

MINUTES OF THE BOARD OF PUBLIC WORKS

Tuesday October 17, 2023

The Regular Meeting of the Board of Public Works held on October 17, 2023 at 7:30 a.m. in the City Council Chambers located at 405 Jefferson Street, Washington, Missouri. The following were present/absent:

MEMBERS:

Chairman	John Vietmeier	Present
Vice Chairman	Brad Mitchell	Present
Secretary	Mike Radetic	Present
Member	Steve Richardson	Present
Ex-officio Member	Steve Strubberg	Absent
Ex-officio Member	Vacant	

OTHERS:

Council Representative	Mike Coulter	Present
Council Representative	Chad Briggs	Absent
Mayor	James Hagedorn	Present
City Administrator	Darren Lamb	Absent
Public Works Superintendent	Kevin Quaethem	Present
Water/Wastewater Admin. Asst.	Theresa Lamke	Present
Interim City Engineer	Charles Stankovic	Present
Assistant City Engineer	Andrea Lueken	Absent
Waste Water Foreman	Kerry Duke	Present
Water Foreman	Dylan Voss	Present
GIS Engineering	Sarah Skeen	Present

Originals and/or copies of agenda items of the meeting, including recorded votes are available on record in the office of the Public Works Department for one year. Video/DVD and audio tapes are kept only until the minutes have been approved for the meeting. DVD copies of this meeting are distributed to Board Members if requested.

Minutes

A motion made by Mr. Mitchell and seconded by Mr. Richardson to approve the minutes from the regular meeting held September 26, 2023 meeting. The motion passed without dissent.

Priority Items

You all may notice sitting to your left is a new person; that'll be Theresa Lamke, she is taking over for Sarah, who has moved to the planning position, GIS position at City Hall. Theresa will be our new, well, she's not new, she is our current utility billing clerk out of City Hall; she's moved out to public work. She will be utility billing clerk/administrative assistant for the water and wastewater departments, taking on both roles. Some of the stuff that Sarah did has been transferred over to Martie, my clerk, and she's handling some of it. Theresa will pick up the rest, and Theresa will continue as utility billing. What that gives us, is the ability to bring somebody that has a ton of city experience that's been dealing with water and wastewater. How many years now? 28. There you go. 28 years. So we're not losing that, as she just has been moved out to public works in the water, where she should be, because we are water and wastewater 99% of her job was water and wastewater through utility billing.

Any of the concerns from residents will now be directed out to public works, where they should be. That way, we can handle it all at one time rather than the way it is now. They come into City hall, they go up to the counter, they start there with their complaint or their problem, then it gets transferred to Theresa; then it's either a phone call or an email, so it's just going to make it so much easier and more streamlined to process. Not that we have that many. I'm not saying we have a lot of complaints, but when we do have those ones, it's usually the worst complaints you can get. So that's where they need to be handled anyway. So Theresa, she is taking over for Sarah, and she will be running Sarah's part of the meetings here shortly by herself.

Wastewater

We've got a bill from Vandevanter for \$3,413.75. **Tell us about that Kevin.** Yes. This is some work at the treatment plant for one of our VFDs down there. Some of the stuff that we do on a monthly, sometimes weekly or biweekly basis. I'm just asking your approval to pay for it, and we'll move on. A motion made by Mr. Radetic and seconded by Mr. Richardson to approve payment to Vandevanter in the amount of \$3,413.75. The motion passed without dissent.

It looks like from going through this, that there's a problem with the mixer. Is that going to be something we're going to have to address in the future? We're working on that right now. Our mixers are going out. We've already replaced one. We have three more to go. But the plant is, what, 14 years old? So it's just equipment that is just eventually breaking down. And you'll probably have the pay request for that one. A lot of these smaller things that were day to day operations, I kind of was just running through and paying and getting done. But I'm going to start bringing these to you guys so you guys can actually see, get a lot better feel for what's actually going on.

That makes a difference because we talk about all the expenses, and we see the big ones. But you don't see the small ones. And if it gets to a point where you guys just say, okay "we've seen enough" we don't need to see them, just let me know. But I kind of want you guys to start seeing some of what's going on out there.

Next item is a sewer line improvement on Fair Street. What we've got over there is we have four addresses that, for whatever reason, back when they were built, the builder or whoever did that, I hate to say it, but the city allowed them to hook four houses on one four inch, service lateral. What we have now is a situation at the very first house on top of the hill that has a cleanout, something happens, it gets plugged up. More than likely we could assume it's rags, because that's what we seem to find all over the place. It's plugging up that four inch line somewhere in that run it's about 200 foot run of four inch. The sewage comes out of the top, cleanout runs down the curb into the creek, runs into the creek, runs down to the Missouri river receiving streams. Well, every creek in Washington is what the DNR considers a receiving stream; as soon as that happens, we're in violation of allowing sewage to be discharged onto the city streets. On the wastewater side, but also on the MS4 side.

We have got to fix it. The thing is, I'm bringing this to you guys because we could have just went out there and put a new line in, but this is something I've talked to Charles about; we have always been on the stand of, well, it's a combined service lateral, we don't do anything about it. This is a completely different situation than a whole lot of the other situations that are out there. I think, as the wastewater department, it falls on our responsibility to correct this problem, because it's in a city street, on city right away, city easement and everything else. It's not in like four people's backyards where there's no easements, street, four inches right behind the curb. We have the ability to run 200 foot set of manhole and have fall and flow and everything that should have been done originally, it wasn't done.

And the reality of it is, at some point, I would suspect that one of our inspectors allowed it to go through at the beginning?

At some point, exactly. I look at it as if it kind of falls on us to repair. Because the city we do very good at catching all of this stuff now. But in the past, as we can see, it didn't happen. I'm not pointing fingers, I'm not judging anybody. It just happened. We have to fix it. And the other thing is, now it's so easy for residents and they have the right to do it, to go on DNR's website and actually file a complaint via their website. We don't want to have that start happening to us. It's going to run right around \$5,000 to do it. We'll do it in house. Our crews will do it and then we will reconnect the service laterals to the new existing main, their house is their responsibility. That's what this letter is all about. A long explanation for this letter. I'm asking for you approval to proceed with this project, to correct this issue. And we will do a case by case review staff, Charles and I and the guys, every time we have a situation like this come up, it will be reviewed, and then at that point, we'll make a staff determination and a recommendation to you

again at that, too. There's some areas that we really need to focus on being careful where we go down the road.

Kevin, I guess the homeowners don't bear any of the responsibility and obviously one of them or some of the four are causing the problem? Yeah, unfortunately.

Obviously those four houses are causing; it's their sewer that's in the street. One of those four houses are causing the backup. We don't know which one it is because we can't even get in the line to even see which one it is. So it's hard to go and say, you're causing the problem It's kind of an all in one problem.

Then they all share in the cost of a problem that they're causing.

Well, we could try and go down that avenue, but it was allowed to be done that way back then. I have a hard time figuring out where that responsibility falls. I feel like the city dropped the ball back then when they should have had a main there; to go and try and get a person that probably wasn't even involved in building the house in the beginning that doesn't even know what's going on. I don't know when these houses were built. I assume that this may have been the norm then. Yes, totally different now. Yes, 100%, They should pay for it all. But I don't want a situation to where obviously they're causing the problem, right, wrong or indifferent, they bought a house that had an issue not knowing right, wrong or indifferent. It's our job to go fix it but not our job to pay for all of it. Because it's not too much different than the situation we had on Rabbit Trail where we know that the stuff was coming out of the nursing home. We had four of them blocked and we got stuck with a bill, almost \$20,000. I'm not saying that we need to, I'm just saying that's something we should

I can get a hold of those four property owners and have a meeting with them and discuss what's going on and work on an avenue. I don't have a problem with it. I'm not saying that's what absolutely should happen. I'm just saying if these were to come up more often, you start spending \$6,000 every time you turn around. Well, and I'll have a better cost on what it's actually going to cost to connect each line because I'll know what material is needed and all that other stuff. As we start removing the first and second, whatever lateral, because we're starting to bottom work our way up, we'll be able to see which one is creating the issue. We'll know that at that point in time. That's true. But right now we don't know because we can't even get our camera in it to even do anything. And you can't come from the bottom because it's too hard of a push to go uphill. And the top is plugged up so you can't put anything in there because you can't see what you're doing.

I will have a complete cost on this project. I'll know exactly what it cost for each house to be hooked up. And we'll be able to use that as a template. Moving on.

WATER

Boehmer Brothers pay request for the Second Street project.

This is the materials for a second street project, for the water line, the corps, the saddles, T's, valves, and all that expensive stuff. The bill is for \$37,979.70. A motion made by Mr. Mitchell and seconded by Mr. Radetic to approve payment to Boehmer Brothers in the amount of \$37,979.70. The motion passed without dissent.

And these are our line item budget. We actually budget money every year for waterline improvements and extensions and things like that. So this is an improvement on the aging, I'll call it, because it is what it is, the aging infrastructure, something that we, as the water department, should focus on just as much as we focus on anything new. We should focus on the aging. And this project is no different than a couple of other ones we did. When the street department plans a street overlay, we evaluate how many breaks a line on the street has had, what kind of issues it's caused. Second street has had numerous breaks on it down through there, and situations that have caused inconveniences for the residents down below. So this is a prime candidate for replacement. When Main Street's project comes through, we will be doing Main Street also. Same thing. We've had numerous breaks on that line. All the lines we're working on now are in our 100 year era and over. So it's time we do something.

Are most of these copper pipes? Our main lines are cast iron. We're finding that almost all of our service lines are copper. We're very fortunate in that, because we do have a lead and copper rule we're working on. We've been very lucky in the fact that Washington has always kept good records, and I'm a pack rat, so I kept all the records not knowing what they were going to do. But when this rule came into play, we have documentation showing that the city was using copper. We have ordinances and all the other good stuff, but we have documentation all the way back to the 1800's showing that copper was used in Washington. Under the lead and copper rule, if we have documentation showing we use copper instead of doing every curb stop in town, which is what the rule says, with that, we have the ability to say we have documentation, then we only have to do 10% of the areas. Instead of doing every home, we can do 10% of an area because we have documentation.

And this is a continuing discussion that we've been having, right, on increasing our charges?

Yes, it is. This is on the water side. Three years ago, we raised rates for water user rates, but the connection fees were not looked at this time. When we raised sewer rates, we looked at the connection fees and raised them to be comparable to the area around us. We need to do the same thing to water. I think you should have a copy of what it is and what it was or what it was and what should be. We're mirroring. The same thing we did with the sewer is using O'Fallon's billing rate. O'Fallon does the same thing with their water as they do with their sewer. They go off of the meter size, and then that's the connection fee that is charged. If you look at this ordinance here, it says that it was changed in 2014. It wasn't the connection fees that was changed, it was verbiage in the ordinance that was changed, which

then gives it an ordinance date change, which kind of misleads the time when things are actually reviewed and changed. These connection fees hadn't been reviewed since 89, either 89 or 92.

One, are these the same rates that O'Fallon charges or. It's a percentage of what this is?

This is actually 20% less. Same as what we did on wastewater. It's the same on water. 20% reduction from what O'Fallon charge. So we're trying to keep it as Washington as we can, because we're Washington, but yet we need to get up to what the current charge standing is. If we don't do this and we have growth happening, we're relying on the users to build a new well we should be relying on the incoming to help assist in that need for a new well or a tank, whatever would need to be happening. So it's the same thing as wastewater. We're just trying to spread out the burden on the fees.

A motion made by Mr. Radetic and seconded by Mr. Mitchell to approve the new rates. Motion Passed without dissent. I'm going to get this to Mark for review. I'm going to try and get this to the next council meeting for approval. And then this will take effect January 1, along with the sewer rates. Going to try and get everything into one start date rather than doing sewer and incoming the following month or two months. And we're going to try and get it all together. I'm a fast track council to get it approved so we can get it all started on January 1, the same time that all of the new building codes will be started. So we're trying to bring everything together at one time.

A lot of work, a lot of changes in the past six months. And we're going to see a whole bunch more changes in the codes. There's a lot of codes out there that have not been reviewed in a long time. I've kind of taken that upon myself this year to review codes on the water and wastewater side. I will be bringing next month, I guess they call it a repeal of a code. We still have a code that discusses and talks about districts and tax fees, things that we have not used. Talking with Mark Piontek, that's something needs to be removed from the code. We'll be removing some that don't need to be there anymore or shouldn't be there anymore, and amending and changing some to get them up to current standards. Just, it's going to be a long process, so it's just going to be ongoing.

I do have a question. The budget, this is up to September. We have one more, and then the budget year is over. And we've talked recently about our wastewater and how we're going to end up way in the hole and things of that sort. As many times as I looked at this budget over the years, I'm not sure I still understand it. But tell me where this great big loss is. When I look at this budget that shows everything's hunky dory. I can't follow. **Were you talking about wastewater or water?** Let's talk just wastewater. Well, like you said, this is a really hard budget to follow. As far as reports, the best place to look, and that's what I look at, is I wait until the actual audit is done, and then you can look and actually see what to really get a good feel for where we're at. If you look at the audit, which is online, anybody can go look at it. It's under finance. We're still in the positive overall. Overall, that positivity is dropping though, as the years go on. And that's why we need to raise rates to keep that from going in the downward trend and need to start to get back in the upward trend. I will request that Mary Sprung is here at our next month's meeting, our finance director; I will let her explain to you how we try to read this budget. **But we're projected to be in**

a deficit position at the end of the year? Yes. After deductions. And that's as September 30th. Yes. So at the end of the year, extrapolate it out a little bit. What is your projection?

In the operational side of it, between expenses and revenues, we'll be running in the red. There is apparently a whole bunch of other stuff Mary deals with. I don't deal with that. At the end of the year when you look at the audit. We're not in the red. We're still in the black. But we're decreasing. Some of it has to do with cash on hand. And Brad would know a lot more about this than me. Remember I don't want to mislead you guys and give you answers that I can't answer correctly. But I can have somebody here next month, that can give you better answers than myself. It's an important question. You guys have the right to ask. We should have an answer for you. I don't. But I can get you that answer from the Finance Director.

Well, I think it might be helpful, especially with all this other discussion about how the finances are and where we stand and just getting a little bit better understanding, that's all. Yeah, thanks.

How much longer are the repairs on the sewer lines up and down Second Street? You probably got another two weeks. Three weeks probably, guys, you think? Yeah, three weeks, probably. **How many blocks west are you going?** We're going all the way to Cedar. You have another three weeks of work, but when that three weeks happens is a different story. Yes. We were really going good, and we were moving and moving and moving, and people started getting sick. **Is the sewer line being addressed or only if there's any faults in the line?** When you're going down the second main and front. That's all part of our slip lining project. Have we slip lined second street yet? Not that area, but that's where slip lining comes in to help because we don't have as many problems when a street is overlaid with sewer, because it's deeper. What we have is a problem with our older lines. And when they overlay streets, they run rollers over them. If they turn a vibrating 50 ton roller on, it becomes a 200 ton vibrating roller, and that creates a lot of down pressure. And then we end up with a water main break two weeks after they just overlaid a street, and we're digging in a big old hole into the street and tearing out the street

Other

None

Old Business

None

Next Scheduled Meeting Date

The next scheduled meeting date is Tuesday December 26, 2023.

Adjourn

There being no further business the meeting adjourned on a motion by Mr. Mitchell and seconded by Mr. Radetic. All in favor aye, those oppose, none. We are adjourned.

Prepared by: _____

Theresa Lamke
Water/Wastewater
Administrative Assistant

Adopted and Approved by the Board of Public Works:

Date: _____

Signature: _____

Secretary

Memo

To: Board of Public Works
From: Kevin Quaethem, Public Works Superintendent
Date: 11/28/2023
Re: Vandevanter Engineering – pay request

Attached is a pay request for \$5,021.00, Invoice #5577089, from Vandevanter Engineering for the replacement of VFD at the Treatment Plant. Payment is recommended and the status is summarized below:

Contract Amount	\$5,021.00
Change Orders	\$0.00
Previous Pay Requests	\$0.00
Pay Request	\$5,021.00
Balance of Contract	\$0.00

Approved by: _____ Date: _____
John Vietmeier, Board of Public Works Chairman

INVOICE



INVOICE	
5577089	
Invoice Date	Page
10/26/2023	1 of 3
ORDER NUMBER	
1456664	

Bill To:
 City of Washington, MO
 4 Chamber Dr.
 Washington, MO 63090
 US

Ship To:
 City of Washington, MO
 #4 Chamber Dr
 Washington, MO 63090
 US

Attn: dr Invoices Statements

Ordered By: Kevin Quaethem

Customer ID: 302337

PO Number	Term Description	Net Due Date	Disc Due Date	Discount Amount
VERBAL KEVIN QUAETHEM	Upon Receipt	11/9/2023	11/9/2023	0.00
Order Date	Pick Ticket No	Primary Salesrep Name		Taker
3/30/2023 10:35:32	3611583	Nick Santangelo		TERRI LOEFFLER
Quantities				
Ordered	Shipped	Remaining	UOM	Disp.
Item ID	Item Description			Pricing UOM
Unit Price	Extended Price			

Order Note: REPLACE ALLEN BRADLEY POWER FLEX VFD AT WWTP WITH ABB ACQ580VFD AS PER PROPOSAL OP 568474. PRICING INCLUDES PARTS AND INSTALLATION MATERIALS, LABOR TO REMOVE EXISTING EQUIPMENT AND INSTALL NEW, PERFORM STARTUP AND PROVIDE OPERATOR TRAINING.

Carrier:

Tracking #:

----- Service Item Information -----

1.0000 1.0000 0.0000 EA SID-MFR EA 5,021.0000 5,021.00

Serial Number: WASHINGTON WWTP

COGENT FIELD SERVICES

Order Line Notes: Removed temporary motor starter from AER 101 B2 bucket. Installed VFD in place. Durring the temp install of motor starter 40a fuses were bypassed, wired fuses back into the line side input of the VFD. Installed CHDI-01 120vac digital input extension in option slot 2 of the ABB VFD. Prior to energizing VFD motor was tested. WR - 1, 1, 1ohm / IRT - 170M, 170M, 170M Rotation confirmed with customer.

Total Parts Price: 5021.00

Total Labor Price: 0

ORIGINAL



Maite

INVOICE



VANDEVANTER ENGINEERING

A COGENT COMPANY

INVOICE	
5577089	
Invoice Date	Page
10/26/2023	2 of 3
ORDER NUMBER	
1456664	

Quantities					Item ID Item Description	Pricing UOM	Unit Price	Extended Price
Ordered	Shipped	Remaining	UOM	Disp.				

Total Lines: 1

SUB-TOTAL: 5,021.00
TAX: 0.00
AMOUNT DUE: 5,021.00
Amount Due after 11/9/2023: 5096.32

All past due invoices are subject to a 1.5% per month finance charge.

REMIT TO	ACH/WIRE
Cogent Inc. or Brand Name P.O. Box 411832 Kansas City, MO 64141-1832 USA	Enterprise Bank 12695 Metcalf Ave Overland Park, KS 66213 Routing Number: 081006162 Account Number: 4140000174

Preferred method of payment is ACH

ORIGINAL



STANDARD TERMS AND CONDITIONS

Price is FOB shipping point and does not include any freight charges. Price does not include any applicable duties or sales tax, use tax, excise tax, value-added or other similar taxes that may apply to this equipment and/or project. Unless specifically stated, price does not include manual or automatic controls, starters, protective or signal devices, wiring, anchor bolts, gauges, vibration isolation devices, installation, startup or testing.

If the price is included in a proposal, the price is firm for receipt of an order within 15 days of the date shown on the proposal. Any additional terms and conditions included in the proposal are specifically included in these terms and conditions.

Unless otherwise expressly agreed to in writing by Seller, all shipments are FOB Seller shipping point at which point title also transfers.

Payment is due upon receipt of the invoice. An interest charge of 1-1/2% per month will be added to past due balances. Retainage of any invoiced amount is unacceptable unless specifically agreed to by Company at the time of order, and shall in no case exceed a period of 120 days. If payments are not timely received by Company, and this account is turned over to an attorney for collections, Customer agrees to pay all reasonable costs and attorney fees incurred in collection of the past due amounts.

Payment of 'commercial transaction' invoices by credit card will be charged a fee based upon Company's average discount rate for credit card transactions for the prior calendar year. This fee will change annually and is currently 2.55%.

All equipment either rented from or through Company is subject to all of the terms and conditions listed on the back of the rental contract. Pricing does not include any overtime running of power equipment.

In no event shall Company's obligations and liabilities under this Agreement include any direct, indirect, punitive, special, incidental or consequential damages or losses that Customer may suffer or incur in connection with this sale, service or rental, including, but not limited to, loss of revenue or profits, damages or losses as a result of Customer's inability to operate, perform its obligations to third persons or injuries to goodwill; nor shall Company's liability extend to damages or losses Customer may suffer or incur as a result of such claims, suits or other proceedings made or instituted against Customer by third parties. Customer remises, releases and discharges Company from any and all liability or damages which might be caused by failure to deliver any equipment within the agreed time by Company.

Customer shall be responsible for determining the good operating condition of all materials and equipment prior to accepting the materials and equipment. NO WARRANTY OR GUARANTEE, EXPRESS OR IMPLIED, INCLUDING ANY WARRANTY AS TO MERCHANTABILITY OR FITNESS FOR ANY PARTICULAR PURPOSE IS MADE UNLESS THE SAME IS SPECIFICALLY SET FORTH IN WRITING AND ACCEPTED IN WRITING BY COMPANY, BUT IN SUCH CASE THE WARRANTY OR GUARANTEE IS LIMITED AS ABOVE PROVIDED. Notwithstanding the foregoing, Company will pass through to the Customer any warranty provided by the manufacturer of any equipment supplied by Company.

Customer covenants and agrees to defend, indemnify and hold Company harmless from any claims, damages or liability arising out of the use, maintenance or delivery of the equipment or materials purchased or rented hereunder. Customer shall further defend, indemnify and hold Company harmless from any and all damages to third persons or to property caused by Customer's use or possession of the equipment or materials, to the fullest extent allowable by law.

In connection with a proposal, if Customer has any further questions or comments regarding the proposal, please feel free to contact Company. If the proposal meets with Customer's approval, please sign, date and mail or fax a copy of the proposal back to Company's office, and the identified equipment will be ordered and/or scheduled for delivery.

This agreement shall be governed by the laws of the state where the Company's branch office is located from which the equipment is rented or purchased. Customer further agrees that venue and jurisdiction shall be appropriate in the county in which Company's branch office is located from which the equipment was rented or purchased. Any provisions hereof which may prove unenforceable under any law shall not affect the validity of any other provision hereof.

Revised March 2022

ORIGINAL



Memo

To: Board of Public Works
From: Kevin Quaethem, Public Works Superintendent
Date: 11/28/2023
Re: Insituform Technologies USA, LLC. - Pay Request #4

Attached is Pay Request #4, in the amount of \$104,469.31 from Insituform Technologies USA, LLC. for the 2023 Cast in Place CIPP Project for the City of Washington Wastewater Department. Payment is recommended and the status is summarized below:

<u>Description</u>	<u>Contract Amount</u>
Contract Amount	\$340,231.00
Pay Request #1	\$125,197.46
Pay Request #2	\$27,602.25
Pay Request #3	\$73,996.10
Pay Request # 4	\$104,469.31
Remaining Balance	\$8,965.88

Approved by: _____ Date: _____
John Vietmeier, Board of Public Works Chairman



Stronger. Safer. Infrastructure.™

BILL TO:
CITY OF WASHINGTON
PUBLIC WORKS DEPARTMENT
405 JEFFERSON STREET
WASHINGTON, MO 63090

CONTRACT : 2023 CAST-IN-PLACE CIPP PROJ.
PROJECT: WASHINGTON MO,2023 CIPP PROJ.

PLEASE REMIT BY CHECK TO :
INSITUFORM TECHNOLOGIES LLC
P.O. BOX 74008440
CHICAGO, IL 60674-8440

PLEASE REMIT BY ACH TO :
INSITUFORM TECHNOLOGIES LLC
BANK OF AMERICA MERRILL LYNCH
ROUTING: 111000012
SWIFT: BOFAUS3N
ACCOUNT: 003750825891

PAGE : 1 of 1
DATE : 7/31/2023
ESTIMATE :
INVOICE # 731411
CUSTOMER PO :
JOB NUMBER : 103026
PAYMENT TERMS : Net 30 Days
FEDERAL ID : 13-3032158

ITEM NO	DESCRIPTION OF WORK	CONTRACT AMOUNT				COMPLETED THIS PERIOD		COMPLETED TO DATE	
		QUANTITY	UNIT	UNIT PRICE	PRICE	QUANTITY	AMOUNT	QUANTITY	AMOUNT
01	Pre and Post CCTV 8"-12"	5,163.00	LF	4.30	22,200.90	462.00	1,986.60	5,625.00	24,187.50
02	CIPP 6"-8"	5,163.00	LF	37.40	193,096.20	2,802.00	104,794.80	5,114.00	191,263.60
03	Pre and Post CCTV 30"	145.00	LF	19.10	2,769.50	0.00	0.00	149.00	2,845.90
04	CIPP 30"	145.00	LF	195.00	28,275.00	0.00	0.00	149.00	29,055.00
05	Mobilization	1.00	LS	2,900.00	2,900.00	0.00	0.00	1.00	2,900.00
06	CO1.1 Pre and Post CCTV 8"-12"	2,182.00	LF	4.30	9,382.60	741.00	3,186.30	2,215.00	9,524.50
07	CO1.2 CIPP 6"-8"	2,182.00	LF	37.40	81,606.80	0.00	0.00	295.00	11,033.00

TOTAL CONTRACT	340,231.00	EARNED THIS PERIOD	109,967.70	EARNED TO DATE	270,809.50
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Month Gross	109,967.70	Sales Tax	
Sales Tax		Less: Retainage	13,540.48
Month Retention	(5,498.39)	Previous Estimate	160,841.80
Month Open	104,469.31		
Customer #	95404		

AMOUNT DUE THIS ESTIMATE 104,469.31

Memo

To: Board of Public Works
From: Kevin Quaethem, Public Works Superintendent
Date: 11/28/2023
Re: Insituform Technologies USA, LLC. - Pay Request Final Payment

Attached is Pay Request Final Payment for retainage, in the amount of \$17,434.98 from Insituform Technologies USA, LLC. for the 2023 Cast in Place CIPP Project for the City of Washington Wastewater Department. Payment is recommended and the status is summarized below:

<u>Description</u>	<u>Contract Amount</u>
Contract Amount	\$340,231.00
Pay Request #1	\$125,197.46
Pay Request #2	\$27,602.25
Pay Request #3	\$73,996.10
Pay Request # 4	\$104,469.31
Retainage	\$17,434.98
Remaining Balance	(\$8,469.10)

Approved by: _____ Date: _____
John Vietmeier, Board of Public Works Chairman



TO: CITY OF WASHINGTON
 PUBLIC WORKS DEPARTMENT
 405 JEFFERSON STREET
 WASHINGTON, MO 63090

Make Checks Payable to:
INSITUFORM TECHNOLOGIES USA, LLC
 PLEASE REMIT PAYMENT TO:
 Insituform Technologies LLC
 PO Box 74008440
 Chicago, IL 60674-8440

ESTIMATE #
 INVOICE #
 JOB #
 WORK COMPLETED THRU:
 INVOICE DATE:
 FEDERAL ID

FINAL
 RETAINAGE
 103026
 09/18/23
 09/18/23
 13-3032158

CONTRACT 2023 CAST-IN-PLACE CIPP PROJ.
 PROJECT WASHINGTON MO,2023 CIPP PROJ

ITEM NO	DESCRIPTION	CONTRACT		COMPLETED THIS PERIOD			COMPLETED-TO-DATE			
		QUANTITY	UNIT PRICE	QUANTITY	%	AMOUNT	QUANTITY	%	AMOUNT	
1	Pre and Post CCTV 8"-12"	5,163 LF	\$4.30	0 LF	0%	\$0.00	5,625 LF	109%	\$24,187.50	
2	CIPP 6"-8"	5,163 LF	\$37.40	0 LF	0%	\$0.00	5,114 LF	99%	\$191,263.60	
3	Pre and Post CCTV 30"	145 LF	\$19.10	0 LF	0%	\$0.00	149 LF	103%	\$2,845.90	
4	CIPP 30"	145 LF	\$195.00	0 LF	0%	\$0.00	149 LF	103%	\$29,055.00	
5	Mobilization	1 LS	\$2,900.00	0 LS	0%	\$0.00	1 LS	100%	\$2,900.00	
CO1.1	Pre and Post CCTV 8"-12"	2182 LF	\$4.30	0 LF	0%	\$0.00	2,215 LF	102%	\$9,524.50	
CO1.2	CO1.2 CIPP 6"-8"	2182 LF	\$37.40	0 LF	0%	\$0.00	2,264 LF	104%	\$84,673.60	
CO	Down time for point repair	5 Hr	\$850.00	0 Hr	0%	\$0.00	5 Hr	100%	\$4,250.00	
TOTAL CONTRACT:		#REF!		EARNED THIS PERIOD:			\$0.00	EARNED TO DATE:		\$348,700.10

Month Gross	\$0.00	Less: Retainage @	0%	0.00
Month Retention	\$0.00	Previous Estimates		348,700.10
Month Open	\$0.00	Other		
Customer Number:		Payments		
		Applied to Date		<u>331,265.12</u>
		RETAINAGE DUE		
		THIS ESTIMATE:		<u>\$17,434.98</u>

iTracking®

Videocentric I&I Detection



A High-Speed
Solution for
Pinpointing I&I

Videocentric I&I Detection

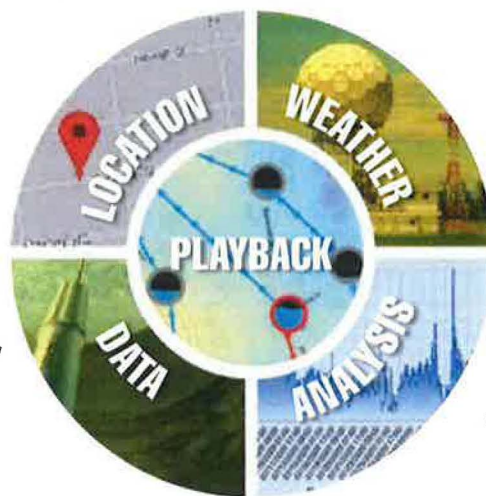
Locating faulty underground wastewater infrastructure has always been a daunting task. Finally, that is all about to change. iTracking®, along with its groundbreaking Computer Generated Imagery technology (Playback®), is poised to transition the complexities of Inflow and Infiltration (I&I) detection from a difficult and expensive process to one that is simple and inexpensive.

With a click of the Playback® button, users are immediately presented with an animated video showing the relationship between wastewater levels and weather events leading up to the I&I episode in question. Specifically developed algorithms quickly isolate and determine those sites responsible for the highest volumes of I&I. Each problematic site is then encircled with a "red ring" for quick identification. I&I is isolated to within adjacent monitored sites.



4 INDIVIDUAL TECHNOLOGIES

Every I&I detection study requires costly and time-consuming integration of four independently derived factors; geographic location, historical weather, sensor data and mathematical analysis.



1 USER-FRIENDLY SOLUTION

Utilizing CGI (Computer Generated Imagery) technology, Playback® efficiently integrates all four factors; location, weather, data and analysis, into a user-friendly, easy to understand animated video experience.

It starts with a Smart Sensor

iTracker smart I&I Detection sensors are packed with powerful features that give you the ability to monitor, analyze and alert on a single platform. Designed with both Bluetooth and cellular capability, sensors can be deployed in just 20 minutes, do not require confined space entry and are maintenance-free.



- Non-Contact
- Lightweight: 1.9lbs
- 18 Month Battery Life
- (2) - 3.6v Lithium D Cell
- Bluetooth and Cellular Enabled
- Onboard Data Logger

High Resolution Intelligence

iTracker Smart Sensors deliver a network of high resolution data points that quickly pinpoint I&I down to a set of adjoining manholes.

User-Friendly

20 Minute Setup

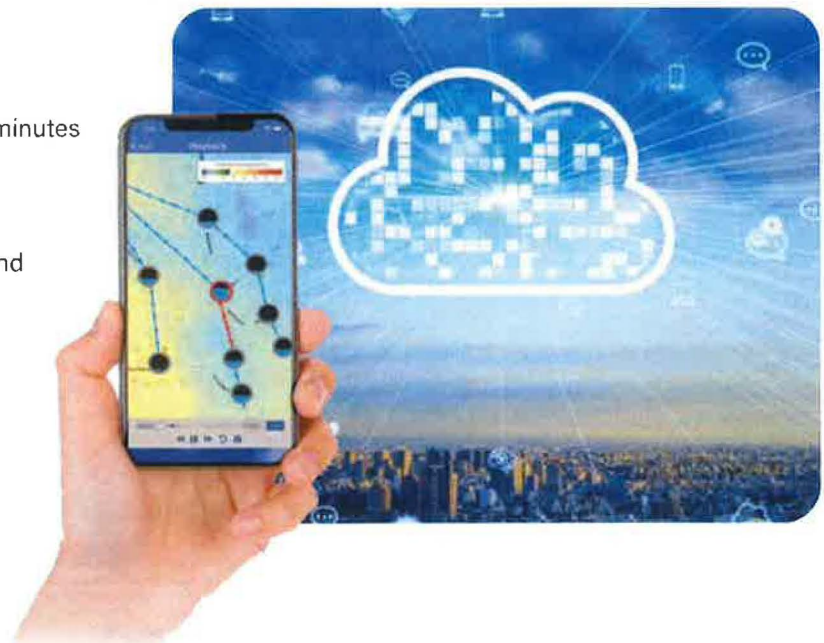
iTracker sensors can be installed in just 20 minutes without confined space entry.

5 Minute Data Retrieval

iTracker sensors allow for effortless setup and retrieval of data through either Bluetooth or cellular connectivity.

Cloud Connectivity Makes it Simple

Our cloud connectivity allows you to instantly access actionable reports and on-demand animated videos from any location.



Playback®: I&I Detection at a Glance

Playback® visually integrates location, weather, data and analysis into one simple to understand video



Stop Wondering... Start Watching

With iTracking's unique Playback® feature, the I&I discovery process becomes as simple as watching an animated video of the performance of your collection network under both normal and adverse weather conditions. Users are able to view, either in historical or real-time mode, wastewater volumes rising or receding in relation to storm intensity and follow along as dynamic

visuals provide a moving timeline of I&I contribution for each monitored location.

Updated every 5 minutes, sites responsible for the greatest increases of I&I are automatically indicated by highly visible red rings. By clicking on these sites, performance related graphs, charts and reports detailing the extent of I&I in GPM are automatically generated.

Precision Results

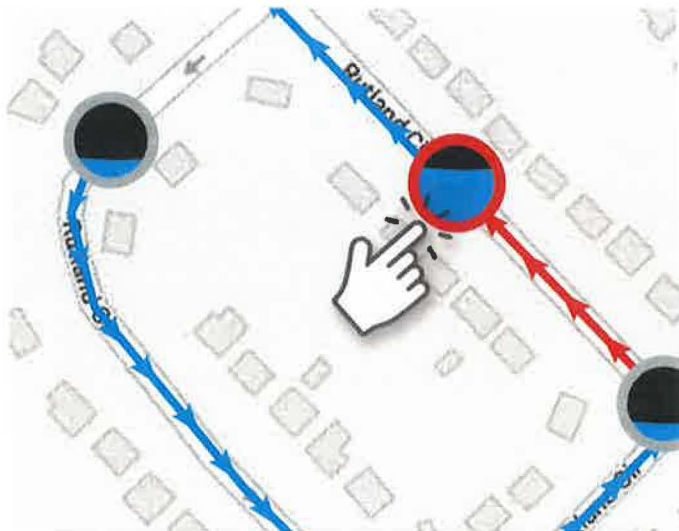
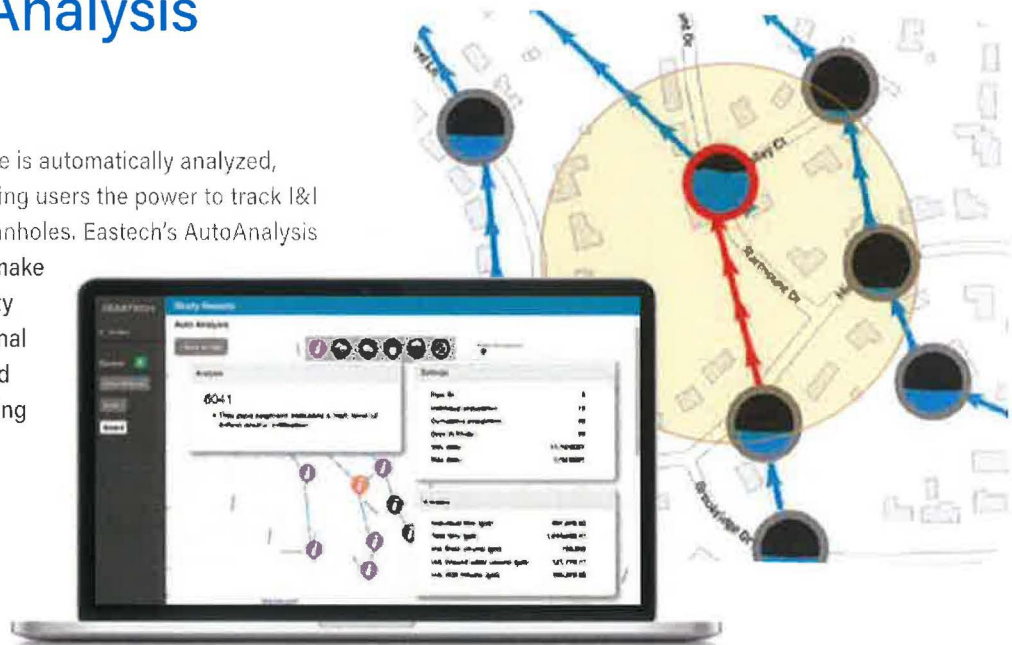
With Playback®, hours and days of animated video showing collection system performance can be compressed into just seconds of viewing time. At each monitored site, historical weather data, updated once every 5-minutes, is synced with 5, 10 or 15-minute interval flow data ultimately providing users with a clearly presented visualization of exactly what had transpired within the collection network during the I&I study period.

- See RDII effects relating to all monitored sites.
- Automatic designation (red ring) of sites exhibiting high volumes of I&I.
- Isolated analysis of monitored pipe segments.
- Automatic I&I analysis and generation of graphs and reports in GPM.



Automatic Analysis & Reports

Data from each monitored site is automatically analyzed, interpreted and displayed giving users the power to track I&I down to a pair of adjacent manholes. Eastech's AutoAnalysis and AutoReporting features make it easy for municipal and utility personnel to quickly obtain final study results without the need for tedious and time-consuming manual data interpretation.



The 80/20 Rule Applies

It has been proven over and over again by hundreds of studies dedicated to the detection of I&I that 80% of I&I resides in just 20% of the collection piping. This is why it is so important to select an I&I Detection System that has the ability to locate the 20% down to a set of adjacent manholes. It is here that iTracking® with Playback® differentiates itself from its competition. Every monitored pipe segment within the iTracking System has the analytical capability for generating individual graphs and reports in GPM relating specifically to the isolated segment selected for evaluation.

Clicking on any individual site automatically provides:

- Auto-Analytical Reports detailing the extent of I&I in GPM for each individually isolated pipe segment.
- Flow Graphs for each individually isolated pipe segment.
- Hydrographs for each individually isolated pipe segment.



Customer Support Program

1 Determination of iTracker® Placement

Prior to your placing an order, Eastech will assign a Project Manager to your account who will review a map of the areas selected for I&I investigation and recommend quantity and placement of iTracker® sensors.

2 On-Site Installation Supervision & Training

After order placement, a Project Manager will coordinate a mutually agreeable time to visit the site to supervise installation of iTracker® sensors and train field personnel in the operation of the iTracking® hardware.



Start to Finish Project Support

3 Data Retrieval and Upload Assistance

Collection of data can be accomplished through on-site Bluetooth connectivity or by direct upload to the Eastech Cloud via Cellular means. One of our Project Managers will be available online to assist.

4 Review of Results, Reports and Videos

Upon completion of uploading data to the Eastech Cloud, iTracking's auto-analytical software will present animated videos, reports and graphs that can then be reviewed and discussed with the Project Manager.



COMPARATIVE COST ANALYSIS

Conventional Flow Monitoring I&I Study versus iTracking® I&I Micro Detection
(90 DAY I&I STUDY - 45,000 Linear Feet (9 Miles))

CONVENTIONAL I&I STUDY		ITRACKING® I&I MICRO DETECTION	
5 Flow Meters w/Installation	\$25,000	12 iTracker® Sensors w/ Installation	\$31,500
45,000LF Light Cleaning	\$33,750	Cloud-Based Analytical Software	Included
45,000LF CCTV	\$90,000	Video Playback´	Included
Meter + CCTV Reports	\$33,750	AutoAnalysis™/AutoReporting™	Included
TOTAL COST	\$182,500	*Success Program	Included
COST PER FOOT	\$4.05	COST PER FOOT	\$0.70

Add \$0.10/ft for Cellular Transmission

ITRACKING® PRICING

ITRACKING PURCHASE	
iTracker® Smart Sensor (Bluetooth Enabled)	\$2,625.00
iTracker® Smart Sensor (Bluetooth/Cellular Enabled)	\$2,985.00
Cloud-Based Analytical Software	Included
Video Playback´, AutoAnalysis™, AutoReporting™	Included
SUCCESS PROGRAM	Included

The above pricing is based upon the first year of iTracking® purchase and implementation. The pricing includes everything listed above (including mounting hardware) and everything required to conduct a successful I&I Detection Study. No hidden or additional costs.

Each following year, the only costs incurred will be \$480/annum/iTracker® for the Cloud-Based Analytical Software platform that includes AutoAnalysis™, AutoReporting™, Playback´ and if requested, \$360/annum/iTracker® for cellular connectivity.



smartwastewater.com

Watch the iTracking video and see how we're changing the playing field
with this new technology



800-226-3569 • 918-664-1212

Fax: 918-664-8494

Memo

To: Board of Public Works

From: Kevin Quaethem, Public Works Superintendent

Date: 11/28/23

Re: Trojan Technologies WWTP Lamp Repair - Pay Request

Attached is the pay request in the amount of \$20,662.50, Invoice #20017337, from Trojan Technologies for lamp repair at the Wastewater Treatment Plant for the City of Washington. Payment is recommended and the status is summarized below:

<u>Description</u>	<u>Contract Amount</u>
Contract Amount	<u>\$20,662.50</u>

Amount Due	<u><u>\$20,662.50</u></u>
------------	---------------------------

Approved by: _____ Date: _____
John Vietmeier, Board of Public Works Chairman

for use on UK system group

TROJAN
technologies™
TROJAN TECHNOLOGIES
3020 GORE ROAD
LONDON, ON N5V 4T7
CANADA
T. 519-457-3400
www.trojantechnologies.com

VENDOR # 10726 INVOICE # 200/17337
ACCOUNT CODES 410-36-361-530415 AMOUNT
PROJECT # _____ INVOICE CHECKED MPSH
SUPERVISOR APPROVAL _____

INVOICE
200 / 17337
Original

Sold to
City of Washington
400 Jefferson Street
Washington MO 63090-0000
UNITED STATES

Ship to
City of Washington
200 Kingsland Dr
Washington MO 63090-3815
UNITED STATES

Cust. Service Contact : tuvcustomerservice@trojantechnologies.com
Invoice Contact : accountsreceivable@trojanuv.com
Our VAT/TAX No : 98-1343341
Payment Terms : 0% / 00 / 30 net
Delivery Terms : DELIVERED DUTY PAID
Carrier/LSP :
Packing Slip : OS0038593
Sales Order : 050001067
Order Date : 10-27-2023
Invoice Date : 10-31-2023
Final Destination Country : US
Customer No : 100004644
Customer PO : VERBAL GARY
Shipment Date : 10-31-2023
Sold To VAT/TAX No : 43-6003962
Ship To VAT/TAX No : 43-6003962

GARY BOUGE
314-630-3490
GBOUGE@WASHMO.GOV

PLEASE ADD FREIGHT CHARGE TO EXISTING FREIGHT

Line Item Description	Project	Ordered Quantity	Delivered Quantity	Price Discount	Unit Net Price Net Amount	Tax Rate Tax Amount	Amount
1 794447-ORD LAMP P, GA64T6HE ANGLE BASE		50.00 50.00			413.25 20,662.50	0.00% 0.00	20,662.50
		Goods	20,662.50	Discount	0.00	Tax Amount	Total USD
		Costs	0.00	Subtotal	20,662.50	0.00	20,662.50

Scollabank - CAD Cheques
Trojan Technologies Group ULC
C/O T10639
PO BOX 4388, STN A
Toronto, ON M5W 3S1

GST# 743287328 RT0001 BC PST# 1099-3713
QST# 1212691058 SK PST# 5862367
ABN/GST# 89 316 683 549 MB PST# 743287328MT001

Fifth Third - US Checks - Lockbox # 233730
VIA USPS - 3730 Momentum Place
Chicago, IL 60689-5337
VIA COURIER - 910 Pasquinelli Drive
Westmont, IL 60559-5528

FOR USD ACH, WIRES AND EFT PAYMENTS
Scollabank
ACCOUNT NO: 00042-002-000420286516
SWIFT CODE: NOSCCATT
ABA ROUTING: CC000247686
BENEFICIARY: TROJAN TECHNOLOGIES GROUP ULC

FOR CAD ACH, WIRES AND EFT PAYMENTS
Scollabank
ACCOUNT NO: 00042-002-000420321419
SWIFT CODE: NOSCCATT
ABA ROUTING: CC000247686
BENEFICIARY: TROJAN TECHNOLOGIES GROUP ULC

Memo

To: Board of Public Works
From: Kevin Quaethem, Public Works Superintendent
Date: 11/28/23
Re: Trojan Technologies WWTP Materials - Pay Request

Attached is the pay request in the amount of \$8,159.94, Invoice #20017710, from Trojan Technologies for o-rings and sleeves at the Wastewater Treatment Plant for the City of Washington. Payment is recommended and the status is summarized below:

<u>Description</u>	<u>Contract Amount</u>
Contract Amount	<u>\$8,159.94</u>

Amount Due	<u><u>\$8,159.94</u></u>
------------	--------------------------

Approved by: _____ Date: _____
John Vietmeier, Board of Public Works Chairman



TROJAN TECHNOLOGIES
 3020 GORE ROAD
 LONDON, ON N5V 4T7
 CANADA
 T. 519-457-3400
 www.trojantechnologies.com

INVOICE
200 / 17710
Original

Sold to
 City of Washington
 400 Jefferson Street
 Washington MO 63090-0000
 UNITED STATES.

Ship to
 City of Washington
 200 Klingsland Dr
 Washington MO 63090-3815
 UNITED STATES

Cust. Service Contact	: tuvcustomerservice@trojantechnologies.com	Sales Order	: 050001067
Invoice Contact	: accountsreceivable@trojanuv.com.	Order Date	: 10-27-2023
Our VAT/TAX No	: 98-1343341	Invoice Date	: 11-07-2023
Payment Terms	: 0% / 00 / 30 net	Final Destination Country	: US
Delivery Terms	: DELIVERED DUTY PAID	Customer No	: 100004644
Carrier/LSP	:	Customer PO	: VERBAL GARY
Packing Slip	: OS0039253	Shipment Date	: 11-07-2023
		Sold To VAT/TAX No	: 43-6003962
		Ship To VAT/TAX No	: 43-6003962

GARY BOUGE
 314-630-3490
 GBOUGE@WASHMO.GOV

PLEASE ADD FREIGHT CHARGE TO EXISTING FREIGH

Line	Project	Ordered Quantity	Price	Unit Net Price	Tax Rate	
Item		Delivered Quantity	Discount	Net Amount	Tax Amount	Amount
Description						
1		50.00		151.00	0.00%	
316136		6.00	151.00/ EA	906.00	0.00	906.00
SLEEVE, QTZ UV3+ 28x25x1958			0.00%			
2		60.00		151.00	0.00%	
316136		44.00	151.00/ EA	6,644.00	0.00	6,644.00
SLEEVE, QTZ UV3+ 28x25x1958			0.00%			
3		5.00		3.00	0.00%	
316144P		5.00	3.00/ EA	15.00	0.00	15.00
O-RING, SLEEVE SEAL UV3+			0.00%			
4		1.00		594.94	0.00%	
FREIGHT		1.00	594.94/ EA	594.94	0.00	594.94
FREIGHT & HANDLING			0.00%			
FREIGHT CHARGES WILL APPLY						
	Goods	7,665.00	Discount	0.00	Tax Amount	Total USD
	Costs	594.94	Subtotal	8,159.94	0.00	8,159.94



TROJAN TECHNOLOGIES
3020 GORE ROAD
LONDON, ON N5V 4T7
CANADA
T. 519-457-3400
www.trojantechnologies.com

INVOICE
200 / 17710
Original

Scotiabank - CAD Cheques
Trojan Technologies Group ULC
C/O T10639
PO BOX 4388, STN A
Toronto, ON M5W 3S1

GBT# 743287328 RT0001 BC PST# 1009-3713
QST# 1212591066 SK PST# 6802367
ABN/GST# 89 315 683 549 MB PST# 743287328MT001

Fifth Third - US Checks - Lockbox # 233730
VIA USPS - 3730 Momentum Place
Chicago, IL 60689-5337
VIA COURIER - 919 Pasquinelli Drive
Westmont, IL 60559-5526

FOR USD ACH, WIRES AND EFT PAYMENTS
Scotiabank
ACCOUNT NO: 00042-002-000420286616
SWIFT CODE: NOSCCATT
ABA ROUTING: CC000247698
BENEFICIARY: TROJAN TECHNOLOGIES GROUP ULC

FOR CAD ACH, WIRES AND EFT PAYMENTS
Scotiabank
ACCOUNT NO: 00042-002-000420321419
SWIFT CODE: NOSCCATT
ABA ROUTING: CC000247698
BENEFICIARY: TROJAN TECHNOLOGIES GROUP ULC

Memo

To: Board of Public Works
From: Kevin Quaethem, Public Works Superintendent
Date: 11/28/23
Re: Caldwell Tanks, Inc. - Pay Request #3

Attached is Pay Request #3, in the amount of \$100,977.90 Caldwell Tanks, Inc. for the erection of the South Point Ground Water Storage Tank for the City of Washington Water Department. Payment is recommended and the status is summarized below:

<u>Description</u>	<u>Contract Amount</u>
Contract Amount	\$1,869,800.00
Pay Request #1	\$452,304.50
Pay Request #2	\$731,842.68
Pay Request # 3	\$100,977.90
Remaining Balance	\$584,674.92

Approved by: _____ Date: _____
John Vietmeier, Board of Public Works Chairman

Contractor's Application for Payment No.

THREE (03)

Application Period: 08/16/2023 - 09/15/2023		Application Date: 9/15/2023	
To (Owner): City of Washington, MO 405 Jefferson Street Washington MO 63090	From (Contractor): Caldwell Tanks, Inc	Via (Engineer): Cochran Engineering 530 A East Independence Drive, Union, MO 63084	
Project: Washington, MO	Contract: 1,000,000 Gallon Elevated Water Storage Tank		
Owner's Contract No.:	Contractor's Project No.: E-9245	Engineer's Project No.:	

**Application For Payment
Change Order Summary**

Approved Change Orders		
Number	Additions	Deductions
TOTALS		
NET CHANGE BY CHANGE ORDERS		

1. ORIGINAL CONTRACT PRICE.....	\$	\$1,869,800.00
2. Net change by Change Orders.....	\$	
3. Current Contract Price (Line 1 + 2).....	\$	\$1,869,800.00
4. TOTAL COMPLETED AND STORED TO DATE (Column F on Progress Estimate).....	\$	\$1,352,763.24
5. RETAINAGE:		
a. 5% X \$1,352,763.24 Work Completed.....	\$	\$67,638.16
b. X _____ Stored Material.....	\$	
c. Total Retainage (Line 5a + Line 5b).....	\$	\$67,638.16
6. AMOUNT ELIGIBLE TO DATE (Line 4 - Line 5c).....	\$	\$1,285,125.08
7. LESS PREVIOUS PAYMENTS (Line 6 from prior Application).....	\$	\$1,184,147.18
8. AMOUNT DUE THIS APPLICATION.....	\$	\$100,977.90
9. BALANCE TO FINISH, PLUS RETAINAGE (Column G on Progress Estimate + Line 5 above).....	\$	\$584,674.92

Contractor's Certification

The undersigned Contractor certifies that to the best of its knowledge: (1) all previous progress payments received from Owner on account of Work done under the Contract have been applied on account to discharge Contractor's legitimate obligations incurred in connection with Work covered by prior Applications for Payment; (2) title of all Work, materials and equipment incorporated in said Work or otherwise listed in or covered by this Application for Payment will pass to Owner at time of payment free and clear of all Liens, security interests and encumbrances (except such as are covered by a Bond acceptable to Owner indemnifying Owner against any such Liens, security interest or encumbrances); and (3) all Work covered by this Application for Payment is in accordance with the Contract Documents and is not defective.

By: Elan Gault Date: 9/15/2023

Payment of: \$ 100,977.90
(Line 8 or other - attach explanation of the other amount)

is recommended by: Justin D. Dubs 10-09-23
(Engineer) (Date)

Payment of: \$ _____
(Line 8 or other - attach explanation of the other amount)

is approved by: _____
(Owner) (Date)

Approved by: _____
Funding Agency (if applicable) (Date)

Progress Estimate - Lump Sum Work

Contractor's Application

For (Contract): 1,000,000 Gallon Elevated Water Storage Tank			Washington, MO		Application Number: THREE (03)			
Application Period: 08/16/2023 - 09/15/2023			Application Date: 9/15/2023					
A		E-9245	Work Completed		E	F		G
Specification Section No.	Description	B Scheduled Value (\$)	C From Previous Application	D This Period	Materials Presently Stored (not in C or D)	Total Completed and Stored to Date (C + D + E)	% (F / B)	Balance to Finish (B - F)
1	Mobilization / Bonds / Insurance	\$18,698.00	\$9,349.00	\$4,674.50		\$14,023.50	75.0%	\$4,674.50
2	Engineering / Draft / Design - Foundation	\$74,792.00	\$74,792.00			\$74,792.00	100.0%	
3	Engineering / Draft / Design - Tank	\$112,188.00	\$112,188.00			\$112,188.00	100.0%	
4	Fabricated Material Delivery	\$653,295.90	\$653,295.90			\$653,295.90	100.0%	
5	Foundation / Piping Construction	\$335,875.00	\$335,875.00			\$335,875.00	100.0%	
6	Tank Construction	\$406,472.10	\$60,970.82	\$101,618.03		\$162,588.84	40.0%	\$243,883.26
7	Field Painting	\$231,083.00						\$231,083.00
8	Demobilization	\$37,396.00						\$37,396.00
Totals		\$1,869,800.00	\$1,246,470.72	\$106,292.53		\$1,352,763.24	72.3%	\$517,036.76

Memo

To: Board of Public Works
From: Kevin Quaethem, Public Works Superintendent
Date: 11/28/23
Re: Caldwell Tanks, Inc. - Pay Request #4

Attached is Pay Request # 4, in the amount of \$135,151.97 Caldwell Tanks, Inc. for the erection of the South Point Ground Water Storage Tank for the City of Washington Water Department. Payment is recommended and the status is summarized below:

<u>Description</u>	<u>Contract Amount</u>
Contract Amount	\$1,869,800.00
Pay Request #1	\$452,304.50
Pay Request #2	\$731,842.68
Pay Request # 3	\$100,977.90
Pay Request # 4	\$135,151.97
Remaining Balance	<u>\$449,522.95</u>

Approved by: _____ Date: _____
John Vietmeier, Board of Public Works Chairman

Contractor's Application for Payment No.

FOUR (04)

Application Period: 09/16/2023 - 10/20/2023		Application Date: 10/20/2023	
To (Owner): City of Washington, MO 405 Jefferson Street Washington MO 63090	From (Contractor): Caldwell Tanks, Inc	Via (Engineer): Cochran Engineering 530 A East Independence Drive, Union, MO 63084	
Project: Washington, MO	Contract: 1,000,000 Gallon Elevated Water Storage Tank		
Owner's Contract No.:	Contractor's Project No.: E-9245	Engineer's Project No.:	

**Application For Payment
Change Order Summary**

Approved Change Orders				
Number	Additions	Deductions		
			1. ORIGINAL CONTRACT PRICE.....	\$ 1,869,800.00
			2. Net change by Change Orders.....	\$
			3. Current Contract Price (Line 1 ± 2).....	\$ 1,869,800.00
			4. TOTAL COMPLETED AND STORED TO DATE (Column F on Progress Estimate).....	\$ 1,495,028.48
			5. RETAINAGE:	
			a. 5% X \$1,495,028.48 Work Completed.....	\$ 74,751.42
			b. X _____ Stored Material.....	\$
			c. Total Retainage (Line 5a + Line 5b).....	\$ 74,751.42
			6. AMOUNT ELIGIBLE TO DATE (Line 4 - Line 5c).....	\$ 1,420,277.05
			7. LESS PREVIOUS PAYMENTS (Line 6 from prior Application).....	\$ 1,285,125.08
			8. AMOUNT DUE THIS APPLICATION.....	\$ 135,151.97
			9. BALANCE TO FINISH, PLUS RETAINAGE (Column G on Progress Estimate + Line 5 above).....	\$ 449,522.95
TOTALS				
NET CHANGE BY CHANGE ORDERS				

Contractor's Certification

The undersigned Contractor certifies that to the best of its knowledge: (1) all previous progress payments received from Owner on account of Work done under the Contract have been applied on account to discharge Contractor's legitimate obligations incurred in connection with Work covered by prior Applications for Payment; (2) title of all Work, materials and equipment incorporated in said Work or otherwise listed in or covered by this Application for Payment will pass to Owner at time of payment free and clear of all Liens, security interests and encumbrances (except such as are covered by a Bond acceptable to Owner indemnifying Owner against any such Liens, security interest or encumbrances); and (3) all Work covered by this Application for Payment is in accordance with the Contract Documents and is not defective.

By: Elan Smith Date: 10/20/2023

Payment of: \$ 135,151.97
(Line 8 or other - attach explanation of the other amount)

is recommended by: Justin Dumb 11-21-23
(Engineer) (Date)

Payment of: \$ _____
(Line 8 or other - attach explanation of the other amount)

is approved by: _____
(Owner) (Date)

Approved by: _____
Funding Agency (if applicable) (Date)

Progress Estimate - Lump Sum Work

Contractor's Application

For (Contract)		1,000,000 Gallon Elevated Water Storage Tank Washington, MO			Application Number: FOUR (04)			
Application Period		09/16/2023 - 10/20/2023			Application Date: 10/20/2023			
		E-9245	Work Completed		E	F		G
		B	C	D	Materials Presently Stored (not in C or D)	Total Completed and Stored to Date (C + D + E)	% (F / B)	Balance to Finish (B - F)
Specification Section No.	Description	Scheduled Value (\$)	From Previous Application	This Period				
1	Mobilization / Bonds / Insurance	\$18,698.00	\$14,023.50			\$14,023.50	75.0%	\$4,674.50
2	Engineering / Draft / Design - Foundation	\$74,792.00	\$74,792.00			\$74,792.00	100.0%	
3	Engineering / Draft / Design - Tank	\$112,188.00	\$112,188.00			\$112,188.00	100.0%	
4	Fabricated Material Delivery	\$653,295.90	\$653,295.90			\$653,295.90	100.0%	
5	Foundation / Prepping Construction	\$335,875.00	\$335,875.00			\$335,875.00	100.0%	
6	Tank Construction	\$406,472.10	\$162,588.84	\$142,265.24		\$304,854.08	75.0%	\$101,618.03
7	Field Painting	\$231,083.00						\$231,083.00
8	Demobilization	\$37,396.00						\$37,396.00
Totals		\$1,869,800.00	\$1,352,763.24	\$142,265.24		\$1,495,028.48	80.0%	\$374,771.53

Memo

To: Board of Public Works
From: Kevin Quaethem, Public Works Superintendent
Date: 11/28/23
Re: Caldwell Tanks, Inc. - Pay Request #5

Attached is Pay Request # 5, in the amount of \$96,537.13 Caldwell Tanks, Inc. for the erection of the South Point Ground Water Storage Tank for the City of Washington Water Department. Payment is recommended and the status is summarized below:

<u>Description</u>	<u>Contract Amount</u>
Contract Amount	\$1,869,800.00
Pay Request #1	\$452,304.50
Pay Request #2	\$731,842.68
Pay Request # 3	\$100,977.90
Pay Request # 4	\$135,151.97
Pay Request # 5	\$96,537.13
Remaining Balance	<u>\$352,985.82</u>

Approved by: _____ Date: _____
John Vietmeier, Board of Public Works Chairman

Contractor's Application for Payment No.

FIVE (05)

Application Period: 10/21/2023 - 11/20/2023		Application Date: 11/20/2023	
To (Owner): City of Washington, MO 405 Jefferson Street Washington MO 63090		From (Contractor): Caldwell Tanks, Inc	
Via (Engineer): Cochran Engineering 530 A East Independence Drive, Union, MO 63084		Project: Washington, MO	
Contract: 1,000,000 Gallon Elevated Water Storage Tank		Owner's Contract No.:	
Contractor's Project No.: E-9245		Engineer's Project No.:	

**Application For Payment
Change Order Summary**

Approved Change Orders				
Number	Additions	Deductions		
			1. ORIGINAL CONTRACT PRICE.....	\$ \$1,869,800.00
			2. Net change by Change Orders.....	\$
			3. Current Contract Price (Line 1 + 2).....	\$ \$1,869,800.00
			4. TOTAL COMPLETED AND STORED TO DATE (Column F on Progress Estimate).....	\$ \$1,596,646.50
			5. RETAINAGE:	
			a. 5% X \$1,596,646.50 Work Completed.....	\$ \$79,832.33
			b. X Stored Material.....	\$
			c. Total Retainage (Line 5a + Line 5b).....	\$ \$79,832.33
			6. AMOUNT ELIGIBLE TO DATE (Line 4 - Line 5c).....	\$ \$1,516,814.18
			7. LESS PREVIOUS PAYMENTS (Line 6 from prior Application).....	\$ \$1,420,277.05
			8. AMOUNT DUE THIS APPLICATION.....	\$ \$96,537.13
			9. BALANCE TO FINISH, PLUS RETAINAGE (Column G on Progress Estimate + Line 5 above).....	\$ \$352,985.83
TOTALS				
NET CHANGE BY CHANGE ORDERS				

Contractor's Certification

The undersigned Contractor certifies that to the best of its knowledge: (1) all previous progress payments received from Owner on account of Work done under the Contract have been applied on account to discharge Contractor's legitimate obligations incurred in connection with Work covered by prior Applications for Payment; (2) title of all Work, materials and equipment incorporated in said Work or otherwise listed in or covered by this Application for Payment will pass to Owner at time of payment free and clear of all Liens, security interests and encumbrances (except such as are covered by a Bond acceptable to Owner indemnifying Owner against any such Liens, security interest or encumbrances); and (3) all Work covered by this Application for Payment is in accordance with the Contract Documents and is not defective.

By: Elin G. H. Date: 11/20/2023

Payment of: \$ 96,537.13
(Line 8 or other - attach explanation of the other amount)

is recommended by: Justin D. Durb 11-22-23
(Engineer) (Date)

Payment of: \$ _____
(Line 8 or other - attach explanation of the other amount)

is approved by: _____
(Owner) (Date)

Approved by: _____
Funding Agency (if applicable) (Date)

Progress Estimate - Lump Sum Work

Contractor's Application

For (Contract):			Application Number:					
1,000,000 Gallon Elevated Water Storage Tank Washington, MO			FIVE (05)					
Application Period:			Application Date:					
10/21/2023 - 11/20/2023			11/20/2023					
		E-9245	Work Completed		E	F	G	
A	B	C	D	Materials Presently Stored (not in C or D)		Total Completed and Stored to Date (C + D + E)	% (F / B)	Balance to Finish (B - F)
Specification Section No	Description	Scheduled Value (\$)	From Previous Application	This Period				
1	Mobilization / Bonds / Insurance	\$18,698.00	\$14,023.50			\$14,023.50	75.0%	\$4,674.50
2	Engineering / Draft / Design - Foundation	\$74,792.00	\$74,792.00			\$74,792.00	100.0%	
3	Engineering / Draft / Design - Tank	\$112,188.00	\$112,188.00			\$112,188.00	100.0%	
4	Fabricated Material Delivery	\$653,295.90	\$653,295.90			\$653,295.90	100.0%	
5	Foundation / Piping Construction	\$335,875.00	\$335,875.00			\$335,875.00	100.0%	
6	Tank Construction	\$406,472.10	\$304,854.08	\$101,618.02		\$406,472.10	100.0%	
7	Field Painting	\$211,083.00						\$211,083.00
8	Demobilization	\$37,396.00						\$37,396.00
Totals		\$1,869,800.00	\$1,495,028.48	\$101,618.02		\$1,596,646.50	85.4%	\$273,153.50

Memo

To: Board of Public Works
From: Kevin Quaethem, Public Works Superintendent
Date: 8/21/23
Re: Unnerstall Construction - Pay Request #4

Attached is Pay Request #4, in the amount of \$15,714.90 from K.J. Unnerstall Construction Co. for the South Point ground water storage tank for the City of Washington Water Department. Payment is recommended and the status is summarized below:

<u>Description</u>	<u>Contract Amount</u>
Contract Amount	\$132,319.00
Change Order(s)	\$ 2,000.00
Previous Payments	\$ 57,722.58
Pay Request #4	\$ 15,714.90
Remaining Balance	\$60,881.52

Approved by: _____ Date: _____
John Vietmeier, Board of Public Works Chairman

**AIA Type Document
Application and Certification for Payment**

TO (OWNER): City Of Washington
405 Jefferson St
Washington, MO 63090

PROJECT: SP Ground Water Storage Tank
Washington, MO 63090

APPLICATION NO: 4
PERIOD TO: 10/31/2023

DISTRIBUTION
TO:
_ OWNER
_ CONSTRUCTION
MANAGER
_ ARCHITECT
_ CONTRACTOR

FROM (CONTRACTOR): K.J.U. Inc dba K.J. Unnerstall Const. Co
4923 South Point Rd
Washington, MO 63090

ARCHITECT'S
PROJECT NO:

VIA CONSTRUCTION MANAGER:

CONTRACT FOR:

VIA ARCHITECT:

CONTRACT DATE:

CONTRACTOR'S APPLICATION FOR PAYMENT

Application is made for Payment, as shown below, in connection with the Contract.
Continuation Sheet, AIA Type Document is attached.

1. ORIGINAL CONTRACT SUM	\$	132,319.00
2. Net Change by Change Orders	\$	0.00
3. CONTRACT SUM TO DATE (Line 1 + 2)	\$	132,319.00
4. TOTAL COMPLETED AND STORED TO DATE	\$	77,302.65
5. RETAINAGE:		
a. 5.00 % of Completed Work	\$	2,994.73
b. 5.00 % of Stored Material	\$	870.44
Total retainage (Line 5a + 5b)	\$	3,865.17
6. TOTAL EARNED LESS RETAINAGE	\$	73,437.48
(Line 4 less Line 5 Total)		
7. LESS PREVIOUS CERTIFICATES FOR PAYMENT (Line 6 from prior Certificate)	\$	57,722.58
8. CURRENT PAYMENT DUE	\$	15,714.90
9. BALANCE TO FINISH, INCLUDING RETAINAGE (Line 3 less Line 6)	\$	58,881.52

CHANGE ORDER SUMMARY	ADDITIONS	DEDUCTIONS
Total changes approved in previous months by Owner	0.00	0.00
Total approved this Month	0.00	0.00
TOTALS	0.00	0.00
NET CHANGES by Change Order	0.00	

The Undersigned Contractor certifies that to the best of the Contractor's knowledge, information and belief the work covered by this application for Payment has been completed in accordance with the Contract Documents, that all amounts have been paid by the Contractor for Work for which previous Certificates for Payment were issued and payments received from the owner, and that current payment shown herein is now due.

CONTRACTOR: K.J.U. Inc dba K.J. Unnerstall Const. Co
4923 South Point Rd
Washington, MO 63090

By: *[Signature]*

Date: 11-1-2023



State of: MO

County of: Franklin

Subscribed and Sworn to before me this

Day of NOV 2023

Notary Public: *[Signature]*

My Commission Expires: 1-9-2024

CERTIFICATE FOR PAYMENT

In Accordance with the Contract Documents, based on on-site observations and the data comprising the above application, the Construction Manager and Architect certifies to owner that to the best of their knowledge, information and belief the Work has progressed as indicated, the quality of the work is in accordance with the Contract Documents, and the Contractor is entitled to payment of the AMOUNT CERTIFIED.

AMOUNT CERTIFIED..... \$ 15,714.90

(Attach explanation if amount certified differs from the amount applied. Initial all figures on this Application and on the Continuation Sheet that are changed to conform to the amount certified.)

CONSTRUCTION MANAGER:

By: *[Signature]*

Date: 11-21-23

ARCHITECT:

By: _____

Date: _____

This Certificate is not negotiable. The AMOUNT CERTIFIED is payable only to the Contractor named herein. Issuance, Payment and acceptance of payment are without prejudice to any rights of the Owner or Contractor under this Contract.

AIA Type Document
Application and Certification for Payment

TO (OWNER): City Of Washington
 405 Jefferson St
 Washington, MO 63090

PROJECT: SP Ground Water Storage Tank
 Washington, MO 63090

APPLICATION NO: 4
PERIOD TO: 10/31/2023

DISTRIBUTION TO:
 OWNER
 CONSTRUCTION MANAGER
 ARCHITECT
 CONTRACTOR

FROM (CONTRACTOR): K.J.U. Inc dba K.J. Unnerstall Const. Co
 4923 South Point Rd
 Washington, MO 63090

ARCHITECT'S PROJECT NO:

VIA CONSTRUCTION MANAGER:

CONTRACT FOR:

VIA ARCHITECT:

CONTRACT DATE:

ITEM	DESCRIPTION	PLAN QTY	UNIT	UNIT PRICE	SCHEDULED VALUE	PREV COMP QTY/%	PREVIOUS APPL	COMP QTY/% THIS PERIOD	COMP AMT THIS PERIOD	STORED MATERIAL	COMP QTY/% TO DATE	COMPLETED AND STORED	%	BALANCE
1	Mobilization demobilization startup permits insurance and bonds	1.000	LSQ	\$13,969.00	\$13,969.00	1.0000	\$13,969.00	.0000	\$0.00	\$0.00	1.0000	\$13,969.00	100.00	\$0.00
2	Clearing and grubbing	.290	AC	\$12,000.00	\$3,480.00	.2900	\$3,480.00	.0000	\$0.00	\$0.00	.2900	\$3,480.00	100.00	\$0.00
3	Silt fence	303.000	LF	\$1.00	\$303.00	303.0000	\$303.00	.0000	\$0.00	\$0.00	303.0000	\$303.00	100.00	\$0.00
4	Earthwork imported engineered fill	817.000	CY	\$10.00	\$8,170.00	817.0000	\$8,170.00	.0000	\$0.00	\$0.00	817.0000	\$8,170.00	100.00	\$0.00
5	Erosion control blanket	804.000	SY	\$2.50	\$2,010.00	.0000	\$0.00	.0000	\$0.00	\$0.00	.0000	\$0.00	.00	\$2,010.00
6	12in class 52 DIP water main	70.000	LF	\$175.00	\$12,250.00	70.0000	\$12,250.00	.0000	\$0.00	\$0.00	70.0000	\$12,250.00	100.00	\$0.00
7	12in repair sleeve	1.000	EA	\$932.00	\$932.00	1.0000	\$932.00	.0000	\$0.00	\$0.00	1.0000	\$932.00	100.00	\$0.00
8	8in SDR 21 class 200 PVC drain line	60.000	LF	\$49.00	\$2,940.00	60.0000	\$2,940.00	.0000	\$0.00	\$0.00	60.0000	\$2,940.00	100.00	\$0.00
9	Three quarter in CTS SDR 9 PE tubing	88.000	LF	\$11.00	\$968.00	.0000	\$0.00	.0000	\$0.00	\$0.00	.0000	\$0.00	.00	\$968.00
10	Three quarter inx12in service saddle and coporation stop	1.000	LSQ	\$900.00	\$900.00	.0000	\$0.00	.0000	\$0.00	\$0.00	.0000	\$0.00	.00	\$900.00
11	Three quarter in curb valve and curb box	1.000	LSQ	\$700.00	\$700.00	.0000	\$0.00	.0000	\$0.00	\$0.00	.0000	\$0.00	.00	\$700.00
12	Detail A	1.000	LSQ	\$8,800.00	\$8,800.00	1.0000	\$8,800.00	.0000	\$0.00	\$0.00	1.0000	\$8,800.00	100.00	\$0.00
13	Fire hydrant assembly	1.000	EA	\$6,950.00	\$6,950.00	1.0000	\$6,950.00	.0000	\$0.00	\$0.00	1.0000	\$6,950.00	100.00	\$0.00
14	Tank overflow structure	1.000	LSQ	\$4,000.00	\$4,000.00	.0000	\$0.00	.0000	\$0.00	\$0.00	.0000	\$0.00	.00	\$4,000.00
15	2ftx4in concrete ring around ground storage tank	4.000	CY	\$960.00	\$3,840.00	.0000	\$0.00	.0000	\$0.00	\$0.00	.0000	\$0.00	.00	\$3,840.00
16	18in RCP storm sewer pipe	43.000	LF	\$72.00	\$3,096.00	.0000	\$0.00	.0000	\$0.00	\$0.00	.0000	\$0.00	.00	\$3,096.00
17	18in RCP flared end section	1.000	EA	\$775.00	\$775.00	.0000	\$0.00	.0000	\$0.00	\$263.90	.0000	\$263.90	34.05	\$511.10
18	12in HP storm sewer pipe	26.000	LF	\$66.00	\$1,716.00	.0000	\$0.00	.0000	\$0.00	\$290.00	.0000	\$290.00	16.90	\$1,426.00
19	12in steel flared end section	2.000	EA	\$700.00	\$1,400.00	.0000	\$0.00	.0000	\$0.00	\$0.00	.0000	\$0.00	.00	\$1,400.00
20	8in to 12in clean rip rap	38.000	SY	\$40.00	\$1,520.00	.0000	\$0.00	.0000	\$0.00	\$0.00	.0000	\$0.00	.00	\$1,520.00
21	Asphalt pavement repair	14.000	SY	\$150.00	\$2,100.00	14.0000	\$2,100.00	.0000	\$0.00	\$0.00	14.0000	\$2,100.00	100.00	\$0.00
22	New gravel drive	185.000	SY	\$10.00	\$1,850.00	.0000	\$0.00	.0000	\$0.00	\$0.00	.0000	\$0.00	.00	\$1,850.00
23	Guardrail	150.000	LF	\$66.00	\$9,900.00	.0000	\$0.00	.0000	\$0.00	\$0.00	.0000	\$0.00	.00	\$9,900.00

**AIA Type Document
Application and Certification for Payment**

TO (OWNER): City Of Washington
405 Jefferson St
Washington, MO 63090

PROJECT: SP Ground Water Storage Tank
Washington, MO 63090

APPLICATION NO: 4
PERIOD TO: 10/31/2023

DISTRIBUTION TO:
_ OWNER
_ CONSTRUCTION
_ MANAGER
_ ARCHITECT
_ CONTRACTOR

FROM (CONTRACTOR): K.J.U. Inc dba K.J. Unnerstall Const. Co
4923 South Point Rd
Washington, MO 63090

ARCHITECT'S PROJECT NO:

VIA CONSTRUCTION MANAGER:

CONTRACT FOR:

VIA ARCHITECT:

CONTRACT DATE:

ITEM	DESCRIPTION	PLAN QTY	UNIT	UNIT PRICE	SCHEDULED VALUE	PREV COMP QTY/%	PREVIOUS APPL	COMP QTY/% THIS PERIOD	COMP AMT THIS PERIOD	STORED MATERIAL	COMP QTY/% TO DATE	COMPLETED AND STORED	%	BALANCE
24	Compacted granular backfill	25,000	TON	\$25.00	\$625.00	.0000	\$0.00	.0000	\$0.00	\$0.00	.0000	\$0.00	.00	\$625.00
25	Underground electric service 2in conduit and wiring from transformer to electric	195,000	LF	\$11.00	\$2,145.00	.0000	\$0.00	.0000	\$0.00	\$312.75	.0000	\$312.75	14.58	\$1,832.25
26	Fiberglass structure electric meter all electric hookup reinforced concrete pad	1,000	LSQ	\$32,100.00	\$32,100.00	.0000	\$0.00	.0000	\$0.00	\$16,542.00	.0000	\$16,542.00	51.53	\$15,558.00
27	Drain line for fiberglass structure	40,000	LF	\$48.00	\$1,920.00	.0000	\$0.00	.0000	\$0.00	\$0.00	.0000	\$0.00	.00	\$1,920.00
28	Finish grading seeding and mulching	.740	AC	\$4,000.00	\$2,960.00	.0000	\$0.00	.0000	\$0.00	\$0.00	.0000	\$0.00	.00	\$2,960.00
REPORT TOTALS					\$132,319.00		\$59,894.00		\$0.00			\$77,302.65		
										\$17,408.65			\$55,016.35	



4000 Tower Road, Louisville, KY 40219
 P.O. Box 35770, Louisville, KY 40232-5770
 Phone: 502-964-3361 / Fax: 502-966-8732

SUBMITTAL NO: 8B

DATE: 11/06/23

TO: Cochran Engineering
 530A East Independence Drive
 Union, MO 63084

CTI NO: E-9245
CTI PROJECT NAME: Washington-MO
ENGR PROJECT NO: 22-9079
CONTRACT NO:
PROJECT: City of Washington
 Southpoint Ground Storage Tank

ATTN: Tim Garbs

WE ARE SENDING:		SENT VIA:			
<input type="checkbox"/>	Certification / Report / Test Result	<input checked="" type="checkbox"/>	Email: TGarbs@cochraneng.com		
<input type="checkbox"/>	Color Selection Chart	<input type="checkbox"/>	Hard Copy		
<input type="checkbox"/>	Design/Product Data	<input type="checkbox"/>	Website Upload:		
<input checked="" type="checkbox"/>	Drawing	SUBMITTED FOR			
<input type="checkbox"/>	Manual / Plan	<input type="checkbox"/>	Approval	<input type="checkbox"/>	Review
<input type="checkbox"/>	Miscellaneous Form	<input checked="" type="checkbox"/>	Re-Approval	<input type="checkbox"/>	Information
<input type="checkbox"/>	Other:	<input type="checkbox"/>	Record	<input type="checkbox"/>	Other:

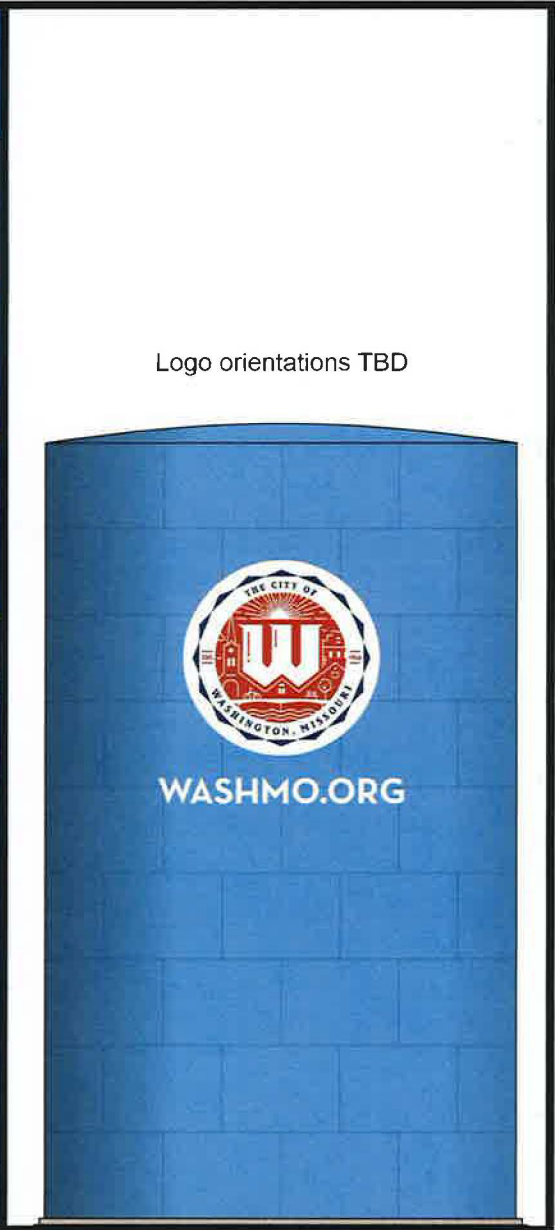
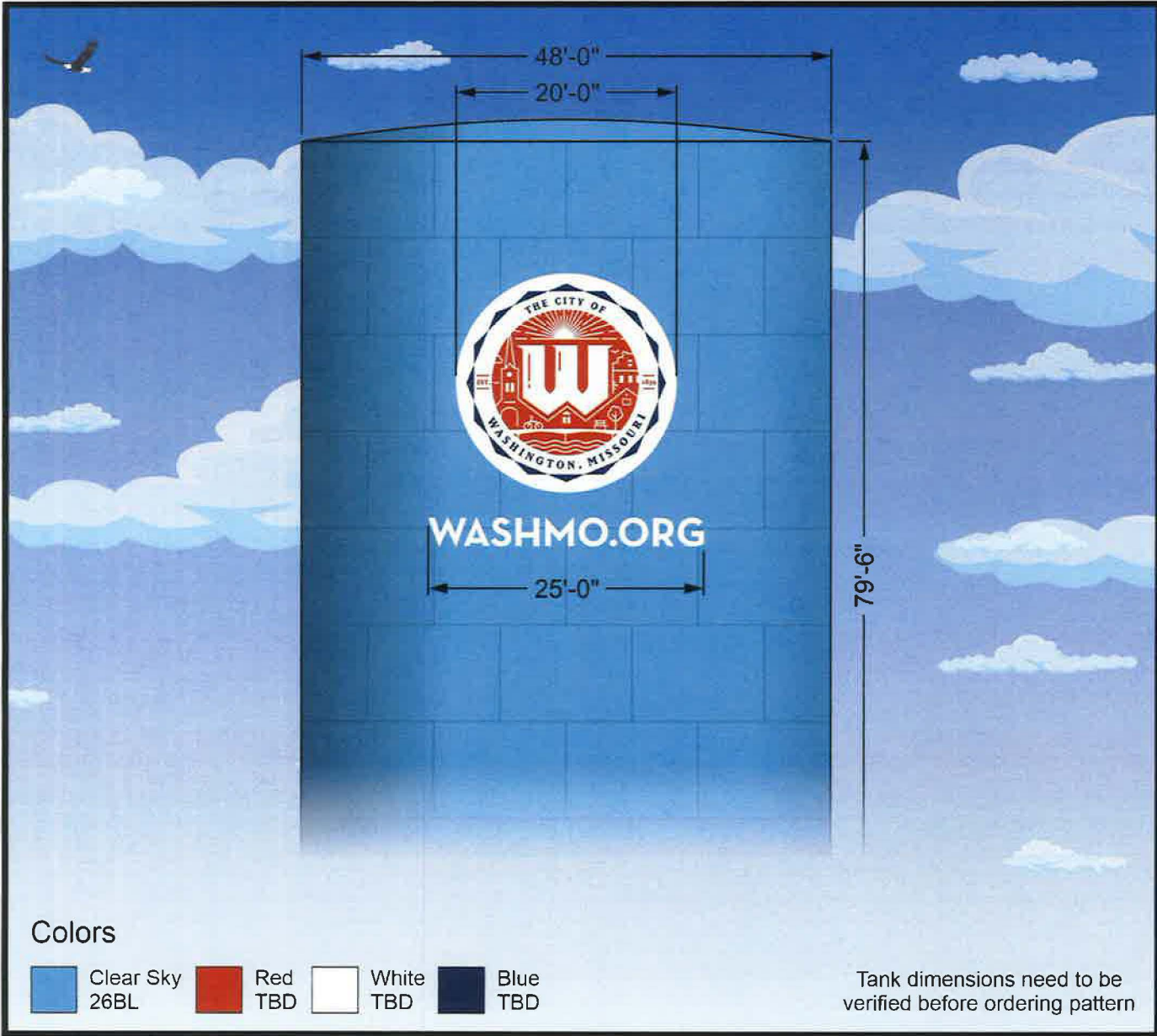
COPIES	SUBMITTAL #	DESCRIPTION / SUBJECT
1	8B	Tank Proof – Draft #6

REMARKS: Please note that coatings manufacturers are increasingly experiencing raw materials shortages for epoxies and urethanes. The sooner paint submittals can be finalized, the better the likelihood that our coatings subcontractors are able to obtain the specified coatings in a timely manner, and our project does not face supply delay.

CONTRACTOR	ENGINEER
<p>Caldwell Tanks, Inc. hereby certifies that it has reviewed and checked this manufacturer's data, and that it is substantially in conformance with the requirements of the contract document(s).</p> <p>BY: <u>Nick Kavanaugh / SMM</u></p> <p>DATE: <u>11/06/23</u></p>	

CC:

SENT BY: Stacy Masden
TITLE: Administrative Assistant - Operations



Colors

- Clear Sky
26BL
- Red
TBD
- White
TBD
- Blue
TBD

Tank dimensions need to be verified before ordering pattern



Danny McKinney / Owner
 1375 N. Beglis Pkwy
 Sulphur, LA 70663
 (337) 625-4179
 (337) 794-1564
 dannymc@lakeareesignco.com

Client: Caldwell Tanks, Inc.
Design: 9245 - Washington, MO (Draft 6)
Designer: Timothy Goodeaux
Date: 11/6/2023

Date: _____
Signature: _____
 Approved **Resubmit**

Notice:
 Colors shown are close approximations. Printer and media variations may distort colors from actual paint colors slightly. Renderings are approximate and are provided for a visual aid. Field verify tank shell height before installing patterns.



October 31, 2023

Cochran Engineering
Attn: T.J. Garbs
530A East Independence Dr.
Union, MO 63084

**RE: Sout Point Road – Washington, MO
100,000 Gallon Water Tower
Project #22-9079
C.T.I. E-9245**

Subject: Tank Logo

Dear Mr. Garbs:

Per your request on September 26th, please find the cost associated with replacing the "Washington" block lettering with the Fifteen-foot (15') City of Washington logo.

Coating -	\$3,000.00
Subtotal -	\$3,000.00
OH&P 5% -	\$150.00
PM Time (4 Hrs.) -	\$750.00
Total PCOR Logo Change-	\$3,900.00

If the client prefers to replace the block lettering with the Twenty-foot (20') City of Washington logo the breakdown of cost would be as follows:

Coating -	\$5,200.00
Subtotal -	\$5,200.00
OH&P 5% -	\$250.00
PM Time (4 Hrs.) -	\$750.00
Total PCOR Logo Change-	\$6,200.00

For the request to add the additional website to the logo, the below would be the add:

Add Website to Logo	\$ 2,555.50
OH&P 5% -	\$ 128.00
Total Website PCOR add -	\$ 2,683.50

We request no additional Days for this work. However, this will be pending the actual weather incurred at the project during the coating phase. We may request during construction for additional days to compensate for actual time lost on the project due to inclement weather.



We appreciate your time to review and evaluation of this PCO. If you have any questions, please feel free to call me on my cell: (502)974-2242 or email: tsnellen@caldwelltanks.com.

Sincerely,

Tina Snellen
Project Manager

The following Code does not display images or complicated formatting. Codes should be viewed online. This tool is only meant for editing.

Section 700.320 Permits And Charges For Water Taps And Connections.

[R.O. 1992 § 700.320; Ord. No. 6702 § 1, 6-19-1989; Ord. No. 7207 § 3, 4-20-1992; Ord. No. 14-11288 § 1, 7-7-2014]

- A. All applications for water taps or connections to water mains and extensions shall be in writing and accompanied by a drawing showing location of the main or extension and the location of the proposed connection to the main or extension. A tap fee based upon the following schedule shall accompany each such application:

Size Of Connection (inches)	Tap Fee <u>including Materials</u>
3/4 and 1	\$100 plus materials <u>\$400</u>
1 1/2	\$175 plus materials <u>\$600</u>
2	\$225 plus materials <u>\$675</u>

B. Connection Fees- Water

1. In addition to the tap fee above, a connection ~~charge-fee~~ based upon the following schedule shall also accompany each such application. Connection fees are for the right for an individual building to connect to the City's water system. Annual increases will be effective January 1 of the year the increase becomes effective. The most recent fees listed below will remain in effect beyond the year listed until new fees are established. The connection fee is based on the size of the water meter or water services line going into the building as follows:

Size Of Service Connection (inches)	Connection Charge <u>Fee</u>
3/4	\$600
<u>+1-inch or smaller</u>	\$800 <u>\$1,400</u>
1 1/2	\$1,700 <u>\$1,800</u>
2	\$2,000 <u>\$3,200</u>
3	\$2,300 <u>\$4,000</u>
4	\$3,400 <u>\$7,700</u>
6	\$4,500 <u>\$10,000</u>
8	\$6,700 <u>\$15,000</u>

Size Of Service Connection

(inches)

Connection ~~Charge~~ Fee

10

\$8,900 \$19,900

12

\$11,100 \$24,700

Connection Fees for Multi-Unit Buildings. Commercial or industrial developments having multiple units or tenant spaces in the building(s) shall use a master meter to serve the building. The connection fee for this shall be calculated based on multiplying the number of units or tenant spaces in the building times 50% of the connection fee for the size of the water line going to each unit. Residential buildings having multiple tenant spaces in one building may use a master meter to serve the building. The connection fee for this will be calculated based on multiplying the number of units times 25% of the connection fee of a typical single family home (defined as having a one-inch water meter). In all cases of a master meter being used, the property owner may install sub-meters for their own use on the private system after the City's master meter.

C. No service line shall be connected to the water system until all the fees are paid. If a line is connected prior to payment of fees, the City may disconnect the line and charge the owner, developer, contractor, plumber, or other parties, jointly or severally liable, all costs incurred for the disconnection including, but not limited to, reasonable attorney's fees, court costs, and interest from the date of disconnection.

BILL NO. _____ INTRODUCED BY _____

ORDINANCE NO. _____

AN ORDINANCE AMENDING SECTION 700.320 OF THE
CODE OF THE CITY OF WASHINGTON, MISSOURI
RELATING TO WATER CONNECTION FEES

BE IT ORDAINED by the Council of the City of Washington, Missouri, as follows:

SECTION 1: Section 700.320 of the Code of the City of Washington, Missouri is hereby amended to read as follows:

A. All applications for water taps or connections to water mains and extensions shall be in writing and accompanied by a drawing showing location of the main or extension and the location of the proposed connection to the main or extension. A tap fee based upon the following schedule shall accompany each such application:

Size Of Connection	
(inches)	Tap Fee including Materials
3/4 and 1	\$400
1 1/2	\$600
2	\$675

B. Connection Fees – Water

1. In addition to the tap fee above, a connection fee based upon the following schedule shall also accompany each such application. Connection fees are for the right for an

individual building to connect to the City's water system. Annual increases will be effective January 1 of the year the increase becomes effective. The most recent fees listed below will remain in effect beyond the year listed until new fees are established. The connection fee is based on the size of the water meter or water services line going into the building as follows:

Size Of Service Connection	
(inches)	Connection Fee
1-inch or smaller	\$1,400
1 1/2	\$1,800
2	\$3,200
3	\$4,000
4	\$7,700
6	\$10,000
8	\$15,000
10	\$19,900
12	\$24,700

Connection Fees for Multi-Unit Buildings. Commercial or industrial developments having multiple units or tenant spaces in the building(s) shall use a master meter to serve the building. The connection fee for this shall be calculated based on multiplying the number of units or tenant spaces in the building times 50% of the connection fee for the size of the water line going to each unit. Residential buildings having multiple tenant spaces in one building may use a master meter to serve the building. The connection fee for this will be calculated based on multiplying the number of units times 25% of the connection fee of a typical single family home (defined as having a one-inch water meter). In all cases of a master meter being used, the property owner may install sub-meters for their own use on the private system after the City's master meter.

C. No service line shall be connected to the water system until all the fees are paid. If a line is connected prior to payment of fees, the City may disconnect the line and charge the owner, developer, contractor, plumber, or other parties, jointly or severally liable, all costs incurred for the disconnection including, but not limited to, reasonable attorney's fees, court costs, and interest from the date of disconnection.

SECTION 2: All ordinances or parts of ordinances in conflict herewith are hereby repealed.

SECTION 3: This ordinance shall be in full force and effect from and after its passage and approval.

Passed: _____

ATTEST: _____

President of City Council

Approved: _____

ATTEST: _____

Mayor of Washington, Missouri



City of Washington, MO

Budget Report Account Summary

For Fiscal: 2023-2024 Period Ending: 10/31/2023

		Original Total Budget	Current Total Budget	Period Activity	Fiscal Activity	Variance Favorable (Unfavorable)	Percent Remaining
Fund: 410 - SEWAGE TREATMENT FUND							
Revenue							
410-36-000-434600	Sanitary Sewer District	75,000.00	75,000.00	4,815.13	4,815.13	-70,184.87	93.58 %
410-36-000-450600	Penalties/Interest Charges	30,000.00	30,000.00	2,226.19	2,226.19	-27,773.81	92.58 %
410-36-000-450900	Revenues-All Other	5,000.00	5,000.00	540.00	540.00	-4,460.00	89.20 %
410-36-000-454100	Sewer Service Charges	2,843,000.00	2,843,000.00	202,577.27	202,577.27	-2,640,422.73	92.87 %
410-36-000-454125	Surcharge Fees	20,000.00	20,000.00	0.00	0.00	-20,000.00	100.00 %
410-36-000-454150	Leachate Disposal Charge	40,000.00	40,000.00	680.00	680.00	-39,320.00	98.30 %
410-36-000-454200	Sewer Connection Charges	80,000.00	80,000.00	3,504.63	3,504.63	-76,495.37	95.62 %
410-36-000-480000	Investment Income	3,000.00	3,000.00	0.00	0.00	-3,000.00	100.00 %
410-36-000-480200	Investment Income.-Bond Acct.	188,870.00	188,870.00	0.00	0.00	-188,870.00	100.00 %
	Revenue Total:	3,284,870.00	3,284,870.00	214,343.22	214,343.22	-3,070,526.78	93.47%
Expense							
410-36-000-510100	Salaries/Wages-Regular	244,330.00	244,330.00	17,454.87	17,454.87	226,875.13	92.86 %
410-36-000-510300	Salaries/Wages-Overtime	7,390.00	7,390.00	22.15	22.15	7,367.85	99.70 %
410-36-000-511100	FICA Taxes	19,270.00	19,270.00	1,276.31	1,276.31	17,993.69	93.38 %
410-36-000-511300	Health Insurance	39,680.00	39,680.00	3,346.61	3,346.61	36,333.39	91.57 %
410-36-000-511400	Dental Insurance	3,420.00	3,420.00	286.17	286.17	3,133.83	91.63 %
410-36-000-511600	Life Insurance	340.00	340.00	25.75	25.75	314.25	92.43 %
410-36-000-511700	LAGERS Retirement Plan	16,870.00	16,870.00	1,058.16	1,058.16	15,811.84	93.73 %
410-36-000-512605	Employee Incentive Program	150.00	150.00	0.00	0.00	150.00	100.00 %
410-36-000-512700	HRA Deductible	4,680.00	4,680.00	0.00	0.00	4,680.00	100.00 %
410-36-000-520250	Administration, Finance & IT Depar	100,860.00	100,860.00	0.00	0.00	100,860.00	100.00 %
410-36-000-520300	Technical Services	21,180.00	21,180.00	519.14	519.14	20,660.86	97.55 %
410-36-000-520400	Other Contracted Services	49,990.00	49,990.00	4,610.70	4,610.70	45,379.30	90.78 %
410-36-000-521540	Uniform Cleaning Service	1,100.00	1,100.00	115.02	115.02	984.98	89.54 %
410-36-000-521560	Building Repair & Maintenance	1,700.00	1,700.00	0.00	0.00	1,700.00	100.00 %
410-36-000-521620	Equipment Repair & Maintenance	56,070.00	56,070.00	120.00	120.00	55,950.00	99.79 %
410-36-000-521630	Vehicle Repair & Maintenance	19,210.00	19,210.00	0.00	0.00	19,210.00	100.00 %
410-36-000-521640	Equipment Rental	5,370.00	5,370.00	28.34	28.34	5,341.66	99.47 %
410-36-000-522100	Advertising	1,000.00	1,000.00	0.00	0.00	1,000.00	100.00 %
410-36-000-522200	Property, Liability & Casualty Insura	24,800.00	24,800.00	0.00	0.00	24,800.00	100.00 %
410-36-000-522210	Self-Insurance Deductible	300.00	300.00	0.00	0.00	300.00	100.00 %
410-36-000-522300	Printing/Duplicating	1,000.00	1,000.00	0.00	0.00	1,000.00	100.00 %
410-36-000-522400	Telephone	3,930.00	3,930.00	150.76	150.76	3,779.24	96.16 %
410-36-000-522410	Telephone-Alarm Control	3,500.00	3,500.00	0.00	0.00	3,500.00	100.00 %
410-36-000-522500	Training/Seminars	1,000.00	1,000.00	0.00	0.00	1,000.00	100.00 %
410-36-000-522600	Travel	700.00	700.00	379.28	379.28	320.72	45.82 %
410-36-000-522700	Professional Dues & Memberships	500.00	500.00	0.00	0.00	500.00	100.00 %
410-36-000-522900	Postage	6,500.00	6,500.00	559.00	559.00	5,941.00	91.40 %
410-36-000-522950	Credit Card Fees	28,000.00	28,000.00	2,455.40	2,455.40	25,544.60	91.23 %
410-36-000-530200	Lab Supplies	2,460.00	2,460.00	0.00	0.00	2,460.00	100.00 %
410-36-000-530410	Parts-Vehicle	7,500.00	7,500.00	724.97	724.97	6,775.03	90.33 %
410-36-000-530415	Parts-Equipment	33,800.00	33,800.00	176.16	176.16	33,623.84	99.48 %
410-36-000-530420	Office Supplies	1,000.00	1,000.00	86.38	86.38	913.62	91.36 %
410-36-000-530500	Asphalt/Rock/Cement	10,500.00	10,500.00	40.44	40.44	10,459.56	99.61 %
410-36-000-530600	Straw/Seeding/Plants	500.00	500.00	0.00	0.00	500.00	100.00 %
410-36-000-530700	Uniforms & Clothing	1,000.00	1,000.00	71.01	71.01	928.99	92.90 %
410-36-000-530800	General Supplies	3,640.00	3,640.00	177.44	177.44	3,462.56	95.13 %
410-36-000-530900	Employee Appreciation Cost	100.00	100.00	0.00	0.00	100.00	100.00 %
410-36-000-531110	Electricity	46,200.00	46,200.00	0.00	0.00	46,200.00	100.00 %
410-36-000-531120	Heating Fuel	3,200.00	3,200.00	78.45	78.45	3,121.55	97.55 %

Budget Report

For Fiscal: 2023-2024 Period Ending: 10/31/2023

		Original	Current	Period	Fiscal	Variance	Percent
		Total Budget	Total Budget	Activity	Activity	(Unfavorable)	Remaining
410-36-000-531300	Gasoline & Oil	20,000.00	20,000.00	0.00	0.00	20,000.00	100.00 %
410-36-000-532200	Pipe & Fittings	8,000.00	8,000.00	0.00	0.00	8,000.00	100.00 %
410-36-000-532270	Manhole Replacement Program	15,450.00	15,450.00	0.00	0.00	15,450.00	100.00 %
410-36-000-533100	Chemicals	1,200.00	1,200.00	0.00	0.00	1,200.00	100.00 %
410-36-000-533300	Janitorial Supplies	400.00	400.00	32.36	32.36	367.64	91.91 %
410-36-000-534100	Depreciation Expense	283,400.00	283,400.00	0.00	0.00	283,400.00	100.00 %
410-36-000-534200	SmallTools/Equipment/Furnishings	39,450.00	39,450.00	548.42	548.42	38,901.58	98.61 %
410-36-000-541100	Improvements Other Than Building	600,000.00	600,000.00	0.00	0.00	600,000.00	100.00 %
410-36-000-541120	Sanitary Sewer System Improve	30,000.00	30,000.00	0.00	0.00	30,000.00	100.00 %
410-36-000-542100	Vehicles	45,000.00	45,000.00	0.00	0.00	45,000.00	100.00 %
410-36-000-542200	Machinery & Equipment	205,000.00	205,000.00	0.00	0.00	205,000.00	100.00 %
410-36-361-510100	Salaries/Wages-Regular	269,510.00	269,510.00	16,038.66	16,038.66	253,471.34	94.05 %
410-36-361-510200	Wages-PartTime/Permanent	0.00	0.00	2,359.68	2,359.68	-2,359.68	0.00 %
410-36-361-510300	Salaries/Wages-Overtime	10,280.00	10,280.00	704.36	704.36	9,575.64	93.15 %
410-36-361-511100	FICA Taxes	21,390.00	21,390.00	1,391.04	1,391.04	19,998.96	93.50 %
410-36-361-511300	Health Insurance	53,640.00	53,640.00	3,224.85	3,224.85	50,415.15	93.99 %
410-36-361-511400	Dental Insurance	3,970.00	3,970.00	227.41	227.41	3,742.59	94.27 %
410-36-361-511600	Life Insurance	350.00	350.00	21.85	21.85	328.15	93.76 %
410-36-361-511700	LAGERS Retirement Plan	16,640.00	16,640.00	1,121.78	1,121.78	15,518.22	93.26 %
410-36-361-512605	Employee Incentive Program	300.00	300.00	0.00	0.00	300.00	100.00 %
410-36-361-512700	HRA Deductible	6,490.00	6,490.00	0.00	0.00	6,490.00	100.00 %
410-36-361-520250	Administration, Finance & IT Depar	100,860.00	100,860.00	0.00	0.00	100,860.00	100.00 %
410-36-361-520300	Technical Services	24,530.00	24,530.00	1,730.89	1,730.89	22,799.11	92.94 %
410-36-361-520400	Other Contracted Services	30,880.00	30,880.00	193.84	193.84	30,686.16	99.37 %
410-36-361-521540	Uniform Cleaning Service	1,200.00	1,200.00	105.48	105.48	1,094.52	91.21 %
410-36-361-521560	Building Repair & Maintenance	1,550.00	1,550.00	70.12	70.12	1,479.88	95.48 %
410-36-361-521620	Equipment Repair & Maintenance	142,590.00	142,590.00	3,533.75	3,533.75	139,056.25	97.52 %
410-36-361-521630	Vehicle Repair & Maintenance	4,000.00	4,000.00	0.00	0.00	4,000.00	100.00 %
410-36-361-521640	Equipment Rental	500.00	500.00	0.00	0.00	500.00	100.00 %
410-36-361-522200	Property, Liability & Casualty Insura	32,000.00	32,000.00	0.00	0.00	32,000.00	100.00 %
410-36-361-522210	Self-Insurance Deductible	1,500.00	1,500.00	0.00	0.00	1,500.00	100.00 %
410-36-361-522300	Printing/Duplicating	1,200.00	1,200.00	0.00	0.00	1,200.00	100.00 %
410-36-361-522400	Telephone	4,840.00	4,840.00	307.88	307.88	4,532.12	93.64 %
410-36-361-522500	Training/Seminars	800.00	800.00	0.00	0.00	800.00	100.00 %
410-36-361-522600	Travel	500.00	500.00	0.00	0.00	500.00	100.00 %
410-36-361-522700	Professional Dues & Memberships	200.00	200.00	0.00	0.00	200.00	100.00 %
410-36-361-522900	Postage	7,200.00	7,200.00	559.00	559.00	6,641.00	92.24 %
410-36-361-530200	Lab Supplies	7,000.00	7,000.00	250.31	250.31	6,749.69	96.42 %
410-36-361-530410	Parts-Vehicle	1,500.00	1,500.00	0.00	0.00	1,500.00	100.00 %
410-36-361-530415	Parts-Equipment	60,100.00	60,100.00	624.11	624.11	59,475.89	98.96 %
410-36-361-530420	Office Supplies	200.00	200.00	38.74	38.74	161.26	80.63 %
410-36-361-530500	Asphalt/Rock/Cement	5,000.00	5,000.00	0.00	0.00	5,000.00	100.00 %
410-36-361-530600	Straw/Seeding/Plants	500.00	500.00	0.00	0.00	500.00	100.00 %
410-36-361-530700	Uniforms & Clothing	800.00	800.00	0.00	0.00	800.00	100.00 %
410-36-361-530800	General Supplies	1,800.00	1,800.00	0.00	0.00	1,800.00	100.00 %
410-36-361-531110	Electricity	189,880.00	189,880.00	0.00	0.00	189,880.00	100.00 %
410-36-361-531120	Heating Fuel	21,000.00	21,000.00	207.22	207.22	20,792.78	99.01 %
410-36-361-531300	Gasoline & Oil	4,200.00	4,200.00	0.00	0.00	4,200.00	100.00 %
410-36-361-532200	Pipe & Fittings	1,000.00	1,000.00	0.00	0.00	1,000.00	100.00 %
410-36-361-533100	Chemicals	25,690.00	25,690.00	2,892.60	2,892.60	22,797.40	88.74 %
410-36-361-534100	Depreciation Expense	920,000.00	920,000.00	0.00	0.00	920,000.00	100.00 %
410-36-361-534200	Small Tools/Equipment/Furnishings	34,150.00	34,150.00	1,561.56	1,561.56	32,588.44	95.43 %
410-36-361-541100	Improvements other than Buildings	250,000.00	250,000.00	0.00	0.00	250,000.00	100.00 %
410-36-361-542200	Machinery & Equipment	355,000.00	355,000.00	0.00	0.00	355,000.00	100.00 %
410-36-361-559110	Interest Expense	319,800.00	319,800.00	0.00	0.00	319,800.00	100.00 %
410-36-361-559120	Agent Fees	35,520.00	35,520.00	0.00	0.00	35,520.00	100.00 %
410-36-361-559130	Amortization of Bond Discount/Pre	-21,700.00	-21,700.00	0.00	0.00	-21,700.00	100.00 %
410-36-361-559200	Bond/Note Principal	1,080,000.00	1,080,000.00	0.00	0.00	1,080,000.00	100.00 %

Budget Report

For Fiscal: 2023-2024 Period Ending: 10/31/2023

	Original Total Budget	Current Total Budget	Period Activity	Fiscal Activity	Variance Favorable (Unfavorable)	Percent Remaining
Expense Total:	6,049,000.00	6,049,000.00	71,508.42	71,508.42	5,977,491.58	98.82%
Fund: 410 - SEWAGE TREATMENT FUND Surplus (Deficit):	-2,764,130.00	-2,764,130.00	142,834.80	142,834.80	2,906,964.80	105.17%
Report Surplus (Deficit):	-2,764,130.00	-2,764,130.00	142,834.80	142,834.80	2,906,964.80	105.17%

Budget Report

For Fiscal: 2023-2024 Period Ending: 10/31/2023

Group Summary

Account Type	Original Total Budget	Current Total Budget	Period Activity	Fiscal Activity	Variance Favorable (Unfavorable)	Percent Remaining
Fund: 410 - SEWAGE TREATMENT FUND						
Revenue	3,284,870.00	3,284,870.00	214,343.22	214,343.22	-3,070,526.78	93.47%
Expense	6,049,000.00	6,049,000.00	71,508.42	71,508.42	5,977,491.58	98.82%
Fund: 410 - SEWAGE TREATMENT FUND Surplus (Deficit):	-2,764,130.00	-2,764,130.00	142,834.80	142,834.80	2,906,964.80	105.17%
Report Surplus (Deficit):	-2,764,130.00	-2,764,130.00	142,834.80	142,834.80	2,906,964.80	105.17%

Budget Report

For Fiscal: 2023-2024 Period Ending: 10/31/2023

Fund Summary

Fund	Original Total Budget	Current Total Budget	Period Activity	Fiscal Activity	Variance Favorable (Unfavorable)
410 - SEWAGE TREATMENT FUND	-2,764,130.00	-2,764,130.00	142,834.80	142,834.80	2,906,964.80
Report Surplus (Deficit):	-2,764,130.00	-2,764,130.00	142,834.80	142,834.80	2,906,964.80



		Original Total Budget	Current Total Budget	Period Activity	Fiscal Activity	Variance Favorable (Unfavorable)	Percent Remaining
Fund: 400 - WATER FUND							
Revenue							
400-35-000-434100	County Grants	1,000,000.00	1,000,000.00	0.00	0.00	-1,000,000.00	100.00 %
400-35-000-450600	Penalties/Interest Charges	20,000.00	20,000.00	1,712.10	1,712.10	-18,287.90	91.44 %
400-35-000-450900	Revenues-All Other	15,000.00	15,000.00	1,050.00	1,050.00	-13,950.00	93.00 %
400-35-000-453100	Water Sales	2,030,000.00	2,030,000.00	193,479.33	193,479.33	-1,836,520.67	90.47 %
400-35-000-453200	Water Meter Sales	40,000.00	40,000.00	1,049.19	1,049.19	-38,950.81	97.38 %
400-35-000-453500	Connection Charges	70,000.00	70,000.00	1,800.00	1,800.00	-68,200.00	97.43 %
400-35-000-453550	Tap Charges	1,000.00	1,000.00	0.00	0.00	-1,000.00	100.00 %
400-35-000-453600	Labor & Equipment Charges	1,300.00	1,300.00	974.62	974.62	-325.38	25.03 %
400-35-000-453700	Miscellaneous Materials Sold	3,000.00	3,000.00	454.00	454.00	-2,546.00	84.87 %
400-35-000-461200	Rent/Lease-Municipal Property/Bui	76,500.00	76,500.00	4,917.22	4,917.22	-71,582.78	93.57 %
400-35-000-480000	Investment Income	15,000.00	15,000.00	0.00	0.00	-15,000.00	100.00 %
	Revenue Total:	3,271,800.00	3,271,800.00	205,436.46	205,436.46	-3,066,363.54	93.72%
Expense							
400-35-000-510100	Salaries/Wages-Regular	480,990.00	480,990.00	27,500.81	27,500.81	453,489.19	94.28 %
400-35-000-510150	Elected Board Officials Compensati	200.00	200.00	0.00	0.00	200.00	100.00 %
400-35-000-510300	Salaries/Wages-Overtime	23,520.00	23,520.00	1,065.23	1,065.23	22,454.77	95.47 %
400-35-000-511100	FICA Taxes	38,600.00	38,600.00	2,089.73	2,089.73	36,510.27	94.59 %
400-35-000-511300	Health Insurance	120,280.00	120,280.00	5,734.97	5,734.97	114,545.03	95.23 %
400-35-000-511400	Dental Insurance	8,330.00	8,330.00	475.18	475.18	7,854.82	94.30 %
400-35-000-511600	Life Insurance	730.00	730.00	38.46	38.46	691.54	94.73 %
400-35-000-511700	LAGERS Retirement Plan	33,780.00	33,780.00	1,611.90	1,611.90	32,168.10	95.23 %
400-35-000-512605	Employee Incentive Program	450.00	450.00	0.00	0.00	450.00	100.00 %
400-35-000-512700	HRA Deductible	14,370.00	14,370.00	0.00	0.00	14,370.00	100.00 %
400-35-000-520250	Administration, Finance & IT Depar	201,930.00	201,930.00	0.00	0.00	201,930.00	100.00 %
400-35-000-520300	Technical Services	24,480.00	24,480.00	1,080.14	1,080.14	23,399.86	95.59 %
400-35-000-520400	Other Contracted Services	58,570.00	58,570.00	5,431.80	5,431.80	53,138.20	90.73 %
400-35-000-521540	Uniform Cleaning Service	1,800.00	1,800.00	115.60	115.60	1,684.40	93.58 %
400-35-000-521560	Building Repair & Maintenance	5,000.00	5,000.00	0.00	0.00	5,000.00	100.00 %
400-35-000-521620	Equipment Repair & Maintenance	17,470.00	17,470.00	616.20	616.20	16,853.80	96.47 %
400-35-000-521630	Vehicle Repair & Maintenance	5,000.00	5,000.00	0.00	0.00	5,000.00	100.00 %
400-35-000-521635	Water System Repair & Maintenance	7,000.00	7,000.00	0.00	0.00	7,000.00	100.00 %
400-35-000-521636	Well Pump Repair & Maintenance	23,840.00	23,840.00	0.00	0.00	23,840.00	100.00 %
400-35-000-521640	Equipment Rental	1,500.00	1,500.00	28.34	28.34	1,471.66	98.11 %
400-35-000-522100	Advertising	800.00	800.00	0.00	0.00	800.00	100.00 %
400-35-000-522200	Property, Liability & Casualty Insura	48,700.00	48,700.00	0.00	0.00	48,700.00	100.00 %
400-35-000-522210	Self-Insurance Deductible	500.00	500.00	0.00	0.00	500.00	100.00 %
400-35-000-522300	Printing/Duplicating	3,000.00	3,000.00	0.00	0.00	3,000.00	100.00 %
400-35-000-522400	Telephone	5,250.00	5,250.00	529.62	529.62	4,720.38	89.91 %
400-35-000-522500	Training/Seminars	2,000.00	2,000.00	0.00	0.00	2,000.00	100.00 %
400-35-000-522600	Travel	1,500.00	1,500.00	379.30	379.30	1,120.70	74.71 %
400-35-000-522700	Professional Dues & Memberships	4,400.00	4,400.00	0.00	0.00	4,400.00	100.00 %
400-35-000-522900	Postage	14,500.00	14,500.00	1,118.00	1,118.00	13,382.00	92.29 %
400-35-000-522950	Credit Card Fees	24,000.00	24,000.00	2,455.40	2,455.40	21,544.60	89.77 %
400-35-000-530100	Subscriptions	0.00	0.00	4.00	4.00	-4.00	0.00 %
400-35-000-530410	Parts-Vehicle	4,000.00	4,000.00	59.61	59.61	3,940.39	98.51 %
400-35-000-530415	Parts-Equipment	10,500.00	10,500.00	197.55	197.55	10,302.45	98.12 %
400-35-000-530420	Office Supplies	1,200.00	1,200.00	96.16	96.16	1,103.84	91.99 %
400-35-000-530500	Asphalt/Rock/Cement	20,000.00	20,000.00	2,113.80	2,113.80	17,886.20	89.43 %
400-35-000-530600	Straw/Seeding/Plants	1,000.00	1,000.00	0.00	0.00	1,000.00	100.00 %
400-35-000-530700	Uniforms & Clothing	3,000.00	3,000.00	94.99	94.99	2,905.01	96.83 %

Budget Report

For Fiscal: 2023-2024 Period Ending: 10/31/2023

		Original	Current	Period	Fiscal	Variance	Percent
		Total Budget	Total Budget	Activity	Activity	(Unfavorable)	Remaining
<u>400-35-000-530800</u>	General Supplies	7,000.00	7,000.00	288.58	288.58	6,711.42	95.88 %
<u>400-35-000-531110</u>	Electricity	180,000.00	180,000.00	0.00	0.00	180,000.00	100.00 %
<u>400-35-000-531120</u>	Heating Fuel	3,200.00	3,200.00	78.45	78.45	3,121.55	97.55 %
<u>400-35-000-531300</u>	Gasoline & Oil	26,000.00	26,000.00	0.00	0.00	26,000.00	100.00 %
<u>400-35-000-532100</u>	Meters	124,300.00	124,300.00	6,850.01	6,850.01	117,449.99	94.49 %
<u>400-35-000-532150</u>	Hydrants	45,350.00	45,350.00	0.00	0.00	45,350.00	100.00 %
<u>400-35-000-532200</u>	Pipe & Fittings	44,410.00	44,410.00	824.79	824.79	43,585.21	98.14 %
<u>400-35-000-532250</u>	Line Extensions-Minor	0.00	0.00	4,368.50	4,368.50	-4,368.50	0.00 %
<u>400-35-000-533100</u>	Chemicals	15,750.00	15,750.00	2,764.56	2,764.56	12,985.44	82.45 %
<u>400-35-000-533300</u>	Janitorial Supplies	210.00	210.00	32.36	32.36	177.64	84.59 %
<u>400-35-000-534100</u>	Depreciation Expense	415,000.00	415,000.00	0.00	0.00	415,000.00	100.00 %
<u>400-35-000-534200</u>	Small Tools/Equipment/Furnishings	95,790.00	95,790.00	2,895.07	2,895.07	92,894.93	96.98 %
<u>400-35-000-541100</u>	Improvements Other Than Building	598,000.00	598,000.00	0.00	0.00	598,000.00	100.00 %
<u>400-35-000-541110</u>	Water System Improvements	300,000.00	300,000.00	44,463.71	44,463.71	255,536.29	85.18 %
<u>400-35-000-542100</u>	Vehicles	50,000.00	50,000.00	0.00	0.00	50,000.00	100.00 %
<u>400-35-000-542200</u>	Machinery & Equipment	130,000.00	130,000.00	0.00	0.00	130,000.00	100.00 %
<u>400-35-000-559110</u>	Interest Expense	109,600.00	109,600.00	0.00	0.00	109,600.00	100.00 %
<u>400-35-000-559140</u>	Amortization Bond Issuance Costs	-44,920.00	-44,920.00	0.00	0.00	-44,920.00	100.00 %
<u>400-35-000-559200</u>	Bond/Note Principal	277,200.00	277,200.00	0.00	0.00	277,200.00	100.00 %
	Expense Total:	3,589,080.00	3,589,080.00	115,402.82	115,402.82	3,473,677.18	96.78%
	Fund: 400 - WATER FUND Surplus (Deficit):	-317,280.00	-317,280.00	90,033.64	90,033.64	407,313.64	128.38%
	Report Surplus (Deficit):	-317,280.00	-317,280.00	90,033.64	90,033.64	407,313.64	128.38%

Budget Report

For Fiscal: 2023-2024 Period Ending: 10/31/2023

Group Summary

Account Type	Original Total Budget	Current Total Budget	Period Activity	Fiscal Activity	Variance Favorable (Unfavorable)	Percent Remaining
Fund: 400 - WATER FUND						
Revenue	3,271,800.00	3,271,800.00	205,436.46	205,436.46	-3,066,363.54	93.72%
Expense	3,589,080.00	3,589,080.00	115,402.82	115,402.82	3,473,677.18	96.78%
Fund: 400 - WATER FUND Surplus (Deficit):	-317,280.00	-317,280.00	90,033.64	90,033.64	407,313.64	128.38%
Report Surplus (Deficit):	-317,280.00	-317,280.00	90,033.64	90,033.64	407,313.64	128.38%

Budget Report

For Fiscal: 2023-2024 Period Ending: 10/31/2023

Fund Summary

Fund	Original Total Budget	Current Total Budget	Period Activity	Fiscal Activity	Variance Favorable (Unfavorable)
400 - WATER FUND	-317,280.00	-317,280.00	90,033.64	90,033.64	407,313.64
Report Surplus (Deficit):	-317,280.00	-317,280.00	90,033.64	90,033.64	407,313.64

Memorandum

TO: Darren Lamb, City Administrator
Board of Public Works

FROM: Kevin Quaethem, Public Works Superintendent

DATE: November 28, 2023

RE: Work Performed by the Water and Wastewater Departments

STATUS OF MAJOR CONTRACTS – October 2023

PROJECT	VENDOR	CONTRACT AMOUNT	PREVIOUSLY APPROVED	CURRENTLY APPROVED	BALANCE
Enduro & Clay St Water Storage Tanks	Cochran Eng.	\$54,000.00	\$49,287.87	\$0	\$4,712.13
CIPP – Sliplining Project 2023	Insituform	\$340,231.00 +\$8,469.10	\$226,795.81	\$121,904.29	\$0
Southpoint Ground Water Storage Tank	Cochran Eng.	\$74,960.00	\$67,487.33	\$0	\$7,472.67
Southpoint Ground Water Storage Tank	K.J.Unnerstall Construction	\$132,319.00 +\$2,000.00	\$57,722.58	\$15,714.90	\$60,881.52
Southpoint Ground Water Storage Tank	Caldwell Tanks	\$1,869,800.00	\$1,184,147.18	\$332,667.00	\$352,985.82

OCTOBER 2023

Water Pumped.....43,929,082 gallons, 1.42 mgd

Wastewater Effluent Flow.51,780,000 gallons, 1.67 mgd

Missouri One Call Locate messages339

Meters Issued as New.4

Meters Replaced.....1

Meters Issued for Irrigation systems0

Service Requests/Meter Appts./Work Orders.....37

Sewer Routines71

Delinquent Accounts shut off.17

WATER DEPARTMENT FIELD WORK PERFORMED – OCTOBER 2023

1. Shop Maintenance
2. Meter/Swapping/Repair
3. Check Wells/Heaters
4. Connection Inspections
5. Water leak Quail Run
6. Water break 1106 Cherry
7. Water break 6th & Stafford
8. Water leak Highway 100
9. Curbstop Repair Rand
10. Curbstop Repair Jefferson
11. 2nd street water line replacement

WW DEPARTMENT FIELD WORK PERFORMED – OCTOBER 2023

1. Sewer Routines
2. Manhole Inspections
3. Check Lift Station/Heaters
4. Industrial User Monitoring
5. Connection Inspections
6. Daily Lab work and Routines
7. Clean Process Filters
8. Clean belt press
9. Store sludge in drying beds
10. Sewer Backup 705 Windy Ridge
11. Sewer Backup 320 Locust St
12. Sewer Backup 10th & Locust
13. Sewer Repair 402 Fair St

ROUTINE FIELD WORK

1. Performed rereads as necessary.
2. Performed read-outs on meters (persons moving in and out)
3. Installed reading device receptacles on houses where new/replacement meters were installed.
4. Issued meters and materials to contractors, owners, etc.
5. Took necessary water samples of the distribution system.
6. Maintenance on Wells
7. Flushed hydrants – scheduled routine flushing.
8. Wastewater lab work.
9. Root-sawed and/or cleaned sewer lines where necessary.
10. Hauled sludge.
11. Televised sewer lines.
12. Performed river gauge measurement.
13. Performed sewer and water service main inspections.
14. Located water and sewer lines.
15. Monitored construction of water and sewer mains in new developments.
16. Responded to service call requests.
17. Invoiced for meters, materials and other charges as necessary.
18. Performed maintenance and repairs on buildings, vehicles, and equipment.

Missouri Department of Natural Resources
 Division of Environmental Quality
Microbiological Analysis Report

P.O. Box 176
 Jefferson City, MO 65102
 314--751-5331

Public Water System Name Washington Water Dept.			Laboratory Name				
Street Address Hwy 47			Franklin County Lab		7419		
City Washington			Zip Code 63090		Hwy 47 Ste. A Union, MO 63084		
County Warren		I.D. Number MO6220265		Certification Number 00700			
Date M/D/Y	Collection Point	Sample Type	Location Code	Sample Results		Chlorine Residual	
				Coliform	E-coli	Total	Free
10.17.23	12958 Hwy 47 South	R	R-1A	A	A	0	0
Total Routine Samples: 1				Signed: Kristen Wideman		Date 10.18.23	
Monitoring Violation ___ Yes ___ X No				Title: Lab Assistant			
MCL Violation ___ Yes ___ X No							

Total Routine Samples: 15			Signed: Kristen Wideman		Date 10.18.23		
Monitoring Violation <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No			Title: Lab Assistant				



PROJECT STATUS REPORT

TO: City of Washington
CC: Kevin Quaethem
FROM: T.J. Garbs
DATE: November 16, 2023
RE: Southpoint Ground Water Storage Tank
Cochran Project No. 22-9079

CALDWELL TANKS – TANK CONTRACT INFORMATION

Notice to Proceed Date: April 10, 2023
Substantial Completion Date: June 17, 2024

Original Contract Amount: \$1,869,800.00
Payment Requested to Date: \$1,420,277.05

KJU, INC. – SITEWORK CONTRACT INFORMATION

Notice to Proceed Date: April 10, 2023
Substantial Completion Date: June 17, 2024

Original Contract Amount: \$132,319.00
Payment Requested to Date: \$73,437.48

UPDATE

- Anticipated project schedule is as follows:

Release Plans to Contractors	February 1, 2023	COMPLETE
Bid Opening	March 2, 2023	COMPLETE
Award Contract	March 20, 2023	COMPLETE
Notice to Proceed	April 10, 2023	COMPLETE
Construction Complete	June 17, 2024	
- The tank erection process has been completed. Caldwell will return to the site in April to apply the coating system and finish the tank.
- Cochran will attend the November Board of Public Works Meeting to address any questions.



PROJECT STATUS REPORT

TO: City of Washington
CC: Kevin Quaethem
FROM: Brian Gentges
DATE: November 20, 2023
RE: Southpoint Rd. Sewer Interceptor Creek Crossing Repair
Cochran Project No. 23-9507

UPDATE

- Waiting on a response from CANAM on opinion of joint repair.
- Two structural engineers agree on concept. Further engineering will be needed to determine best option for piers.
- Geotechnical Report was completed on July 25, 2023.
- Rock probe was completed on July 26, 2023.
- Plans were issued for pricing on July 27, 2023.
 - Vernaci declined to bid due to current workload. Need to locate a 2nd bidder.
 - Sieve Contracting will provide bid.
- The 2nd structural review is complete. Cochran to begin revising plans the week of August 14th.
- KJU and Sieve provided bids. KJU is the apparent low bidder.
- City awarded the project to KJU. Cochran is working to schedule a meeting on-site with both the City and KJU present to discuss project scope and determine Notice to Proceed date.