



S. Canadian WWTP Expansion  
Cost Breakdown

Project No. ST-0138 Date 2/14/2023

Entity Oklahoma City Water Utilities Trust Contractor Crossland Heavy Contractors

Description of Work 60" Concrete Cap of FRP Line at Outfall Structure

1. a) <b>Labor Total</b> (Refer to Attachment A)		\$	4,128.14
b) Labor Overhead & Profit	1.a) x 15.00% =	\$	619.22

2. a) <b>Material Total</b> (Refer to Attachment B)		\$	7,727.83
b) Material Overhead & Profit	2.a) x 15.00% =	\$	1,159.17

3. a) <b>Equipment Total</b> (Refer to Attachment C)		\$	519.84
b) Equipment Overhead & Profit	3.a) x 0.00% =	\$	-

4. a) <b>Subcontracted Work Total</b>		\$	-
b) Prime Contractor Overhead on Subcontracted Work	4.a) x 0.00% =	\$	-

5. a) <b>Workers Compensation</b>	1.a) / 100 x \$ 1.50 =	\$	61.92
b) <b>Unemployment Insurance Contribution</b>	1.a) x 4.30% =	\$	177.51
c) <b>Social Security Taxes</b>	1.a) x 8.00% =	\$	330.25
d) <b>Employee Fringe Benefits</b>	1.a) x 20.00% =	\$	825.63

6. a) <b>Subtotal Cost of Work</b>	1. + 2. + 3. + 4. + 5. =	\$	15,549.50
b) <b>General/Administrative</b>	6.a) x 0.00% =	\$	-
c) <b>Bonds</b>	6.a) x 1.00% =	\$	155.50
d) <b>Property Damage &amp; Liability Insurance</b>	6.a) x 1.50% =	\$	233.24

7. <b>Total Cost of Work</b>	Unit Price \$ 15,938.24 Quantity 1 Unit of Measure LS	\$	<b>15,938.24</b>
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## Attachment A - Labor Total

Contract ID: ST-0138

Description: 60" Concrete Cap of FRP Line at Outfall Structure

[illegible]

### Attachment B - Material Total

Contract ID: ST-0138

Description: 60" Concrete Cap of FRP Line at Outfall Structure

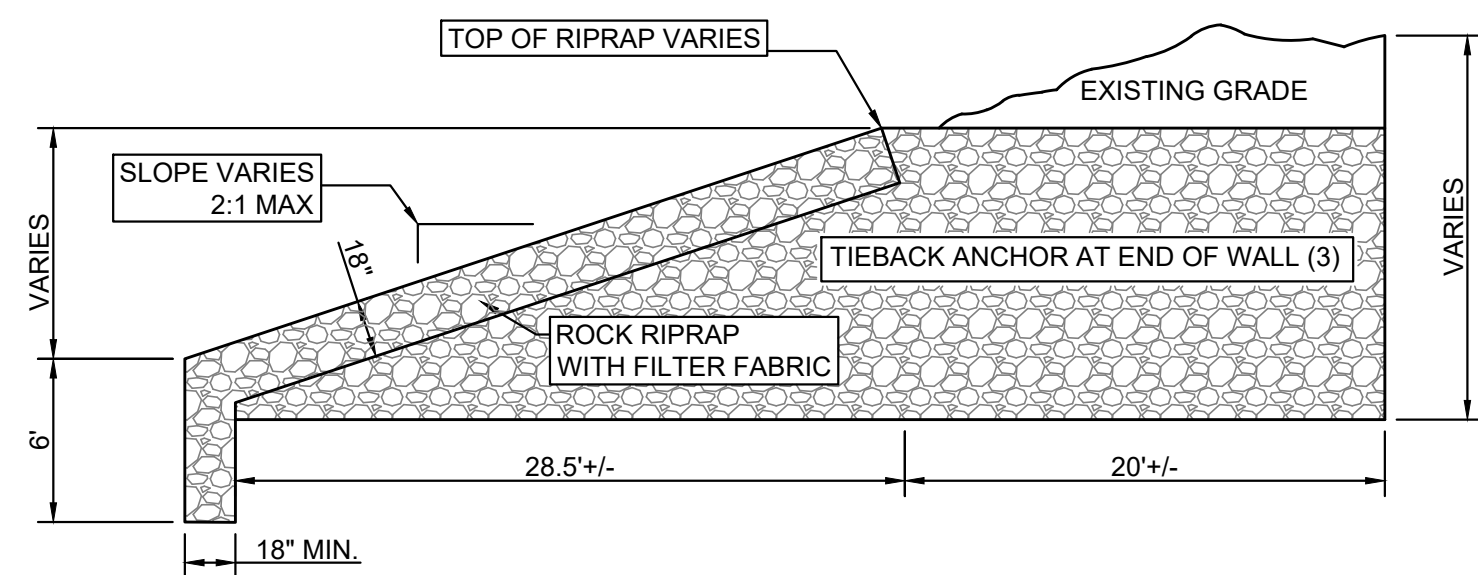
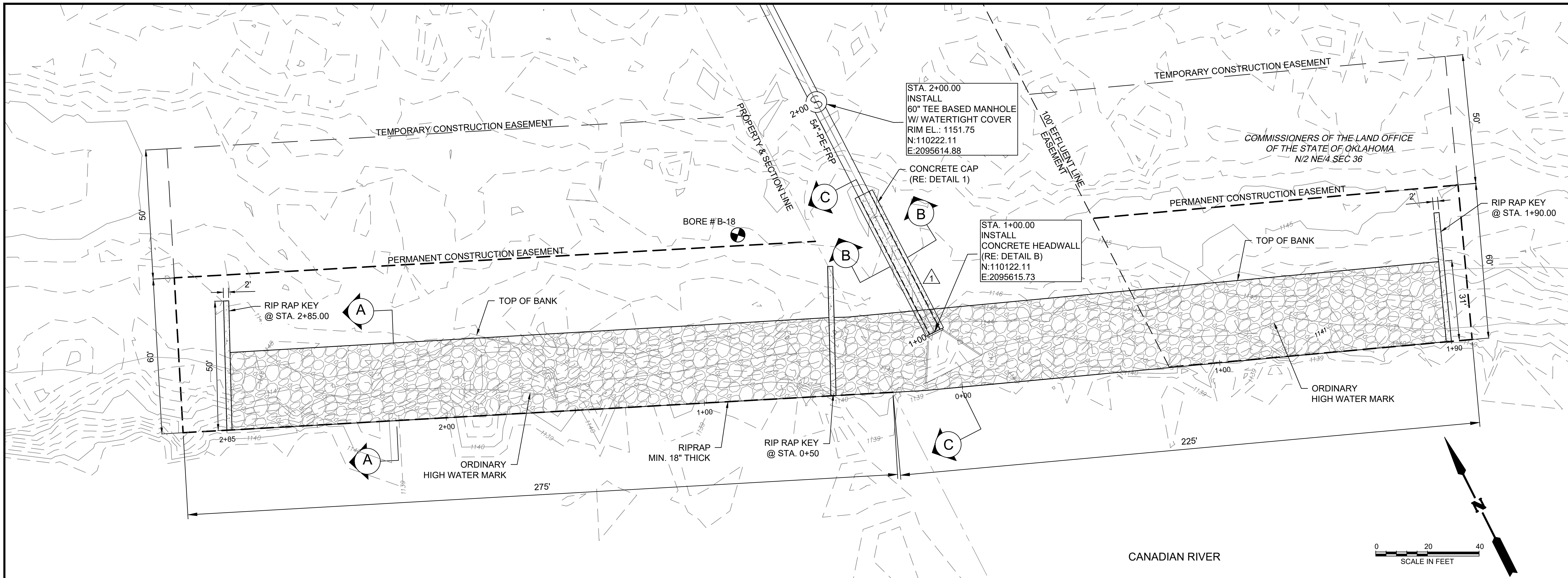
[illegible]

### Attachment C - Equipment Total

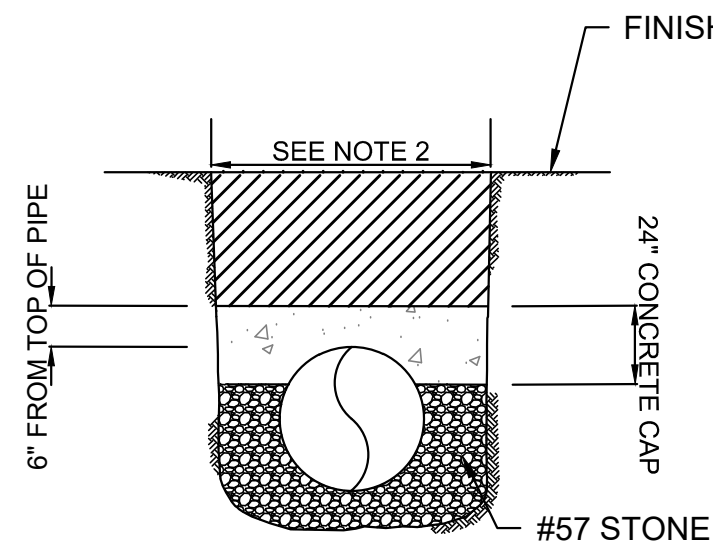
Contract ID: ST-0138

Description: \_\_\_\_\_

[illegible]



**A** TYPICAL ROCK RIPRAP KEY SECTION  
N.T.S.

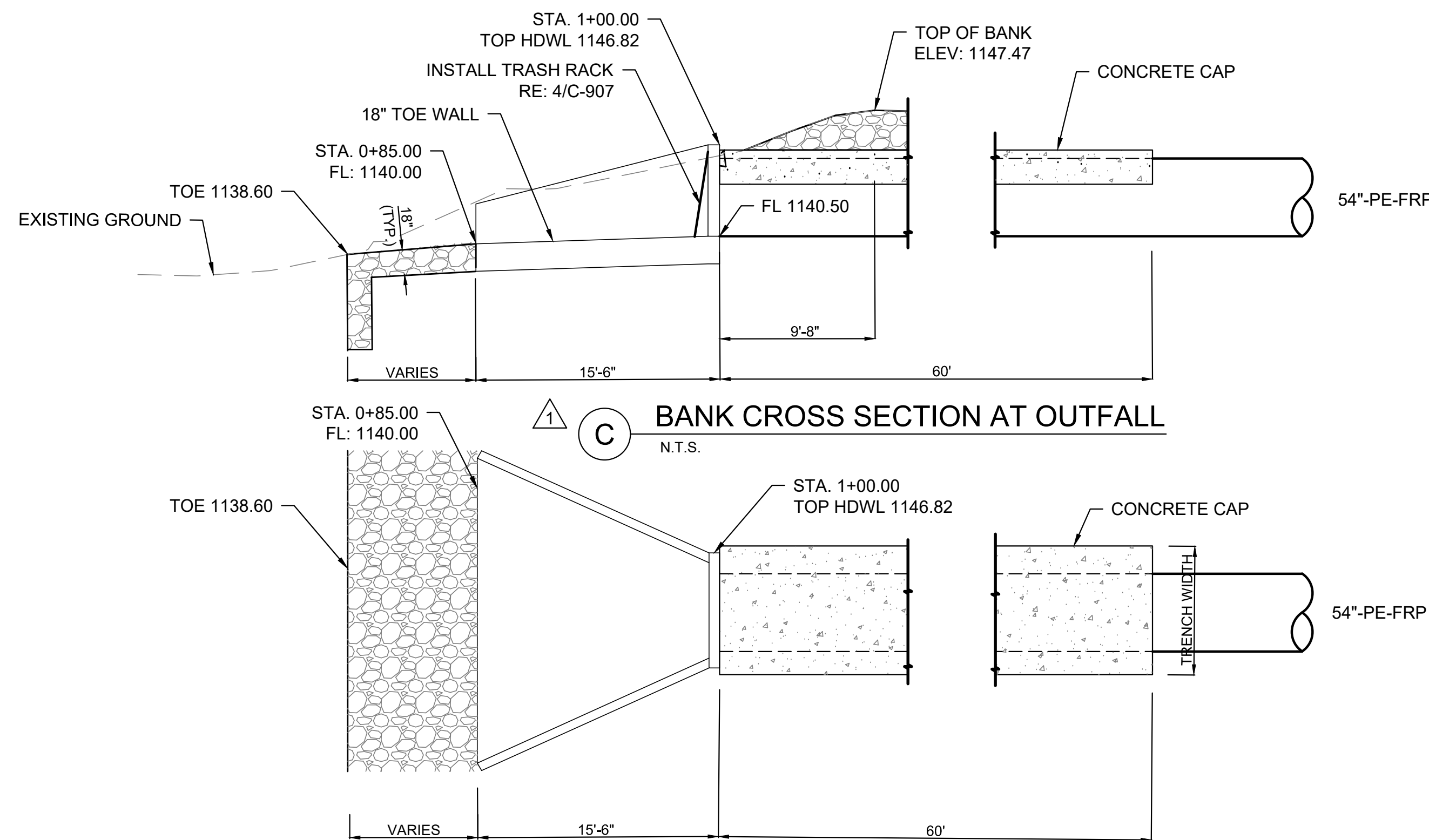


NOTE:

1. CONCRETE SHALL BE 3000 PSI MINIMUM.
2. TRENCH WIDTH SHALL BE PER THE FRP TRENCH DETAIL.

1 B TYPICAL CONCRETE CAP SECTION  
N.T.S.

## SOUTH CANADIAN RIVER LEFT BANK RESTORATION & STABILIZATION



1 CONCRETE CAP PLAN AT OUTFALL  
N.T.S.

## GENERAL NOTES

1. STONE FOR ROCK RIP-RAP SHALL BE ODOT TYPE I- PLAIN RIP-RAP - 18" THICK PER ODOT SPECIFICATIONS SECTIONS 601 & 713.01.
2. FILTER FABRIC SHALL BE PER ODOT SPECIFICATIONS 712.02.
3. RIPRAP TOE PROTECTION AND BANK SHALL BE INSTALLED TO THE ELEVATION AND GRADES SHOWN ON THE DRAWINGS.
4. EXCAVATION AND GRADING SHALL BE PERFORMED PRIOR TO INSTALLATION OF ROCK RIPRAP PROTECTION AND KEYS.
5. STONE PLACEMENT IN THE KEYS SHALL OCCUR AT THE SAME TIME OF STONE PLACEMENT FOR THE RIPRAP BANK PROTECTION.
6. ROCK RIPRAP SHALL BE DROPPED FROM A HEIGHT LESS THAN 24 INCHES.
7. FILTER FABRIC SHALL BE OVERLAPPED 24 INCHES.
8. SECURING PINS WITH WASHERS SHALL BE PLACED AT 36 INCHES CENTERS ALONG THE MIDPOINT OF THE OVERLAPS.
9. STONE PLACEMENT SHALL BEGIN AT THE TOE AND PROCEED UP THE SLOPE.
10. THE LENGTH OF FABRIC SHOULD BE PLACED PARALLEL TO THE DIRECTION OF FLOW.
11. COMPACTED BACKFILL AREAS THAT ARE EXCAVATED FOR PURPOSES OF KEY INSTALLATION SHALL BE COMPACTED TO 95% MAXIMUM DRY DENSITY AS DEFINED BY ASTM D698 FOR COHESIVE MATERIAL.
12. CONTRACTOR SHALL PLACE 12 INCHES OF AGRICULTURAL QUALITY TOP SOIL ON TOP OF THE ROCK RIP-RAP AND GENTLY WASH THE MATERIAL INTO THE ROCK RIP-RAP. A SECOND 12 INCH LAYER SHALL BE PLACED AND GENTLY WASHED IN AFTER THE FIRST LAYER HAS BEEN COMPLETED. AFTER COMPLETING THE SECOND LAYER, CONTRACTOR SHALL PLACE A 6 INCH LAYER OF AGRICULTURAL QUALITY TOP SOIL ON TOP OF THE ROCK RIP-RAP AND SEEDED WITH "NATIVE SEED MIX" PER THE CONTRACT DOCUMENTS.



S. Canadian WWTP Expansion  
Cost Breakdown

Project No. ST-0138 Date 7/25/2023

Entity Oklahoma City Water Utilities Trust Contractor Crossland Heavy Contractors

Description of Work Future 4" DS-DI Line at Thickener Bldg - Reference RFI 124

1. a) <b>Labor Total</b> (Refer to Attachment A)		\$	1,113.52
b) Labor Overhead & Profit	1.a) x 15.00% =	\$	167.03

2. a) <b>Material Total</b> (Refer to Attachment B)		\$	1,142.99
b) Material Overhead & Profit	2.a) x 15.00% =	\$	171.45

3. a) <b>Equipment Total</b> (Refer to Attachment C)		\$	-
b) Equipment Overhead & Profit	3.a) x 0.00% =	\$	-

4. a) <b>Subcontracted Work Total</b>		\$	-
b) Prime Contractor Overhead on Subcontracted Work	4.a) x 10.00% =	\$	-

5. a) <b>Workers Compensation</b>	1.a) / 100 x \$ 1.50 =	\$	16.70
b) <b>Unemployment Insurance Contribution</b>	1.a) x 4.30% =	\$	47.88
c) <b>Social Security Taxes</b>	1.a) x 8.00% =	\$	89.08
d) <b>Employee Fringe Benefits</b>	1.a) x 20.00% =	\$	222.70

6. a) <b>Subtotal Cost of Work</b>	1. + 2. + 3. + 4. + 5. =	\$	2,971.36
b) <b>General/Administrative</b>	6.a) x 2.25% =	\$	66.86
c) <b>Bonds</b>	6.a) x 1.00% =	\$	29.71
d) <b>Property Damage &amp; Liability Insurance</b>	6.a) x 1.50% =	\$	44.57

7. <b>Total Cost of Work</b>	Unit Price \$ 3,112.50 Quantity 1 Unit of Measure LS	\$	3,112.50
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## Attachment A - Labor Total

Contract ID: ST-0138

Description: Future 4" DS-DI Line at Thickener Bldg - Reference RFI 124

[illegible]

### Attachment B - Material Total

Contract ID: ST-0138

Description: Future 4" DS-DI Line at Thickener Bldg - Reference RFI 124

[illegible]



### Attachment C - Equipment Total

Contract ID: ST-0138

Description: Future 4" DS-DI Line at Thickener Bldg - Reference RFI 124

[illegible]

**South Canadian WWTP  
Improvements - 22O15SP****22O15SP**15924 S. May Ave  
Oklahoma City, OK 73170**Subject:** Thickener Building Suggestion**Date:** 6/1/2023**Status:** New**Priority:** Normal**Reason:** Alternate Proposal**Discipline:** Mechanical**Reference:** M-700 and M-702

Cost Effect	Cost Amount	Time Effect	Number of Days	Completed Date
Increase		Unknown		

**Author:** Jared Cranor - Crossland Heavy Contractors, Inc.**Response Distribution:****Question**

See attached plan sheet M-700. A wall sleeve is shown to be installed for future use. In order to utilize this wall sleeve in the future, the City will have to remove the sidewalk and excavate between two structures to install ~5' of pipe between the two structures.

**Proposed Solution**

CHC suggests installing the future section of pipe between the Thickener Building and Wet Well during construction to prevent sidewalk removal and excavating in a confined area. The cost for materials and labor will be minor in comparison to a future installation.

Please advise.

**Response**

The proposed solution is acceptable, pending approval of pricing. Please provide a detailed cost breakdown for review and final determination.

Thank you,

Primary Responder	Date Sent	Date Due	Date Responded
Michael Graves - CP&Y, Inc.	6/2/2023	6/9/2023	06/28/23





S. Canadian WWTP Expansion  
Cost Breakdown

**Project No.** ST-0138 **Date** 11/14/2023

**Entity** Oklahoma City Water Utilities Trust **Contractor** Crossland Heavy Contractors

**Description of Work** Disinfection Facility Fire Line Material

1. a) <b>Labor Total</b> (Refer to Attachment A)		\$	294.00
b) Labor Overhead & Profit	1.a) x 15.00% =	\$	44.10

2. a) <b>Material Total</b> (Refer to Attachment B)		\$	926.77
b) Material Overhead & Profit	2.a) x 15.00% =	\$	139.02

3. a) <b>Equipment Total</b> (Refer to Attachment C)		\$	-
b) Equipment Overhead & Profit	3.a) x 0.00% =	\$	-

4. a) <b>Subcontracted Work Total</b>			
b) Prime Contractor Overhead on Subcontracted Work	4.a) x 10.00% =	\$	-

5. a) <b>Workers Compensation</b>	1.a) / 100 x \$ 1.50 =	\$	4.41
b) <b>Unemployment Insurance Contribution</b>	1.a) x 4.30% =	\$	12.64
c) <b>Social Security Taxes</b>	1.a) x 8.00% =	\$	23.52
d) <b>Employee Fringe Benefits</b>	1.a) x 20.00% =	\$	58.80

6. a) <b>Subtotal Cost of Work</b>	1. + 2. + 3. + 4. + 5. =	\$	1,503.26
b) <b>General/Administrative</b>	6.a) x 2.25% =	\$	33.82
c) <b>Bonds</b>	6.a) x 1.00% =	\$	15.03
d) <b>Property Damage &amp; Liability Insurance</b>	6.a) x 1.50% =	\$	22.55

7. <b>Total Cost of Work</b>	Unit Price	\$	1,574.66	Quantity	1	Unit of Measure	LS	\$	<b>1,574.66</b>
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## Attachment A - Labor Total

Contract ID: ST-0138

Description: Disinfection Facility Fire Line Material

[illegible]

### Attachment B - Material Total

Contract ID: ST-0138

Description: Disinfection Facility Fire Line Material

[illegible]

### Attachment C - Equipment Total

Contract ID: ST-0138

Description: Disinfection Facility Fire Line Material

[illegible]



Ferguson Waterworks #1832  
1501 S CENTRAL AVE  
OKLAHOMA CITY, OK 73129-8355

Phone: 405-672-3828  
Fax: 405-672-5622

Deliver To: .  
From: Christian Quiroga  
Comments:

14:17:08 NOV 06 2023

Page 1 of 1

FEL - AROK WATERWORKS #1832

Price Quotation

Phone: 405-672-3828

Fax: 405-672-5622

**Bid No:** B414980  
**Bid Date:** 11/06/23  
**Quoted By:** CQX

**Cust Phone:** 620-429-1410  
**Terms:** NET 10TH PROX

**Customer:** CROSSLAND HEAVY CONTRACTO  
PO BOX 350  
22015SP SOUTH CANADIAN WWT  
COLUMBUS, KS 66725

**Ship To:** CROSSLAND HEAVY CONTRACTO  
15924 S MAY ST  
SOUTH CANADIAN WWTP IMPRO  
OKLAHOMA CITY, OK 73170

**Cust PO#:**

**Job Name:** 22015SP SOUTH CANADIAN WWT

Item	Description	Quantity	Net Price	UM	Total
SP-4DIPFABSPPOOL	4 DIP FAB SPL - DESCRIPTION BELOW 4" X 10' DI SPOOL PIECE CEMENT LINED PE X PE	1	878.130	EA	878.13

**Net Total:** \$878.13  
**Tax:** \$76.84  
**Freight:** \$0.00  
**Delivery:** \$80.00  
**Total:** \$1034.97

Quoted prices are based upon receipt of the total quantity for immediate shipment (48 hours). SHIPMENTS BEYOND 48 HOURS SHALL BE AT THE PRICE IN EFFECT AT TIME OF SHIPMENT UNLESS NOTED OTHERWISE. QUOTES FOR PRODUCTS SHIPPED FOR RESALE ARE NOT FIRM UNLESS NOTED OTHERWISE.

CONTRACTOR CUSTOMERS: IF YOU HAVE DBE/MBE/WBE/VBE/SDVBE/SBE GOOD FAITH EFFORTS DIVERSITY GOALS/ REQUIREMENTS ON A FEDERAL, STATE, LOCAL GOVERNMENT, PRIVATE SECTOR PROJECT, PLEASE CONTACT YOUR BRANCH SALES REPRESENTATIVE IMMEDIATELY PRIOR TO RECEIVING A QUOTE/ORDER.

Seller not responsible for delays, lack of product or increase of pricing due to causes beyond our control, and/or based upon Local, State and Federal laws governing type of products that can be sold or put into commerce. This Quote is offered contingent upon the Buyer's acceptance of Seller's terms and conditions, which are incorporated by reference and found either following this document, or on the web at <https://www.ferguson.com/content/website-info/terms-of-sale>  
Govt Buyers: All items are open market unless noted otherwise.

LEAD LAW WARNING: It is illegal to install products that are not "lead free" in accordance with US Federal or other applicable law in potable water systems anticipated for human consumption. Products with \*NP in the description are NOT lead free and can only be installed in non-potable applications. Buyer is solely responsible for product selection.



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complete a survey about your bids:

<https://survey.medallia.com/?bidsorder&fc=1895&on=34321>



**South Canadian WWTP  
Improvements - 22O15SP****22O15SP**15924 S. May Ave  
Oklahoma City, OK 73170

<b>Subject:</b>	Disinfection Facility Fire Line Material		
<b>Date:</b>	9/19/2023	<b>Status:</b>	New
<b>Priority:</b>	Normal	<b>Reason:</b>	Alternate Proposal
<b>Discipline:</b>	Plumbing	<b>Reference:</b>	Please see the attached plan sheet M-550 and email correspondence with the Chief Plumbing Inspector, Geary McMillon.

Cost Effect	Cost Amount	Time Effect	Number of Days	Completed Date
Increase		Unknown		

**Author:** Matthew Cox - Crossland Heavy Contractors, Inc.**Response Distribution:****Question**

Sheet M-550 identifies the fire riser material coming into the building to be "PVC." This piping is 4" and therefore is C-900 PVC per the pipe schedule.

Per the Authority Having Jurisdiction, the City of Oklahoma City, PVC is not acceptable as fire line material under building slabs and does not comply with International Plumbing Code 2015, the current edition in use by the AHJ.

**Proposed Solution**

Per emails with City of Oklahoma City Chief Plumbing Inspector Geary McMillon, material to be Ductile Iron Pipe under slab. It is allowable to transition to C-900 for the yard piping not under any structure. Please advise if this is an acceptable solution.

**Response**

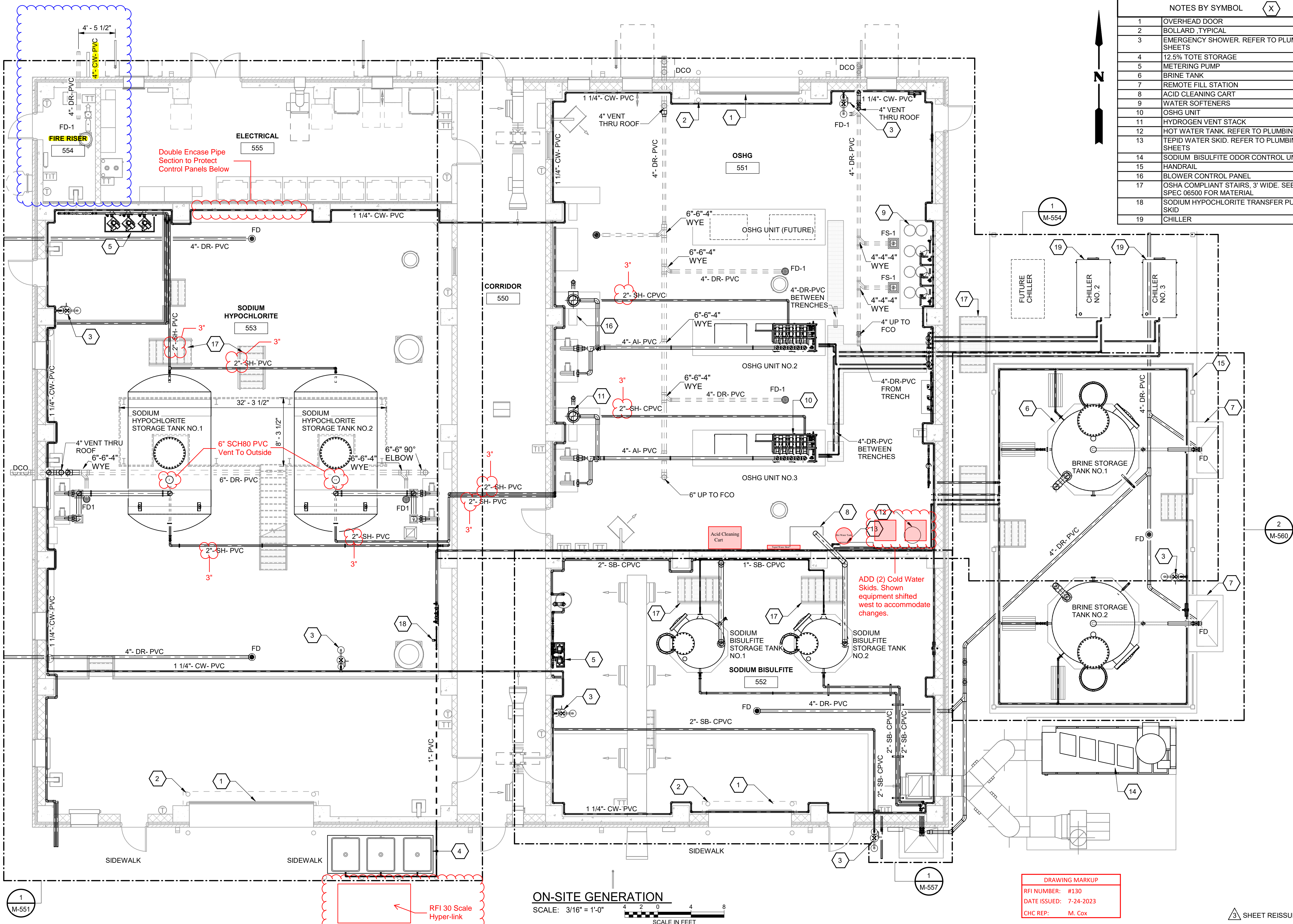
This is an acceptable solution.

Primary Responder	Date Sent	Date Due	Date Responded
Michael Graves - CP&Y, Inc.	9/19/2023	9/26/2023	

**References**

Type	Description	Contributor	Date (CST)
SupportingDocument	M-550 (Fire Riser Material in Question).pdf	Matthew Cox	9/19/2023 3:28 PM
SupportingDocument	RE_ Fire Riser Material Type Question.pdf	Matthew Cox	9/19/2023 3:28 PM
View			

Revit File: BM 360/Design\_OKCY14286OKCY14286 - MECHANICAL MODEL.rvt  
PCL Date: 9/12/2022 3:49:04 PM



NOTES BY SYMBOL	
1	OVERHEAD DOOR
2	BOLLARD, TYPICAL
3	EMERGENCY SHOWER. REFER TO PLUMBING SHEETS
4	12.5% TOTE STORAGE
5	METERING PUMP
6	BRINE TANK
7	REMOTE FILL STATION
8	ACID CLEANING CART. REFER TO PLUMBING SHEETS
9	WATER SOFTENERS
10	OSHG UNIT
11	HYDROGEN VENT STACK
12	HOT WATER TANK. REFER TO PLUMBING SHEETS
13	TEPID WATER SKID. REFER TO PLUMBING SHEETS
14	SODIUM BISULFITE ODOR CONTROL UNIT
15	HANDRAIL
16	BLOWER CONTROL PANEL
17	OSHA COMPLIANT STAIRS, 3' WIDE. SEE SPEC 08500 FOR MATERIAL
18	SODIUM HYPOCHLORITE TRANSFER PUMP SKID
19	CHILLER

CITY OF OKLAHOMA CITY,  
OKLAHOMA

CP&Y, INC.  
CERTIFICATION OF AUTHORIZATION  
NO. 4006  
EXP. DATE: JUNE 30, 2022

THIS DRAWING IS  
PART OF A PROJECT  
REFER TO SHEET  
G-001 FOR RESPONSIBLE  
SEALING ENGINEER

NO.	REVISION DESCRIPTION	BY	DATE
1	ADDENDUM NO. 4	MFG	5-13-22
2	ADDENDUM NO. 5	MFG	5-19-22
3	CONTRACT MODIFICATION NO. 2	MFG	8-30-22
VERIFY SCALE		BAR IS ONE INCH ON ORIGINAL DRAWING. IF NOT ONE INCH ON SHEET, ADJUST SCALE	

CITY OF OKLAHOMA CITY  
SOUTH CANADIAN WASTEWATER  
TREATMENT PLANT IMPROVEMENTS  
DISINFECTION FACILITY

Date: FEBRUARY 2022  
Designed: R.LE  
Drawn: T.LENZ  
Reviewed: P.GUNJUR  
CP&Y Proj. No. OKCY14286

SHEET  
M-550

ON-SITE GENERATION

SCALE: 3/16" = 1'-0"  
SCALE IN FEET

DRAWING MARKUP  
RFI NUMBER: #130  
DATE ISSUED: 7-24-2023  
CHC REP: M. Cox

3 SHEET REISSUED

**From:** [McMillon, Geary D](#)  
**To:** [Andrew Spencer](#)  
**Subject:** RE: Fire Riser Material Type Question  
**Date:** Monday, September 18, 2023 9:20:10 AM  
**Attachments:** [image002.png](#)  
[image003.png](#)  
[image004.png](#)  
[image005.png](#)  
[image006.png](#)  
[image007.png](#)  
[image009.png](#)

**EXTERNAL EMAIL:** This email originated from outside of the organization. Do not click links or open attachments unless you recognize the sender and know the content is safe.

Yes sir

**Geary McMillon**  
**Chief Plumbing Inspector**  
**(405) 297-2115**



**From:** Andrew Spencer <aspencer@heavycontractors.com>  
**Sent:** Monday, September 18, 2023 9:10 AM  
**To:** McMillon, Geary D <geary.mcmillon@okc.gov>  
**Subject:** RE: Fire Riser Material Type Question

**WARNING:** The sender of this email could not be validated and may not match the person in the "From" field..

Thank you Sir,

Would Ductile Iron be acceptable for the under slab portion?



Also, is C-900 acceptable material for the portion of the fire line in the yard, not under any structures?



**Andrew Spencer**

Superintendent

15926 S. May Ave

Oklahoma City, OK 73170

c: 417-300-2760

[aspencer@heavycontractors.com](mailto:aspencer@heavycontractors.com)

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



---

**From:** McMillon, Geary D <[geary.mcmillon@okc.gov](mailto:geary.mcmillon@okc.gov)>

**Sent:** Monday, September 18, 2023 7:20 AM

**To:** Andrew Spencer <[aspencer@heavycontractors.com](mailto:aspencer@heavycontractors.com)>

**Subject:** RE: Fire Riser Material Type Question

**EXTERNAL EMAIL:** This email originated from outside of the organization. Do not click links or open attachments unless you recognize the sender and know the content is safe.

Hello,

This private side for a fire line will needs to meet the requirements of the 2015 IPC and PVC would not be approved.

Sincerely

**Geary McMillon**

**Chief Plumbing Inspector**

**(405) 297-2115**



---

**From:** Segraves, Dustin <[dustin.segraves@okc.gov](mailto:dustin.segraves@okc.gov)>

**Sent:** Monday, September 18, 2023 6:17 AM

**To:** McMillon, Geary D <[geary.mcmillon@okc.gov](mailto:geary.mcmillon@okc.gov)>

**Subject:** FW: Fire Riser Material Type Question

This is for you I believe.



Regards,



J. Dustin Segraves, P.E. | *Engineer IV*  
*Private Development Manager*  
The City of Oklahoma City  
Utilities Department - Engineering Division  
Direct: 405-297-2048 | Cell: 405-482-4654 | Fax: 405-316-2048  
420 W. Main Suite 430 | Oklahoma City, OK 73102 | [dustin.segraves@okc.gov](mailto:dustin.segraves@okc.gov)  
*"Never Talk Without a Map"*

---

**From:** Willson, Michael R <[mike.willson@okc.gov](mailto:mike.willson@okc.gov)>

**Sent:** Friday, September 15, 2023 4:20 PM

**To:** Segraves, Dustin <[dustin.segraves@okc.gov](mailto:dustin.segraves@okc.gov)>

**Subject:** FW: Fire Riser Material Type Question

Would this be a part of what your office looks at, up to the backflow inside the building? I see a number of PVC pipe options referencing being listed for fire lines and AWWA.

---

**From:** Andrew Spencer <[aspencer@heavycontractors.com](mailto:aspencer@heavycontractors.com)>

**Sent:** Friday, September 15, 2023 3:27 PM

**To:** Willson, Michael R <[mike.willson@okc.gov](mailto:mike.willson@okc.gov)>

**Subject:** Re: Fire Riser Material Type Question

**WARNING:** The sender of this email could not be validated and may not match the person in the "From" field..

Correct sir

Sent from my iPhone

On Sep 15, 2023, at 2:45 PM, Willson, Michael R <[mike.willson@okc.gov](mailto:mike.willson@okc.gov)> wrote:

**EXTERNAL EMAIL:** This email originated from outside of the organization. Do not click links or open attachments unless you recognize the sender and know the content is safe.

I had thought that we were talking about the FDC connection. This is just the main riser connection as it enters the building, correct? Not a line that runs outside to a freestanding Fire Department Connection?

---

**From:** Andrew Spencer <[aspencer@heavycontractors.com](mailto:aspencer@heavycontractors.com)>

**Sent:** Friday, September 15, 2023 1:18 PM

**To:** Willson, Michael R <[mike.willson@okc.gov](mailto:mike.willson@okc.gov)>

**Subject:** Fire Riser Material Type Question

**WARNING:** The sender of this email could not be validated and may not match the person in the "From" field..

Mike,

Thank you for taking my call. As you can see below in the fire riser room it is shown to come through the slab with C900 PVC. I was wondering if this was an acceptable material for the riser, I had not seen PVC ran through the floor slab for connection onto the fire riser backflow before.

<image001.jpg>

<image002.jpg>

<image003.png>

**Andrew Spencer**

Superintendent

15926 S. May Ave

Oklahoma City, OK 73170

c: 417-300-2760

[aspencer@heavycontractors.com](mailto:aspencer@heavycontractors.com)

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

<image004.png>

<image005.png>

<image006.png>

<image007.png>

<image008.png>

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S. Canadian WWTP Expansion  
Cost Breakdown

Project No. ST-0138 Date 12/1/2023

Entity Oklahoma City Water Utilities Trust Contractor Crossland Heavy Contractors

Description of Work Auger Cast Pile Specification Creation Credit

1. a) <b>Labor Total</b> (Refer to Attachment A)		\$	-
b) Labor Overhead & Profit	1.a) x 15.00% =	\$	-

2. a) <b>Material Total</b> (Refer to Attachment B)		\$	-
b) Material Overhead & Profit	2.a) x 15.00% =	\$	-

3. a) <b>Equipment Total</b> (Refer to Attachment C)		\$	-
b) Equipment Overhead & Profit	3.a) x 0.00% =	\$	-

4. a) <b>Subcontracted Work Total</b>		\$	(50,000.00)
b) Prime Contractor Overhead on Subcontracted Work	4.a) x 0.00% =	\$	-

5. a) <b>Workers Compensation</b>	1.a) / 100 x \$ 1.50 =	\$	-
b) <b>Unemployment Insurance Contribution</b>	1.a) x 4.30% =	\$	-
c) <b>Social Security Taxes</b>	1.a) x 8.00% =	\$	-
d) <b>Employee Fringe Benefits</b>	1.a) x 20.00% =	\$	-

6. a) <b>Subtotal Cost of Work</b>	1. + 2. + 3. + 4. + 5. =	\$	(50,000.00)
b) <b>General/Administrative</b>	6.a) x 0.00% =	\$	-
c) <b>Bonds</b>	6.a) x 0.00% =	\$	-
d) <b>Property Damage &amp; Liability Insurance</b>	6.a) x 0.00% =	\$	-

7. <b>Total Cost of Work</b>	Unit Price \$ (50,000.00) Quantity 1 Unit of Measure LS	\$	(50,000.00)
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## Attachment A - Labor Total

Contract ID: 0

Description: Auger Cast Pile Specification Creation Credit

[illegible]

### Attachment B - Material Total

Contract ID: 0

Description: Auger Cast Pile Specification Creation Credit

[illegible]

### Attachment C - Equipment Total

Contract ID: 0

Description: Auger Cast Pile Specification Creation Credit

Equipment Type	No.	Cost/Hour	Total Hours	Amount for Each Type
		\$ -	0.00	\$ -
		\$ -	0.00	\$ -
<b>Equipment Total</b>				\$ -



S. Canadian WWTP Expansion  
Cost Breakdown

Project No. ST-0138 Date 12/1/2023

Entity Oklahoma City Water Utilities Trust Contractor Crossland Heavy Contractors

Description of Work Extra Design Work for Eco2 Equipment

1. a) <b>Labor Total</b> (Refer to Attachment A)		\$	-
b) Labor Overhead & Profit	1.a) x 15.00% =	\$	-

2. a) <b>Material Total</b> (Refer to Attachment B)		\$	-
b) Material Overhead & Profit	2.a) x 15.00% =	\$	-

3. a) <b>Equipment Total</b> (Refer to Attachment C)		\$	-
b) Equipment Overhead & Profit	3.a) x 0.00% =	\$	-

4. a) <b>Subcontracted Work Total</b>		\$	(45,000.00)
b) Prime Contractor Overhead on Subcontracted Work	4.a) x 0.00% =	\$	-

5. a) <b>Workers Compensation</b>	1.a) / 100 x \$ 1.50 =	\$	-
b) <b>Unemployment Insurance Contribution</b>	1.a) x 4.30% =	\$	-
c) <b>Social Security Taxes</b>	1.a) x 8.00% =	\$	-
d) <b>Employee Fringe Benefits</b>	1.a) x 20.00% =	\$	-

6. a) <b>Subtotal Cost of Work</b>	1. + 2. + 3. + 4. + 5. =	\$	(45,000.00)
b) <b>General/Administrative</b>	6.a) x 0.00% =	\$	-
c) <b>Bonds</b>	6.a) x 0.00% =	\$	-
d) <b>Property Damage &amp; Liability Insurance</b>	6.a) x 0.00% =	\$	-

7. <b>Total Cost of Work</b>	Unit Price \$ (45,000.00) Quantity 1 Unit of Measure LS	\$	(45,000.00)
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## Attachment A - Labor Total

Contract ID: 0

Description: Extra Design Work for Eco2 Equipment

[illegible]

### Attachment B - Material Total

Contract ID: 0

Description: Extra Design Work for Eco2 Equipment

[illegible]

### Attachment C - Equipment Total

Contract ID: 0

Description: Extra Design Work for Eco2 Equipment

Equipment Type	No.	Cost/Hour	Total Hours	Amount for Each Type
		\$ -	0.00	\$ -
		\$ -	0.00	\$ -
<b>Equipment Total</b>				\$ -



S. Canadian WWTP Expansion  
Cost Breakdown

**Project No.** ST-0138 **Date** 2/6/2023

**Entity** Oklahoma City Water Utilities Trust **Contractor** Crossland Heavy Contractors

**Description of Work** Effluent Line - Open Cut Credit In Place of Bore at Wetland Areas

1	a	<b>Labor Total</b> (Refer to Attachment A)							\$	-
.	)									
	b	Labor Overhead & Profit	1.a)	x	15.00%	=			\$	-
	)									

2	a	<b>Material Total</b> (Refer to Attachment B)							\$	-
.	)									
	b	Material Overhead & Profit	2.a)	x	15.00%	=			\$	-
	)									

3	a	<b>Equipment Total</b> (Refer to Attachment C)							\$	-
.	)									
	b	Equipment Overhead & Profit	3.a)	x	0.00%	=			\$	-
	)									

4	a	<b>Subcontracted Work Total</b>							\$	(200,000.00)
.	)									
	b	Prime Contractor Overhead on Subcontracted Work	4.a)	x	0.00%	=			\$	-
	)									

5	a	<b>Workers Compensation</b>	1.a)	/	100	x	\$ 1.50	=	\$	-
.	)									
	b	<b>Unemployment Insurance Contribution</b>	1.a)	x	4.30%	=			\$	-
	)									
	c)	<b>Social Security Taxes</b>	1.a)	x	8.00%	=			\$	-
	d	<b>Employee Fringe Benefits</b>	1.a)	x	20.00%	=			\$	-
	)									

6	a	<b>Subtotal Cost of Work</b>	1.	+	2.	+	3.	+	4.	+	5.	=	\$	(200,000.00)
.	)													
	b	<b>General/Administrative</b>	6.a)	x	0.00%	=			\$	-				
	)													
	c)	<b>Bonds</b>	6.a)	x	1.00%	=			\$	(2,000.00)				
	d	<b>Property Damage &amp; Liability Insurance</b>	6.a)	x	1.50%	=			\$	(3,000.00)				
	)													

7	.	<b>Total Cost of Work</b>	Unit Price	\$	(205,000.00)	Quantity	1	Unit of Measure	LS	\$	<b>(205,000.00)</b>
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McKee Utility Contractors, Inc.  
2319 West Main Street  
Prague, OK 74864

Date: 3/21/2023

Mr. Justin Lillie  
Crossland Heavy Contractors  
501 S. East Ave  
Columbus, KS 66725

Re: South Canadian Wastewater Treatment Plant Improvements  
Project No. – 22O15SP

Dear Mr. Lillie,

Pursuant to our conversations with the Engineer and Owner in a meeting on 3/20/2023, McKee Utility Contractors, LLC. would like to offer a total credit of \$200,000.00 for the removal of the tunnels on the 54" effluent line for the above referenced contract. This assumes that, per our conversations with the Engineer and Engineers Representatives, the USACE permit that has been submitted and is pending approval will allow open cut installation of the Hobas pipe through the wetland areas.

Additionally, the resequencing charge of \$46,329.00 will not be required. Please provide written directive from the Owner to proceed with open cutting through the wetlands areas upon issuance of the permit.

Respectfully,

Tori Ferguson



S. Canadian WWTP Expansion  
Cost Breakdown

Project No. ST-0138 Date 8/6/2023

Entity Oklahoma City Water Utilities Trust Contractor Crossland Heavy Contractors

Description of Work Electrical Credit for Handhole Boxes

1. a) <b>Labor Total</b> (Refer to Attachment A)		\$	-
b) Labor Overhead & Profit	1.a) x 15.00% =	\$	-

2. a) <b>Material Total</b> (Refer to Attachment B)		\$	-
b) Material Overhead & Profit	2.a) x 15.00% =	\$	-

3. a) <b>Equipment Total</b> (Refer to Attachment C)		\$	-
b) Equipment Overhead & Profit	3.a) x 0.00% =	\$	-

4. a) <b>Subcontracted Work Total</b>		\$	(75,300.54)
b) Prime Contractor Overhead on Subcontracted Work	4.a) x 0.00% =	\$	-

5. a) <b>Workers Compensation</b>	1.a) / 100 x \$ 1.50 =	\$	-
b) <b>Unemployment Insurance Contribution</b>	1.a) x 4.30% =	\$	-
c) <b>Social Security Taxes</b>	1.a) x 8.00% =	\$	-
d) <b>Employee Fringe Benefits</b>	1.a) x 20.00% =	\$	-

6. a) <b>Subtotal Cost of Work</b>	1. + 2. + 3. + 4. + 5. =	\$	(75,300.54)
b) <b>General/Administrative</b>	6.a) x 0.00% =	\$	-
c) <b>Bonds</b>	6.a) x 1.00% =	\$	(753.01)
d) <b>Property Damage &amp; Liability Insurance</b>	6.a) x 1.50% =	\$	(1,129.51)

7. <b>Total Cost of Work</b>	Unit Price \$ (77,183.05) Quantity 1 Unit of Measure LS	\$	<b>(77,183.05)</b>
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**Oil Capital Electric, LLC**  
 37 NE 31st  
 Oklahoma City, OK 73105  
 Phone: (405) 840-8998 Fax: (405) 840-9120  
 Oklahoma License No. 1588

## V/E Proposal - Precast 3' x 3' x 4' Handhole

Date: April 6, 2023

Project: South Canadian WWTP

To: Jason Smith Change Order: OCE VE Proposal

Description: Labor and materials associated with changes

Material	Quantity	Cost	Total
QUAZ PG1324BA18	8	441.00	\$ 3,528.00
QUAZ PG1324HA0009	8	434	\$ 3,472.00
QUAZ PG1730BA18	6	573	\$ 3,438.00
QUAZ PG1730HA0009	6	497	\$ 2,982.00
PB 3x3x48x6W Bottom-Oldcastle	-14	3210	\$ (44,940.00)
			\$ -
			\$ -
			\$ -
Subtotal			\$ (31,520.00)

Labor	Hours	Rate	Total
Electrician	-216	72.50	\$ (15,660.00)
Supervision	-8	115.00	\$ (920.00)
			\$ -
Subtotal			\$ (16,580.00)

Equipment	Quantity	Rate	Total
Small Tool	-216	3	\$ (648.00)
Large Tool	-216	5	\$ (1,080.00)
Subtotal			\$ (1,728.00)

Subcontractor			Amount
Hanhole Excavation	-14	1,625	\$ (22,750.00)
Subtotal			\$ (22,750.00)

Bond	0.00%	\$ -	Subtotal Above	\$ (72,578.00)
Insurance	0.00%	\$ -	Subtotal Left Column	\$ (2,722.54)
Material Taxes	8.638%	\$ (2,722.54)		
Overhead	0.00%	\$ -	<b>ALL Total</b>	\$ (75,300.54)
Profit	0.00%	\$ -		

HANDHOLES BILL OF MATERIALS			
Drawing	OCE PN	Manhole/Handole Size	Modification from original design
E-075	E-075-01	17" x 30" x 18"	Yes
#QUAZ PG1730BA18 STK BX STD OPN BASE		POLYMER	
CONCRETE MATERIAL; 32-1/4 INCH; 18 INCH; 19-1/4 INCH; UL APPROVAL; STACKABLE MOUNTING; PG SERIES COVER TYPE; OPEN BASE TYPE; UNDERGROUND SERVICE TYPE; SERIES PG MODEL			
#QUAZ PG1730HA0009 SER BX LKG CVR		HEAVY	
DUTY TYPE; POLYMER CONCRETE MATERIAL; CONCRETE GRAY COLOR; 17-1/2 INCH; 2 INCH; 30 1/2 INCH; UL APPROVAL; (2) 3/8 INCH STAINLESS STEEL HEX HEAD BOLT MOUNTING HARDWARE; 15000/22500 POUND LOAD CAPACITY; 32-1/2 INCH LENGTH X 19-1/2 INCH WIDTH BOX SIZE			
E-075	E-075-02	17" x 30" x 18"	Yes
#QUAZ PG1730BA18 STK BX STD OPN BASE			
#QUAZ PG1730HA0009 SER BX LKG CVR			
E-076	E-076-01	17" x 30" x 18"	Yes
#QUAZ PG1730BA18 STK BX STD OPN BASE			Currently in road traffic rated-modification will move south to the yard
#QUAZ PG1730HA0009 SER BX LKG CVR			
E-076	E-076-02	13" x 24" x 18"	Yes
#QUAZ PG1324BA18 STK BX STD OPN BASE		POLYMER	
CONCRETE MATERIAL; 25 INCH; 18 INCH; 15-1/2 INCH; UL APPROVAL; STACKABLE MOUNTING; PG SERIES COVER TYPE; OPEN BASE TYPE; UNDERGROUND SERVICE TYPE; SERIES PG MODEL			
#QUAZ PG1324HA0009 SER BX LKG CVR			
HEAVY DUTY TYPE; POLYMER CONCRETE MATERIAL; CONCRETE GRAY COLOR; 13-3/4 INCH; 2 INCH; 23-1/4 INCH; UL APPROVAL; (2) 3/8 INCH STAINLESS STEEL HEX HEAD BOLT MOUNTING HARDWARE; 15000/22500 POUND LOAD CAPACITY; 25-1/2 INCH LENGTH X 16 INCH WIDTH BOX SIZE			
E-076	E-076-03	17" x 30" x 18"	Yes
#QUAZ PG1730BA18 STK BX STD OPN BASE			Currently in road traffic rated-modification will move south to the yard
#QUAZ PG1730HA0009 SER BX LKG CVR			
E-076	E-076-04	17" x 30" x 18"	Yes
#QUAZ PG1730BA18 STK BX STD OPN BASE			sidewalk traffic rated
#QUAZ PG1730HA0009 SER BX LKG CVR			
E-076	E-076-05	17" x 30" x 18"	Yes
#QUAZ PG1730BA18 STK BX STD OPN BASE			sidewalk traffic rated
#QUAZ PG1730HA0009 SER BX LKG CVR			
E-076	E-076-06	3'-0" x 3'-0" x 4'-0"	NA
E-076	E-076-07	3'-0" x 3'-0" x 4'-0"	NA
E-076	E-076-08	13" x 24" x 18"	Yes
#QUAZ PG1324BA18 STK BX STD OPN BASE			
#QUAZ PG1324HA0009 SER BX LKG CVR			
E-077	E-077-01	13" x 24" x 18"	Yes
#QUAZ PG1324BA18 STK BX STD OPN BASE			
#QUAZ PG1324HA0009 SER BX LKG CVR			
E-077	E-077-02	13" x 24" x 18"	Yes
#QUAZ PG1324BA18 STK BX STD OPN BASE			
#QUAZ PG1324HA0009 SER BX LKG CVR			
E-077	E-077-03	3'-0" x 3'-0" x 4'-0"	NA
E-077	E-077-05	3'-0" x 3'-0" x 4'-0"	NA
E-078	E-078-01	3'-0" x 3'-0" x 4'-0"	NA
E-078	E-078-02	3'-0" x 3'-0" x 4'-0"	NA
E-078	E-078-03	3'-0" x 3'-0" x 4'-0"	NA
E-078	E-078-04	3'-0" x 3'-0" x 4'-0"	NA
E-078	E-078-05	3'-0" x 3'-0" x 4'-0"	NA
E-080	E-080-01	13" x 24" x 18"	Yes
#QUAZ PG1324BA18 STK BX STD OPN BASE			
#QUAZ PG1324HA0009 SER BX LKG CVR			
E-081	E-081-01	3'-0" x 3'-0" x 4'-0"	NA
E-081	E-081-02	3'-0" x 3'-0" x 4'-0"	NA
E-082	E-082-01	13" x 24" x 18"	Yes
#QUAZ PG1324BA18 STK BX STD OPN BASE			
#QUAZ PG1324HA0009 SER BX LKG CVR			
E-083	E-083-01	3'-0" x 3'-0" x 4'-0"	NA
E-083	E-083-02	3'-0" x 3'-0" x 4'-0"	NA
E-085	E-085-01	13" x 24" x 18"	Yes
#QUAZ PG1324BA18 STK BX STD OPN BASE			
#QUAZ PG1324HA0009 SER BX LKG CVR			
E-086	E-086-01	13" x 24" x 18"	Yes
#QUAZ PG1324BA18 STK BX STD OPN BASE			
#QUAZ PG1324HA0009 SER BX LKG CVR			



# Enclosure, Box, Polymer Concrete

by QUAZITE  
Catalog ID: PG1324BA18

Box, polymer concrete, Tier 22, 13"x24"x18", Straight Wall, Open Bottom

## Product Details

### General

Insulated?	No
Load Rating (ANSI Tier)	T22
Material	Polymer Concrete
Type	Below Ground Boxes
UPC	662037100391

### Dimensions

Height	18 in
Length	15.438 in
Weight	76.65 lb
Width	25 in

For further technical assistance, please contact us

#### Domestic Customer Service

Hubbell Power Systems  
210 N. Allen Centralia, MO 65240 USA  
Phone: (573) 682-5521  
Fax: (573) 682-8475  
Email: [hpscscs@hubbell.com](mailto:hpscscs@hubbell.com)

#### International Customer Service

Phone: +1-573-682-5521  
Fax: +1-573-682-8516  
Email: [hpsintlcs@hubbell.com](mailto:hpsintlcs@hubbell.com)



# Enclosure, Cover, Polymer Concrete

by QUAZITE  
Catalog ID: PG1324HA0009

Cover, Polymer Concrete, Heavy Duty Tier 15, 13"x24"x2", 1-piece w/ 2 Bolts, Blank Logo



\* Representative image

## Product Details

### General

Insulated?	No
Load Rating (ANSI Tier)	T15
Logo Code	017
Logo Included?	Yes
Logo Text	Electric
Material	Polymer Concrete
UPC	662037100414
Weight Load Rating (Design/Test)	15,000/22,500 lb

### Dimensions

Height	2 in
Length	23.25 in
Weight	51 lb
Width	13.75 in

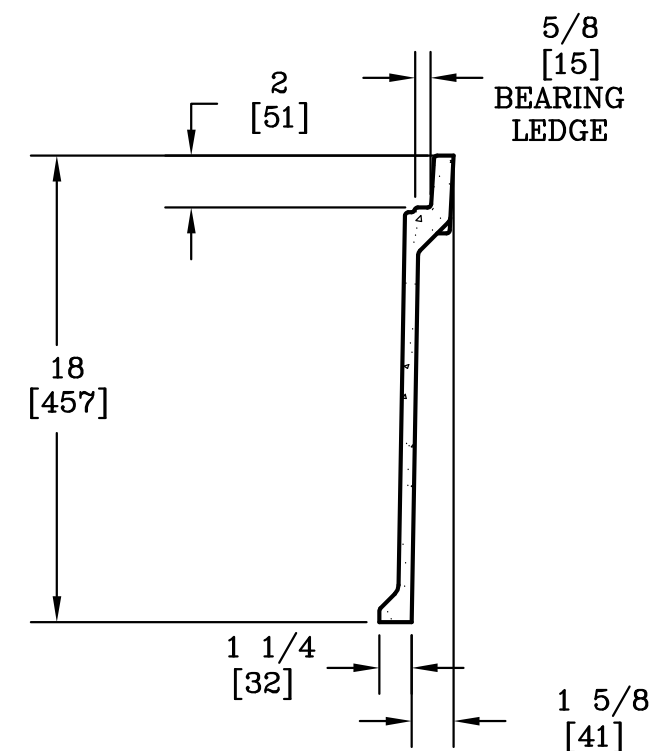
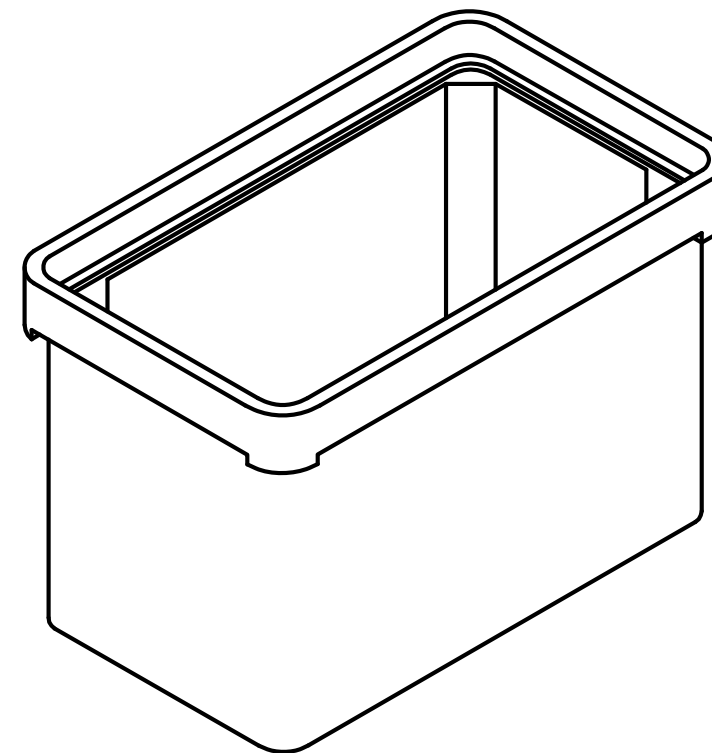
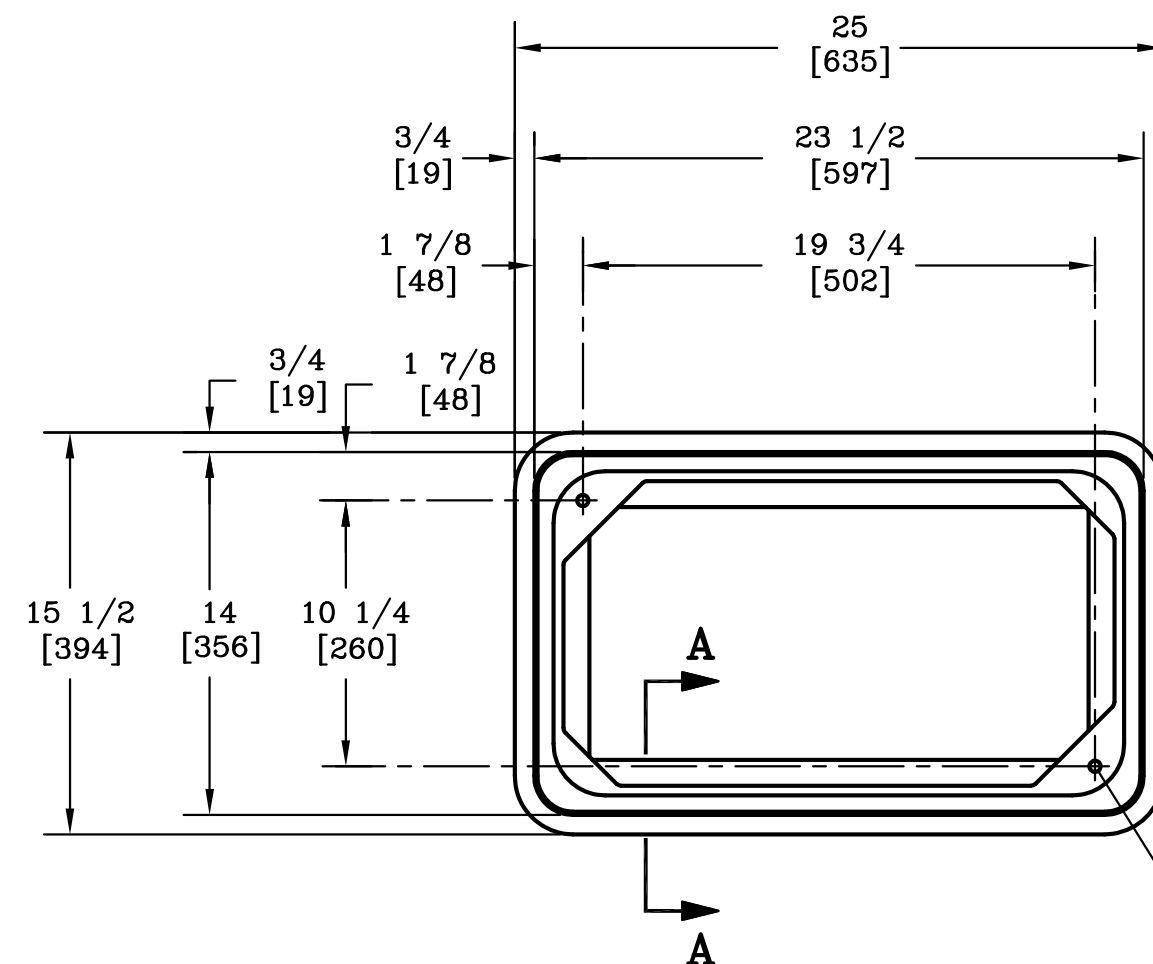
For further technical assistance, please contact us

#### Domestic Customer Service

Hubbell Power Systems  
210 N. Allen Centralia, MO 65240 USA  
Phone: (573) 682-5521  
Fax: (573) 682-8475  
Email: [hpscs@hubbell.com](mailto:hpscs@hubbell.com)

#### International Customer Service

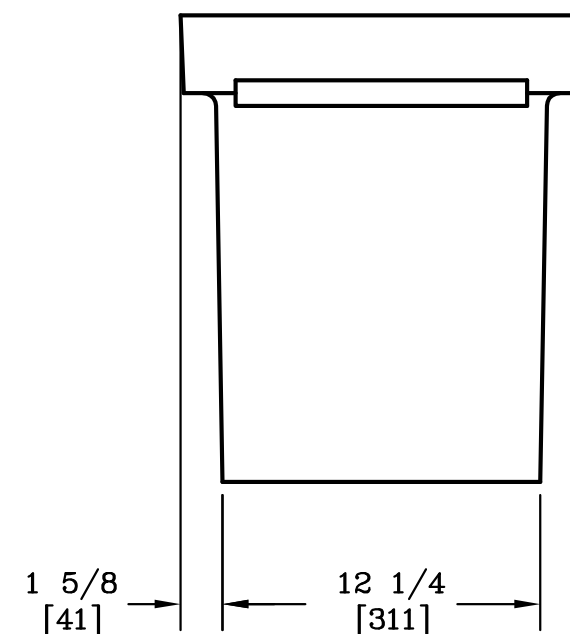
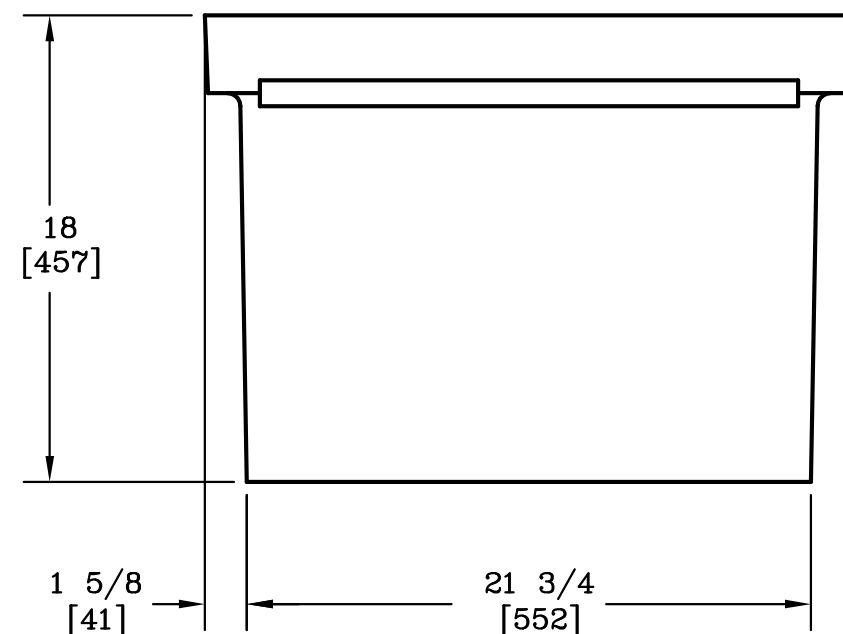
Phone: +1-573-682-5521  
Fax: +1-573-682-8516  
Email: [hpsintlcs@hubbell.com](mailto:hpsintlcs@hubbell.com)




# **SECTION A-A**

## **NOTE:**

- THIS BOX IS RATED FOR ANSI/SCTE 77 2010 TIER 22.



DIMENSIONS ARE IN INCHES OR MILLIMETERS IN BRACKETS UNLESS OTHERWISE NOTED.						
	BY	DATE	WEIGHT 73# 33kg.		3621 INDUSTRIAL PARK DR LENOIR CITY, TN 37771 800-346-3062 www.quazite.com	LOC
DRN	<i>DLB</i>	12/19/88				S
CHK	<i>MBF</i>	12/19/88	SCALE	DRAWING DESCRIPTION  <b>QUAZITE® BOX</b> <b>13 X 24 X 18</b>		REV
ENG	<i>FTD</i>	12/19/88	1 1/2"=1'			K
APR	<i>FMS</i>	12/19/88	SIZE			3/12
APR	<i>VJB</i>	12/20/88	B			
PROJECT NUMBER <b>82001</b>			SHEET 1 OF 1			DRAWING NUMBER <b>PG1324BA18</b>



\* Representative image

# Enclosure, Box, Polymer Concrete

by QUAZITE  
Catalog ID: PG1730BA18

Box, polymer concrete, Tier 22, 17"x30"x18", Straight Wall, Open Bottom

## Product Details

### General

Insulated?	No
Load Rating (ANSI Tier)	T22
Material	Polymer Concrete
Type	Below Ground Boxes
UPC	662037100445

### Dimensions

Height	18 in
Length	19.25 in
Weight	92.4 lb
Width	32.25 in

**For further technical assistance, please contact us**

#### Domestic Customer Service

Hubbell Power Systems  
210 N. Allen Centralia, MO 65240 USA  
Phone: (573) 682-5521  
Fax: (573) 682-8475  
Email: [hpscs@hubbell.com](mailto:hpscs@hubbell.com)

#### International Customer Service

Phone: +1-573-682-5521  
Fax: +1-573-682-8516  
Email: [hpsintlcs@hubbell.com](mailto:hpsintlcs@hubbell.com)





# Enclosure, Cover, Polymer Concrete

by QUAZITE  
Catalog ID: PG1730HA0009

Cover, Polymer Concrete, Heavy Duty Tier 15, 17"x30"x2", 1-piece w/ 2 Bolts, Blank Logo



\* Representative image

## Product Details

### General

Insulated?	No
Load Rating (ANSI Tier)	T15
Logo Code	009
Logo Included?	Yes
Logo Text	Blank
Material	Polymer Concrete
UPC	662037100476
Weight Load Rating (Design/Test)	15,000/22,500 lb

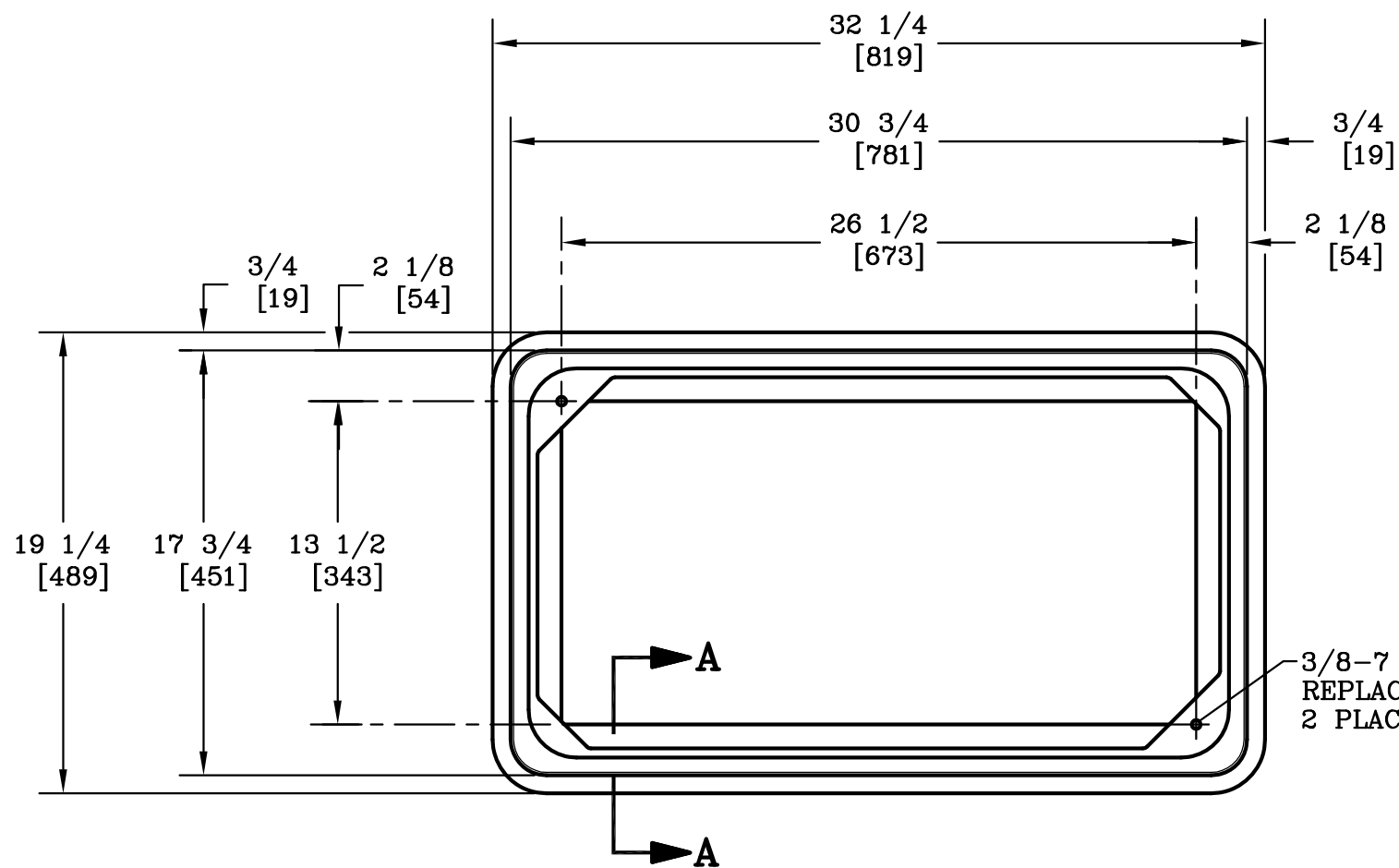
### Dimensions

Height	2 in
Length	30.5 in
Weight	82 lb
Width	17.5 in

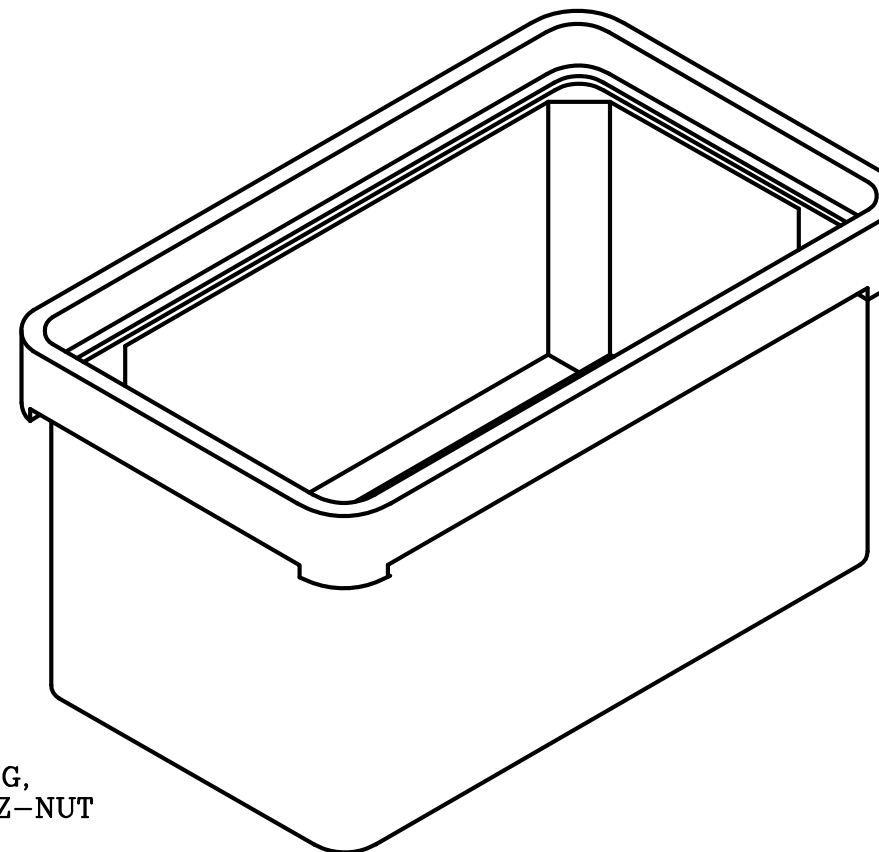
For further technical assistance, please contact us

**Domestic Customer Service**  
Hubbell Power Systems  
210 N. Allen Centralia, MO 65240 USA  
Phone: (573) 682-5521  
Fax: (573) 682-8475  
Email: [hpscsc@hubbell.com](mailto:hpscsc@hubbell.com)

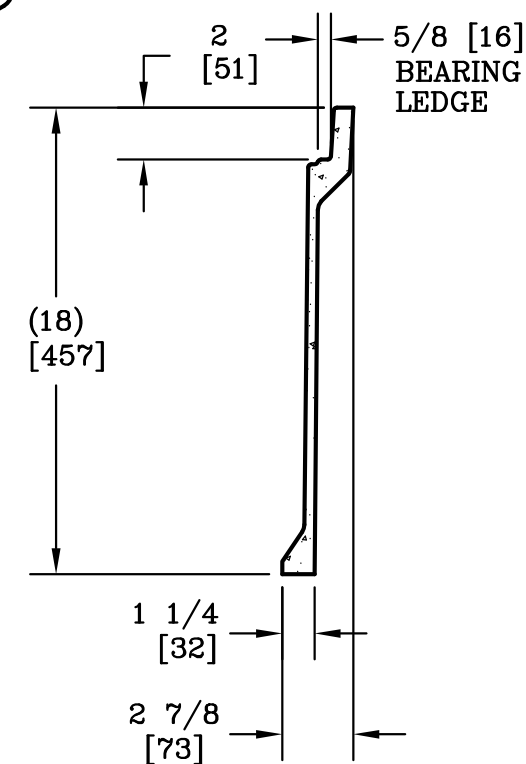
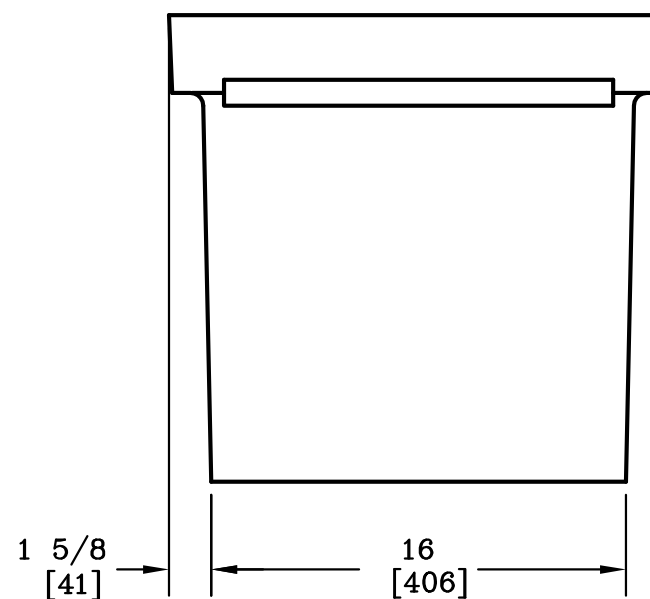
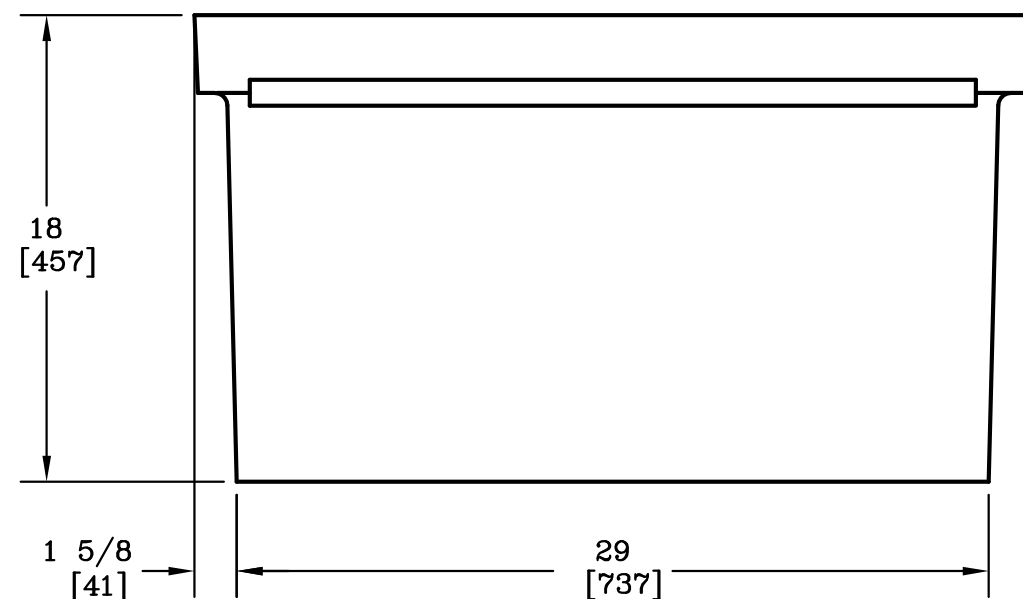
**International Customer Service**  
Phone: +1-573-682-5521  
Fax: +1-573-682-8516  
Email: [hpsintlcs@hubbell.com](mailto:hpsintlcs@hubbell.com)



3/8-7 SELF ALIGNING,  
REPLACEABLE S.S. EZ-NUT  
2 PLACES



CUSTOMER APPROVAL  
APPROVED BY: \_\_\_\_\_  
DATE: \_\_\_\_\_




### SECTION A-A

#### NOTE:

- THIS BOX IS RATED FOR ANSI/SCTE 77 2010 TIER 22.



DIMENSIONS ARE IN INCHES OR MILLIMETERS IN BRACKETS UNLESS OTHERWISE NOTED.						
	BY	DATE	WEIGHT 87# 39kg		3621 INDUSTRIAL PARK DR LENOIR CITY, TN 37771 800-346-3062 www.quazite.com	LOC
DRN	RLP	8/4/92				S
CHK	MSF	8/4/92	SCALE	DRAWING DESCRIPTION	QUAZITE® BOX 17 X 30 X 18	REV
ENG	FMS	8/4/92	1 1/2"=1'			I
APR	MS	8/4/92	SIZE			3/12
APR			B			
PROJECT NUMBER 87574				SHEET 1 OF 1		DRAWING NUMBER PG1730BA18



S. Canadian WWTP Expansion  
Cost Breakdown

Project No. ST-0138 Date 4/14/2023

Entity Oklahoma City Water Utilities Trust Contractor Crossland Heavy Contractors

Description of Work Credit for switch to CompacLogix PLC from ControlLogix PLC for Odor Control System

1. a) <b>Labor Total</b> (Refer to Attachment A)		\$	-
b) Labor Overhead & Profit	1.a) x 15.00% =	\$	-

2. a) <b>Material Total</b> (Refer to Attachment B)		\$	-
b) Material Overhead & Profit	2.a) x 15.00% =	\$	-

3. a) <b>Equipment Total</b> (Refer to Attachment C)		\$	-
b) Equipment Overhead & Profit	3.a) x 0.00% =	\$	-

4. a) <b>Subcontracted Work Total</b>		\$	(52,523.52)
b) Prime Contractor Overhead on Subcontracted Work	4.a) x 0.00% =	\$	-

5. a) <b>Workers Compensation</b>	1.a) / 100 x \$ 1.50 =	\$	-
b) <b>Unemployment Insurance Contribution</b>	1.a) x 4.30% =	\$	-
c) <b>Social Security Taxes</b>	1.a) x 8.00% =	\$	-
d) <b>Employee Fringe Benefits</b>	1.a) x 20.00% =	\$	-

6. a) <b>Subtotal Cost of Work</b>	1. + 2. + 3. + 4. + 5. =	\$	(52,523.52)
b) <b>General/Administrative</b>	6.a) x 0.00% =	\$	-
c) <b>Bonds</b>	6.a) x 1.00% =	\$	(525.24)
d) <b>Property Damage &amp; Liability Insurance</b>	6.a) x 1.50% =	\$	(787.85)

7. <b>Total Cost of Work</b>	Unit Price \$ (53,836.61) Quantity 1 Unit of Measure LS	\$	<b>(53,836.61)</b>
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April 14, 2023

Matthew Cox  
Project Engineer  
Crossland Heavy Contractors  
14149 E. Admiral  
Tulsa, OK 74116

Re: South Canadian Odor Control

Mathew,

As we have discussed with you recently, the lead time on the specified ControlLogix PLC is excessive and puts the project timing at risk. Lead time is currently quoted at 190 days with no guarantee. We are aware that the manufacture has been unreliable on even these long lead times. The odor control system has very few inputs and outputs. These can be easily handles by the CompactLogix PLC, which we have in stock.

The CompactLogix PLC is less expensive than the ControlLogix PLC. As compensation for the change, PureAir proposes to accept a change order which reduces the price by the amount of this change. That amount is US \$52,523.52. See attached documentation, noting that the pricing shown is an Canadian dollars (from our Canadian controls provider) and that there are 10 units required.

We are anxious to get past the delivery issue to get back on delivery schedule. Please do let us know if there are any questions in this regard.

With Best Regard,

Kevin F Jameson

Kevin Jameson  
CEO





To Whom It May Concern:  
Re: PLC Pricing

April 14, 2023

This letter is to confirm our purchase price for Allen-Bradley hardware. All prices are in Canadian dollars.

KJ's purchase price for the Allen-Bradley 1756-L81E is \$7981.24 per unit.

KJ's purchase price for the 1769-L16ER-BB1B is \$2231.43 per unit.

Regards,  
Graham

Graham Davidson, P.Eng.  
Project Manager  
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