL	

**MOUNTAIN STATES ELECTRICAL  
Payroll Hours Analysis Report  
Phase Detail**

Job: 17010 CDA TERTIARY TREATMENT

Employee Code	Employee Name	Hours			Earnings			Burden Total
		Regular	Overtime	Total	Regular	Overtime	Total	
CO-052	RFI 127 P-001-01 SEAL FAI							
EHDWAH	EHDOH WAH		2.00	2.00				
OMASEA	SEAN M OMALLEY		5.00	5.00				
<b>Total for phase: CO-052</b>			<b>7.00</b>	<b>0.00</b>	<b>7.00</b>			
<b>Total for job: 17010</b>			<b>7.00</b>	<b>0.00</b>	<b>7.00</b>			
<b>Report totals:</b>			<b>7.00</b>	<b>0.00</b>	<b>7.00</b>			







**TIME and MATERIAL COST**

Request No: 59

Date Of Proposal: 5/10/2019

To: CITY OF CDA - WWTP

Job #: 17-010

Regarding: DEWATERING FLOATS

Job Name: CDA TERITARY TREATMENT PHASE 2

Attention: \_\_\_\_\_

Work To Be Done: PER DIRECTION PROVIDE ISR J-BOX FOR DEWATERING FLOATS

\_\_\_\_\_

\_\_\_\_\_

\_\_\_\_\_

\_\_\_\_\_

\_\_\_\_\_

\_\_\_\_\_

<u>LABOR CLASSIFICATION</u>	<u>RATES</u>			<u>HOURS</u>			<u>EXTENDED</u>
	STRAIGHT	OVERTIME	DBL TIME	STRAIGHT	OVERTIME	DOUBLE TIME	
FOREMAN	\$ 70.99	\$ 95.14	\$ 119.29	4.00			\$ 283.96
JOURNEYMAN	\$ 66.50	\$ 88.47	\$ 110.40				\$ -
APPRENTICE	\$ 41.14	\$ 64.50	\$ 90.55				\$ -
PROJECT MANAGER	\$ 85.00						\$ -
<b>LABOR SUB TOTAL</b>							<b>\$ 283.96</b>

<u>EQUIPMENT</u>	<u>RATES</u>				<u>QUANTITY</u>	<u>EXTENDED</u>
	HOUR	DAY	WEEK	MONTH		
COST + 15%						
<b>TOOL SUB TOTAL</b>						<b>\$ -</b>

<u>MATERIAL</u>	<u>EXTENDED</u>	
COST + 15%		
J-BOX AND CONDUIT FITTINGS	\$ 204.32	
<b>MATERIAL SUB TOTAL</b>		<b>\$ 234.97</b>

<u>SUB-CONTRACTOR</u>	<u>EXTENDED</u>	
COST + 5%		
<b>SUB-CONTRACTOR SUB TOTAL</b>		<b>\$ -</b>

**Total Proposed Change Order price: \$ 518.93**

Submitted By: DAVE PERRINS, Project Manager Date: 5/10/2019

Approved By: \_\_\_\_\_ Date: \_\_\_\_\_

Title \_\_\_\_\_

<b>Report selections:</b>	<b>Job:</b> 17010	<b>Superintendent:</b> ALL	<b>From transaction date:</b> Inception
	<b>Phase:</b> CO059	<b>Estimator:</b> ALL	<b>To transaction date:</b> 05/10/19
	<b>Employee:</b> ALL	<b>Project manager:</b> ALL	
	<b>Job status:</b> Active	<b>Division:</b> ALL	

**MOUNTAIN STATES ELECTRICAL  
Payroll Hours Analysis Report  
Phase Detail**

Job: 17010 CDA TERTIARY TREATMENT

Employee Code	Employee Name	Hours			Earnings			Burden Total
		Regular	Overtime	Total	Regular	Overtime	Total	
CO-059	ISR J-BOX FLOATS							
OMASEA	SEAN M O'MALLEY	4.00		4.00				
<b>Total for phase: CO-059</b>		<b>4.00</b>	<b>0.00</b>	<b>4.00</b>				
<b>Total for job: 17010</b>		<b>4.00</b>	<b>0.00</b>	<b>4.00</b>				
<b>Report totals:</b>		<b>4.00</b>	<b>0.00</b>	<b>4.00</b>				



Date of Issuance: 06/14/2019 Effective Date: 06/14/2019  
 Owner: City of Coeur d'Alene, ID Owner's Contract No.:  
 Contractor: Apollo Contractor's Project No.:  
 Engineer: HDR Engineer's Project No.: 10026247  
 Project: CDA Tertiary Phase 2 Improvements Contract Name:

**Contractor is directed to proceed promptly with the following change(s):**Description: Miscellaneous Polymer System Electrical Work:

- 1) Trace and remove existing conductors in existing raceway routed from the main floor Solids Building polymer room upstairs to LCP-7501.
- 2) Install two (2) #14 AWG, one (1) #14 AWG GND from LCP-7501 (Enable Command, Digital Output), through existing conduit to polymer skid location.
- 3) Install FLEX-LT from end of existing conduit to polymer skid electrical enclosure.
- 4) Terminate control wiring on polymer electrical terminals labeled "System Enable A/B".

Attachments:

- 1) None

**Purpose for Work Change Directive:**

Directive to proceed promptly with the Work described herein, prior to agreeing to changes on Contract Price and Contract Time, is issued due to:

- Non-agreement on pricing of proposed change.  
 Necessity to proceed for schedule or other Project reasons.




**Estimated Change in Contract Price and Contract Times (non-binding, preliminary):**

Contract Price \$ TBD increase  
 Contract Time 0 days

**Basis of estimated change in Contract Price:**

- Lump Sum  Unit Price  
 Cost of the Work  Other

**RECOMMENDED:****AUTHORIZED BY:****RECEIVED:**

By:  _____ Engineer (Authorized Signature) Title: Project Manager Date: 06/14/19	By:  _____ Owner (Authorized Signature) Title: Cap. Program Mgr. Date: 6-17-2019	By:  _____ Contractor (Authorized Signature) Title: VP Date: 6/17/19
---	--	---

WCD 064

LANDSCAPING CHANGES





September 9, 2019

Apollo, Inc.  
1133 West Columbia Drive  
Kennewick, WA 99336

Attn: Amy Jenne

Re: Coeur d'Alene Tertiary Treatment Phase 2 Project  
WCD 064 – Landscaping Changes  
Engineer's Decision

Amy,

We have reviewed your cost proposal for WCD 064 – Landscaping Changes. We have found your submitted cost proposal to be acceptable.

A total cost of \$13,837.91 and a total of 0 calendar days will be included in the forthcoming final Change Order.

Sincerely,  
HDR Engineering, Inc.

A handwritten signature in blue ink, appearing to read 'Todd Jensen'.

Todd Jensen, PE, CCM  
*Construction Manager*

cc: Mike Anderson – City of Coeur d'Alene Wastewater Department  
Rickey Schultz – HDR  
Mike Soucie – HDR  
Mary Scalise – HDR



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**Work Change Directive**  
**Project: City of Coeur d'Alene Tertiary Treatment Phase 2**  
**Apollo Inc.**

**WCD No:** 64

**Date:** 09/09/19

Description	Labor	Mat	Equip.	Subcont. Total	Supp Total	Total
Landscaping Changes	\$ 6,735.92	\$ 446.78	\$ 4,508.66	\$ 1,575.00	\$ 400.72	\$ 13,667.07
<b>SUBTOTAL COST &gt;</b>						<b>\$ 13,667.07</b>
Insurance Premium .5% - Changed Work >						\$ 68.34
Bond Premium .75% - Changed Work >						\$ 102.50
<b>TOTAL LUMP SUM COST &gt;</b>						<b>\$ 13,837.91</b>

Work Change Directive  
 Project: City of Coeur d'Alene Tertiary Treatment Phase 2  
 Apollo Inc.

WCD No: 64  
 Item No: 1  
 Date: 9/9/19

Item Description: Landscaping Changes

Description	Qty	U of M	Rate	Labor	Unit	Rate	Mat	Unit	Rate	Equip.	Subcont. Total	Total
<b>APOLLO - PROJECT SUPERVISION COSTS</b>												
Project Manager	4.0	HR	\$ 90.00	\$ 360.00								\$ 360.00
Project Superintendent	0.0	HR	\$ 79.56	\$ -								\$ -
Mechanical/Site Superintendent	20.0	HR	\$ 68.08	\$ 1,361.60								\$ 1,361.60
<b>APOLLO - CRAFT LABOR COSTS</b>												
<b>Laborers</b>												
General	80.0	HR	\$ 34.36	\$ 2,748.80								\$ 2,748.80
General (Install Parking Bumpers)	-13.0	HR	\$ 34.36	\$ (446.68)								\$ (446.68)
<b>Pipefitter</b>												
Remove Valves Pipefitter	0.0	HR	\$ 60.93	\$ -								\$ -
Install Valves Pipefitter	0.0	HR	\$ 60.93	\$ -								\$ -
<b>APOLLO - OPERATED EQUIPMENT</b>												
<b>Backhoe - CAT 416C IT</b>												
+ Operator		HR		\$ -								\$ -
+ Operating Costs	0.0							HRLY	\$ 23.00	\$ -		\$ -
<b>Crane - Manitowoc 222</b>												
+ Operator	0.0	HR	\$ 47.41	\$ -								\$ -
+ Operating Costs	0.0							HRLY	\$ 71.10	\$ -		\$ -
<b>Excavator - CAT 303</b>												
+ Operator		HR	\$ 45.84	\$ -								\$ -
+ Operating Costs	30.0							HRLY	\$ 19.42	\$ 582.60		\$ 582.60
<b>Loader - CAT 950H</b>												
+ Operator	40.0	HR	\$ 45.84	\$ 1,833.60								\$ 1,833.60
+ Operating Costs	40.0							HRLY	\$ 73.23	\$ 2,929.20		\$ 2,929.20
<b>APOLLO - OTHER EQUIPMENT COSTS</b>												
Saw (Sunbelt)	1.0							LS	\$ 220.93	\$ 220.93		\$ 220.93
Jumping Jack (Sunbelt)	1.0							LS	\$ 163.34	\$ 163.34		\$ 163.34
Plate Wacker (Sunbelt)	1.0							LS	\$ 24.50	\$ 24.50		\$ 24.50
<b>APOLLO - MATERIAL COSTS</b>												
HDF (Fabric & Edging)	1.0				LS	\$ 730.38	\$ 730.38					\$ 730.38
Round Rock	1.0				LS	\$ 571.93	\$ 571.93					\$ 571.93
3/4" Minus Rock	1.0				LS	\$ 522.81	\$ 522.81					\$ 522.81
Misc. Pipe Materials	1.0				LS	\$ 100.00	\$ 100.00					\$ 100.00
Sidewalk Concrete	1.0				LS	\$ 568.38	\$ 568.38					\$ 568.38
Wheel Stops	1.0				LS	\$ (1,105.00)	\$ (1,105.00)					\$ (1,105.00)
Hydroseed (.5 Acre)	0.5				AC	\$ (2,000.00)	\$ (1,000.00)					\$ (1,000.00)
Apollo - Subtotal Direct Costs >				\$ 5,857.32			\$ 388.50			\$ 3,920.57		\$ 10,166.39
Markup on Self-Performed Labor, Mat'ls & Equipment >	15.0%			\$ 878.60			\$ 58.28			\$ 588.09		\$ 1,524.96
<b>SUBCONTRACTOR COSTS</b>												
Five Star	1										\$ 1,500.00	\$ 1,500.00
											\$ -	\$ -
Subtotal Subcontractors Costs >											\$ 1,500.00	\$ 1,500.00
Markup on Subcontractor Costs >	5.0%										\$ 75.00	\$ 75.00
<b>SUPPLEMENTAL COSTS</b>												
Special Consultants											\$ -	\$ -
Subsistence for Project Supervision	20.0				HR	\$ 11.25	\$ 225.00					\$ 225.00
Temporary Facilities at the Site					LS		\$ -					\$ -
Small Tools	1.0				LS	\$ 175.72	\$ 175.72					\$ 175.72
Subtotal Supplementary Costs >							\$ 400.72				\$ -	\$ 400.72
Markup on Supplementary Costs >	0.0											\$ -

Contractor - Total Direct Costs w/Markup >	\$ 13,667.07
Insurance Premium .5% - Changed Work >	\$ 68.34
Bond Premium .75% - Changed Work >	\$ 102.50
<b>TOTAL LUMP SUM COST &gt;</b>	<b>\$ 13,837.91</b>



...Building People Who Build Great Things

## Daily Report of Force Account Worked

Contract Number	Date	Item Number	Item Name
	7-1 thru 7-11		Landscape Changes
Prime Contractor		Subcontractor / Lower Tier Subcontractor	
Apollo INC.			
Line / Station	Group	Basis of Material Acceptance	RAMS Number
Description of Work Performed			
Place 3" minus around PC# 3, 2, 1 and Trickie filter			

Time Worked Record							
	Workers and/or Equipment Working	Occupation of Workers or Equipment Size	Hours Worked		Reg. Rate	O.T. Rate	Amount
			Reg.	O.T.			
1	Kyle Starks	Operator (Loader)	30				
2	Al Pino	Laborer (concrete)	70				
3	Tony DeWine	Super	20				
4							
5	<del>HD Fowler: *</del>						
6	(2) Rolls of landscape fabric						
7	(300LF) PVC Edging						
8	(3) Loads of 3" minus						
9	(2) Loads 3/4" crushed						
10	<del>CAT Rental Equipment *</del>						
11	938 Loader						
12	305 EX						
13							
14	<del>Owned Equipment *</del>						
15	skid steer						
16							
17							
18							
19							
20							
Calculated By		Date	Checked By		Date	Total	

Ledger Entry Number	Entered By	Date	Entry Verified	Date
	Antonio DeWine	7/11/19		
Inspector's Signature		Contractor's Representative Signature		Title
				Super





Contract Number	Date	Item Number	Item Name
	6-24-19		CPR 33
Prime Contractor		Subcontractor / Lower Tier Subcontractor	
Line / Station	Group	Basis of Material Acceptance	RAMS Number
Description of Work Performed			
Missed irrigation tie over			

Time Worked Record							
	Workers and/or Equipment Working	Occupation of Workers or Equipment Size	Hours Worked		Reg. Rate	O.T. Rate	Amount
			Reg.	O.T.			
1	Kyle Stark	Operator Loader	10				
2	Al Pino	Laborer (concrete)	10				
3							
4	CAT Rentals						
5	305 mini EX						
6							
7	SUN belt						
8	walk behind saw						
9	Jumping Jack						
10	200lb plate wacker.						
11							
12	HD Fowlee						
13	Misc 2" sch 80 PVC						
14							
15	Inter state PAVE.						
16							
17							
18							
19							
20							
Calculated By		Date	Checked By		Date	Total	

Ledger Entry Number	Entered By	Date	Entry Verified	Date

Inspector's Signature	Contractor's Representative Signature	Title





REMIT: PO Box 84368, Seattle, WA 98124

**Invoice Number** **15190994**

HAWH  
# 015290

**Corporate Office**  
3633 136th Pl SE, Ste 100, Bellevue, WA 98006  
PO Box 160, Bellevue, WA 98009-0160  
Phone 425-654-8800 \* Fax 425-641-8885

**Hayden Branch**  
1841 W Hayden Ave  
Hayden, ID 83835  
(208) 772-9060 Fax (208) 772-9478

<b>To:</b> APOLLO INC Attn: Accounts Payable PO Box 7305 KENNEWICK WA 99336-0617	<b>Ship to:</b> 915 HUBBARD AVE COEUR D'ALENE ID 83814		
	<b>Order#</b> O6338613	<b>Inv Date:</b> 06/25/19	<b>Order Writer:</b> Bones Haller

<b>Terms:</b> 10P+30 <b>FOB:</b> H. D. FOWLER COMPANY	<b>Due:</b> 08/10/19 <b>Ship Via:</b> OUR TRUCK	<b>PO/JOB:</b> P162 P162 TERTIARY TREATMENT PHASE
--	--	--

Line	Qty Ship'd	Qty BO'd	UoM	Part # Description	Unit Price	Extended Price	T X
29	20		EA	5" X 20' PROFESSIONAL GRADE POLYETHYLENE LAWN EDGING, INCLUDES 4 STAKES AND 1 CONNECTOR	15.45	309.00	
						<b>Sub total</b> <b>Freight</b> <b>Tax</b> <b>Grand Total</b>	<del>610.96</del>  610.96

**\*\* New Remittance Address \*\***  
PO Box 84368, Seattle, WA 98124-5668

EFT Routing: 121000248  
EFT Bank No: 418 545 3362



REMIT: PO Box 84368, Seattle, WA 98124

**Invoice Number** **I5185109**

PSWH  
# 015290

**Corporate Office**  
3633 136th Pl SE, Ste 100, Bellevue, WA 98006  
PO Box 160, Bellevue, WA 98009-0160  
Phone 425-654-8800 \* Fax 425-641-8885

**Pasco Branch**  
1336 Dietrich Rd  
Pasco, WA 99301  
(509) 545-0255 Fax (509) 545-0299

<b>To:</b> APOLLO INC Attn: Accounts Payable PO Box 7305 KENNEWICK WA 99336-0617	<b>Ship to:</b> 915 HUBBARD AVE COEUR D'ALENE ID 83814	
	<b>Order#</b> O6329150	<b>Inv Date:</b> 06/19/19
<b>Terms:</b> 10P+30 <b>FOB:</b> JOBSITE	<b>Due:</b> 08/10/19 <b>Ship Via:</b> misc LTL carrier	<b>PO/JOB:</b> FABRIC P162 TERTIARY TREATMENT PHASE

Line	Qty Ship'd	Qty BO'd	UoM	Part # Description	Unit Price	Extended Price	T X
1	1		RL	12' X 250' WOVEN WEED BARRIER 4.8 OZ PURPLE STRIPE PRO PLATINUM 333 SQ YD 46595 HANES	421.38	421.38	
2	1		EA	OUTBOUND FREIGHT CHARGE	- INC -		
						Sub total	421.38
						Freight	
						Tax	
						<b>Grand Total</b>	<b>421.38</b>

**\*\* New Remittance Address \*\***  
PO Box 84368, Seattle, WA 98124-5668

EFT Routing: 121000248  
EFT Bank No: 418 545 3362

tony d



8849 W Wyoming Rd  
Rathdrum, ID 83850

Customer No: 10358  
 Invoice No: 442725  
 Inv Date: 07/02/19  
 Page: Page 1 of 1  
 Customer Job: SIDEWALK

Apollo Inc.-East  
 AP Megan megan.sibley@apollo-gc.com  
 PO Box 7305  
 Kennewick WA 99336  
 incap@apollo-gc.com

Interstate Concrete & Asphalt  
 8849 W Wyoming Rd  
 Rathdrum, ID 83858  
 208-765-1144

Delivered To: 765 W HUBBARD AVE - CDA

Ordered By: TONY

Date	Code	Material Description	QTY	UM	Unit Price	Haul QTY	Matl Total	Haul Total	Tax	Total
<b>Plant: 05709 ICA-CDA-Wyomng Rd/Rath Concret</b>										
07/02/19	306567	- 6 5 SK 3/4" EXTERIOR, WRA	4.50	CY	89.95	0.00	404.78	0.00	24.29	429.07
07/02/19	467755	- FUEL SURCHARGE	1.00	EA	0.00	0.00	0.00	0.00	0.00	0.00
07/02/19	467000	- ENVIRONMENTAL SURCHARGE	4.50	EA	3.00	0.00	13.50	0.00	0.81	14.31
07/02/19	487960	- SHORT LOAD CHARGE - CONCRETE	1.00	EA	125.00	0.00	125.00	0.00	0.00	125.00
07/02/19	487956	- STAND BY TIME - MIXER	58.00	MIN	0.00	0.00	0.00	0.00	0.00	0.00
<b>Total Invoice:</b>			<b>89.00</b>				<b>543.28</b>	<b>0.00</b>	<b>25.10</b>	<b>568.38</b>

Ticket number(s) shipped from plant 05709 - ICA-CDA-Wyomng Rd/Rath Concret  
 \*3492479

Invoice Taxing Authority Summary:

ID0000 Idaho State Tax 25.10

Our Customer Portal is now available! Register at MYMATERIALSPORTAL.COM or call accounts receivable at (509) 534-6221 for assistance.

Finance Charges will be applied to any late invoices at a rate of 1.5% per month per credit agreement or the State's Lawful Amount

Invoice Amount: 568.38

Amount Paid: \_\_\_\_\_

Customer Name: Apollo Inc.-East  
 Customer No: 10358  
 Invoice #: 442725  
 Date: 07/2/19  
 Customer Job: SIDEWALK  
 Due Date: 08/10/19

If you have any questions about your invoice please call 208-765-1144

Remit Payment To: Interstate Concrete & Asphalt  
 P.O. Box 742347  
 Los Angeles, CA 90074



P.O. Box 405  
Sandpoint, ID 83864

INVOICE 58433

1

6/12/2019

Net 30 Days

36

Apollo, Inc.  
PO Box 7305  
Kennewick, WA 99336

Apollo, Inc.

Ticket	Date	P.O.	Order	Loc	Product	Qty	----Material----		----Freight----		Fee Amount	Tax Amount	Total
							Rate	Amount	Rate	Amount			
11214	6/12/19	765 Hubbard	37	6	3" Minus	22.70	7.75	175.93	0.00	0.00	0.00	10.56	186.49
11220	6/12/19	765 Hubbard	37	6	3" Minus	23.75	7.75	184.06	0.00	0.00	0.00	11.04	195.10
11226	6/12/19	765 Hubbard	37	6	3" Minus	23.17	7.75	179.57	0.00	0.00	0.00	10.77	190.34
11236	6/12/19	765 Hubbard	37	6	3" Minus	22.94	7.75	177.79	0.00	0.00	0.00	10.67	188.46
Subtotal						92.56 Ton		\$717.35	\$0.00	\$0.00		\$43.04	\$760.39
Invoice Total						92.56 Ton		\$717.35	\$0.00	\$0.00		\$43.04	\$760.39

Total Invoice ----- > \$760.39

THANK YOU FOR YOUR BUSINESS!

**APOLLO, INC.**

**JUN 17 2019**

**RECEIVED**



8849 W Wyoming Rd  
Rathdrum, ID 83858

Apollo Inc.-East  
AP Megan megan.sibley@apollo-gc.com  
PO Box 7805  
Kennewick WA 99336  
  
incap@apollo-gc.com

Customer No: 10358  
Invoice No: 422299  
Inv Date: 05/13/19  
Page: Page 1 of 1  
Customer PO: P162  
Customer Job: WWTP

Interstate Concrete & Asphalt  
8849 W Wyoming Rd  
Rathdrum, ID 83858  
208-765-1144

Delivered To: HUBBARD AVE - WWTP

Date	Code	Material Description	QTY	UM	Unit Price	Haul QTY	Matl Total	Haul Total	Tax	Total
Plant: 01709 ICA-CDA-Wyoming Rd/Rthdrum S&G										
05/13/19	296C	3/4' MINUS CRUSHED	31.78	TON	6.05	0.00	192.27	0.00	11.54	203.81
05/13/19	467800	AGG DELIVERY CHARGE	145.00	EA	0.00	145.00	0.00	319.00	0.00	319.00
Total Invoice:			176.78				192.27	319.00	11.54	522.81

Ticket number(s) shipped from plant 01709 - ICA-CDA-Wyoming Rd/Rthdrum S&G  
\*17900251 \*17900257

Invoice Taxing Authority Summary:  
ID0000 Idaho State Tax

11.54

Our Customer Portal is now available! Register at [MYMATERIALSPORTAL.COM](http://MYMATERIALSPORTAL.COM) or call accounts receivable at (509) 534-6221 for assistance.

Finance Charges will be applied to any late invoices at a rate of 1.5% per month per credit agreement or the State's Lawful Amount

Invoice Amount: 522.81

Amount Paid: \_\_\_\_\_

Customer Name: Apollo Inc.-East  
Customer No: 10358  
Invoice #: 422299  
Date: 05/13/19  
Customer Job: WWTP  
Customer PO: P162  
Due Date: 06/10/19

If you have any questions about your invoice please call 208-765-1144

Remit Payment To: Interstate Concrete & Asphalt  
P.O. Box 742347  
Los Angeles, CA 90074

Please provide your email address below if you would like to start receiving your invoices via email





**INVOICE**  
 SEND ALL PAYMENTS TO:  
 SUNBELT RENTALS, INC.  
 PO BOX 409211  
 ATLANTA, GA 30384-9211

INVOICE NO.	88175329-0004
ACCOUNT NO.	305018
INVOICE DATE	7/06/19
PAGE 1 of 1	

INVOICE TO

102 - 701 - 890  
 APOLLO INC  
 1207 W COLUMBIA DR  
 PO BOX 7305  
 KENNEWICK WA 99336-0617



JOB ADDRESS  
 APOLLO INC  
 1080 HUBBORD AVE  
 COEUR D'ALENE, ID 83814  
 509-948-2803

RECEIVED BY MARCOS, TONY	CONTRACT NO. 88175329
PURCHASE ORDER NO. P162	
JOB NO. 162	
BRANCH POST FALLS ID PC124 573 N IDAHLINE RD POST FALLS, ID 83854 208-777-4585	

QTY	EQUIPMENT #	Min	Day	Week	4 Week	Amount
1	JUMPING JACK TAMPER 135-165LB CLASS 1076885 Make: MQ Model: MTX70HD HR OUT: 22.500 HR IN:	61.00	61.00	190.00	455.00	455.00
TOTAL: 22.500 Rental Sub-total:						455.00
SALES	ITEMS:					
Qty	Item number	Unit	Price			
1	ENVIRONMENTAL 2133 ENVIRONMENTAL	EA	7.280			7.28
BILLED FOR FOUR WEEKS 6/20/19 THRU 7/17/19.						



**APOLLO, INC.**  
 JUL 12 2019  
 RECEIVED

**Equipment. Service. Guaranteed.**

SUBTOTAL	462.28
SALES TAX	27.74
<b>INVOICE TOTAL</b>	<b>490.02</b>

REMIT TO:

SUNBELT RENTALS, INC.  
 PO BOX 409211  
 ATLANTA, GA 30384-9211

NET DUE UPON RECEIPT

Invoices not paid within 30 days may be subject to a 1-1/2% per month charge.

4 WEEK BILL



**INVOICE**  
SEND ALL PAYMENTS TO:

SUNBELT RENTALS, INC.  
PO BOX 409211  
ATLANTA, GA 30384-9211

INVOICE NO.	90949844-0001
ACCOUNT NO.	305018
INVOICE DATE	7/06/19
PAGE 1 of 1	

INVOICE TO

1oz - 701 - 861  
APOLLO INC  
1207 W COLUMBIA DR  
PO BOX 7305  
KENNEWICK WA 99336-0617

JOB ADDRESS

APOLLO INC  
1080 HUBBORD AVE  
COEUR D'ALENE, ID 83814  
509-948-2803

RECEIVED BY DELAPENA, TONY	CONTRACT NO. 90949844
PURCHASE ORDER NO. P162	
JOB NO. 162	
BRANCH POST FALLS ID PC124 573 N IDAHLIN RD POST FALLS, ID 83854 208-777-4585	

QTY	EQUIPMENT #	Min	Day	week	4 week	Amount
1	PLATE TAMPER 200LB CLASS 19.5" WIDE 10053662 Make: WACKER Model: WP1550AW Ser #: 10879326	55.00	55.00	190.00	455.00	455.00
Rental Sub-total:						455.00
SALES ITEMS:						
Qty	Item number	Unit	Price			
1	ENVIRONMENTAL 2133 ENVIRONMENTAL	EA	7.280			
BILLED FOR FOUR WEEKS 6/20/19 THRU 7/17/19.						

**APOLLO, INC.**  
**JUL 12 2019**  
**RECEIVED**



**Equipment. Service. Guaranteed.**

SUBTOTAL	462.28
SALES TAX	27.74
INVOICE TOTAL	490.02

REMIT TO:

SUNBELT RENTALS, INC.  
PO BOX 409211  
ATLANTA, GA 30384-9211

NET DUE UPON RECEIPT

Invoices not paid within 30 days may be subject  
to a 1-1/2% per month charge.

4 WEEK BILL



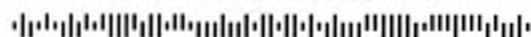


**INVOICE**  
 SEND ALL PAYMENTS TO:  
 SUNBELT RENTALS, INC.  
 PO BOX 409211  
 ATLANTA, GA 30384-9211

INVOICE NO.	90891900-0001
ACCOUNT NO.	305018
INVOICE DATE	6/21/19
PAGE 1 of 1	

INVOICE TO

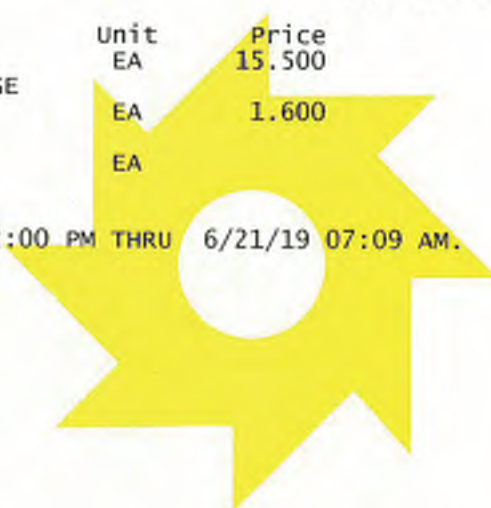
1oz - 763 - 959  
**APOLLO INC**  
 1207 W COLUMBIA DR  
 PO BOX 7305  
 KENNEWICK WA 99336-0617



JOB ADDRESS  
 APOLLO INC  
 1080 HUBBORD AVE  
 COEUR D'ALENE, ID 83814  
 509-948-2803

RECEIVED BY DE LA PENA, TONY	CONTRACT NO. 90891900
PURCHASE ORDER NO. P162	
JOB NO. 162	
BRANCH POST FALLS ID PC124 573 N IDAHLIN RD POST FALLS, ID 83854 208-777-4585	

QTY	EQUIPMENT #	Min	Day	Week	4 week	Amount
1	18" FLOOR SAW GAS 10168801 Make: HUSQVARNA Model: FS400 Ser #: 20190400071 Billed from 6/19/19 thru 6/21/19	100.00	100.00	435.00	865.00	100.00
1	18" DIAMOND BLADE ASPHALT 10170892 Make: HUSQVARNA Model: DI-BLD-63599 Ser #: N/A OUT: 1.000 IN: 1.000	30.00	30.00	89.00	230.00	30.00
					WEAR CHG:	6.00
					Rental Sub-total:	130.00
SALES ITEMS:						
Qty	Item number	Unit	Price			
1	DLPKSRCHG	EA	15.500			15.50
1	TRANSPORTATION SURCHARGE	EA	1.600			1.60
1	ENVIRONMENTAL 2133 ENVIRONMENTAL	EA				N/C
1	RF	EA				N/C
RETURNED FULL						
FREIGHT :						65.00
FINAL BILL: 6/19/19 12:00 PM THRU 6/21/19 07:09 AM.						



**APOLLO MECHANICAL**  
**JUL 01 2019**  
**RECEIVED**

**Equipment. Service. Guaranteed.**

REMIT TO:

SUNBELT RENTALS, INC.  
 PO BOX 409211  
 ATLANTA, GA 30384-9211

NET DUE UPON RECEIPT

Invoices not paid within 30 days may be subject to a 1-1/2% per month charge.

SUBTOTAL	212.10
SALES TAX	8.83
INVOICE TOTAL	220.93

RENTAL RETURN

Five Star Concrete Inc.  
4307 S Fossean Rd  
Spokane WA 99224



# Invoice

Date	Invoice #
7/18/2019	06-002-4007

Bill To
Apollo Inc. PO Box 7305 1133 W Columbia Dr. Kennewick WA 99336

P.O. No.	Terms	Project
		Water Treatment

Description	Unit of Measurement	Quantity	Rate	Amount
Place and finish concrete walk	LS	1	1,500.00	1,500.00

Thank you for your business.

**Total** \$1,500.00

Phone #	Fax #	E-mail
509-226-1189	509-226-1159	barb@5starconcrete.com

Date of Issuance: 06/28/2019	Effective Date: 06/28/2019
Owner: City of Coeur d'Alene, ID	Owner's Contract No.:
Contractor: Apollo	Contractor's Project No.:
Engineer: HDR	Engineer's Project No.: 10026247
Project: CDA Tertiary Phase 2 Improvements	Contract Name:

**Contractor is directed to proceed promptly with the following change(s):**

Description:

Landscaping Changes

- 1) Contractor shall provide a credit for the following items as requested by the city.
  - a. All hydro Seeding
  - b. 13 parking bumpers.
- 2) Contractor shall provide a 4'W X 6"D sidewalk from the North Clarifier Access Stair Landing at PC3.
  - a. The sidewalk will abut the north side of the stair landing and pass next to the north side of the light pole ending at the existing asphalt.
  - b. The sidewalk will slope from the top of the stair landing to the existing asphalt in a straight line and shed water towards PC3 at 1/4"/ft.
  - c. A 4-foot walking zone will continue onto the asphalt for approximately 8-feet delineated by diagonal hash marks. The parking stripes will adjust accordingly bordering the walkway.
- 3) Provide metal edging or approved replacement around PC2 and PC3 per attached drawing 00C105 (extending Approximately 18-inches beyond the roof drip line).
- 4) Fill the space between the edging and the clarifier with approximately 4 to 6-inches of landscape rock.
  - a. The rock placement will be preceded by approved weed barrier.
- 5) Note the areas marked on the attachment showing 4-inches of road base.
  - a. Provide weed barrier as approved under all road base in this WCD.
  - b. Provide a consistent 4-inches of base course leveled and compacted and sloping west to the asphalt.
  - c. The north side base course will match the sidewalk, sloping west and back towards the clarifier.
- 6) Both the landscape rock and road base areas will not be sprinkled.
- 7) Contractor shall confirm work activities daily with on-site RPR.

Attachments:

- 1) Landscaping Changes 001C105

**Purpose for Work Change Directive:**

Directive to proceed promptly with the Work described herein, prior to agreeing to changes on Contract Price and Contract Time, is issued due to:

- Non-agreement on pricing of proposed change.
- Necessity to proceed for schedule or other Project reasons.



**Estimated Change in Contract Price and Contract Times (non-binding, preliminary):**

Contract Price \$ TBD increase

Contract Time 0 days

**Basis of estimated change in Contract Price:**

- Lump Sum  Unit Price  
 Cost of the Work per  Other

**RECOMMENDED:**

**AUTHORIZED BY:**

**RECEIVED:**

By: 

By: 

By: \_\_\_\_\_

Engineer (Authorized Signature)

Owner (Authorized Signature)

Contractor (Authorized Signature)

Title: Project Manager

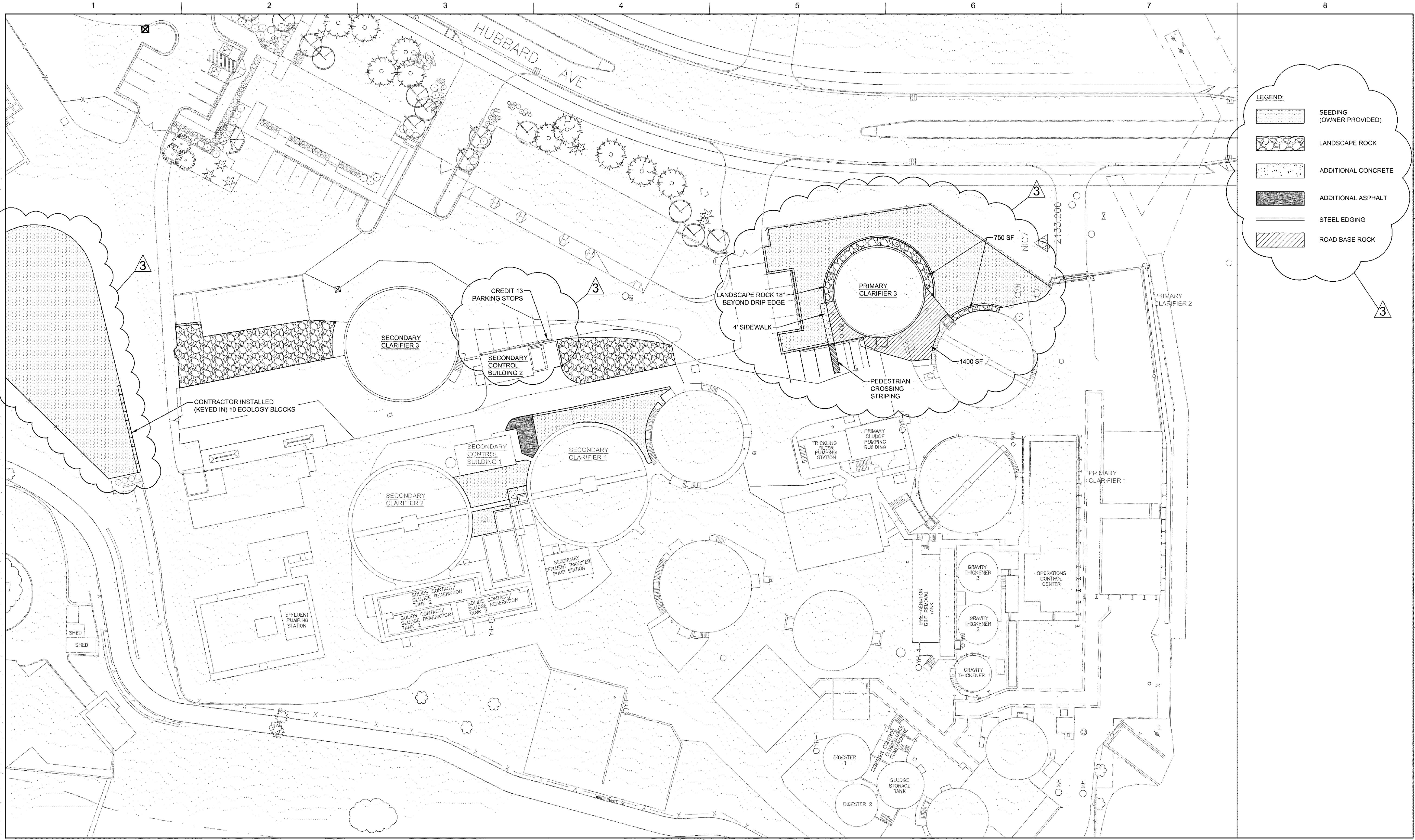
Title: Wastewater Superintendent

Title:

Date: 06/28/19

Date: 7/1/19

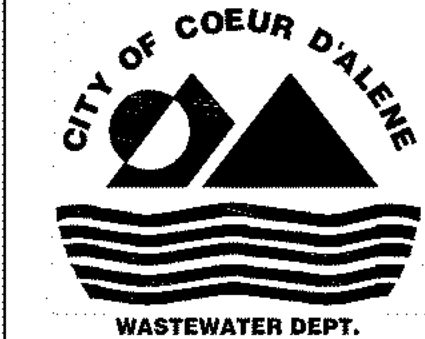
Date:



ISSUE	DATE	DESCRIPTION
3	06/19/2019	WCD 064 EXTRA WORK J. PRICE

PROJECT MANAGER	MICHAEL ZELTNER
CIVIL	T. JENSEN
STRUCTURAL	C. YARN
ARCHITECTURAL	J. RICKERT
PROCESS	R. SCHULTZ
MECHANICAL	K. SUTTON
ELECTRICAL	G. WEISZ
INSTRUMENTATION	G. WEISZ
PROJECT NUMBER	10026247

**PRELIMINARY**  
NOT FOR CONSTRUCTION



City of Coeur d'Alene  
Advanced Wastewater Treatment Facility  
Tertiary Treatment Phase 2



FILENAME | WCD064.dwg  
SCALE | 1" = 30'

**CIVIL**  
**LANDSCAPE PLANTING PLAN**  
**WCD 064**

SHEET  
**WCD064**

WCD 065

FAN CONDUCTOR REPLACEMENT



August 22, 2019

Apollo, Inc.  
1133 West Columbia Drive  
Kennewick, WA 99336

Attn: Amy Jenne

Re: Coeur d'Alene Tertiary Treatment Phase 2 Project  
WCD 065 – Fan Conductor Replacement  
Engineer's Decision

Amy,

We have reviewed your cost proposal for WCD 065 – Fan Conductor Replacement. We have found your submitted cost proposal to be acceptable.

A total cost of \$3,239.89 and a total of 53 calendar days (May 31, 2019 to July 23, 2019) adjusting the Substantial Completion date to July 23, 2019 and 35 calendar days (July 19, 2019 to August 23, 2019) adjusting the Final Completion date to August 23, 2019 will be included in the forthcoming final Change Order.

Sincerely,  
HDR Engineering, Inc.

A handwritten signature in blue ink, appearing to read 'Todd Jensen'.

Todd Jensen, PE, CCM  
*Construction Manager*

cc: Mike Anderson – City of Coeur d'Alene Wastewater Department  
Rickey Schultz – HDR  
Mike Soucie – HDR  
Mary Scalise – HDR



August 6, 2019

P162-007

Mr. Todd Jensen, PE, CCM  
HDR, Inc.  
1401 E. Trent Avenue, Suite 101  
Spokane, WA 99202-2902

**RE: WCD 65 Fan Conductor Replacement Request for Adjustment in Contract Times for Substantial Completion and Readiness for Final Payment**

Attached is our cost summary for the time and material work included in WCD 65 Fan Conductor Replacement. The scope of work included in Work Change Directive (WCD) 65 directly impacted the start-up and commissioning of the Primary Area and thus, the Substantial Completion date set forth in the Agreement Article 4 Contract Times 4.02 A.

The work included in WCD 65 were completed on 7/23/19. We hereby request the Substantial Completion date set forth in the Agreement be extended to 7/23/19. Further, we request the date for which the Project be ready for final payment as set forth in the Agreement be extended to 8/23/19. These requests are non-compensable requests for time extension.

Thank you in advance for your careful consideration of our request to extend these two Contract Times: Dates. Please feel free to contact me with any questions you may have. I can also make myself available to meet with yourself and the City of Coeur d'Alene.

Sincerely,

Amy Jenne  
Apollo, Inc.  
Vice President

Cc: Mr. Mike Anderson, City of Coeur d'Alene





**/// BUILDING PEOPLE WHO BUILD GREAT THINGS**

**Work Change Directive**

Project: City of Coeur d'Alene Tertiary Treatment Phase 2

Apollo Inc.

WCD No: 65

Date: 08/06/19

Description	Labor	Mat	Equip.	Subcont. Total	Supp Total	Total
Fan Conductor Replacement	\$ 389.99	\$ -	\$ -	\$ 2,809.91	\$ -	\$ 3,199.89
<b>SUBTOTAL COST &gt;</b>						<b>\$ 3,199.89</b>
Insurance Premium .5% - Changed Work >						\$ 16.00
Bond Premium .75% - Changed Work >						\$ 24.00
<b>TOTAL LUMP SUM COST &gt;</b>						<b>\$ 3,239.89</b>

**Work Change Directive**

Project: City of Coeur d'Alene Tertiary Treatment Phase 2  
 Apollo Inc.

WCD No: 65

Item No: 1

Date: 8/6/19

*Item Description: Fan Conductor Replacement*

Description	Qty	U of M	Rate	Labor	Unit	Rate	Mat	Unit	Rate	Equip.	Subcont. Total	Total
<b>APOLLO - PROJECT SUPERVISION COSTS</b>												
Project Manager	2.0	HR	\$ 90.00	\$ 180.00								\$ 180.00
Project Superintendent	2.0	HR	\$ 79.56	\$ 159.12								\$ 159.12
Apollo - Subtotal Direct Costs >				\$ 339.12			\$ -			\$ -		\$ 339.12
Markup on Self-Performed Labor, Mat'ls & Equipment >	15.0%			\$ 50.87			\$ -			\$ -		\$ 50.87
<b>SUBCONTRACTOR COSTS</b>												
MSE	1										\$ 2,676.10	\$ 2,676.10
											\$ -	\$ -
Subtotal Subcontractors Costs >											\$ 2,676.10	\$ 2,676.10
Markup on Subcontractor Costs >	5.0%										\$ 133.81	\$ 133.81

**Contractor - Total Direct Costs w/Markup > \$ 3,199.89**

Insurance Premium .5% - Changed Work > \$ 16.00

Bond Premium .75% - Changed Work > \$ 24.00

**TOTAL LUMP SUM COST > \$ 3,239.89**



**Mountain States Electric**

**\*\* BID TAKE-OFF DETAILS 2 \***

**Job:** CDA TERTIARY PHASE 2

**Job Number:** 66

**Bid Date:** 12/20/2016

**Page:** 1 of 1

**Date:** 8/5/2019 9:51:40 AM

Asm. No.	Lab Lvl	Description	Qty	Mat Unit	Mat Ext	Lab Unit	Lab MH Ext
<b>WCD 65</b>		<b>PRIMARY CLAR # 1 POWER BRANCH</b>		<b>PERRINS</b>	<b>&lt;No Name&gt;</b>	<b>&lt;No Name&gt;</b>	
			*** Breakout Multipliers: Count = 1    Material Cost = 1.0    Labor Hours = 1.0				
00500			0.00				
	3	Miscellaneous Items					
	3	#12 THHN CU STR 2500'	3000.00	0.104	311.40	0.008	24.30
	3	#14-12-10 WIRE TERM LABOR	18.00			0.162	2.92
<b>Assembly: 00500 Total</b>					<b>311.40</b>		<b>27.22</b>
<b>Unit Material, Labor and Sell</b>					<b>311.40</b>		<b>27.22</b>
00560			18.00				
	3	WIRE LABLES	18.00	1.000	18.00	0.250	4.50
<b>Special Item: 00560 Total</b>					<b>18.00</b>		<b>4.50</b>
<b>Unit Material, Labor and Sell</b>					<b>1.00</b>		<b>0.25</b>
00598			1.00				
	3	DEMO EXISTING WIRE	1.00			2.000	2.00
<b>Special Item: 00598 Total</b>					<b>0.00</b>		<b>2.00</b>
<b>Unit Material, Labor and Sell</b>					<b>0.00</b>		<b>2.00</b>
<b>Breakout Total</b>					<b>329.40</b>		<b>33.72</b>
<b>Bid Take-Off Details Total</b>					<b>\$329.40</b>		<b>33.72</b>

Date of Issuance: 07/19/2019 Effective Date: 07/19/2019  
 Owner: City of Coeur d'Alene, ID Owner's Contract No.:  
 Contractor: Apollo Contractor's Project No.:  
 Engineer: HDR Engineer's Project No.: 10026247  
 Project: CDA Tertiary Phase 2 Improvements Contract Name:

**Contractor is directed to proceed promptly with the following change(s):**

Description: Contractor shall replace existing corroded/damaged wiring with new conductors between Primary Clarifier #1 Ventilation Fan F-2000 and its corresponding bucket Section 3C in MCC-4351. The wires to be replaced shall include, but is not limited to: PLC-2000 X1, PLC-2000 S1, PLC-2000 S4, PLC-2000 A1, PLC-2000 A2, PLC-2000 B1, PLC-2000 B2, C-2000 X1, and #12 GND.

Attachments:

None.

**Purpose for Work Change Directive:**

Directive to proceed promptly with the Work described herein, prior to agreeing to changes on Contract Price and Contract Time, is issued due to:

- Non-agreement on pricing of proposed change.  
 Necessity to proceed for schedule or other Project reasons.

**Estimated Change in Contract Price and Contract Times (non-binding, preliminary):**

Contract Price \$ TBD increase  
 Contract Time 0 days

**Basis of estimated change in Contract Price:**

- Lump Sum  Unit Price  
 Cost of the Work  Other

**RECOMMENDED:**

By:   
 \_\_\_\_\_  
 Engineer (Authorized Signature)

Title: Project Manager  
 Date: 07/18/19

**AUTHORIZED BY:**

By:   
 \_\_\_\_\_  
 Owner (Authorized Signature)

Title: Wastewater Superintendent  
 Date: 7/18/19

**RECEIVED:**

By:   
 \_\_\_\_\_  
 Contractor (Authorized Signature)

Title: VP  
 Date: 8/6/19



WCD 066

MANHOLE MODIFICATIONS



September 9, 2019

Apollo, Inc.  
1133 West Columbia Drive  
Kennewick, WA 99336

Attn: Amy Jenne

Re: Coeur d'Alene Tertiary Treatment Phase 2 Project  
WCD 066 – Manhole Modifications  
Engineer's Decision

Amy,

We have reviewed your cost proposal for WCD 066 – Manhole Modifications. We have found your submitted cost proposal to be acceptable.

A total cost of \$10,778.54 and a total of 94 calendar days (July 23, 2019 to October 25, 2019) adjusting the Substantial Completion date to October 25, 2019 and 94 calendar days (August 23, 2019 to November 25, 2019) adjusting the Final Completion date to November 25, 2019 will be included in the forthcoming final Change Order.

Sincerely,  
HDR Engineering, Inc.

A handwritten signature in blue ink, appearing to read 'Todd Jensen'.

Todd Jensen, PE, CCM  
*Construction Manager*

cc: Mike Anderson – City of Coeur d'Alene Wastewater Department  
Rickey Schultz – HDR  
Mike Soucie – HDR  
Mary Scalise – HDR



September 9, 2019

P162-008

Mr. Todd Jensen, PE, CCM  
HDR, Inc.  
1401 E. Trent Avenue, Suite 101  
Spokane, WA 99202-2902

**RE: WCD 66 Manhole Changes Request for Adjustment in Contract Times for Substantial Completion and Readiness for Final Payment**

Attached is our lump sum proposal for the time and material work included in WCD 66 Manhole Modifications. The scope of work included in Work Change Directive (WCD) 66 directly impacted the completion of the final scope of work and thus, the Substantial Completion date set forth in the Agreement Article 4 Contract Times 4.02 A.

The work included in WCD 66 is anticipated to be completed by 10/25/19. We hereby request the Substantial Completion date set forth in the Agreement be extended to 10/25/19. Further, we request the date for which the Project be ready for final payment as set forth in the Agreement be extended to 11/25/19. These requests are non-compensable requests for time extension.

Thank you in advance for your careful consideration of our request to extend these two Contract Times: Dates. Please feel free to contact me with any questions you may have. I can also make myself available to meet with yourself and the City of Coeur d'Alene.

Sincerely,

Amy Jenne  
Apollo, Inc.  
Vice President

Cc: Mr. Mike Anderson, City of Coeur d'Alene



**/// BUILDING PEOPLE WHO BUILD GREAT THINGS**

**Work Change Directive**  
 Project: City of Coeur d'Alene Tertiary Treatment Phase 2  
 Apollo Inc.

WCD No: 66

Date: 09/09/19

Description	Labor	Mat	Equip.	Subcont. Total	Supp Total	Total
Manhole Mods	\$ 3,241.34	\$ 7,049.57	\$ -	\$ -	\$ 354.56	\$ 10,645.47
<b>SUBTOTAL COST &gt;</b>						<b>\$ 10,645.47</b>
Insurance Premium .5% - Changed Work >						\$ 53.23
Bond Premium .75% - Changed Work >						\$ 79.84
<b>TOTAL LUMP SUM COST &gt;</b>						<b>\$ 10,778.54</b>

Work Change Directive  
 Project: City of Coeur d'Alene Tertiary Treatment Phase 2  
 Apollo Inc.

WCD No: 66  
 Item No: 1  
 Date: 9/9/19

Item Description: Manhole Mods

Description	Qty	U of M	Rate	Labor	Unit	Rate	Mat	Unit	Rate	Equip.	Subcont. Total	Total
<b>APOLLO - PROJECT SUPERVISION COSTS</b>												
Project Manager	4.0	HR	\$ 90.00	\$ 360.00								\$ 360.00
Project Superintendent	0.0	HR	\$ 79.56	\$ -								\$ -
Mechanical Superintendent	24.0	HR	\$ 68.08	\$ 1,633.92								\$ 1,633.92
<b>Laborers</b>												
General	24.0	HR	\$ 34.36	\$ 824.64								\$ 824.64
<b>APOLLO - MATERIAL COSTS</b>												
HD Fowler	1.0				LS	\$ 5,681.29	\$ 5,681.29					\$ 5,681.29
Air Tech	1.0				LS	\$ 448.77	\$ 448.77					\$ 448.77
							\$ -					\$ -
Apollo - Subtotal Direct Costs >				\$ 2,818.56		\$ 6,130.06			\$ -			\$ 8,948.62
Markup on Self-Performed Labor, Mat'ls & Equipment >				15.0%	\$ 422.78		\$ 919.51		\$ -			\$ 1,342.29
<b>SUPPLEMENTAL COSTS</b>												
Special Consultants											\$ -	\$ -
Subsistence for Project Supervision	24.0				HR	\$ 11.25	\$ 270.00					\$ 270.00
Temporary Facilities at the Site					LS		\$ -					\$ -
Small Tools	1.0				LS	\$ 84.56	\$ 84.56					\$ 84.56
Subtotal Supplementary Costs >						\$ 354.56					\$ -	\$ 354.56
Markup on Supplementary Costs >				0.0								

<b>Contractor - Total Direct Costs w/Markup &gt;</b>	<b>\$ 10,645.47</b>
Insurance Premium .5% - Changed Work >	\$ 53.23
Bond Premium .75% - Changed Work >	\$ 79.84
<b>TOTAL LUMP SUM COST &gt;</b>	<b>\$ 10,778.54</b>





PO Box 160 \* Bellevue, WA \* 98009-0160



To: TONY DELAPENA  
tdelapena@apollo-gc.com  
APOLLO INC  
08/29/19 02:07:56pm

From: Matt Mahan  
Phone: (509) 492-5226 x2311

## Order Acknowledgement

This order requires confirmed receipt of this acknowledgement because it contains special order items which are indicated by two asterisks (\*\*). Please approve this order by simply replying to this email message, or by printing the attachment, signing and returning it back to us.

Non-Stocks, Special Orders or Engineered items may not be returnable. Those that are returnable are subject to a minimum 25% restock fee. Some orders may also have applicable freight charges not shown on this Order Acknowledgement.

I accept this as written. Please get this order for me as listed below.

\_\_\_\_\_  
Signature Date Print Name

LEAD TIME IS 6 WEEKS, SHIPPING FROM NORTH CAROLINA (4 DAYS)

Your PO: TIDEFLEX Project: P162 TERTIARY TREATMENT PHASE 2  
Ordered By: TONY D Order Date: 08/29/19  
Est. Ship Date: 10/10/19 Order #: O6421066  
Shipping From: Pasco Warehouse Ship VIA: WILL CALL

Line#	Item	Unit	Qty	Price	Ext. Price	Tax
1	** 6" TIDEFLEX SERIES 35 FLANGED DUCKBILL CHECK VALVE WITH NEOPRENE ELASTOMERIC CONSTRUCTION, ANSI CLASS 150# FLANGE DRILLING, GRADE 316 STAINLESS STEEL FLANGE BACKING RING, STRAIGHT BILL GRAVITY FED/ NO BACK PRESSURE	EA	1	1,462.50	1,462.50	T
2	** 12" TIDEFLEX CHECKMATE ULTRAFLEX, SLIP IN, INLINE CHECK VALVE, NEOPRENE ELASTOMERIC CONSTRUCTION WITH INTEGRAL SADDLE GROOVES, ARC NOTCH BILL AND 316SS EXPANSION CLAMPS GRAVITY HEAD PRESSURE/48" SSMH BACKPRESSURE	EA	2	1,970.59	3,941.18	T

Total	5,403.68
Freight	0.00
Tax	0.00
Grand Total	5,403.68



REMIT: PO Box 84368, Seattle, WA 98124

Invoice Number **14617960**

SPWH  
# 015290

**Corporate Office**  
3633 136th Pl SE, Ste 100, Bellevue, WA 98006  
PO Box 160, Bellevue, WA 98009-0160  
Phone 425-654-8800 \* Fax 425-641-8885

**Spokane Branch**  
6625 E Sharp Ave  
Spokane, WA 99212  
(509) 568-8400 Fax (509) 568-8405

<b>To:</b> APOLLO INC Attn: Accounts Payable PO Box 7305 KENNEWICK WA 99336-0617		<b>Ship to:</b> 915 HUBBARD AVE COEUR D'ALENE ID 83814	
		<b>Order#</b> O5636886	<b>Inv Date:</b> 08/30/17
		<b>Order Writer:</b> Wayne Stoken	
<b>Terms:</b> 10P+30 <b>FOB:</b> DESTINATION		<b>Due:</b> 10/10/17 <b>Ship Via:</b> OUR TRUCK	<b>PO/JOB:</b> P162 TERTIARY TREATMENT PHASE

Line	Qty Ship'd	Qty BO'd	Part # UoM	Description	Unit Price	Extended Price	T X
2	1		EA	<b>24" (RTS) PUMP AND CHECK VALVE INSTALL NEAR MEMBRANE TANKS (SHEETS 610D103, D301, D901)</b> 24" 1/8" FULL FACE RED RUBBER GASKET, 150#	27.26	27.26	Y
4	2		EA	<b>18" X 14" (SE) LINES FOR NEW STRAINER INSTALL AT TMF FACILITY (SHEETS 610D104, D303)</b> 18" X 14" FLANGED DI TEE,CML,L69 PRIMED, DOMESTIC	6019.79	12,039.58	Y
5	1		EA	14" FLANGED DI 90 ELBOW WITH BOSS AND 1/2" IP TAP AT POSITION "R", CML, L69 PRIMED, DOMESTIC	2271.28	2,271.28	Y
16	5		EA	18" 1/8" FULL FACE RED RUBBER GASKET, 150#	16.20	81.00	Y
19	6		EA	14" 1/8" FULL FACE RED RUBBER GASKET, 150#	12.35	74.10	Y
30	4		EA	<b>6" TD(G) LINES FROM MEMBRANE TANKS TO TMF FACILITY (SHEETS 610D103, D104, D302)</b> 6" BOLT KIT,316 STAINLESS STEEL, 8 EA- 3/4" X 3 1/4" BOLT WITH NUT,IMPORT	36.67	146.68	Y
31	10		EA	6" 1/8" FULL FACE RED RUBBER, GASKET, 150#	3.92	39.20	Y
					Sub total	14,679.10	
					Freight		
					Tax	880.75	
					<b>Grand Total</b>	<b>15,559.85</b>	

**\*\* New Remittance Address \*\***  
PO Box 84368, Seattle, WA 98124-5668

EFT Routing: 121000248  
EFT Bank No: 418 545 3362



REMIT: PO Box 84368, Seattle, WA 98124

**Invoice Number** **I4698435**

PSWH  
# 015290

**Corporate Office**  
3633 136th Pl SE, Ste 100, Bellevue, WA 98006  
PO Box 160, Bellevue, WA 98009-0160  
Phone 425-654-8800 \* Fax 425-641-8885

**Pasco Branch**  
1336 Dietrich Rd  
Pasco, WA 99301  
(509) 545-0255 Fax (509) 545-0299

<b>To:</b> APOLLO INC Attn: Accounts Payable PO Box 7305 KENNEWICK WA 99336-0617	<b>Ship to:</b> 915 HUBBARD AVE COEUR D'ALENE ID 83814	
	<b>Order#</b> O5756769	<b>Inv Date:</b> 11/27/17

<b>Terms:</b> 10P+30 <b>FOB:</b> JOBSITE	<b>Due:</b> 01/10/18 <b>Ship Via:</b> UPS - STANDARD	<b>PO/JOB:</b> SPOOL P162 TERTIARY TREATMENT PHASE
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Line	Qty Ship'd	Qty BO'd	UoM	Part # Description	Unit Price	Extended Price	T X
2	3		EA	12" UNI - FLANGE FOR DI SERIES 200 FORD	137.64	412.92	
3	6		EA	12" BOLT KIT 316 STAINLESS STEEL 12 EA 7/8" X 3 3/4" BOLT WITH NUT,IMPORT	108.33	649.98	
4	6		EA	12" 1/8" FULL FACE GASKET, NEOPRENE, 150#	10.18	61.08	
5	1		EA	INBOUND FRT / BILLABLE	50.00	50.00	
						<b>Sub total</b>	1,173.98
						<b>Freight</b>	
						<b>Tax</b>	
						<b>Grand Total</b>	1,173.98

\*\* New Remittance Address \*\*  
PO Box 84368, Seattle, WA 98124-5668

EFT Routing: 121000248  
EFT Bank No: 418 545 3362

TOYN D

**FROM: AIR TECH MECHANICAL COMPANY**  
**TO: APPOLLO INC.**  
**RE: CITY OF COEUR D'ALENE**  
**ADVANCED WASTE WATER TREATMENT FACILITY**  
**TERTIARY TREATMENT PHASE 2**

---

**Manhole Cover-SUMMARY OF COSTS**

**Description: Fabricate and provide 18 gauge Stainless Steel welded construction manhole cover per Apollo provided details and dimensions. Deliver to site.**

---

Labor	3.0 hr. @ 73.91	\$ 221.73
18 Ga. SS Sheet Fasteners & accessories		\$ 149.00
Welding Supplies		\$ 10.00
ISST Tax Materials (6%x159.00)		<u>\$ 9.50</u>
	Subtotal Costs	\$ 390.23
OH & P (15% x \$ 390.230)		<u>\$ 58.54</u>
	<b>TOTAL Lump Sum Cost</b>	<b>\$ 448.77</b>

Submitted To: Amy Jenne  
Submitted By: John Shaffer  
Date: 09/09/2019

Date of Issuance: 08/21/2019 Effective Date: 08/21/2019  
 Owner: City of Coeur d'Alene, ID Owner's Contract No.:  
 Contractor: Apollo Contractor's Project No.:  
 Engineer: HDR Engineer's Project No.: 10026247  
 Project: CDA Tertiary Phase 2 Improvements Contract Name:

**Contractor is directed to proceed promptly with the following change(s):**Description:

1. SSMH #5 as shown on Sheet 001C102.
  - a. Install internal 12-inch Tide Flex valve on new 12-inch STW(g) in SSMH #5.
  - b. Add 90° drop (no cost) inside SSMH #5 to 4-inch DI SSC (p) end near the sewer flow with another fitting to direct flow into the stream as discussed in field.
2. SSMH #3 as shown on Sheet 001C102.
  - a. Install internal 12-inch Tide Flex valve on 12-inch STW(g) in SSMH #3.
3. SSMH #2 as shown on Sheet 001C102.
  - a. Install slotted MH lid on existing SSMH #2. Fabricate and install stainless steel inverted hat manhole insert in existing SSMH #2 to pass stormwater runoff but not odors. Install internal Tide Flex valve on internal drop pipe for odor control. Inverted hat to accommodate one (1) inch of water prior to overflowing into drop pipe to catch sediment. Two handles to be welded to the bottom of inverted hat for removal of the unit.

Attachments:

None.

**Purpose for Work Change Directive:**

Directive to proceed promptly with the Work described herein, prior to agreeing to changes on Contract Price and Contract Time, is issued due to:

- Non-agreement on pricing of proposed change.  
 Necessity to proceed for schedule or other Project reasons.


**Estimated Change in Contract Price and Contract Times (non-binding, preliminary):**

Contract Price \$ TBD increase  
 Contract Time TBD days

**Basis of estimated change in Contract Price:**

- Lump Sum  Unit Price  
 Cost of the Work  Other

**RECOMMENDED:****AUTHORIZED BY:****RECEIVED:**

By:   
 Engineer (Authorized Signature)

By:   
 Owner (Authorized Signature)

By:   
 Contractor (Authorized Signature)

Title: Project Manager

Title: Western Superintendent

Title: VP

Date: 08/21/19

Date: 8/21/19

Date: 8/29/19