

MINUTES OF THE BOARD OF PUBLIC WORKS
Tuesday, January 25, 2022

The Regular Meeting of the Board of Public Works held on January 25, 2022 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
Member	Brad Mitchell	Present
Member	Mike Radetic	Present
Member	Steve Richardson	Absent
Ex-officio Member	Steve Strubberg	Present
Ex-officio Member	Vacant	

OTHERS:

Council Representative	Steve Sullentrup	Absent
Council Representative	Mark Wessels	Present
Mayor	Sandy Lucy	Absent
City Administrator	Darren Lamb	Absent
Water/Wastewater Superintendent	Kevin Quaethem	Present
Water/Wastewater Secretary	Beverly Hoyt	Present
Public Works Director	John Nilges	Present
Assistant City Engineer	Andrea Lueken	Absent
Emergency Management Director	Mark Skornia	Absent
Fire Chief	Tim Frankenberg	Absent

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. Radetic to approve the minutes from the regular December 28, 2021 meeting. The motion passed without dissent.

Priority Items

There are no priority items.

The usual water breaks around and about it is just that time of the year. We are definitely better than most, spring is when we get the most breaks rather than winter. Reverse hydraulic pressure. We get more when it warms up, than when it is cold. The nature of the business, not a big deal.

Wastewater

We are in the process of replacing 80 feet of a sewer line on Horn Street. This is all part of the slip-lining project. The slip-lining project expanded this year. We went from Project A to add a Project B, which is more line. We did not have time to televise that line before Insituform came in and found (5) five spots that we had to do point repairs on which meant we have to dig down to the main and actually fix part of the pipe that they could not slip line through. So we got those taken care of, we have added (3) manholes. The line we are working on now was in such bad shape it could not be lined. It is about 12 foot deep and egg shaped, the whole main had started to collapse so it could not be lined it had to be replace. The manhole at the intersection of Horn and Mc Clean we found a 6-foot diameter of pipe that was completely gone. This is the good thing about doing this much lining, as we are doing, it pays off really well. We have noticed on the last rain events that we had, except for the pump that was completely plugged and not broken, there has been no substantial increase in water flow on the West end of town. Now we are noticing some increase on the East end of town, which is on our next project. Everything we have done on the West end of town is really paying off and we can see it in the pumping levels at both West End and Walnut Lift Stations. The money we are spending is really paying off. We have had some work to get that to finalize the slip-lining project, which will come back in when we are done with this line. They will be able to come back in and finish the project with the manholes at that point.

I wish I could sit here and say we can televise every line here in town once a year, but we just do not have the man power available. Council did increase my labor load on the wastewater side. They actually gave me the ability to have one lead laborer on the collection side and two (2) maintenance workers. One of which will give me the power to increase the televising, but until we get them hired. Once those positions are filled we will be able to branch out and do so much more. The beauty of slip lining is you take care of your infiltration issues but you also create pipes. These are brand new pipe going under our streets, kind of a 2-fold benefit. The addition where we are working at now is actually coordinated with our paving projects. The work that you see Kevin is talking about, patches and point repairs. That sewer main replacement will be coming through this summer and paving the streets at the same time. It is a process and you try to get them done ahead of time and hopefully that is a benefit that scheduling and coordinating we are trying to improve on through the years. .

You mentioned the pump stations and the water flow, is the technology in those pump stations letting you know when the amount of water going through there?

Yes, we monitor the level of the wet well on a 24-hour basis 7 days a week. We monitor which pumps are running, and we can tell how many hours one pump ran from the other and use the levels as our main indicator. At any given time we can pull this up on our phone or get on the computer and check the SCADA system and tell us level of every well and lift station. The main

lift stations only, not every lift station is on the system. They are just not designed the same. The lift stations themselves the main ones, Walnut Street, West End, West Link and West Main are on the SCADA system. West Main Lift Station picks up the landfill and the leachate, which is important for us to know at all times. West Link picks up all the industrial park and then it pumps it up and over the hill, and down to the main line by the railroad tracks. It goes into the West End and then West End pumps everything from the West side of town, the industrial park to Walnut Street and Walnut Street pumps all of that to the treatment plant. We are able to watch all the levels and tell exactly where they are at any given time. This tells us we are seeing a benefit in what we are doing on the west end of town. Those levels have dropped during rain events.

We have a lot of infiltration. On Horn Street we are working with a lot of ground water about eight (8) foot filling up the trenches as we dig.

Washington is very lucky on the water end. Our deep water table is very high. There are two (2) different water tables. There is an upper aquifer and a lower aquifer. The upper draws out with the residential wells and the lower one is where municipalities draws from. Our water level is very high on this side of the river. Why this side and not the other, I do not know. It is just not as good. We are very fortunate but what that also does is raise the upper aquifer level, which then raises the ground water level. This is all in unison so around here when you drive by the Cinema you see water coming out of the ground. This has run for years like this over 22 years. There is another one on High Street, when it rains the water table is high enough that we have what looks like a fountain coming out right at the curb, it has nowhere else to go. This is not a water main break its just ground water.

We are very fortunate for that because you never know when something could shift. It also adds a problem that look like water main breaks but they are just groundwater.

Treatment plant is working good, slip lining and manhole lining is our biggest thing out of wastewater. We are running still about 2.4 million gallons a day. The design of build is actually 4 million gallons so we are running just a hair over half throttle. We have a lot of growth there, we can expand to six (6) if we have to, if we get more people on line. We would love to see more people on line because it is harder to run the treatment plant at half throttle than it is at full throttle. They are doing a great job at the treatment plant.

On the monthly report the amount of sewage pumped versus the amount of water pumping the numbers are quite a bit apart from one another. Obviously, we are burning through a lot more sewer than water we are pumping. I am sure there is some coming from this infiltration, why is there that big of a difference?

Yes, it is the infiltration and it ties back to our higher water table. If you have a 12-foot line like we have over there, 12-foot deep at 8-foot it is coming into the trenches. That tells me right there we are getting continuous infiltration in that line. When you lift a manhole and look at flow you do not really know if its infiltration cause it is clear. You do not see dirty water like its dirt or mud it is just clean water when you look. It is flowing cause we do not have a way we can look at it every day at the same time to know that level is this or that. It looks like normal flow. We have lines that have a flow we assume is usage cause you cannot really tell, it could very easily be infiltration from ground water because our table is so high. We do treat a lot more than we pump and the only thing we can find that attributes to that is infiltration from ground water. Manholes

too that is why we are lining manholes. What we are paying for is energy the more we take care of the more we can spend on slip lining and getting all the lines that we can lined. It improves the longevity of the plant because it will not work as hard, less energy to run. Lift stations will not have to pump as much. We use VFDs now, which lets the power to the motor drop, which is less energy and less electrical consumption. We are trying to be as efficient as we can. There is a considerable amount of difference.

Are these numbers being tracked, is the gap getting smaller?

We have the ability to track this, we could do a graph, just has not been one of our steps. We have been focusing on doing the job and not really looking.

We do this report every single month and it is something we can do. If that number is not coming down then there is another problem.

In a perfect world, you would have everything sealed from water coming in on every side. There are sources you could have some water breaks mixed in there that we do not know about. There are just all kinds of things. Tracking it would be a part of figuring it out. This is something we will be looking into, yes. We have actually done a good job over the past years using software and things that we have to help us program these things. This is all somewhat new concepts. It would be easy to track it over monthly. There is fluxuation there you are going to have rain events.

Not so concerned on the month-to-month, two (2) years ago, three (3) years ago there should be a noticeable difference from now.

The biggest thing you are going to have is your inflow. Inflow is direct pumping into the sewer main, which is your sump pumps, down spouts that maybe connected. So the problem if you look at it is if you have a wet January or February and you did not have one the year before it kind of throws it all off. Because the inflow will be a number there as well.

Example, on High Street last year, the Shoe Factory roof that connected to the sanitary sewer system. We ran that number and two 2" of rain is about 120,000 gallons. Yet High Street had a box culvert that failed underneath the street that was going to the sanitary eight (8)" line. We had a 15" on Front Street a couple of years ago. Yes, you can track them the problem is it is hard to compare apples to apples from year to year.

Doing the Insituform there should be fluxuations. We could look at month by month. We had a rain event in January we could look back at that, that is a good idea.

With all these water tables, if you seal up over here all that water sitting there will push through weak spots elsewhere, so it will take a long time. Water will gravitate towards it and then spreads back out. It is in an area, not very large. Water will find the path of least resistance and will find a way to get where it wants to go. That is just the nature of water. It is an easy spreadsheet to keep track of.

Water

We have an update on the South Point Water Tower, we went out for RFQ's and had two (2) engineering firms come in. We did an evaluation (Kevin, John and Darrin) and we picked who we felt was most qualified which was Cochran Engineering. We met yesterday and started the process of getting the Scope and Proposal. We will have that for our next meeting. We are moving forward. The water tower will be known as South Point Water Tower. We are in the Scope of Work Phase slash Cost Proposal Phase and will have it for you by our next month's meeting.

Clay Street Water Tower looks good with that blue paint and South Point will be painted the same blue color. Prices are all over the place, which is a concern we have, trying to get this designed. There are only two (2) bidding schedules. We are trying to bid it this summer or in the fall. We do not know where prices are going to go they fluctuate every day. The dollar is going up and do not see when it will be stabilizing any time soon. It is budgeted, and will have a joint effort. The water fund cannot fund the construction. We have worked on this in the past years with water rates, but was unable to fund that. Our Capital Sales Tax funds a portion of that and then we also talked internally and Darren kind of briefed the Council on this but ARPA funds are potential as well that's the federal stimulus money that can be used for water, sanitary it has to be used by 2025. There is some opportunity there and I know we will be coming to Council with that funding breakdown. It was important that the water fund be able to handle all of these in the future. Because we are relying on sales tax and stimulus funds from the feds is not how you want to operate the water system. Trying to get us over the hump and on the straight and narrow.

The bill we have should have been under wastewater for work completed to date from Insituform on what they were able to slip line.

A motion made by Mr. Radetic and second by Mr. Mitchell for approval. All in favor aye, all oppose none. The motion passed without dissent.

Other

We are doing shut offs this week for delinquent accounts. We did not do any in December because Washington has customarily not shut off during Christmas time, so we just skip December. With doing that we only have about 85 accounts that are delinquent, 2-months we only do 2-month not the one-month. Anything could happen on that one-month, in light of things they are not excessive, there is new faces on there that have not been on before. We have 13 that we know we have problems with its either curb stops or units we cannot get into that we are working on. When we started doing this aggressively we had like 50 of them that we could not shut off, so we are weeding them down. What has really helped and we have not had the opportunity to ram up on is the fact we now are responsible for the curb stops. We can now just go and dig them up. Without having to worry about someone coming out yelling; why are you working on my curb stop and it was usually when we are there to shut off. Now they are curb stops and we can dig them up anytime we want. The ones we cannot get on will be our project once we get our sewer project done and when the weather gets a little better. The rest are accounts we turn off and they get right back on the list again. There are a couple delinquent accounts that we will be adding our new alley meters so they we can automatically be shut off. We have two (2) in the system now and they work great. Both accounts we had to shut off did not hesitate to come in and pay. Now they are pretty on time.

Those meters are expensive they are \$450.00 a piece but the first one we put in gave us the ability to collect \$1,200.00 that had not been paying because they knew we could not shut them off. We only have one person shutting off today since the others are working on Horn Street Sewer Project. Next month we will address them with a full crew.

Old Business

Any other discussion – None.

Next Scheduled Meeting Date

The next scheduled meeting date is Tuesday, February 22, 2022.

Adjourn

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

Prepared by: _____
Beverly Hoyt
Water/Wastewater Secretary

Adopted and Approved by the Board of Public Works:

Date: _____ Signature: _____
Secretary

Memo

To: Board of Public Works
From: Kevin Quaethem, Water and Wastewater Superintendent
Date: 2/16/2022
Re: Installation and Piping (New Blower @ WWTP) - Pay Request

Attached is the pay request in the amount of \$20,661.00 from Heggemann, Inc. for the Installation and piping of one new blower at the WWTP for the City of Washington. Payment is recommended and the status is summarized below:

<u>Description</u>	<u>Contract Amount</u>
Contract Amount	<u>\$20,661.00</u>

Amount Due	<u>\$20,661.00</u>
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Approved by: _____ Date: _____
John Vietmeier, Board of Public Works Chairman

Invoice

DATE	INVOICE #
2/16/2022	22-36353

BILL TO
City of Washington, MO 405 Jefferson Street Washington, MO 63090-2607

JOB NAME

TECH	P.O. NO.	TERMS
		Net 30

DESCRIPTION	AMOUNT
Installation and piping of one new blower at the WWTP per bid	20,661.00

Thank you for your business.	Total	\$20,661.00
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Website	Fax #
heggemanninc.com	636-456-1172



February 17, 2022

John Nilges
Public Works Director
City of Washington
405 Jefferson Street
Washington, MO 63090

SENT VIA: Email
(jnilges@washmo.gov)
(kquaethem@washmo.gov)

RE: Proposal – Professional Design Services
Southpoint Ground Water Storage Tank

Dear Mr. Nilges:

Thank you for giving Cochran the opportunity to submit this proposal to provide professional design services for the above-referenced project. In accordance with our discussions we offer the following professional services:

ITEM NO. 1: DESIGN

SCOPE OF WORK

1. Design will include Ground Storage Tank Elevations, Ground Storage Tank Details, Site Plan, Grading Plan, Utility Plan, and Construction Details. Design fees are based on the attached approved conceptual site plan dated March 2021.
2. Prepare 30%, 60%, and 90% plans for owner review and approval. Plans will be prepared in accordance with Missouri Department of Natural Resources and Owner requirements.
3. Permitting of the project with the Missouri Department of Natural Resources to obtain a Construction Permit. Cochran will prepare the MDNR construction permit application for signature by Owner. A brief Engineering Report will be required by MoDNR.
4. Prepare Project Manual for use in bidding and construction. The project manual will contain contract documents (front end documents) and technical specifications. We anticipate two construction contracts.
5. Prepare final engineer's cost estimate. Participate and assist in pre-bid meeting, bid openings, contractor selection, and pre-construction meeting. Cochran will also prepare a bid tabulation.

FEE:

The total amount of fee to be paid for the professional services outlined in **Item No. 1** of this proposal shall be a lump sum fee of **\$35,600.00**. This fee is good for a period of thirty (30) days from the date of this proposal.

ITEM NO. 2: GEOTECHNICAL INVESTIGATION

SCOPE OF WORK:

1. Per your request, we propose to explore the subsurface conditions at the site of the referenced project by drilling 5 borings to a depth of 30 feet below the existing ground surface. The borings will be drilled within the proposed water tank footprint. The borings will extend to their planned termination depth or auger refusal (whichever is

8 East Main Street
Wentzville, MO 63385
Phone: 636-332-4574
Fax: 636-327-0760

737 Rudder Road
Fenton, MO 63026
Phone: 314-842-4033
Fax: 314-842-5957

530A East Independence Drive
Union, MO 63084
Phone: 636-584-0540
Fax: 636-584-0512

1163 Maple Street
Farmington, MO 63640
Phone: 573-315-4810
Fax: 573-315-4811

2804 N. Biagio Street
Ozark, MO 65721
Phone: 417-595-4108
Fax: 417-595-4109

905 Executive Drive
Osage Beach, MO 65065
Phone: 573-525-0299
Fax: 573-525-0298

encountered first). Upon encountering refusal of the drilling auger, rock cores will be performed to a depth of 5 feet below the encountered rock surface in two of the borings. The borings will be located in the field and surface elevations interpolated via available existing contour information.

Standard penetration tests (SPT) will be performed at 2.5- to 5-foot intervals in the overburden soils. NX-sized rock cores will be attempted in two of the borings. The borings will be backfilled with the auger cuttings upon completion of drilling. The samples from the field exploration program will be transported to our laboratory for classification and testing. We will determine the moisture content of each cohesive sample, Atterberg limits testing will be performed as needed on select samples, and the rock samples will be observed and classified.

Feasible foundation types and related design parameters, seismic design considerations, general site drainage, rock excavation considerations (if any), suitability of on-site soils for use in engineered fills and earth-related construction procedures will be presented in a summary report.

CLIENT RESPONSIBILITY:

The Client shall mark private underground utilities prior to drilling.
Client shall provide clearing for rig and support truck access to boring locations.

FEE:

The total amount of fee to be paid for the professional services outlined in **Item No. 2** of this proposal shall be a lump sum fee of **\$6,560.00**. This fee is good for a period of thirty (30) days from the date of this proposal.

ITEM 3: CONSTRUCTION ADMINISTRATION/TESTING/INSPECTION

SCOPE OF WORK:

The Engineer will serve as the Owner's representative for administering the terms of the construction contract between the Owner and their contractor. Engineer will endeavor to protect the Owner against defects and deficiencies in workmanship and materials in work by the Contractor. However, the furnishing of such project representation will not make Engineer responsible for the construction methods and procedures used by Contractor or for the Contractor's failure to perform work in accordance with the contract documents. Engineer's services will include more specifically as follows:

1. Cochran will provide site visits to observe the Contractor's progress and quality of work, and to determine if the work conforms to the contract documents. The Engineer will accompany Owner representatives on visits to the project site as requested.
2. Tank foundation inspection including geotechnical inspection of exposed bearing stratum of footings, reinforcing steel inspection and concrete testing.
3. Inspection of tank construction including steel material, welds, sandblasting/surface preparation, coating application, coating thickness, and tank appurtenances. We anticipate hiring a sub-consultant to perform this scope of work.
4. Reject work not conforming to the project documents.
5. Prepare change orders for issuance by the Owner as necessary and assure that proper approvals are made prior to work being performed.
6. Review shop drawings, submittals, wage rates, pay applications, and other related items called for in the contract documents.
7. Be present during critical construction operations.
8. An inspector will be on-site as needed to measure payment quantities for solid rock excavation.

9. Participate in final inspection and provide Punchlist.

FEE:

The total amount of fee to be paid for the professional services outlined in **Item No. 3** of this proposal shall be a lump sum fee of **\$32,800.00**. This fee is good for a period of thirty (30) days from the dated of this proposal. Water main inspection fees are based on (20) hours of inspection per week for (3) weeks. Longer construction duration may result in additional fees.

SERVICES NOT INCLUDED:

(All can be provided under a separate proposal on a time and materials basis.)

1. Architectural Services
2. Environmental/Wetlands/Asbestos/Traffic/Fire Flow Studies or Reports
3. Recording and Permit Fees
4. Construction Stakeout
5. Zoning Activities/Approvals
6. ALTA/NSPS Land Title Survey
7. As-Built Drawings
8. Borings to Determin Rock Depth along Water Main Alignment
9. Easement Acquisition
10. Full-Time Inspection
11. Watermain Inspection
12. Off Site Water Main Design

OWNER'S RESPONSIBILITY:

1. The Owner shall give prompt and thorough consideration to all sketches, drawings, bid documents and other documents laid before him. Prompt decisions will be required if project is to proceed on schedule.
2. Advertisement and receipt of construction bids.
3. General day-to-day review of construction.

TOTAL FEE:

The total amount of fee to be paid for the professional services outlined in this proposal shall be as summarized in the following table. This fee is good for a period of thirty (30) days from the date of this proposal.

ITEM NO. 1: DESIGN	\$ 35,600.00
ITEM NO. 2: GEOTECHNICAL INVESTIGATION	\$ 6,560.00
ITEM NO. 3: CONSTRUCTION ADMINISTRATION/TESTING/INSPECTION	\$ 32,800.00
TOTAL	\$ 74,960.00

EASEMENT EXHIBITS – As needed, Cochran will prepare easement exhibits for parcels along the new water main for use in acquisition of easements. Fee for this service will be \$350 per parcel/exhibit.

1. Reimbursable Expenses – Mileage, long distance telephone calls, courier, in-house and out-of-house printing charges, etc. are not included in the above fees and will be billed to the Client at cost. It is estimated that the reimbursable expenses will not exceed **\$500.00**.
2. Any tasks in addition to those specifically described above, will be billed as extras on a time and materials basis using the attached rates.
3. Billing for Cochran fees and reimbursable expenses will be submitted monthly.

PAYMENT:

1. An invoice for progress payments will be submitted monthly during the performance period of this contract for professional services rendered. It is agreed that monthly progress payments for fees earned under this agreement are due and payable within fifteen (15) days of submission of invoices.
2. Any invoices remaining unpaid beyond fifteen (15) days will accrue interest at the rate of one and one-half (1½%) per month on the unpaid balance.
3. It is further understood that if the project is abandoned, or if any work being performed is suspended in whole or in part prior to the completion of any phase, payment will be due in direct proportion to the amount of work accomplished.
4. In addition, payment will be due for all reimbursable expenses incurred prior to receipt of written notice or such abandonment or suspension.

TIME OF PERFORMANCE:

We will make every effort to complete the project within the Owner's time frame and according to schedule. Cochran will not, however, be responsible for delays caused by events beyond our control.

TERMS AND CONDITIONS:

Attached to this proposal is a copy of the Cochran Standard Terms and Conditions. These terms and conditions shall apply to this proposal for professional services, which can also serve as a letter agreement. This document is enclosed for your review and reference.

AFFIDAVIT OF COMPLIANCE:

In accordance with the provisions of Section 34.600 RSMo. Cochran shall, upon execution of the Contract, execute and deliver to the City an affidavit in the form marked Exhibit A attached hereto and incorporated herein by reference. Failure to provide the affidavit and comply with the provisions of Section 34.600 RSMo shall render the Contract void.

GENERAL:

The terms and conditions of this contract shall apply to all work performed for the benefit of the project, any contiguous property that may be acquired at a later date, and any work performed off the site that benefits the project (permits, licenses, easements, etc.).

Cochran's reputation is based on understanding and meeting all the project objectives of our clients. We look forward to having an opportunity to demonstrate that responsiveness by providing timely and cost effective professional services.

If you would like to authorize Cochran to perform the professional services outlined in this proposal, please indicate your acceptance of the terms of this letter agreement by signing in the space provided below **AND** initializing **ALL** other pages. Return one (1) copy for our contract files.

If you have any questions or changes regarding this proposal, please contact me at 636-584-0540. Thank you.

Mr. John Nilges
City of Washington
Proposal – Southpoint Ground Water Storage Tank
February 17, 2022

THIS CONTRACT CONTAINS A BINDING ARBITRATION PROVISION, WHICH MAY BE ENFORCED AT COCHRAN'S OPTION.

Sincerely,



David Van Leer, P.E.
Cochran

Acceptance:
City of Washington

By: _____

Title: _____

Date: _____

Attachments: Exhibit A – Affidavit of Compliance
 Exhibit B – Preliminary Site Grading Plan
 Tank Inspection Proposal – Mid-South Tank Consultants
 Standard Charge Out Rates
 Cochran Terms & Conditions

**AFFIDAVIT OF COMPLIANCE
ANTI-DISCRIMINATION AGAINST ISRAEL ACT**

Affidavit of Compliance with Section 34.600 RSMo for Contracts over \$100,000 or for Contractors with Ten (10) or more employees:

I, Steven Laune [Contractor Agent], being duly sworn, attest and state, under penalty of perjury, as follows:

1. I am employed by CB Engineering, Inc. dba Cochran [Contractor] and serve as the Business Manager [Position with Contractor].
2. I hereby affirm that CB Engineering, Inc. dba Cochran [Contractor]:
 - a) is not currently engaged in and shall not, for the duration of the contract, engage in a boycott of goods or services from the State of Israel; or
 - b) is not currently engaged in and shall not, for the duration of the contract, engage in a boycott of goods or services from companies doing business in or with Israel or authorized by, licensed by, or organized under the laws of the State of Israel; or
 - c) is not currently engaged in and shall not, for the duration of the contract, engage in a boycott of goods or services from persons or entities doing business in the State of Israel.

Further Affiant Sayeth Not.



[Contractor Agent]

STATE OF MISSOURI)
Franklin COUNTY)) ss.

Subscribed and sworn to me, a notary public, this 4 day of February, 2022.



Notary Public

My commission expires: June 16, 2025

JESSICA HAYNES
NOTARY PUBLIC - NOTARY SEAL
STATE OF MISSOURI
MY COMMISSION EXPIRES JUNE 16, 2025
FRANKLIN COUNTY
COMMISSION #13493936



**Mid-South
Tank Consultants**
1863 Bradshaw Blvd • Cookeville, TN 38506
270-559-4727

Cochran Engineering
Attn: Mr. David Van Leer, P.E.
530A E Independence Dr.
Union, MO 63084

Dear Mr. Van Leer,

Critical Phase Inspection of the New Ground Storage Tank; Washington, MO

This agreement is to confirm our recent conversation regarding the critical phase inspection during erection and painting activities of the subject tank. Our inspection service and costs are as follows:

INSPECTION OF ERECTION WORK IN PROCESS (up to 3 trips)...\$3,300.00

1. Fabrication inspection of new construction
2. Photographic documentation – all phases of erection
3. Access all tank surfaces to assure proper fit up of tank panels
4. Review weld seams to assure removal of weld spatter, grinding of rough edges, and repair of fit up scars

INSPECTION OF PAINTING WORK IN PROCESS (up to 9 trips)...\$9,900.00

1. Inspection of repair and painting activities.
2. Photographic documentation - all phases of blasting/painting/repair.
3. Equipment and materials checks.
4. Inspection of surface preparation.
5. Inspection of each coat of paint applied.
6. Batch numbers of all coatings on site recorded.
7. Holiday detection of interior water bearing surfaces.
8. Bound report including individual trip logs and pictorial history of job progress.

If additional inspections are required, they will be \$1,100.00/trip and shall be authorized by you as an amendment to this agreement.

Submitted by:

Accepted by:

Jeff W. Oakley
NACE #319

Date:

Date:

February 4, 2022



2022 Hourly Fee Schedule

The following is a list of hourly rates for our Fee Service Contracts.
Effective August 1, 2021, these rates will apply to all projects performed on a time and expense basis.

<u>Title</u>	<u>Charge-Out</u>
Principal	\$ 175.00
Managing Engineer	\$ 150.00
Engineer 1	\$ 140.00
Engineer 2	\$ 130.00
Engineer 3	\$ 115.00
Engineer 4	\$ 105.00
Engineer 5	\$ 95.00
Senior Architect	\$ 150.00
Architect 1	\$ 125.00
Architect 2	\$ 115.00
Architect 3	\$ 105.00
Managing Surveyor	\$ 140.00
Surveyor 1	\$ 130.00
Surveyor 2	\$ 120.00
Surveyor 3	\$ 110.00
Senior Manager	\$ 85.00
Secretary	\$ 55.00
Field Manager	\$ 75.00
Inspector	\$ 70.00
Technician	\$ 55.00
MoDOT Certified Technician	\$ 60.00
Drafter/Survey Tech 1	\$ 105.00
Drafter/Survey Tech 2	\$ 95.00
Drafter/Survey Tech 3	\$ 85.00
Drafter/Survey Tech 4	\$ 70.00
One Man Survey Crew	\$ 120.00

Note:

*Survey Field crew prices will vary depending upon the Survey Tech assigned to the project.
*Overtime rate of 1.5 times the regular rate will be charged for hours worked after 8 hours per day, Saturdays, Sundays, or Holidays.

COCHRAN STANDARD TERMS AND CONDITIONS

1. Unless expressly stated in the attached proposal letter (“Proposal”), the Proposal must be accepted in writing within thirty days or the Proposal is void and unenforceable.
2. The acceptance of the Proposal is conditioned upon these Terms and Conditions and the terms of the Proposal, which shall be the only terms and conditions applicable to any agreement between Cochran and Client. Requesting performance of the work by Cochran, sending a notice to proceed with the work, or an acknowledgment of the Proposal by the issuance of a purchase order by Client, notwithstanding any terms additional to or different from those contained herein, shall be deemed to be an acceptance of these Terms and Conditions by Client.
3. The Proposal and these Terms and Conditions constitute the entire agreement (“Contract”) between Cochran and the Client for the services identified in the Proposal. All prior proposals, negotiations, representations, recommendations, statements or agreements made or entered into prior to or contemporaneously with this Contract, whether oral or in writing, are superseded by this Contract unless they are expressly incorporated herein by reference. Any terms contained in any communication from Client which are inconsistent with the Contract shall not be binding upon Cochran.
4. Cochran may submit invoices on not less than a monthly basis. Cochran’s invoices are due and payable within fifteen (15) days of the submission of each invoice. Interest will accrue at the rate of one and one-half percent (1.5%) per month on all unpaid invoices from the date payment was due. In the event that Client disputes an invoice, Client will pay the undisputed portion of the invoice and provide a written explanation to Cochran of the basis for Client’s dispute. If Client fails to pay in full any of Cochran’s invoices, Cochran may immediately, without waiving any other rights it may have, suspend work pending resolution of the payment dispute. Client’s failure to pay any of Cochran’s invoices in full shall be considered a material breach of this Contract.
5. Unless specifically stated to the contrary in the Proposal, reimbursable expenses are in addition to the amounts identified for Cochran’s fees for basic and additional services. Reimbursable expenses shall include, but are not limited to: Client-authorized out-of-town travel, transportation, and subsistence expenses; fees paid for securing approval of jurisdictional authorities; postage, courier, or other delivery fees; material costs for models, mock-ups, or other presentation media; photographic film and development expenses.
6. This Contract is binding upon the heirs, successors and assigns of the parties hereto and may not be assigned by either party without the prior written consent of the other party.
7. Nothing in this Contract is intended to create any enforceable third party rights against Client or Cochran.
8. Cochran will perform all of its services consistent with that degree of skill and learning ordinarily used under the same or similar circumstances by the members of Cochran’s profession working in the same locale.
9. If, and to the extent that Cochran’s scope of work includes construction phase services, any such services shall be provided in accordance with and governed by the applicable terms of AIA Document A201 General Conditions of the Contract for Construction, 2007 Edition (“General Conditions”) If there is a conflict between the General Conditions and this Contract, this Contract will control.
10. When making any interpretation or decision as required by the General Conditions, Cochran will not show partiality to any party, and shall not be liable for interpretations or decisions rendered in good faith.
11. Cochran has no responsibility or obligation to supervise or direct the work activities of the Client’s employees and representatives, or any construction contractors, sub-contractors or any of their employees, or other persons not employed by Cochran.
12. Cochran will abide by any job-site safety programs identified in writing by the Client but will not be responsible for job-site safety of any persons not directly employed by Cochran.
13. Cochran has no responsibility or obligation with respect to the construction means, methods, sequencing or procedures of any construction contractors, sub-contractors or any of their employees.
14. Cochran is not responsible for the failure of any contractor to perform work properly and in accordance with any applicable documents, plans, specifications, codes or standards.
15. Cochran is not responsible for the identification of unsafe conditions, nor for the identification, handling, or removal of hazardous and/or toxic substances found on or brought to the site. Prior to the start of work, the Client shall disclose and identify in writing to Cochran, to the best of Client’s knowledge, all hazardous and/or toxic substances located on the site. Client agrees to defend, indemnify and hold Cochran harmless from and against all claims, demands and liabilities of any kind or nature resulting from any hazardous and/or toxic substances that are found on the site and which were not identified by Client – even if not known by Client.

16. Cochran will have no obligation to commence its work until receipt of a written notice-to-proceed from Client and all other information required to be provided by Client. Cochran shall complete its work within any time limits identified in the Proposal. Cochran shall be entitled to an extension of time for performance of its work due to any delays that are due to any cause beyond Cochran's reasonable control. In no event will Client be entitled to any costs, losses, expenses or damages (including, but not limited to, claims or damages attributable to home office overhead costs, loss of profits, loss of business opportunities and/or additional financing costs) as a result of any delay caused or attributable to Cochran.
17. Cochran and Client waive any and all claims against each other for consequential, indirect, incidental and special damages arising out of or relating to this Contract, the alleged breach thereof, and/or Cochran's work; including, but not limited to, lost profits, loss of business, financing costs, extended home office overhead and similar types of damages.
18. Provided that written notice of a material breach of this Contract has been provided to the defaulting party and the defaulting party has failed to cure or taken reasonable efforts to cure its default within seven (7) calendar days of its receipt of the notice, the non-defaulting party may terminate this Contract by sending notice of termination to the defaulting party.
19. If the Contract is terminated for any reason not attributable to Cochran, Client will pay for the work performed by Cochran up to the date of termination plus all of Cochran's costs related to the termination (e.g., close-out costs, costs of terminating contracts with consultants, etc.).
20. In the event that there are any changes in applicable laws, codes or regulations after the Contract is executed that result in the need for Cochran to perform additional services and/or incur additional costs, Client shall pay Cochran for said services and costs at the rates set forth in the Proposal.
21. All documents and electronic media produced by Cochran under this Contract ("Instruments of Service") shall remain the property of Cochran, and Cochran shall retain all rights to the same, including copyrights, and they may be used by the Client only for the project identified in the Proposal. In the event of the termination of this Contract, the Client shall return the Instruments of Service to Cochran, and the Instruments of Service may not be used by the Client or a third party to complete the project without the written consent of Cochran.
22. Client and Cochran waive all rights against each other, any contractors and other professionals, and any of their respective consultants, contractors, suppliers, subcontractors, agents and employees, for damages caused by perils to the extent covered by insurance, except such rights as they may have to the insurance proceeds.
23. This Contract and the rights of the parties shall be governed by the laws of the State of Missouri.
24. Any claims, disputes, or other matters in question arising out of or relating to this Contract, the alleged breach thereof, and/or Cochran's work, at Cochran's sole election and discretion, shall be decided by binding arbitration in accordance with the Construction Industry Arbitration Rules of the AAA. A demand for arbitration must be made within a reasonable time, and before the expiration of the applicable statute of limitations. Unless it consents in writing, Cochran may not be joined in any other arbitration involving the same project. The arbitration shall be held where the project is located.
25. In the event of any dispute, claim, arbitration or litigation arising out of or relating to this Contract, the alleged breach thereof, and/or Cochran's work, the prevailing party shall be awarded its attorney's fees, expert witness fees, expenses, arbitration fees and expenses, and court costs at the trial and all appellate levels; including costs and fees related to collection efforts. Determination of which party prevailed shall be made by the judge or arbitrator(s). The determination shall be made by reviewing the claims resolved at trial or arbitration (which excludes any claims resolved prior to the taking of evidence), and then determining which party achieved the greater success by quantifying the amounts awarded the party recovering damages or obtaining relief and comparing that result to the relief and/or damages requested by that party at the trial or arbitration. If that party received less than 50% of the relief and/or damages it sought, then the other party prevailed. If that party receives more than 50% of the relief and/or damages it sought, then it prevailed. The judge or arbitrator(s) may consider the percentage of recovery when determining the amount of fees and expenses to be awarded to the prevailing party. If more than one claim is presented, then the judge or arbitrator(s) may elect to evaluate who is the prevailing party on a claim by claim basis, or in the aggregate as they deem appropriate. In making the determination of which party prevailed, the judge or arbitrator(s) shall take into consideration any settlement offers or demands made prior to trial or arbitration.
26. **THE TOTAL LIABILITY OF COCHRAN AND ANY OF COCHRAN'S CONSULTANTS FOR ANY ACTIONS, DAMAGES, CLAIMS, DEMANDS, JUDGMENTS, LOSSES, COSTS, OR EXPENSES (INCLUDING ATTORNEY'S FEES AND COURT OR ARBITRATION COSTS AND FEES) ARISING OUT OF OR RESULTING FROM COCHRAN'S OR ITS CONSULTANTS' NEGLIGENT ACTS, ERRORS, OMISSIONS OR BREACHES OF CONTRACT IS LIMITED TO THE LESSER OF THE CONTRACT PRICE OR THE AMOUNT OF PROFESSIONAL LIABILITY INSURANCE MAINTAINED BY COCHRAN AND AVAILABLE TO PAY SAID CLAIM. THIS LIMITATION OF LIABILITY IS APPLICABLE TO ALL CLAIMS THAT MAY BE ASSERTED AGAINST COCHRAN OR ITS CONSULTANTS ARISING OUT OF OR RELATING TO THE PROJECT OR THIS CONTRACT, WHETHER THE CLAIMS ARISE IN CONTRACT, TORT, STATUTE, OR OTHERWISE.**



		Original Total Budget	Current Total Budget	Period Activity	Fiscal Activity	Variance Favorable (Unfavorable)	Percent Remaining
Fund: 400 - WATER FUND							
Revenue							
400-35-000-450600	Penalties/Interest Charges	22,000.00	22,000.00	1,769.68	7,769.66	-14,230.34	64.68 %
400-35-000-450900	Revenues-All Other	15,000.00	15,000.00	375.00	3,723.31	-11,276.69	75.18 %
400-35-000-453100	Water Sales	1,800,000.00	1,800,000.00	133,785.08	576,170.21	-1,223,829.79	67.99 %
400-35-000-453200	Water Meter Sales	40,000.00	40,000.00	2,956.17	13,398.82	-26,601.18	66.50 %
400-35-000-453500	Connection Charges	50,000.00	50,000.00	4,800.00	38,700.00	-11,300.00	22.60 %
400-35-000-453550	Tap Charges	1,000.00	1,000.00	0.00	500.00	-500.00	50.00 %
400-35-000-453600	Labor & Equipment Charges	1,300.00	1,300.00	0.00	0.00	-1,300.00	100.00 %
400-35-000-453700	Miscellaneous Materials Sold	3,000.00	3,000.00	0.00	147.24	-2,852.76	95.09 %
400-35-000-461200	Rent/Lease-Municipal Property/Bui	34,665.00	34,665.00	4,011.36	15,924.15	-18,740.85	54.06 %
400-35-000-480000	Investment Income	10,000.00	10,000.00	0.00	0.00	-10,000.00	100.00 %
	Revenue Total:	1,976,965.00	1,976,965.00	147,697.29	656,333.39	-1,320,631.61	66.80%
Expense							
400-35-000-510100	Salaries/Wages-Regular	458,810.00	458,810.00	30,538.58	131,995.37	326,814.63	71.23 %
400-35-000-510150	Elected Board Officials Compensati	200.00	200.00	0.00	100.00	100.00	50.00 %
400-35-000-510200	Wages-Parttime/Permanent	5,670.00	5,670.00	0.00	0.00	5,670.00	100.00 %
400-35-000-510300	Salaries/Wages-Overtime	18,540.00	18,540.00	2,308.52	6,840.47	11,699.53	63.10 %
400-35-000-511100	FICA Taxes	36,970.00	36,970.00	2,397.62	10,159.10	26,810.90	72.52 %
400-35-000-511300	Health Insurance	89,630.00	89,630.00	6,701.98	27,434.60	62,195.40	69.39 %
400-35-000-511400	Dental Insurance	4,760.00	4,760.00	395.77	1,583.06	3,176.94	66.74 %
400-35-000-511600	Life Insurance	580.00	580.00	47.34	193.54	386.46	66.63 %
400-35-000-511700	LAGERS Retirement Plan	33,410.00	33,410.00	2,299.34	9,718.73	23,691.27	70.91 %
400-35-000-512605	Employee Incentive Program	600.00	600.00	0.00	315.00	285.00	47.50 %
400-35-000-512700	HRA Deductible	10,500.00	10,500.00	0.00	1,340.09	9,159.91	87.24 %
400-35-000-520250	Administration, Finance & IT Depar	134,360.00	134,360.00	0.00	20,130.00	114,230.00	85.02 %
400-35-000-520300	Technical Services	33,920.00	33,920.00	880.28	5,705.08	28,214.92	83.18 %
400-35-000-520400	Other Contracted Services	157,450.00	157,450.00	4,601.46	17,718.00	139,732.00	88.75 %
400-35-000-521540	Uniform Cleaning Service	1,700.00	1,700.00	64.46	483.45	1,216.55	71.56 %
400-35-000-521560	Building Repair & Maintenance	22,500.00	22,500.00	135.08	801.60	21,698.40	96.44 %
400-35-000-521620	Equipment Repair & Maintenance	13,880.00	13,880.00	781.12	2,100.58	11,779.42	84.87 %
400-35-000-521630	Vehicle Repair & Maintenance	12,000.00	12,000.00	140.00	1,060.75	10,939.25	91.16 %
400-35-000-521635	Water System Repair & Maintenanc	7,000.00	7,000.00	0.00	0.00	7,000.00	100.00 %
400-35-000-521636	Well Pump Repair & Maintenance	27,700.00	27,700.00	0.00	2,250.00	25,450.00	91.88 %
400-35-000-521640	Equipment Rental	2,300.00	2,300.00	6.16	80.48	2,219.52	96.50 %
400-35-000-522100	Advertising	600.00	600.00	0.00	306.00	294.00	49.00 %
400-35-000-522200	Property, Liability & Casualty Insura	42,100.00	42,100.00	0.00	5,521.38	36,578.62	86.89 %
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	1,600.00	1,600.00	0.00	925.00	675.00	42.19 %
400-35-000-522400	Telephone	4,000.00	4,000.00	350.98	1,537.13	2,462.87	61.57 %
400-35-000-522500	Training/Seminars	2,000.00	2,000.00	0.00	400.00	1,600.00	80.00 %
400-35-000-522600	Travel	2,500.00	2,500.00	0.00	841.60	1,658.40	66.34 %
400-35-000-522700	Professional Dues & Memberships	3,900.00	3,900.00	1,750.00	1,977.00	1,923.00	49.31 %
400-35-000-522900	Postage	11,000.00	11,000.00	900.00	3,720.00	7,280.00	66.18 %
400-35-000-522950	Credit Card Fees	14,000.00	14,000.00	1,717.92	6,803.33	7,196.67	51.40 %
400-35-000-530410	Parts-Vehicle	14,200.00	14,200.00	214.75	1,013.63	13,186.37	92.86 %
400-35-000-530415	Parts-Equipment	8,000.00	8,000.00	600.34	2,906.75	5,093.25	63.67 %
400-35-000-530420	Office Supplies	1,000.00	1,000.00	0.00	123.01	876.99	87.70 %
400-35-000-530500	Asphalt/Rock/Cement	30,000.00	30,000.00	705.44	4,471.19	25,528.81	85.10 %
400-35-000-530600	Straw/Seeding/Plants	500.00	500.00	0.00	101.00	399.00	79.80 %
400-35-000-530700	Uniforms & Clothing	3,200.00	3,200.00	128.85	770.38	2,429.62	75.93 %
400-35-000-530800	General Supplies	3,000.00	3,000.00	149.59	2,021.67	978.33	32.61 %

Budget Report

For Fiscal: 2021-2022 Period Ending: 01/31/2022

		Original Total Budget	Current Total Budget	Period Activity	Fiscal Activity	Variance Favorable (Unfavorable)	Percent Remaining
400-35-000-531110	Electricity	180,000.00	180,000.00	11,180.92	56,912.12	123,087.88	68.38 %
400-35-000-531120	Heating Fuel	2,500.00	2,500.00	716.49	1,377.51	1,122.49	44.90 %
400-35-000-531300	Gasoline & Oil	12,500.00	12,500.00	93.75	1,349.65	11,150.35	89.20 %
400-35-000-532100	Meters & Hydrants	67,370.00	67,370.00	0.00	11,890.35	55,479.65	82.35 %
400-35-000-532200	Pipe & Fittings	34,000.00	34,000.00	71.56	10,919.08	23,080.92	67.89 %
400-35-000-533100	Chemicals	15,000.00	15,000.00	931.66	5,427.85	9,572.15	63.81 %
400-35-000-533300	Janitorial Supplies	200.00	200.00	28.27	87.00	113.00	56.50 %
400-35-000-534100	Depreciation Expense	420,000.00	420,000.00	0.00	0.00	420,000.00	100.00 %
400-35-000-534200	SmallTools/Equipment/Furnishings	50,585.00	50,585.00	4,241.47	12,801.51	37,783.49	74.69 %
400-35-000-541100	Improvements Other Than Building	1,208,000.00	1,333,000.00	0.00	286,705.00	1,046,295.00	78.49 %
400-35-000-541110	Water System Improvements	125,000.00	158,375.00	0.00	0.00	158,375.00	100.00 %
400-35-000-542100	Vehicles	16,000.00	45,000.00	28,798.00	28,798.00	16,202.00	36.00 %
400-35-000-542200	Machinery & Equipment	145,000.00	150,000.00	0.00	0.00	150,000.00	100.00 %
400-35-000-559110	Interest Expense	135,100.00	135,100.00	0.00	0.00	135,100.00	100.00 %
400-35-000-559140	Amortization Bond Issuance Costs	-21,485.00	-21,485.00	0.00	0.00	-21,485.00	100.00 %
400-35-000-559200	Bond/Note Principal	230,300.00	230,300.00	0.00	0.00	230,300.00	100.00 %
	Expense Total:	3,834,650.00	4,027,025.00	103,877.70	689,717.04	3,337,307.96	82.87%
	Fund: 400 - WATER FUND Surplus (Deficit):	-1,857,685.00	-2,050,060.00	43,819.59	-33,383.65	2,016,676.35	98.37%

Fund: 410 - SEWAGE TREATMENT FUND

Revenue

410-36-000-418500	Sanitary Sewer District	30,000.00	30,000.00	9,092.06	18,193.70	-11,806.30	39.35 %
410-36-000-450600	Penalties/Interest Charges	30,000.00	30,000.00	2,755.83	10,812.88	-19,187.12	63.96 %
410-36-000-454100	Sewer Service Charges	2,500,000.00	2,500,000.00	200,952.33	815,358.06	-1,684,641.94	67.39 %
410-36-000-454125	Surcharge Fees	15,000.00	15,000.00	4,383.31	5,918.24	-9,081.76	60.55 %
410-36-000-454150	Leachate Disposal Charge	45,000.00	45,000.00	1,530.00	6,120.00	-38,880.00	86.40 %
410-36-000-454200	Sewer Connection Charges	50,000.00	50,000.00	9,455.00	38,139.00	-11,861.00	23.72 %
410-36-000-480000	Investment Income	5,000.00	5,000.00	0.00	0.00	-5,000.00	100.00 %
410-36-000-480200	Investment Income.-Bond Acct.	275,000.00	275,000.00	0.00	15.79	-274,984.21	99.99 %
	Revenue Total:	2,950,000.00	2,950,000.00	228,168.53	894,557.67	-2,055,442.33	69.68%

Expense

410-36-000-510100	Salaries/Wages-Regular	185,700.00	185,700.00	11,891.23	52,791.05	132,908.95	71.57 %
410-36-000-510200	Wages-PartTime/Permanent	5,670.00	5,670.00	0.00	0.00	5,670.00	100.00 %
410-36-000-510300	Salaries/Wages-Overtime	4,120.00	4,120.00	144.23	1,282.47	2,837.53	68.87 %
410-36-000-511100	FICA Taxes	14,870.00	14,870.00	865.41	3,919.66	10,950.34	73.64 %
410-36-000-511300	Health Insurance	39,020.00	39,020.00	2,611.44	10,150.65	28,869.35	73.99 %
410-36-000-511400	Dental Insurance	2,040.00	2,040.00	164.06	628.54	1,411.46	69.19 %
410-36-000-511600	Life Insurance	270.00	270.00	17.58	66.14	203.86	75.50 %
410-36-000-511700	LAGERS Retirement Plan	13,630.00	13,630.00	842.51	3,701.86	9,928.14	72.84 %
410-36-000-512605	Employee Incentive Program	200.00	200.00	0.00	70.00	130.00	65.00 %
410-36-000-512700	HRA Deductible	3,750.00	3,750.00	0.00	0.00	3,750.00	100.00 %
410-36-000-520250	Administration, Finance & IT Depar	67,005.00	67,005.00	0.00	10,738.34	56,266.66	83.97 %
410-36-000-520300	Technical Services	10,000.00	10,000.00	610.28	2,441.08	7,558.92	75.59 %
410-36-000-520400	Other Contracted Services	14,500.00	14,500.00	11,948.00	13,167.22	1,332.78	9.19 %
410-36-000-521540	Uniform Cleaning Service	1,000.00	1,000.00	29.04	164.56	835.44	83.54 %
410-36-000-521560	Building Repair & Maintenance	500.00	500.00	0.00	0.00	500.00	100.00 %
410-36-000-521620	Equipment Repair & Maintenance	36,680.00	36,680.00	698.58	2,990.64	33,689.36	91.85 %
410-36-000-521630	Vehicle Repair & Maintenance	2,000.00	2,000.00	0.00	845.37	1,154.63	57.73 %
410-36-000-521640	Equipment Rental	1,500.00	1,500.00	6.16	80.48	1,419.52	94.63 %
410-36-000-522100	Advertising	500.00	500.00	0.00	660.00	-160.00	-32.00 %
410-36-000-522200	Property, Liability & Casualty Insura	21,100.00	21,100.00	0.00	2,768.38	18,331.62	86.88 %
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	800.00	800.00	0.00	462.50	337.50	42.19 %
410-36-000-522400	Telephone	3,500.00	3,500.00	152.55	614.15	2,885.85	82.45 %
410-36-000-522410	Telephone-Alarm Control	5,000.00	5,000.00	0.00	0.00	5,000.00	100.00 %
410-36-000-522500	Training/Seminars	1,000.00	1,000.00	100.00	1,442.50	-442.50	-44.25 %
410-36-000-522600	Travel	700.00	700.00	0.00	0.00	700.00	100.00 %
410-36-000-522700	Professional Dues & Memberships	500.00	500.00	0.00	0.00	500.00	100.00 %

Budget Report

For Fiscal: 2021-2022 Period Ending: 01/31/2022

		Original	Current	Period	Fiscal	Variance	Percent
		Total Budget	Total Budget	Activity	Activity	(Unfavorable)	Remaining
410-36-000-522900	Postage	6,000.00	6,000.00	450.00	1,860.00	4,140.00	69.00 %
410-36-000-522950	Credit Card Fees	20,000.00	20,000.00	1,717.92	6,803.31	13,196.69	65.98 %
410-36-000-530200	Lab Supplies	2,350.00	2,350.00	0.00	0.00	2,350.00	100.00 %
410-36-000-530410	Parts-Vehicle	5,300.00	5,300.00	7.28	205.77	5,094.23	96.12 %
410-36-000-530415	Parts-Equipment	15,000.00	15,000.00	20.17	20.17	14,979.83	99.87 %
410-36-000-530420	Office Supplies	500.00	500.00	0.00	115.86	384.14	76.83 %
410-36-000-530500	Asphalt/Rock/Cement	25,000.00	25,000.00	0.00	1,433.30	23,566.70	94.27 %
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	42.95	175.78	824.22	82.42 %
410-36-000-530800	General Supplies	1,500.00	1,500.00	14.22	307.24	1,192.76	79.52 %
410-36-000-531110	Electricity	41,000.00	41,000.00	4,273.17	15,153.26	25,846.74	63.04 %
410-36-000-531120	Heating Fuel	2,500.00	2,500.00	716.48	1,377.49	1,122.51	44.90 %
410-36-000-531300	Gasoline & Oil	8,000.00	8,000.00	0.00	584.30	7,415.70	92.70 %
410-36-000-532200	Pipe & Fittings	7,000.00	7,000.00	1,088.02	1,088.02	5,911.98	84.46 %
410-36-000-532270	Manhole Replacement Program	10,000.00	10,000.00	2,556.84	6,016.76	3,983.24	39.83 %
410-36-000-533100	Chemicals	2,200.00	2,200.00	0.00	0.00	2,200.00	100.00 %
410-36-000-533300	Janitorial Supplies	400.00	400.00	28.27	87.00	313.00	78.25 %
410-36-000-534100	Depreciation Expense	255,000.00	255,000.00	0.00	0.00	255,000.00	100.00 %
410-36-000-534200	SmallTools/Equipment/Furnishings	23,475.00	23,475.00	12.93	1,109.32	22,365.68	95.27 %
410-36-000-541100	Improvements Other Than Building	250,000.00	425,000.00	17,113.40	208,665.46	216,334.54	50.90 %
410-36-000-541120	Sanitary Sewer System Improve	200,000.00	450,000.00	0.00	0.00	450,000.00	100.00 %
410-36-000-542100	Vehicles	16,000.00	16,000.00	0.00	0.00	16,000.00	100.00 %
410-36-000-542200	Machinery & Equipment	65,285.00	65,285.00	0.00	41,605.00	23,680.00	36.27 %
410-36-000-559200	Bond/Note Principal	1,030,000.00	1,030,000.00	0.00	0.00	1,030,000.00	100.00 %
410-36-361-510100	Salaries/Wages-Regular	259,980.00	259,980.00	19,410.92	81,539.26	178,440.74	68.64 %
410-36-361-510300	Salaries/Wages-Overtime	4,120.00	4,120.00	937.15	2,620.97	1,499.03	36.38 %
410-36-361-511100	FICA Taxes	19,800.00	19,800.00	1,484.62	6,155.78	13,644.22	68.91 %
410-36-361-511300	Health Insurance	51,950.00	51,950.00	3,985.28	16,313.68	35,636.32	68.60 %
410-36-361-511400	Dental Insurance	2,720.00	2,720.00	204.04	816.16	1,903.84	69.99 %
410-36-361-511600	Life Insurance	370.00	370.00	30.41	121.64	248.36	67.12 %
410-36-361-511700	LAGERS Retirement Plan	18,140.00	18,140.00	1,424.32	5,891.04	12,248.96	67.52 %
410-36-361-512605	Employee Incentive Program	400.00	400.00	0.00	140.00	260.00	65.00 %
410-36-361-512700	HRA Deductible	4,500.00	4,500.00	0.00	437.00	4,063.00	90.29 %
410-36-361-520250	Administration, Finance & IT Depar	67,005.00	67,005.00	0.00	10,738.34	56,266.66	83.97 %
410-36-361-520300	Technical Services	15,000.00	15,000.00	325.03	3,436.15	11,563.85	77.09 %
410-36-361-520400	Other Contracted Services	31,810.00	31,810.00	71.67	1,376.04	30,433.96	95.67 %
410-36-361-521540	Uniform Cleaning Service	1,500.00	1,500.00	58.08	309.76	1,190.24	79.35 %
410-36-361-521560	Building Repair & Maintenance	1,500.00	1,500.00	0.00	93.48	1,406.52	93.77 %
410-36-361-521620	Equipment Repair & Maintenance	113,080.00	113,080.00	189.37	1,700.67	111,379.33	98.50 %
410-36-361-521630	Vehicle Repair & Maintenance	6,000.00	6,000.00	0.00	42.80	5,957.20	99.29 %
410-36-361-521640	Equipment Rental	600.00	600.00	0.00	0.00	600.00	100.00 %
410-36-361-522200	Property, Liability & Casualty Insura	25,800.00	25,800.00	0.00	3,438.92	22,361.08	86.67 %
410-36-361-522210	Self-Insurance Deductible	500.00	500.00	0.00	0.00	500.00	100.00 %
410-36-361-522300	Printing/Duplicating	1,050.00	1,050.00	0.00	462.50	587.50	55.95 %
410-36-361-522400	Telephone	8,000.00	8,000.00	245.49	988.50	7,011.50	87.64 %
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	45.32	454.68	90.94 %
410-36-361-522700	Professional Dues & Memberships	200.00	200.00	0.00	0.00	200.00	100.00 %
410-36-361-522900	Postage	5,000.00	5,000.00	450.00	1,872.14	3,127.86	62.56 %
410-36-361-530200	Lab Supplies	19,000.00	19,000.00	0.00	644.12	18,355.88	96.61 %
410-36-361-530410	Parts-Vehicle	1,500.00	1,500.00	0.00	337.43	1,162.57	77.50 %
410-36-361-530415	Parts-Equipment	82,500.00	82,500.00	0.00	666.65	81,833.35	99.19 %
410-36-361-530420	Office Supplies	200.00	200.00	0.00	0.00	200.00	100.00 %
410-36-361-530500	Asphalt/Rock/Cement	20,000.00	20,000.00	0.00	0.00	20,000.00	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	600.00	600.00	0.00	9.49	590.51	98.42 %
410-36-361-530800	General Supplies	2,000.00	2,000.00	8.99	564.42	1,435.58	71.78 %
410-36-361-531110	Electricity	190,000.00	190,000.00	13,821.57	57,824.64	132,175.36	69.57 %

Budget Report

For Fiscal: 2021-2022 Period Ending: 01/31/2022

		Original	Current	Period	Fiscal	Variance	Percent
		Total Budget	Total Budget	Activity	Activity	Favorable	Remaining
						(Unfavorable)	
410-36-361-531120	Heating Fuel	17,000.00	17,000.00	3,103.87	8,608.77	8,391.23	49.36 %
410-36-361-531300	Gasoline & Oil	3,500.00	3,500.00	13.99	2,141.49	1,358.51	38.81 %
410-36-361-532200	Pipe & Fittings	1,500.00	1,500.00	0.00	5.69	1,494.31	99.62 %
410-36-361-533100	Chemicals	22,300.00	22,300.00	0.00	2,848.50	19,451.50	87.23 %
410-36-361-534100	Depreciation Expense	925,000.00	925,000.00	0.00	0.00	925,000.00	100.00 %
410-36-361-534200	Small Tools/Equipment/Furnishings	13,425.00	13,425.00	0.00	170.91	13,254.09	98.73 %
410-36-361-541100	Improvements other than Buildings	150,000.00	150,000.00	0.00	0.00	150,000.00	100.00 %
410-36-361-542200	Machinery & Equipment	267,000.00	267,000.00	37,989.12	37,989.12	229,010.88	85.77 %
410-36-361-542300	Furniture & Fixtures	30,000.00	30,000.00	0.00	13,496.35	16,503.65	55.01 %
410-36-361-559110	Interest Expense	417,100.00	417,100.00	0.00	0.00	417,100.00	100.00 %
410-36-361-559120	Agent Fees	55,000.00	55,000.00	0.00	0.00	55,000.00	100.00 %
410-36-361-559130	Amortization of Bond Discount/Pre	-20,780.00	-20,780.00	0.00	0.00	-20,780.00	100.00 %
	Expense Total:	5,261,535.00	5,686,535.00	141,876.64	659,441.36	5,027,093.64	88.40%
	Fund: 410 - SEWAGE TREATMENT FUND Surplus (Deficit):	-2,311,535.00	-2,736,535.00	86,291.89	235,116.31	2,971,651.31	108.59%
	Report Surplus (Deficit):	-4,169,220.00	-4,786,595.00	130,111.48	201,732.66	4,988,327.66	104.21%

Group Summary

Account Type	Original Total Budget	Current Total Budget	Period Activity	Fiscal Activity	Variance Favorable (Unfavorable)	Percent Remaining
Fund: 400 - WATER FUND						
Revenue	1,976,965.00	1,976,965.00	147,697.29	656,333.39	-1,320,631.61	66.80%
Expense	3,834,650.00	4,027,025.00	103,877.70	689,717.04	3,337,307.96	82.87%
Fund: 400 - WATER FUND Surplus (Deficit):	-1,857,685.00	-2,050,060.00	43,819.59	-33,383.65	2,016,676.35	98.37%
Fund: 410 - SEWAGE TREATMENT FUND						
Revenue	2,950,000.00	2,950,000.00	228,168.53	894,557.67	-2,055,442.33	69.68%
Expense	5,261,535.00	5,686,535.00	141,876.64	659,441.36	5,027,093.64	88.40%
Fund: 410 - SEWAGE TREATMENT FUND Surplus (Deficit):	-2,311,535.00	-2,736,535.00	86,291.89	235,116.31	2,971,651.31	108.59%
Report Surplus (Deficit):	-4,169,220.00	-4,786,595.00	130,111.48	201,732.66	4,988,327.66	104.21%

Fund Summary

Fund	Original Total Budget	Current Total Budget	Period Activity	Fiscal Activity	Variance Favorable (Unfavorable)
400 - WATER FUND	-1,857,685.00	-2,050,060.00	43,819.59	-33,383.65	2,016,676.35
410 - SEWAGE TREATMENT FUND	-2,311,535.00	-2,736,535.00	86,291.89	235,116.31	2,971,651.31
Report Surplus (Deficit):	-4,169,220.00	-4,786,595.00	130,111.48	201,732.66	4,988,327.66

Memorandum

TO: Darren Lamb, City Administrator
Board of Public Works

FROM: Kevin Quaethem, Water and Wastewater Superintendent

DATE: February 18, 2021

RE: Work Performed by the Water and Wastewater Departments

STATUS OF MAJOR CONTRACTS – DECEMBER 2021

PROJECT	VENDOR	CONTRACT AMOUNT	PREVIOUSLY APPROVED	CURRENTLY APPROVED	BALANCE
Enduro & Clay St Water Storage Tanks	Cochran Eng.	\$ 54,000.00	\$1,260.46	\$13,200.00	\$ 20,502.24
Sanitary Manhole Coating	Midwest Infrastructure Coatings, LLC	\$46,345.00	\$17,113.40		\$29,231.60
Interior & Exterior Recoating – Clay St & Enduro Tanks	Worldwide Industries Corp	\$593,500.00	\$319,995.00	-0-	\$273,505.00
Sliplining	Insituform Technologies USA, LLC	\$544,939.20	\$49,666.76	\$191,552.06	\$303,720.38

JANUARY 2022

Water Pumped January 2022..... 69,385,780 2.24 mgd

Wastewater Effluent Flow January 2022.....61,250,000 1.98 mgd

Missouri One Call Locate messages received January 2022..... 195

Meters Issued as new..... 9

Meters Replaced 0

Meters Issued as new for irrigation systems 0

Service Requests/Meter Appts./Work Orders Completed January 2022.....24

Sewer Routines69

Delinquent Accounts actually shut off in January 2022.....7

WATER DEPARTMENT FIELD WORK PERFORMED – JANUARY 2022

- | | |
|---|--|
| <ol style="list-style-type: none"> 1. Shop Maintenance 2. Meter/Swapping/Repair 3. Repair/Replace Hydrants 4. Check Wells/Lift Stations/Heaters 5. Missouri One Call Locates 6. Hydrant Flushing 7. Maintenance on Wells 8. Water Break @ Hancock & 6th St. 9. Water Break on Main & Market | <ol style="list-style-type: none"> 10. Water Break @ 305 MacArthur 11. Water Leak @ 5th & Washington 12. Water Leak @ Hillcrest Apartments 13. Emergency Call Out @ Third (Water Backup) 14. Pour Concrete @ Main/Market 15. Repaired Heater in Wells 16. Snow Removal |
|---|--|

WASTEWATER DEPARTMENT FIELD WORK PERFORMED – JANUARY 2022

1. Sewer Routines
2. Daily lab work and routines.
3. Cleaned Belt Press
4. Clean Process Filters
5. Run Belt Press
6. Broken Sewer Main Olive & Horn
7. Repaired Valve @ Old Plant
8. Sewer Call @ 1712 E 6th
9. Installed new Manhole @ 2nd St.
10. Manhole Installed @ Frank & Horn
11. New 6" Sewer Line Horn & Mclean
12. Worked on UV Lamps @ TP

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. Flushed hydrants – scheduled routine flushing.
7. Wastewater lab work.
8. Root-sawed and/or cleaned sewer lines where necessary.
9. Hauled sludge.
10. Televised sewer lines.
11. Performed river gauge measurement.
12. Performed sewer and water service main inspections.
13. Located water and sewer lines.
14. Monitored construction of water and sewer mains in new developments.
15. Responded to service call requests.
16. Invoiced for meters, materials and other charges as necessary.
17. 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 405 Jefferson Street				Franklin County Lab			
City Washington		Zip Code 63090		7419 Hwy 47 Ste. A Union, MO			
County Franklin		I.D. Number MO6010838		Certification Number 00700			
Date M/D/Y	Collection Point	Sample Type	Location Code	Sample Results		Chlorine Residual	
				Coliform	E-coli	Total	Free
1/4/22	4 Chamber	R	R-3	A	A	0.27	0.24
1/4/22	2556 King Crest Ct	R	R-7	A	A	1.08	1.02
1/4/22	1220 Lakeshore Dr	R	R-1	A	A	1.03	1.00
1/4/22	904 E 2nd St	R	R-13	A	A	0.39	0.34
1/4/22	1 Nickridge Dr	R	R-15	A	A	0.89	0.84
1.12.22	4 Chamber	R	R-3	A	A	0.78	0.90
1.12.22	550 E 14th St	R	R-5	A	A	0.46	0.64
1.12.22	2556 King Crest Ct	R	R-7	A	A	0.41	0.60
1.12.22	1651 W 5th St	R	R-16	A	A	0.55	0.62
1.12.22	1901 W Main	R	R-17	A	A	0.55	0.46
1.18.22	1220 Lakeshore Dr	R	R-1	A	A	0.58	0.61
1.18.23	515 Washington Ave	R	R-2	A	A	0.82	0.88
1.18.24	405 Jefferson	R	R-4	A	A	0.57	0.51
1.18.25	200 E 14th Street	R	R-8	A	A	0.55	0.66
1.18.26	4 Chamber	R	R-3	A	A	0.80	0.75
Total Routine Samples: 15				Signed: Kristen Wideman Date: 1/27/2022			
Monitoring Violation ___ Yes ___X___ No				Title: Lab Assistant			