



MAGNA WATER DISTRICT AGENDA

FOR THE

REGULAR BOARD MEETING

AT 1:00 PM

FRIDAY SEPTEMBER 9, 2022

8885 W 3500 S, MAGNA, UT 84044

GENERAL OFFICE BUILDING

(801)250-2118

Fax(801)250-1452

SEPTEMBER 9, 2022
REGULAR BOARD MEETING AGENDA
MAGNA WATER DISTRICT

MEETING DATE: September 9, 2022, at 1:00 pm
LOCATION: 8885 W 3500 S, MAGNA, UT, GENERAL OFFICE BUILDING

A. Call to Order

B. Public, Board and Staff join in the Pledge of Allegiance

C. Welcome the Public and Guests

D. Public Comment

Written requests that are received – Please do not take over three minutes due to time restraints for other individuals and the Board.

E. Inquire of any conflicts of interests that need to be disclosed to the Board

F. Approval of common consent items

1. Minutes of the regular board meeting held August 11, 2022
2. Expenses for August 8 – September 4, 2022:
General Expenses: \$1,559,867.71
Zions Bank bond payments: \$83,282.19

G. Department Reports:

1. General Manager Report

2. Engineering Report

3. Water Operations Report (including water production and call out report)
 - Yard training course/concept layout
 - EDR Electrical Room

4. Wastewater Operations Report (including status and call out report)

H. Water & Sewer Availability

Discussion and possible motion to approve the following developments:

- Flangas Townhomes PUD located at 2943 S Dora Street
- Seal Master located at 6778 W SR-201 North Frontage Road

I. Project Awards & Agreements

Discussion and possible motion to approve the following project awards and agreements:

- Adding two additional vehicles to the District's fleet vehicle lease for a lease purchase price of \$104,226
- Epic Engineering task orders 2022-8 for Design and Bidding Services on the Zone 3 Secondary Water Reservoir project in the amount of \$141,700
- IGES task orders S-22-026 for Geotechnical Services on the Zone 3 Secondary Water Reservoir project in the amount of \$23,000
- Approve design and installation of material storage structure by ClearSpan Fabric Structures in the amount of \$60,768
- Approve amendment to Hansen, Allen & Luce task order 023.17.100 for Well Evaluation and Rehabilitation Services in the amount of \$20,000
- Approve amendment to Bowen Collins & Associates task order 21.1 for Water Reuse Facility Project in the amount of \$85,901
- Approve Change Order #1 for the Haynes Well 2R Cleaning Project. Increasing contract price by \$4,550
- Fencing for Zone 3 Secondary water reservoir in the amount of \$67,995

J. Administrative

Discussion and possible motion to approve the following administrative items:

- Next scheduled regular board meeting, October 20, 2022 (this is the third Thursday of October) – Adopt a Tentative Budget

K. Training & Safety

Discussion and possible motion to approve the following training & Safety items:

- UASD Annual Convention, November 2 – 4, 2022, Davis Conference

Center, Layton, UT

- Scheduled December 1, 2022, to hold in house Trustee training, presented by UASD, if Trustees do not make it to the UASD Conference

- L. Motion to meet immediately in closed session to discuss the character, professional competence, or physical or mental health of an individual, pending or reasonably imminent litigation, and the purchase, exchange, or lease of real property, including any form of a water right or water shares pursuant to Utah Code Ann. §§ 52-4-204 through 205.**
- M. Motion to close the closed meeting and re-open the public board meeting.**
- N. Consider action on any noticed agenda item discussed in closed meeting.**
- O. Adjourn**

MEETING MINUTES

**MINUTES OF THE
REGULAR MEETING
OF THE BOARD OF TRUSTEES OF
MAGNA WATER DISTRICT**

A regular meeting of the Board of Trustees of the Magna Water District was held Thursday, August 11, 2022, at 10:00 a.m., at the Magna Water District General Office, Kim Bailey Board Room, located at 8885 West 3500 South, Magna, UT.

Call to Order: Mick Sudbury called the meeting to order at 10:00 am.

Trustees Present:

Mick Sudbury, Chairman
Jeff White
Dan Stewart

Staff Present:

Clint Dille, General Manager
LeIsle Fitzgerald, District Controller
Trevor Andra, District Engineer
Raymond Mondragon, Water Operations Manager
Dallas Henline, Wastewater Operations Manager
Travis Rawson, Service Maintenance – Meter Crew
Jon Davis, Service Maintenance – Meter Crew

Also Present:

Nathan Bracken, Smith Hartvigsen PLLC
Don Olson, Epic Engineering
Jason Luettinger, Bowen Collins Associates
Joel Workman, AQS Consulting
Todd Richards, Planning & Zoning

Public, Board, Staff joined in the Pledge of Allegiance.

Welcome the Public and Guests: Chairman welcomed those in attendance.

Public Comment: None.

Chairman asked if any of the staff or board members had a conflict of interest with anything on this agenda. There were no conflicts of interest.

Approval of Common Consent Items:

Minutes of the regular board meeting held July 14, 2022

Expenses for July 7 to August 7, 2022:

General Expenses: \$654,487.81

Zions Bank bond payments: \$83,282.19

A motion was made by Jeff White, seconded by Dan Stewart, to approve the minutes of the regular board meeting held July 14, 2022. The motion was approved as follows: Mick Sudbury, yea, Dan Stewart, yea, Jeff White, yea.

A motion was made by Jeff White, seconded by Dan Stewart to approve the general expenses, and the Zions Bank bond payment from July 7 to August 7, 2022, in the amount of \$654,487.81 and \$83,282.19, respectively. The motion was approved as follows: Mick Sudbury, yea, Jeff White, yea and Dan Stewart, yea.

DEPARTMENT REPORTS

General Manager Report:

STAFFING:

Clint asked the Board for their input and opinion in hiring an additional meter crew person. The crew's workload has increased tremendously in the last 25 years. The workload has increased due to new development, the annual meter repair and replacement program, increase in customer leak checks, conservation education, water pressure checks, and increased customer inquiries. After further discussion with involved staff, having an additional meter crew position would help with the workload and also allow enhancement to the District's customer notification processes.

Clint asked Travis Rawson and Jon Davis, the service maintenance customer service meter crew to share their thoughts. Travis indicated the workload is overwhelming, they are doing all they can to keep up with meter sets and service orders generated by office personnel, which are created to address any customer's needs. They cannot keep up with what is currently demanded.

Clint added the District's annual meter replacement program pays off several fold in accuracy and increased revenue. Jon Davis indicated Meterworks currently replaces all the 5/8" normal residential culinary water meters where staff changes out the larger sized commercial meters, such as churches, schools, parks, and other commercial connections. Staff has pushed hard to get the oldest meters changed out in the last couple of years. The larger the meter and the older the meter gets, the less accurate the meter is. Statistics show a large meter older than 10 years loses its accuracy by nearly 50% or more. Jon shared the example of changing out a large meter at a school. The meter was very old having been in the system since 2003, after the meter was replaced with a new meter, the revenue increased by 4 times the amount, due to the fact the new meter was measuring accurately, where the old meter had lost its accuracy. It helps the District to continue with the meter replacement program.

Clint shared with the Board the duties the third crew member could be assigned. The responsibilities would essentially be the same, however be more focused on customer service related to the customer's meter, such as, leak checks, pressure checks, water quality issues, notifying customers if they need to contact our office, new meter sets and coordinating with contractors. The District's customer notification procedure could be enhanced. This position could take on duties to evaluate meter reporting and responding to the data accordingly assisting the Controller and Accountant. They could also assist and enhance and improve the meter inventory.

The Board expressed their approval and felt that adding another position on the service maintenance customer service meter crew would be very beneficial. The Board expressed their support in proceeding in this manner. Staff will review, revise, and bring to the Board the job description. Mick asked if Clint could poll each individual Board member to get their opinion and approval of the changes to the job description and get approval to move forward. The Attorney indicated this would be fine.

Clint discussed the Human Resources Manager position and the developments on that position. The position was posted in house with no responses. Clint was contacted by a hiring consultant, Emily Rushton, Hire Integrated. Clint and LeIsle spoke with Emily yesterday. She had a lot of insight with hiring a HR Manager. If the District formally engages in their services, a fee of 25% of the annual wage of the position would be the cost. The recruiter consultant would assist the District in the initial screening, background checks, and would reach out to possible applicants.

Clint felt the District has two options to go about posting the position outside, and timing would be the deciding factor. The first option taking more time of the two options, would be for the District to proceed itself as usual and post the position to see what kind of response is received. The second option, the quicker option of the two, would be to go ahead and proceed with Hire Integrated. Once procurement of their services, even if an applicant comes directly to the District, the District is obligated to send them to Hire Integrated.

If proceeding with the first option, Mick asked if Clint and LeIsle knew enough about HR to hire someone who is qualified? Clint and LeIsle said “no.” Mick also noted that Clint and LeIsle have other responsibilities that this hiring process would impact and expressed the need for the expertise in finding a HR Manager.

Clint noted that Emily can include a specific target in looking for a candidate. Jeff noted it would be a benefit to have an independent person do the vetting to ensure the quality of the hire. Clint noted their service is guaranteed, if the winning candidate didn't work out within 90 days, they would find another person at no additional charge. Emily did say that there is a lot of interest in HR Manager positions, so it won't be hard to find people who are interested with the desired qualifications. Mick stressed the need to get someone with Union experience. Jeff asked if Hire Integrated would consider changing their guarantee to 180 days to align with the District's probationary period. Clint indicated he would ask if the guarantee period could be changed.

Nathan indicated this procurement would be under the procurement policy as a small purchase. Clint has a copy of the agreement from Hire Integrated and he will send it to the Attorney for review, after which it will need to be signed once the terms are agreed upon. Clint didn't see any initial concerns. A motion was made by Jeff White, seconded by Dan Stewart, to approve Clint to proceed with the procurement process to engage services of a professional recruiter to assist the District in hiring a HR Manager. The motion was approved as follows: Jeff White, yea, Dan Stewart, yea and Mick Sudbury, yea.

Clint turned some time over to Trevor to discuss the status of a staff engineer position. Trevor indicated the draft of the staff engineer job description, included in their trustee packet, was generated based on similar positions from cities, consultants, etc. Trevor added it would be classified as an Engineer 1 position with one to two years of experience, not possessing a PE, but also could progress to Engineer 2 or 3.

Mick indicated that he is struggling with this proposal; namely, what is the cost of hiring a staff person with benefits vs. contracting with someone like Epic? We know that interest rates will increase, and the housing market may slow down. Mick wants to weigh the costs of hiring our own employee vs. contracting out.

Clint said the thought process and reasoning in hiring a staff engineer, is by doing so would allow Trevor to use his skill sets and abilities in other areas that will really benefit the District's operations (modeling and operations, for instance). If Trevor had time, with his experience and knowledge, it would take our operations to a new level. Clint noted the example with the valve on 8000 West, in which staff had an idea of what the problem was, but Trevor was able to solve the issue more precisely through modeling. Until Trevor was able to get to the modeling, the operators were not able to understand fully what was happening out in the field. A lot of Trevor's responsibilities/demands can be done by someone with a lower skill set. Trevor is also our GIS point of contact and there are opportunities to use Trevor's GIS skills elsewhere. Trevor's workload could be reduced by someone that doesn't have to have a lot of experience and technical background. Clint noted that they could contract this work out, but the best approach seems to be to have a staff person who can train under the senior staff (e.g., someone training under the Controller). The staff engineer could train under Trevor and then eventually transition to District Engineer. Jeff noted that it is like an apprentice, meaning that this hire would be a first-level engineer who would require training and experience. Trevor explained that this work would be tasks like drafting letters, initial red-lines, correspondence, tracking project progress, etc., and training for the Engineer position, with a lot of supervision. Clint indicated if there was down time experienced, there's no reason the District Engineer couldn't start designing our own small projects in house if we had AutoCAD. Clint reminded the Board that this is a position for next year. Mick wants to see what the costs look like. Clint and Trevor will provide cost estimates for the next Board meeting. Danny agreed.

Jason with Bowen and Collins added, contracting out the services of an Engineering 1 consultant, just for 10-15 hours per week would cost as much as an in-house employee.

Clint expressed he doesn't see a reduction of consultant services. It's more about moving to the next level of operation. Mick said he doesn't want to get to a point where they don't have enough work for all employees, nor to get top heavy. Trevor added the position doesn't have to be brought on now, it was projected for 2023. This will allow the District more time to evaluate the workload and how development is progressing and continue the discussion. Jeff noted, however, that this position could work with all management to gain experience working with Trevor, Raymond, and Dallas. Trevor added there is potential work to assist with the District Inspector, GPS'ing, or potentially some low-level inspections.

OPERATIONS:

Clint reported Staff is working on a concept plan for a training area for staff which will allow employees to practice installing and repairing pipe. The plan would be to use the property behind the shop, all the District's equipment in the shop would be used. They would put in different piping with saddles, setters, other valves, fire hydrants, basically mock utilities. To enhance training of digging and skill sharpening. The idea would be to have staff install the training utilities, at the same time training by that. The training schedule and those responsible for the training would be a formalized rotation among the leadman, and a rotated schedule among new employees to get the training.

Clint presented a video on the Reuse Open House to get input before releasing it. The Board liked the video and approved its release. Clint asked how they would like to release it (website, Facebook, run it on the lobby TV, etc.). Mick commented the District received a lot of good feedback from the public, they were happy about it. If there is a community education meeting next year, Mick suggested placing banners out to advertise it. Mick said the staff did a great job of putting the video together as well as the open house.

Clint indicated the Trustees had a question regarding yearly vacation schedule for the District. There are certain times of the year where employees take time off such as hunting season, Christmas and start of summer. Raymond has asked his leadman to provide to him planned vacation calendars, so staff is covered during these times. Mick expressed his feeling of having in January a vacation sheet routed starting with highest seniority to lowest seniority, showing times of planned vacations. Jeff commented everyone has situations come up where time must be taken unplanned. Dallas added in the past the District has had quarterly vacation calendars where staff signs up for their vacation. There are procedures in place already that addresses the vacations, but it is managed quarterly. Clint commented the District has a shared outlook calendar of all absences which can be seen by those that have the calendar. The Board would like to see more formalized procedures/documentation for this practice.

Mick asked about the District's standby policies. When hiring, the job descriptions indicate that standby and callouts will be part of their position. Management has let standby be optional annually. Mick feels that each person should be required to serve on the standby rotation and to be available for call outs. Mick asked the Attorney's opinion on the legal issues with this.

Nathan indicated the job description is not the same as an employment contract. Job descriptions can change, it's more of an employment contract or policies that would apply in this situation. The guiding document would be whatever the employee has signed. (the policies). Clint added, it's just a philosophy that is chosen. A rigid approach could be chosen, no exception approach, which has its value, everyone would know what to expect, however, once you do go rigid, there is always situations that lend to it not being easily forced. Where someone has a personal situation where they can't go on standby, suddenly their circumstances change. The negative impact to moral may not be worth having a rigid approach. If a minimum requirement is met and the District's needs are met, then the rigidity approach is not favored.

Engineering Report:

Basement improvements and concept floor plan: Trevor presented concept plans for the basement. Mick noted the need to have a large meeting table/room where engineers can sit around the table and discuss things (e.g., a table that fit 10 people). Mick noted the District currently doesn't have a conference table. The plans have a 4–6-person table. Jeff asked if it is large enough. Clint said one possibility would be to change the Board meeting room table so that it could be converted into a conference table. Trevor said the thinking with the basement table was for it to be an internal meeting table. Jeff and Mick would like the table in the basement to be larger. Jeff proposed an 8X10 table. Jeff liked the layout.

Trevor explained that the plans contemplate some security improvements, including a safe. The storage area will have a security door with a keypad, which will provide a record of who is accessing the room. Would need to insulate some of the piping and paint it. Board is supportive

of leaving the ceiling open. Board discussed the timeframe. Mick wants to move forward now. Trevor said they would need an architect/engineer to finalize the plans and possibly hire a general contractor. The concept would set the District up for a while, Management will continue with the concept and report back to the board as it progresses. May anticipate a bid in December and construction starting first of 2023.

Haynes well #2 rehabilitation: Trevor informed the Board he received an email from the contractor that indicated this contractor remembers this well 40 years ago. He was not the contractor that constructed the well but remembered having discussions with the contractor that did construct the well. He indicated during that time they developed it the contractor didn't put in many development hours as they should have, and their equipment was not all that great 40 years ago. They expressed the knowledge of this well not being properly developed. Currently the contractor is seeing a lot of sand coming into the well and the gravel pack is going down, they have put in 100's of bags 50-pound bags into this well. The current contractor indicated they are essentially recreating this well. It's already drilled, but they are redeveloping it for the first time. Though the dual swabbing process we've seen it start up at 1000 ppm all the way down to 100 ppm, using the process of dual swabbing down the back up and tracking the sand levels. The contractor has gone through that whole process and is now working at the top of the well, there is a lot of sand, once done with that they will be completely done developing, should be this week. This well will be a better well than it ever has been, it will produce more water and less drawdown, almost like a replacement well.

Dan Stewart asked if the aquifer has leveled down at all or is it about the same as it was in prior years? Trevor answered in this recent year, levels have stayed constant. We are going to get a full history of the drawdowns and track forward for analysis.

Trevor commented the reason he talks about the development of this well is that it comes with a cost because in our bid schedule we did not have these many hours for development. We didn't know it was going to be an initial development of the well. We are tracking these numbers, we have been thinking about the budget all along, and had them stop at certain points when they potentially could have continued, but all through talking with the driller, the engineer, and staff to make that decision, this is developed to a point where we feel good and might be able to ink out a little bit more if we kept going, but let's call it now. We have a bid number for a certain number of development hours, and it is \$450/hour for that and have been tracking the hours. There will be a change order for this job with this increase in development hours.

Lead & Copper Newsletter: Trevor indicated the District has been working with AE2S to do the lead and copper inventory. AE2S is also helping the District produce some literature that can be shared with the public. The first draft of a newsletter is in the trustee packet. This educates the customer on what is the customer's side and what is the District's side, explains to the customer a little bit about the lead and copper inventory and that we are inventorying and will be asking the customers for help, it builds that relationship and understanding knowledge base for the customers. The idea would be to first put this out to them via the website and monthly billing. The draft ties to our Consumer Confidence Report that was available first of July. We would like to do what we can to keep the customer's worries and confusion at a minimum.

Zone 3 Pump Station Project: Trevor indicated this project is moving along well. They have poured the concrete, they have the header set, parts for the project started coming in so this

project is moving well. They are getting close to installing the sampling station throughout the District, then the water line portion of the project is still out a bit, they are discussing when they think it will begin.

Trevor indicated in the wastewater budget, there was two studies planned, one on the BioBrox and one on the settling basin tank, in having discussions about the organics in the ditch and the DO levels and wanting to get additional aeration equipment, it brought to light that the District needs to focus in on the organic capacity of the treatment plant. In 2017 the facility plan covered the hydraulic and organic capacity and was updated in 2019, but the organic numbers being used in the discussions, is from 2014. An update to the facility plan needs to be done to focus on the organic capacity of the treatment plant. Rather than doing the previous two mentioned studies, we would like to use those budget numbers to update our organic capacity update to the facility plan. If the Board agrees, Management will proceed with that. It will assist us in deciding on how to repair our aeration needs. Management will bring back to the Board additional information and a task order to do this study.

Water Operations Report (including water production and call out report):

Water Production Summary: Raymond presented the water production report. The culinary water production for July was 251.5 million gallons or 772.15-acre feet, a 3.31% increase from 2021. Year to date production was 973.7 million gallons or 2988.45-acre feet, a 7.9% decrease from 2021. We have purchased 467.71-acre feet of water from Jordan Valley Water as of July 2022.

Callout Report – Water and Wastewater Combined: Total number of call outs 33 - Total Hours 152.75, 2 mainline breaks, 7 service leak and 24 miscellaneous call outs.

Wastewater Operations Report (including status and call out report): Dallas reported one of the benefits of the leaks, if there is one, is the opportunity to cross train our operators. We have a lot of the operators from the collections crew go to assist the water construction crew repair these leaks. It's giving the newer guys an opportunity to learn from some of the senior operators. Raymond and Dallas are working together to pull from each crew to cross-train and to stay current on leak repairs. Clint noted that the collections crew provided a lot of support, helping with a lot of leaks. They are talking about ways the water crew can help the collections crew. Good coordination between the departments.

Dallas updated the Board on the Clarifier restoration and rebuild; a new motor was installed, and it has been in service for about 72 hours, and it seems to be stabilizing. The last clarifier that needs upgrades has been taken offline as of yesterday and Westech will start that new drive motor and finish off the upgrades next week. Anticipated completion date in 3 – 4 weeks.

Dallas indicated the fuel storage tank is scheduled to be delivered at the end of August, which will increase the length of time the plant can go without power. Now the plant can go for about 15 hours without power, with the additional fuel capacity to be used by generators, they will be able to go an additional 36 hours without power on generators, a total of approximately 50 hours, at least 36 depending on loads on the generators.

Dallas updated the Board on the ATK Discharge Permit Issues, he indicated ATK have had some facility upgrades and process upgrades that have changed the way they discharge to our collections system. They have approached the District with the idea of doing a local limits

study to find out if their wastewater discharge permit could be changed at all to work better with their new process. They have approached the District in the past, and the permit hasn't changed. Their wastewater team are operating under their original permit. They propose the local limit study and have volunteered to pay for the study. Management recommends the District move forward with the study. The study will have direct oversight, a third-party neutral that can do the study to see if there are some changes that can be made to their permit that won't affect the plant's process. Through conversations had with the State of Utah, pretreatment coordinator, says as far as their existing permit, it's stringent and some of the limits that the District is holding them to right now, would be hard to defend if the District aren't willing to make some negotiations. With the District not negotiating these limits in the past, Northrup Grumman has gone to the State with questions. Northrup Grumman is one of our oldest relationships and the District wants to preserve that relationship, we want to protect our wastewater plant with the best interests of the District firsthand but feel the District can agree with having a local limit study and review negotiable findings. Don added to the discussion in the past when Northrup Grumman came to the District to negotiate terms of their permit, they wanted to use dilution as a qualification, but the District did not let them use the dilution concept. The Board wanted to make sure Management kept Don Olson involved with this study and findings. Clint noted that there is not a lot of documentation to support the District's position. We'll need to document our concerns to hold the line.

Dallas addressed questions concerning the maintenance program of the aeration equipment. Staff has operated and maintained the equipment according to the suggested manufacturer's schedule of maintenance program. The equipment is so new, there's not a lot to look for. The only thing they can do is go above and beyond of what the manufacture recommends. They have a check list out of the operation and maintenance manual performing the recommended maintenance daily, monthly, quarterly, and annually. This maintenance is documented and saved. The wastewater team wants to be proactive on this preventative maintenance and are working on right now. Part of the manufacturer's recommendations is to have a mini repair kit on hand and change out 3-8 years.

Dallas wanted to address the question about the original gear box quote from WesTech that was in the Trustee packet from March 2022. The gear box and the drive motor are cast as a single unit. The cost on that was \$59,000. Board felt the plant should have a backup for emergency situations. Dallas is researching this.

Jeff recommended taking oil samples from gear boxes and have them tested and start documenting the results of the oil samples. The oil sample test is about \$25 a piece. These test results can show any water infiltration and other impacts. Clint said they would incorporate this. May need training on how to pull oil out of the gearbox to collect the samples.

Controller/Clerk Report:

June 30, 2022 – Financial Report: LeIsle reported the District is looking good overall compared to the budget as of June 30, 2022. The water sales are down approximately 11% of budget but 0.17% from 2021. The impact fees and connection fees are much higher than this time in 2021. There is an increase in sewer sales due to additional connections. The expenses are all below budget by 12%, which is consistent with the reduction in water sales. The amount of funds spent towards projects and capital facilities was presented to the Board, the cash in bank, and the amount of debt that had been paid during the first six months of the year. The detailed financial statements were provided to the Board.

Legal Requirement Check List: LeIsle presented a new check list that lists all the legal filing requirements and deadlines that the District is required to comply with. It also shows when the District submitted reports and if the requirements have been completed. It also includes some in house policy requirements and indicates if the District has completed those, and when it was completed. The check list is a tool to track where the District is at with compliance, and it shows other management team members and Board if the District is in reporting compliance.

General Engineering YTD Costs: LeIsle presented this report in response to the Board's request in tracking how much has been spent towards general task orders approved from consultants, such as general engineering spent with Epic Engineering, Bowen Collins and Associates, Hansen Allen & Luce. None of the year-to-date amounts are over what was approved for the task order.

PROJECT AWARDS & AGREEMENTS

Discussion and possible motion to approve the following project awards and agreements:

Westech Change Order #1 to the Clarifier Upgrade/Restoration project in the amount of \$4,800: Dallas asked the board to approve the change order #1 on the clarifier upgrade/restoration project in the amount of \$4,800, discussed in the last board meeting. There was an additional amount for the control panel, originally ordered they were bare bones and once they get on site, what kind of components are chosen, which caused the change order. A motion was made by Jeff White, seconded by Dan Stewart, to approve the change order #1 for the Clarifier Upgrade/Restoration project in the amount of \$4,800. The motion was approved as follows: Jeff White, yea, Dan Stewart, yea and Mick Sudbury, yea.

Purchase of aeration equipment spare shelf unit from Aeration Industries International and repair kits in the amount of \$54,424: Dallas indicated this is for the spare unit for the Triton mixer/blower and comes with 2 repair kits and the spare shelf unit. This price does not include any extra electrical that may need to be done at the time of use and swap. This will give the treatment plant a 9th unit in the event of a major problem and can be used while repairs are done on a permanent aeration unit. A motion was made by Jeff White, seconded by Dan Stewart, to approve the purchase of the aeration equipment spare shelf unit from Aeration Industries International and repair kits in the amount of \$54,424. The motion was approved as follows: Mick Sudbury, yea, Dan Stewart, yea and Jeff White, yea.

Purchase of the Truvac HXX by Vactor Manufacturing from Owen Equipment in the amount of \$602,410: Raymond indicated to the Board in purchasing this unit now would save the District about \$60,000. A motion was made by Jeff White, seconded by Dan Stewart, to approve the purchase of the Truvac HXX by Vactor Manufacturing from Owen Equipment in the amount of \$602,410. The motion was approved as follows: Mick Sudbury, yea, Dan Stewart, yea and Jeff White, yea.

Order of meters for 2023 including meters for new development, 900 replacement 5/8" culinary water meters and 200 3/4" replacement secondary water meters, and extras of larger sized meters 0- purchase price when delivered of \$722,792.17: LeIsle indicated due to the lengthy lead times in receiving water meters, we have been advised by our meter supplier to get an order in so the District won't be out of meters for the replacement program and

anticipated new development in 2023. These meters will not be paid for until they are received and that will be in 2023, so it will be included in the 2023 budget. A motion was made by Jeff White, seconded by Dan Stewart, to approve the order of the meters. The motion was approved as follows: Mick Sudbury, yea, Jeff White, yea and Dan Stewart, yea.

ADMINISTRATIVE

Discussion and possible motion to approve the following administrative items: This item has been discussed under the General Manager's report.

Draft of Staff Engineer position job description and duties: This item has been discussed under the Engineering report.

Discussion and possible motion to approve hiring a meter crew/customer service employee: This item has been discussed under the General Manager's report.

Granger Hunter Improvement District proposed changes to existing interlocal agreement for cross over connections: Clint indicated Granger Hunter Improvement District has approached the District regarding an update to the interlocal agreement between them and the District. The Attorney has reviewed the proposed agreement and indicated there were no legal concerns. LeIsle expressed a few concerns regarding additional connections in the billing system which would not be an issue. The other concern is about the tax revenue that is received from Granger Hunter for those connections and how it would be calculated and if it would be sufficient to subsidize the GO Bond payments that the District collects property taxes for. The difference in the proposed agreement and what is collected now may not be substantial enough to be concerned about. LeIsle asked if we could approach Granger Hunter to engage in additional consideration and bring back to the Board in a later board meeting. The board gave approval. The agenda item was tabled.

Next scheduled regular board meeting, September 8, 2022: The next regular scheduled board meeting is scheduled for September 8, 2022. Board all recognized the date and approved.

TRAINING & SAFETY

Discussion on the following training & safety items:

Intermountain Section AWWA Conference, October 5 – 7, 2022, Vernal, UT: Clint asked if the Board would support attendance to this conference. Indicated it was a good conference for Management to attend. Asked for approval to send Matt Skogerboe or Steve Clark, Raymond Mondragon or LeIsle Fitzgerald, and Clint Dilley, and any other Trustees that would like to attend. A motion was made by Jeff White, seconded by Dan Stewart, to approve attendance to this conference by three staff and any Trustees interested in attending. The motion was approved as follows: Mick Sudbury, yea, Dan Stewart, yea and Jeff White, yea.

Caselle Training Conference, October 25 – 26, 2022, Salt Lake Marriott downtown at City Creek, SLC, UT: LeIsle asked if the Board would support attendance to the Caselle Training Conference. The District has not participated in this conference for a very long time and by not attending the District has missed out on learning about some updates that have been available. Caselle indicated we could register all office employees, Mandy Whitmore, LeIsle Fitzgerald and Clint Dilley and rotate the individuals according to what courses each wanted to attend. A motion was made by Jeff White, seconded by Dan Stewart, to attend the Caselle Training

Conference October 25 – 26, 2022. The motion was approved as follows: Dan Stewart, yea, Mick Sudbury, yea and Jeff White, yea.

Available dates to hold Trustee training, presented by UASD: LeIsle has contacted LeGrand Bitter, UASD President to ask if he would do an inhouse training for the Trustees at our office. He would be happy to perform the training. He preferred if the Trustees would attend the UASD Conference and if any were unable to attend, then he would do the inhouse training some time after that conference.

Motion to meet immediately in closed session to discuss the character, professional competence, or physical or mental health of an individual, pending or reasonably imminent litigation, and the purchase, exchange, or lease of real property, including any form of a water right or water shares pursuant to Utah Code Ann. §§ 52-4-204 through 205. Jeff White made a motion to meet immediately in closed session to discuss the character, professional competence, or physical or mental health of an individual, pending or reasonably imminent litigation, and the purchase, exchange, or lease of real property, including any form of a water right or water shares, pursuant to Utah Code Ann. 52-4-204 through 205. The motion was seconded by Dan Stewart, and approved as follows: Mick Sudbury, yea, Dan Stewart, yea and Jeff White, yea. The open session of the Board meeting was closed at 12:53 a.m.

Motion to close the closed session and to reopen the open session of the Board Meeting: Jeff White made a motion to close the closed session and reconvene the open session at 2:09 pm. The motion was seconded by Dan Stewart, and approved as follows: Mick Sudbury, yea, Jeff White, and Dan Stewart, yea.

Consider action on any noticed agenda item discussed in closed meeting: None

Other Business: None

Adjourn: Having no further business to discuss, a motion was made by Jeff White, seconded by Dan Stewart, to adjourn the meeting at 2:10 pm. The motion was approved as follows: Jeff White, yea, Dan Stewart, yea, and Mick Sudbury, yea.

Attest

Chairperson

**INVOICE
PAYMENTS**

**MAGNA WATER DISTRICT
INVOICE PAYMENTS
8/8/2022 TO 9/4/2022**

Check Issue Date	Payee	Amount	Description
8/8/2022	BANKCARD CENTER	200.00	PERMIT - WEST VALLEY CITY
8/8/2022	REGENCE BCBS OF UTAH	9,885.23	INSURANCE
8/8/2022	STANDARD PRINTING COMPANY	2,538.53	PROCESS OF MONTHLY BILLINGS
8/8/2022	THATCHER COMPANY	6,728.74	CHEMICALS
8/8/2022	THATCHER COMPANY	5,471.70	CHEMICALS
8/8/2022	THATCHER COMPANY	(3,500.00)	CHEMICALS
8/9/2022	CHEMTECH-FORD	293.00	WWTP SAMPLES
8/9/2022	CHEMTECH-FORD	441.00	EDR SAMPLES
8/9/2022	CHEMTECH-FORD	228.00	WWTP SAMPLES
8/9/2022	CHEMTECH-FORD	28.00	WATER SAMPLES
8/9/2022	CHEMTECH-FORD	489.00	WWTP SAMPLES
8/9/2022	CHEMTECH-FORD	228.00	WWTP SAMPLES
8/9/2022	CHEMTECH-FORD	375.00	WATER SAMPLES
8/9/2022	CHEMTECH-FORD	293.00	WWTP SAMPLES
8/9/2022	CHEMTECH-FORD	211.00	WATER SAMPLES
8/9/2022	CHEMTECH-FORD	149.00	EDR SAMPLES
8/9/2022	CHEMTECH-FORD	206.00	WWTP SAMPLES
8/9/2022	CHEMTECH-FORD	375.00	WATER SAMPLES
8/9/2022	CHEMTECH-FORD	293.00	WWTP SAMPLES
8/9/2022	CHEMTECH-FORD	50.00	WATER SAMPLES
8/9/2022	CHEMTECH-FORD	228.00	WWTP SAMPLES
8/9/2022	CHEMTECH-FORD	25.00	WATER SAMPLES
8/9/2022	CHEMTECH-FORD	441.00	WWTP SAMPLES
8/9/2022	CHEMTECH-FORD	25.00	WATER SAMPLES
8/9/2022	DATA SERVICES	25.00	DATA SERVICES
8/9/2022	UTAH BROADBAND	279.00	CUSTOMER SUPPORT AND BILLING
8/9/2022	WATER ENVIRONMENT ASSC OF UTAH	300.00	EFFECTIVE UTILITY MNGMNT WORKSHOP
8/10/2022	AQS ENVIRONMENTAL SCIENCE	2,000.00	SEWER CHEMIST CONSULTANT
8/10/2022	BUCHANAN ACCESS SYSTEMS, LLC	155.00	FIX GATE- WWTP
8/10/2022	BUCHANAN ACCESS SYSTEMS, LLC	360.00	GATE KEYPAD REPAIR- WWTP
8/10/2022	CASH (PETTY)	25.10	WATER CUPS- PARADE
8/10/2022	CASH (PETTY)	61.00	CDL LICENSE
8/10/2022	CASH (PETTY)	23.57	OIL SAMPLE SHIPPING FOR COMPRESSOR
8/10/2022	CASH (PETTY)	6.74	PART FOR WATER TANK FOR PARADE
8/10/2022	CASH (PETTY)	44.20	JUNE SAFETY MEETING
8/10/2022	CASH (PETTY)	20.00	CUT STEEL INTO STRIPS FOR PRESS BLDG
8/10/2022	CASH (PETTY)	28.25	LUNCH -CREW WORKING ON LEAK
8/10/2022	CASH (PETTY)	11.12	TAILGATE 4 BOLTS - #45
8/10/2022	CASH (PETTY)	64.91	LUNCH FOR COSTRUCTION CREW
8/10/2022	CORE & MAIN, LP	1,179.89	SHOP PARTS- STOCK
8/10/2022	CORE & MAIN, LP	2,335.50	SHOP PARTS- STOCK
8/10/2022	D & L SUPPLY	1,200.00	VALVE BOX RISERS
8/10/2022	DURA-CRETE INC.	4,440.00	SEWER COVERS
8/10/2022	DURA-CRETE INC.	(1,200.00)	SEWER COVERS- CREDIT
8/10/2022	E.T. TECHNOLOGIES, INC	2,962.98	SLUDGE REMOVAL
8/10/2022	ERIKS NORTH AMERICA, Inc	137.77	HIGH PRESSURE WATERLINE--#45
8/10/2022	ERIKS NORTH AMERICA, Inc	2.68	HIGH PRESSURE WATERLINE--#45
8/10/2022	ERIKS NORTH AMERICA, Inc	492.79	HOSES & FITTINGS- WWTP CLARIFIER UPGRADE
8/10/2022	FERGUSON WATERWORKS #1616	1,326.45	STOCK PARTS- WATER
8/10/2022	FUEL NETWORK	6,072.08	GASOLINE FOR VEHICLES
8/10/2022	INDIGO WATER GROUP	1,240.00	WWTP TRAINING & SUPPORT
8/10/2022	LEVERAGE IT SOLUTIONS	1,580.00	JULY STANDARD SUPPORT
8/10/2022	LEVERAGE IT SOLUTIONS	1,160.00	JULY STANDARD SUPPORT
8/10/2022	MID ATLANTIC TRUST COMPANY	2,608.80	401(K)
8/10/2022	MORGAN ASPHALT	454.10	ASPHALT FOR REPAIRS
8/10/2022	MOUNTAINLAND SUPPLY COMPANY	213.36	REPAIR PARTS- MCDONALD'S SERVICE
8/10/2022	NEWMAN CONSTRUCTION	112,942.62	ZONE 3 SECONDARY BOOSTER PUMP STATION
8/10/2022	PURCELL TIRE COMPANY	53.50	TIRE REPAIR- #61
8/10/2022	REMOTE CONTROL SYSTEMS. INC.	285.00	RESERVOIR HATCH ALARMS
8/10/2022	UTAH DEPT OF GOVERNMENT OPERATIONS	53,400.00	2003 WATER RESOURCE LOAN
8/10/2022	WHEELER MACHINERY CO	87.00	HYDRAULIC HOSE & BOLTS REPAIR - #11
8/11/2022	ALLSTATE	574.96	OPEB OBLIGATION
8/11/2022	FORCE ELECTRIC, LLC	7,412.00	WIRING FOR HATCH TANK ALARMS
8/11/2022	GRAINGER	54.68	JACKHAMMER PARTS
8/11/2022	GRAINGER	42.32	PIPE WRENCH & COPPER TUBE CUTTERS
8/11/2022	GRAINGER	75.24	PIPE WRENCH & COPPER TUBE CUTTERS
8/11/2022	HACH COMPANY	560.42	LAB SUPPLIES- WWTP
8/11/2022	NATIONAL BENEFIT SERVICES, LLC	52.00	HRA PLAN FEES -JULY 2022
8/11/2022	REPUBLIC SERVICES #864	2,197.52	GARBAGE COLLECTION- WWTP
8/11/2022	RICOH USA , INC	168.67	COPIER AT EDR

**MAGNA WATER DISTRICT
INVOICE PAYMENTS
8/8/2022 TO 9/4/2022**

Check Issue Date	Payee	Amount	Description
8/11/2022	USA BLUEBOOK	216.96	SUPPLIES -DATA COLLECTION FUTURE RESUE PROJECT
8/11/2022	UTAH-IDAHO TEAMSTERS SECURITY FUND	38,737.60	HEALTH & WELFARE PREMIUM UNION
8/11/2022	VERIZON WIRELESS	373.43	CELLPHONE SERVICE
8/11/2022	WESTERN CONF TEAMSTERS PENSION	22,820.44	UNION PENSION CONTRIBUTION
8/16/2022	CATEPILLAR FINANCIAL SERVICES CORP	11,650.97	LEASE 2021 CAT 420-07 BACKHOE LOADER
8/16/2022	CINTAS CORPORATION #180	204.82	SHOP/EDR UNIFORMS AND LINENS
8/16/2022	CINTAS CORPORATION #180	309.66	WWTP UNIFORMS AND LINENS
8/16/2022	CINTAS CORPORATION #180	109.33	OFFICE MATS
8/16/2022	CINTAS CORPORATION #180	208.38	SHOP/EDR UNIFORMS AND LINENS
8/16/2022	CINTAS CORPORATION #180	262.94	WWTP UNIFORMS AND LINENS
8/16/2022	CINTAS CORPORATION #180	415.49	WWTP UNIFORMS AND LINENS
8/16/2022	CINTAS CORPORATION #180	197.41	SHOP/EDR UNIFORMS AND LINENS
8/16/2022	COSTCO WHOLESALE	427.40	SUPPLIES FOR WWTP
8/16/2022	DOMINION ENERGY	7.24	NATURAL GAS 3291 S 8000 W
8/16/2022	DOMINION ENERGY	27.58	NATURAL GAS 8931 W 3500 S
8/16/2022	DOMINION ENERGY	143.44	NATURAL GAS 7650 W 2100 S
8/16/2022	DOMINION ENERGY	9.60	NATURAL GAS 8885 W 3500 S
8/16/2022	ELITE GROUNDS, LLC	860.19	LANDSCAPINGCONTRACT DISTRICT OFFICE
8/16/2022	ELITE GROUNDS, LLC	963.01	LANDSCAPING CONTRACT WWTP
8/16/2022	IPS	125.73	T&A MONTHLY FEE
8/16/2022	LOWE'S	171.68	CONRETE REPAIR-OFFICE
8/16/2022	LOWE'S	89.11	MISC SUPPLIES -EDR
8/16/2022	LOWE'S	38.32	MISC SUPPLIES- WWTP
8/16/2022	REGENCE BCBS OF UTAH	1,784.00	OPEB OBLIGATION
8/16/2022	VERIZON CONNECT FLEET USA LLC	697.00	GPS MONTHLY CHARGE
8/17/2022	B&B SUPPLY, INC.	1,890.00	SAND FOR WELLS
8/17/2022	BOB BATT	166.24	IMPACT HAMMER REPAIR
8/17/2022	BOB'S BELT SERVICE	246.60	LEATHER GLOVES
8/17/2022	COLONIAL FLAG & SPECIALTY	159.00	FLAGS FOR OFFICE
8/17/2022	CORE & MAIN, LP	633.75	SHOP PARTS- STOCK
8/17/2022	CRUS OIL INC./QUALCO	112.36	WATER FILTERS FOR GENERATOR - EDR
8/17/2022	E.T. TECHNOLOGIES, INC	2,880.44	SLUDGE REMOVAL
8/17/2022	IGES, INC.	573.75	WESTSIDE WASTE WATER
8/17/2022	INDUSTRIAL SUPPLY CO., INC.	461.76	SQUEEGEE FOR EDR
8/17/2022	J SOLUTIONS LLC	1,800.00	REFUND OF HYDRANT DEPOSIT
8/17/2022	JACKS TIRE & OIL	954.23	TIRES- #63
8/17/2022	JORDAN VALLEY WATER	1,715.89	WATER SAMPLES
8/17/2022	METERWORKS	9,432.50	METER CHANGE OUTS
8/17/2022	MIKEY BOONE	195.00	REIMBURSEMENT & BONUS - PASSING CERTIFICATION
8/17/2022	OWEN EQUIPMENT	602,410.00	HYDRO EXCAVATOR TRUCK
8/17/2022	ROCKY MOUNTAIN CARE CLINIC	195.00	PHYSICAL EXAM DOT MEDICAL
8/17/2022	RULON HARPER CONSTRUCTION, INC	1,170.72	GRAVEL & ROADBASE
8/17/2022	SKM INC.	3,875.36	SCADA MAINTENANCE SEWER SYSTEM
8/17/2022	SUNROC CORP	1,800.00	REFUND OF HYDRANT DEPOSIT
8/17/2022	T-O ENGINEERS, INC.	4,588.75	ENGINEERING SERVICES
8/17/2022	WESTECH INC.	166.08	CLARIFIER SQUEEGEE
8/17/2022	WIDDISON TURBINE SERVICE	62,132.85	HAYNES WELL #2 CLEANING PROJECT
8/18/2022	DOMINION ENERGY	34.26	NATURAL GAS 6850 W 2820 S
8/18/2022	DOMINION ENERGY	21.57	NATURAL GAS 6026 PARKWAY BLVD
8/18/2022	DURA-CRETE INC.	1,455.00	SECONDARY METER BOXES
8/18/2022	ROCKY MOUNTAIN POWER CO.,	2,622.96	POWER BOOSTER STATION
8/18/2022	ROCKY MOUNTAIN POWER CO.,	54,344.11	POWER BARTON WELLS 1&2
8/18/2022	ROCKY MOUNTAIN POWER CO.,	4,341.29	POWER HAYNES WELLS
8/18/2022	TEN POINT SALES & MARKETING LLC	7,790.53	SEWER CAMERA REPAIR-#52
8/19/2022	O'REILLY	214.32	MECHANIC SHOP STOCK
8/19/2022	O'REILLY	96.71	CLEANING SUPPLIES
8/19/2022	O'REILLY	11.26	CLAMPS FOR SOLAR PANELS
8/19/2022	O'REILLY	53.21	SUPPLIES CHLORINE MIXER GEAR BOX
8/19/2022	ROCKY MOUNTAIN POWER CO.,	954.45	POWER 3500 S TANKS
8/19/2022	ROCKY MOUNTAIN POWER CO.,	18.76	POWER BACCHUS TANKS
8/19/2022	ROCKY MOUNTAIN POWER CO.,	2,524.56	POWER SECONDARY WATER PUMP
8/19/2022	ROCKY MOUNTAIN POWER CO.,	84.78	POWER 8885 W 3500 S
8/19/2022	ROCKY MOUNTAIN POWER CO.,	533.82	POWER CEMENT BUILDING SHOPS
8/19/2022	ROCKY MOUNTAIN POWER CO.,	3,780.00	POWER 7600 RESERVOIR
8/19/2022	STAPLES BUSINESS CREDIT	74.99	DVD PLAYER - OFFICE
8/19/2022	STAPLES BUSINESS CREDIT	52.30	OFFICE SUPPLIES- OFFICE
8/19/2022	STAPLES BUSINESS CREDIT	41.59	OFFICE SUPPLIES- OFFICE
8/19/2022	STAPLES BUSINESS CREDIT	17.89	OFFICE SUPPLIES- SEWER COLL.
8/19/2022	STAPLES BUSINESS CREDIT	32.32	OFFICE SUPPLIES-SHOP
8/19/2022	ZIONS BANK PUBLIC FINANCIAL SVS	44,542.08	INTEREST - COMMERCIAL LEASE TRUCKS
8/20/2022	REPUBLIC SERVICES #864	564.11	GARBAGE COLLECTION EDR/SHOP
8/20/2022	RICOH USA , INC	183.82	COPIER ADMINISTRATIVE OFFICE

**MAGNA WATER DISTRICT
INVOICE PAYMENTS
8/8/2022 TO 9/4/2022**

Check Issue Date	Payee	Amount	Description
8/20/2022	RICOH USA , INC	60.00	COPIER ADMINISTRATIVE OFFICE
8/22/2022	BANKCARD CENTER	1,185.30	2022 AWWA INTERMTN SECTION CONFERENCE
8/22/2022	WORKERS COMPENSATION FUND OF U	1,684.02	WORKERS COMP INSURANCE
8/23/2022	APPLICANT PRO	159.82	JOB LISTINGS
8/24/2022	ATS	2,815.00	CHEMICALS
8/24/2022	BLUELINE SERVICES	141.00	RADOM DRUG TESTING
8/24/2022	E.T. TECHNOLOGIES, INC	1,356.98	SLUDGE REMOVAL
8/24/2022	HANSEN ALLEN & LUCE, INC.	2,932.76	EVALUATION AND REHABILITATION SERVICES
8/24/2022	METERWORKS	35,691.50	CULINARY & SECONARY METERS
8/24/2022	MID ATLANTIC TRUST COMPANY	2,608.80	401(K)
8/24/2022	OLYMPUS INSURANCE COMPANY	50.00	NOTARY BOND
8/24/2022	PRECISION POWER INC	709.00	BIENNIAL LOAD BANK TESTING-HAYNES, BARTON, VALLEY FORGE
8/24/2022	PRECISION POWER INC	1,946.00	BIENNIAL LOAD BANK TESTING-HAYNES, BARTON, VALLEY FORGE
8/24/2022	PRECISION POWER INC	514.00	BIENNIAL LOAD BANK TESTING-OFFICE
8/24/2022	PRECISION POWER INC	776.00	BIENNIAL LOAD BANK TESTING-WWTP
8/24/2022	PRECISION POWER INC	1,004.00	BIENNIAL LOAD BANK TESTING-WWTP
8/24/2022	PRECISION POWER INC	776.00	BIENNIAL LOAD BANK TESTING-WWTP
8/24/2022	SHRED-IT	74.47	DOCUMENT SHREDDING
8/24/2022	THATCHER COMPANY	6,567.41	CHEMICALS
8/24/2022	THATCHER COMPANY	6,725.50	CHEMICALS
8/24/2022	THATCHER COMPANY	(2,100.00)	CHEMICALS
8/24/2022	USA BLUEBOOK	1,379.35	FLUID TRANSFER PUMP- SCREEN PRESS BLDG
8/25/2022	ANSERFONE	326.00	24 HR PHONE SERVICE
8/25/2022	CASELLE, INC.	1,854.00	CONTRACT SUPPORT CHARGES
8/25/2022	HUBER TECHNOLOGY	15,085.56	SCREW PRESS MAINTAINENCE PARTS - WWTP
8/25/2022	I-D ELECTRIC COMPANY	20,800.13	BACKUP VFD FOR WELLS
8/25/2022	INDUSTRIAL SUPPLY CO., INC.	37.08	1 DRILL BIT- REPAIR #45"
8/25/2022	ROCKY MOUNTAIN POWER CO.,	806.68	POWER SHALLOW WELLS
8/25/2022	SAFETY-KLEEN SYSTEMS, INC.	401.42	WASHER SOLVENT
8/25/2022	WIN-911 SOFTWARE	1,782.00	ANNUAL RENEWAL SOFTWARE MAINT
8/29/2022	BANKCARD CENTER	497.00	TATEMS 2 YR RENEWAL- SHOP
8/29/2022	ELITE GROUNDS, LLC	323.15	DRIP SYSTEM REPAIR- DISTRICT OFFICE
8/29/2022	WEF MEMBERSHIP	85.00	MEMBERSHIP
8/29/2022	WEST VALLEY CITY	130.20	STORMWATER AT EDR
8/30/2022	AIRGAS USA, LLC - CENTRAL DIVISION	4.45	ARGON RENTAL CYLINDER
8/30/2022	AIRGAS USA, LLC - CENTRAL DIVISION	53.40	ACETYLENE & OXYGEN RENTAL CYLINDERS
8/30/2022	BATTERY SYSTEMS	447.92	BATTERIES- ZONE 3 TANK SOLAR SYSTEM
8/30/2022	BLUE STAKES OF UTAH 811	669.72	BILLABLE E-MAIL NOTIFICATIONS
8/30/2022	SMITH HARTVIGSEN, PLLC	2,125.00	GENERAL LEGAL MATTERS
8/30/2022	SMITH HARTVIGSEN, PLLC	26.00	EMPLOYMENT LAW & OTHER CONFIDENTIAL MATTER
8/30/2022	SMITH HARTVIGSEN, PLLC	464.00	KC LOGISTICS
8/31/2022	ADVANCED ENGINEERING & ENVIR. SERVICES	8,090.00	LEAD AND COPPER RULE REVISION SUPPORT
8/31/2022	AMERICAN EAGLE READY MIX	1,099.00	CONCRETE FOR FUEL STORAGE TANK- WWTP
8/31/2022	BOWEN COLLINS & ASSOCIATES	74,862.15	MAGNA REUSE PROJECTS
8/31/2022	CROSS CONSTRUCTION	9,044.00	REFUND OVERPAYMENT OF CONNECTION FEES
8/31/2022	DEFA CONSTRUCTION	5,328.00	CONCRETE PAD FOR FUEL STORAGE TANK- WWTP
8/31/2022	E.T. TECHNOLOGIES, INC	1,941.93	SLUDGE REMOVAL
8/31/2022	EPIC ENGINEERING, P.C.	1,490.52	GATEWAY TO LITTLE VALEY-INSPECTION PHASE 2B
8/31/2022	EPIC ENGINEERING, P.C.	82.50	GATEWAY TO LITTLE VALLEY PHASE 1 AND 2
8/31/2022	EPIC ENGINEERING, P.C.	1,100.04	GATEWAY TO LITTLE VALLEY PHASE 1 AND 2-INSPECTION
8/31/2022	EPIC ENGINEERING, P.C.	1,300.00	TRUCK GARAGE AND SAND BINS
8/31/2022	EPIC ENGINEERING, P.C.	2,148.00	ZONE 3 SECONDARY BOOSTER PUMP STATION & CULINARY PUMP
8/31/2022	EPIC ENGINEERING, P.C.	396.00	MAGNA GENERAL ENGINEERING 2022
8/31/2022	EPIC ENGINEERING, P.C.	3,192.84	ASCEND AT LITTLE VALLEY INSPECTION SEWER
8/31/2022	EPIC ENGINEERING, P.C.	10,648.20	GATEWAY TO LITTLE VALLEY PHASE 3 -INSPECTION
8/31/2022	EPIC ENGINEERING, P.C.	21,120.00	CULINARY WATER & SEWER PIPELINE REPAIRS
8/31/2022	EPIC ENGINEERING, P.C.	1,440.00	SCREW PRESS BUILDING ADDITION STUDY
8/31/2022	HACH COMPANY	738.60	PHOSPHORUS TNT PLUS VIAL TEST- WWTP LAB
8/31/2022	HARRINGTON INDUSTRIAL PLASTICS	(187.27)	RETURN PARTS FOR REPLUMB OF CHEMICAL ROOM
8/31/2022	HARRINGTON INDUSTRIAL PLASTICS	313.40	REPLUMB CHEMICAL ROOM -EDR
8/31/2022	INDUSTRIAL SUPPLY CO., INC.	95.01	TOOLS -SHOP
8/31/2022	LAWSON PRODUCTS, INC.	2,612.76	MECHANIC SHOP SUPPLIES
8/31/2022	MECHANICAL SERVICE & SYSTEMS, INC.	363.00	HVAC TROUBLESHOOTIG - EDR
8/31/2022	MILLCREEK HOMES	46,869.00	REFUND OVERPAYMENT OF CONNECTION FEES
8/31/2022	NEWMAN CONSTRUCTION	12,825.00	2022 CULINARY & SEWER PIPELINE REPLACEMENTS

**MAGNA WATER DISTRICT
INVOICE PAYMENTS
8/8/2022 TO 9/4/2022**

Check Issue Date	Payee	Amount	Description
8/31/2022	OLD CASTLE PRECAST INC.	30,520.00	ABOVE GROUND FUEL STORAGE TANK -WWTP
8/31/2022	PURCELL TIRE COMPANY	186.64	FLAT TIRE REPAIR- #69
8/31/2022	PURCELL TIRE COMPANY	23.54	FLAT TIRE REPAIR- #69
8/31/2022	R&R PAVING LLC	46,607.10	ASPHALT PATCHING THROUGHOUT THE DISTRICT
8/31/2022	ROCKY MOUNTAIN POWER CO.,	9.76	POWER WWTP ADMIN BLDG
8/31/2022	ROCKY MOUNTAIN POWER CO.,	26,611.25	POWER WWTP OPERATIONS BLDG
		\$ 1,559,867.71	

**MAGNA WATER DISTRICT
ZIONS BANK BOND PAYMENT
8/8/2022 TO 9/4/2022**

Check Issue Date	Payee	Amount	Description
8/10/2022	ZIONS FIRST NATIONAL BANK	\$ 83,282.19	5436869-BOND SER 2013
		\$ 83,282.19	

MANAGER'S REPORT



MEMO

TO: MWD Board of Directors
FROM: Clint Dilley, P.E., General Manager
DATE: 09/01/22 (September 8th Board Meeting)
RE: Report and Discussion from General Manager

PURPOSE OF MEMO

The purpose of this memo is to provide the Magna Water District (MWD) Board of Directors a general report from the General Manager and associated discussion with input from rest of management team to keep the board abreast of general matters in the District. The format of the memo will primarily be a list of bullet points to assist guiding the discussion in the board meeting.

REPORT FROM GENERAL MANAGER

After discussions with the board and management team we have focused our efforts on three main areas including 1) Staffing 2) Operations and 3) Communication as outlined in the following sections.

STAFFING

- Human Resources Manager
 - In house posting closed with no applicants
 - Board approved Hire Integrated to assist with outside search, screening and interviewing
 - GM has had initial one on one interviews with three prescreened candidates thus far and would like to set up follow up with mgmt team with 2 of 3
- Customer Service/Meter Technician
 - Board approved hiring an additional customer service/meter technician position with special emphasis on customer service side, service orders, water quality & pressure questions, customer noticing and interactions with back up support on meter replacement and other duties. Mgmt team coordinated with Union to ensure no issues from their standpoint
 - In house posting to close 9/6/22

OPERATIONS

- Water Operations
 - Concept site plan and layout of an onsite training facility completed
 - Water operations crew has started building portions of the facility
 - Backfill material storage moving forward with concrete foundation blocks and bids on structural frame and canopy with a goal for fall completion prior to winter weather conditions

- Bids received for the fencing at 7600 West reservoir property addition will recommend award of low bid at board meeting
- GM will set up a meeting with COB, Water OM & Wastewater OM & JWCD GM to review safety program
- Lead and copper ruler introductory mailer drafted by consultant. Will meet with consultant to incorporate board concerns over customer confusion, more explanation/clarification, prior to sending out
- Water OM and Lead to update board on impact of additional door to electrical room on air circulation & cooling
- Two of new employees on construction crew are struggling to pass the written CDL test. Working with Water OM and Lead to provide additional support/resources to assist in passing test
- WWTP Operations
 - Additional 2000 gallon emergency fuel storage tank was installed on 8/31/22 and should be operational with fuel pump and electrical in next couple weeks
 - Reviewing organic strength/aeration requirements with consultant and developing scope for Facility Plan update
 - 7 WW operators taking certification exams on 9/1/22
- Office
 - Completed district wide harassment training on 8/31/22
 - GM & DE working with Alphagraphics to provide a concept layout for a series of wall maps in front office and hall
 - GM, DE & COB discussed improving layout of board room table to be more functional for other uses/meetings. GM setup a meeting for 8/12/22.
 - Will begin recycling service for office recycling needs
 - DE incorporating board feedback on concept floor plan layout for finished basement office space. GM, DE & Controller toured White City Water facilities for ideas on storage facilities
 - Controller reviewing options to improve format of monthly bills. Also generated a flyer that was sent out to help explain how to calculate water bill and how to compare usage
 - Clerk completed draft compliance schedule/status and will incorporate board and mgmt team feedback
 - Fleet vehicle considerations
 - Water & WW OM's evaluating truck needs
 - Recommend adding two trucks to lease program – one on water side for new customer service/meter technician and one on sewer side to rotate out the 2007 Chevy 2500 HD plow truck and use the 2016 Ford F350 as plow truck
 - Get bid for 2nd layer of tinting on top row of south facing windows
 - Look at using office TV for security monitoring in GM office
- Delinquent accounts
 - August 2022
 - Accounts that are delinquent: 318
 - Total of all delinquent accounts: \$32,037.79
 - Average delinquent account balance: \$100.75
 - Pink notices sent out on 7/12/22 for July = 48
 - July 2022
 - Accounts that are delinquent: 641
 - Total of all delinquent accounts: \$79,567.86
 - Average delinquent account balance: \$124.13

- Pink notices sent out on 6/28/22 for July = 146
- June 2022
 - Accounts that are delinquent: 555
 - Total of all delinquent accounts: \$65,106.96
 - Average delinquent account balance: \$117.31
 - Pink notices sent out on 6/2/22 for June = 18

COMMUNICATION & MORALE

- Continue working toward improving communication w/ board members & community partners
 - Clerk setup a tentative UASD board member training date for 12/1/22
 - Reuse video open house completed and posted to website and facebook page
 - GM attended Magna Metro Town Council on 8/23/22 and addressed questions on water conservation and HOA restrictions
- Work to improve communication & morale with employees
 - Look at setting up a fun activity around the annual pig cleaning of brine pipeline in Sept
 - Looking at setting up team building meeting for front office staff
 - Winter party date set for December 9th, 2022
 - Review options for Jackets with logo
 - GM looking at management/leadership training seminar options like Franklin Covey, Dale Carnegie, Eccles Business
- Work to improve communication with customers
 - Working with Alphagraphics to provide a concept informational/historical wall display in waiting room for viewing
 - Plan on either a ground water level summary or the lead and copper rule flyer for October 1st mailer
 - Thorough and prompt response to customer concerns and complaints
 - Customer complaint over a negative customer service interaction with one of the front office staff
 - Customer complimented one of front office staff for very positive interaction with question on a water bill

**YARD
TRAINING
COURSE**



WATER PRODUCTION

Water Production Report

August 2022

Water Production Summary

The culinary water production for August was 219.6 million gallons or 673.89-acre feet, a 9.38% increase from 2021. Year to date production was 1,193.3 million gallons or 3,662.34-acre feet, a 4.8% decrease from 2021.

We have purchased 536.35-acre feet of water from Jordan Valley Water as of August 2022.

Callout Report – Water and Wastewater Combined

Total number of call outs - 13 Total Hours – 74.75

1 Mainline

3 Service Leak

9 Miscellaneous

Summary Of Water Deliveries
MAGNA WATER DISTRICT
System # 18014
Aug-22

Source	Month's Deliveries (AF)		Change %	Current Month's Gall	Deliveries YTD (AF)		Change %	YTD Gallons
	2022	2021			2022	2021		
CULINARY WATER								
Well Sources Barton and Haynes	696.30	602.64			3,549.97	3,749.03		
To Waste	101.69	67.11			428.01	443.31		
Total Finished Blend EDR	605.25	538.32			3,125.99	3,301.76		
JVWCD Magna Reading	67.90	72.09			520.29	536.52		
JVWCD	68.64	72.37			536.35	534.96		
Total Culinary Water	673.89	610.69	9.38%	219,572,231	3,662.34	3,836.72	-4.76%	1,193,292,918
SECONDARY WATER								
Irrigation Well #1	-	27.84			3.70	131.78		
Irrigation Well #2	30.29	28.79			127.71	126.44		
Irrigation Well #3	12.17	11.24			34.01	57.68		
High Zone (secondary)	38.08	22.30			118.92	122.66		
Low Zone (secondary)	111.48	35.78			341.33	219.11		
Total secondary Usage	192.02	125.95	34.41%	62,565,685	625.67	657.67	-5.11%	203,860,805
Total Production of Water	865.91	736.64	14.93%	282,137,723	4,288.01	4,494.39	-5%	1,397,153,722

* EDR Blend + Total Secondary + JVWCD = Total Production

AUGUST CALL OUTS

Dept.	Employee	Date	Hours	Description
WATER	MICHAEL HARMS	8/12/2022	3	EMERGENCY BLUE STAKES
			3	NO WATER - 8061 COPPERFIELD PL
		8/13/2022	3	BROKEN SHUT OFF VALVE INSIDE HOME - 7044
			3	SETTER BREAK NEW CONSTRUCTION, 2820 S 7350 W
WATER	PAUL BIRD	8/19/2022	3	HOT SIDE SETTER LEAK, 2923 S 9050 W
	EDR	JON DAVIS	8/18/2022	6
EDR	JON DAVIS	8/18/2022	3	EDR #2 BLOWDOWN LOW FLOW, START #4
		8/22/2022	3	EDR #2 BLOWDOWN LOW FLOW, START #1
WATER	CLINT GILES	8/19/2022	7	MAINLINE LEAK, 3420 S BROADWAY
		8/20/2022	3.5	SERVICE LINE LEAK- 3762 S PAINE RD
WATER	CONNOR MCREYNOLDS	8/19/2022	3	WATER COMING FROM METER - 8195 W 3615 S
		8/20/2022	6	MAINLINE LEAK, 3420 S BROADWAY
WATER	JUSTIN LONG	8/25/2022	3.25	SERVICE LINE LEAK- 3762 S PAINE RD
		8/25/2022	3	IRRIGATION LID MISSING - 8480 W 3100 S
		8/26/2022	5	SERVICE LINE BREAK - 6477 W PARKWAY BLVD.
WATER	SPENCER SIMONS	8/27/2022	3	PINHOLE IN SETTER- 3039 S 8400 W
		8/26/2022	4	SERVICE LINE BREAK - 6477 W PARKWAY BLVD.
WATER	LONNIE THOMPSON	8/19/2022	6	MAINLINE LEAK, 3420 S BROADWAY
		8/26/2022	4	SERVICE LINE BREAK - 6477 W PARKWAY BLVD.
Total Callout Hours			74.75	
Total Callouts			13	
Total Water/EDR Hours			74.75	
Total # of Water Callouts			13	
Total WWTP Hours			0	
Total WWTP Callouts			0	

LEAKS

Date	Address	Hours	Mainline/Service
8/13/2022	2923 S 9050 W	3	SERVICE LEAK
8/19/2022	3420 S BROADWAY	25	MAINLINE LEAK
8/20/2022	3762 S PAINE RD	6.75	SERVICE LEAK
8/26/2022	6477 W PARKWAY BLVD	13	SERVICE LEAK
TOTAL		47.75	

FLANGAS
TOWNHOMES



BOARD OF TRUSTEES
Mick Sudbury, Chairman
Jeff White
Dan L. Stewart

GENERAL MANAGER
Clint Dilley, P.E.

August 24, 2022

Clint Dilley, P.E.
Magna Water District
8885 West 3500 South
P.O. Box 303
Magna, UT 84044

Subject: Flangas Townhomes PUD – Water & Sewer Availability

Clint,

We have completed our preliminary review of the proposed Flangas Townhomes PUD development located at 2943 S. Dora Street. Our determination of water and sewer availability is as follows:

EXISTING FACILITIES

- WATER** Water service is available near the development. There is an 8-inch water line located in Robin Road, south of the proposed development and an 8-inch water line located in the Oquirrh Hills Apartments north of proposed development.
- SEWER** Sewer service is available near the development. There is an 8-inch sanitary sewer line located in 8400 West, east of the proposed development and an 8-inch sewer line located in the Oquirrh Hills Apartments north of proposed development.
- SEC WATER** Secondary water service is not currently available to the development.

RECOMMENDATIONS

- WATER** Connect to the existing 8-inch water line in located in Robin Road and extend 8-inch water line north along west property frontage. Extend water service to building lots.
- SEWER** Connect to the existing 8-inch sanitary sewer line located in 8400 West and extend required sewer service to the development.
- SEC WATER** Magna Water District has implemented a secondary water dry-line policy for all new developments approved after April 10, 2001. All new developments involving the development of outdoor watering area are required to install a secondary dry-line. This development will be required to install an 8-inch dry lines along the west and south property frontage. In addition, dry service lateral(s) shall be extended to the site off of the main for future connection.

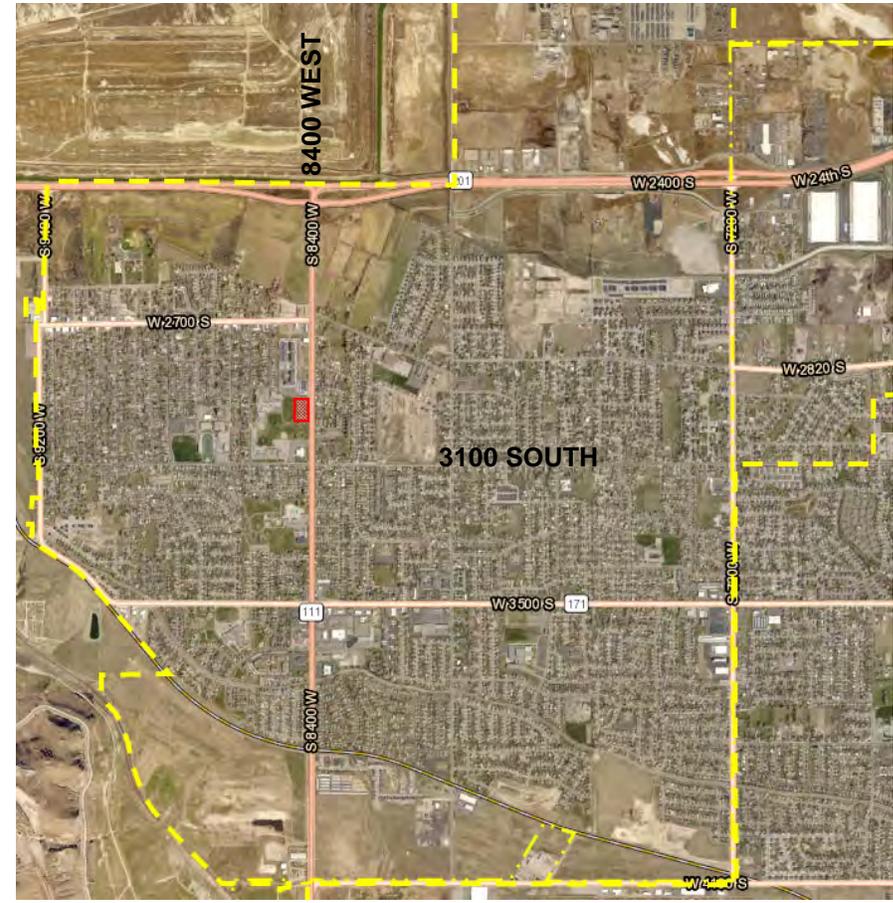
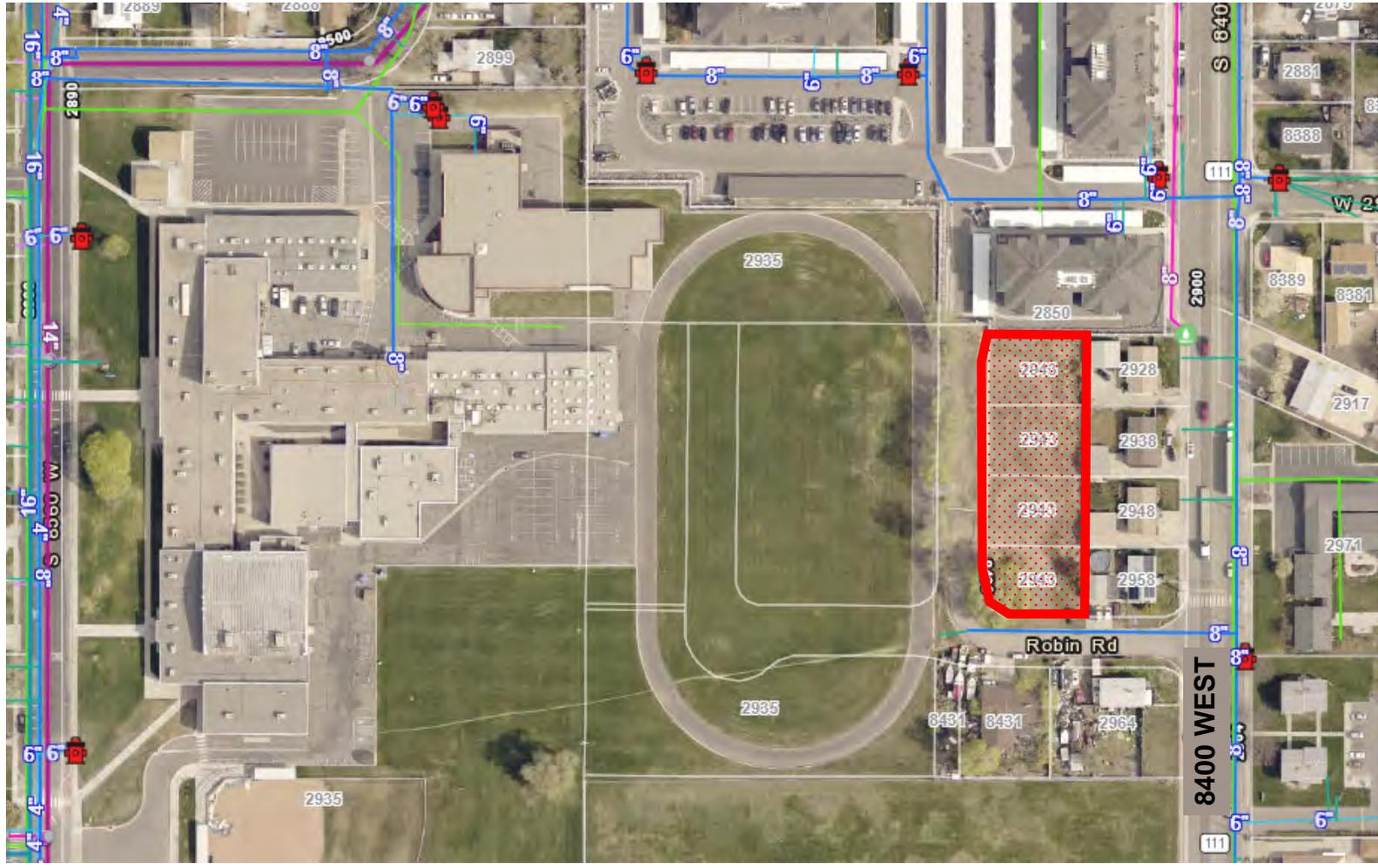
Plans showing the water and sewer lines will need to be furnished to the District by the Developer's engineer. These Plans will need to show the location of all lines, line sizes, profile of sewer, fittings, and water service connection sizes, locations and type.

It is my recommendation that the Magna Water District Board approve providing water and sewer services to this Development. If you have any questions or concerns, please contact me at 801-250-6279.

Sincerely,

A handwritten signature in blue ink, appearing to read "Trevor Andra".

Trevor Andra, P.E.
Magna Water District
District Engineer



Development Name:
FLANGAS TOWNHOMES PUD

Address: 2943 South Dora Street

Number of Units: 10

SEAL MASTER



BOARD OF TRUSTEES
Mick Sudbury, Chairman
Jeff White
Dan L. Stewart

GENERAL MANAGER
Clint Dilley, P.E.

September 8, 2022

Clint Dilley, P.E.
Magna Water District
8885 West 3500 South
P.O. Box 303
Magna, UT 84044

Subject: SealMaster Subdivision – Water & Sewer Availability

Clint,

We have completed our preliminary review of the proposed SealMaster Subdivision development located at 6778 W 2100 S. (SR-201 North Frontage Rd.) Our determination of water and sewer availability is as follows:

EXISTING FACILITIES

- | | |
|-----------|--|
| WATER | Water service is available near the development. There is an 8-inch water line looped through the existing site that connects to an existing 12-inch water line in SR-201 North Frontage Road. |
| SEWER | Sewer service is available near the development. There is a 21-inch sanitary sewer line located in SR-201 North Frontage Road south of the proposed development. |
| SEC WATER | Secondary water service is not currently available to the development. There is an 8-inch “dry” secondary water line in SR-201 North Frontage Road south of the proposed development. |

RECOMMENDATIONS

- | | |
|-----------|--|
| WATER | Connect to, modify, and utilize the existing 8-inch water line that is looped through the existing site. Extend water service to lots. |
| SEWER | Connect to the existing 8-inch sanitary sewer line located in SR-201 North Frontage Road and extend required sewer service to the development. |
| SEC WATER | Connect to existing “dry” 8-inch secondary water line in SR-201 North Frontage Road and extend an 8-inch secondary water line through development. Extend “dry” secondary water service to lots. |

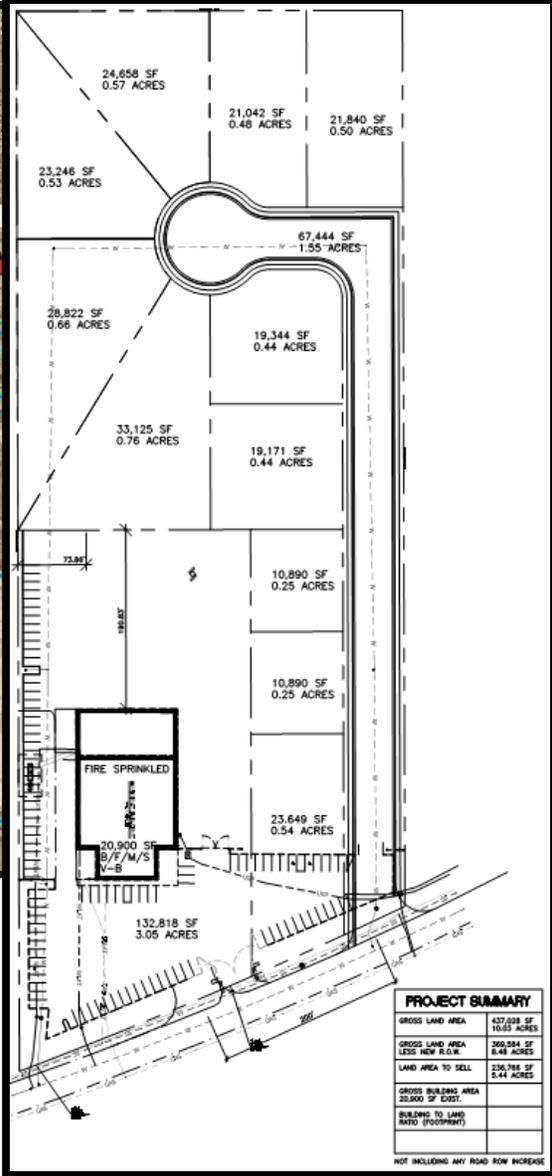
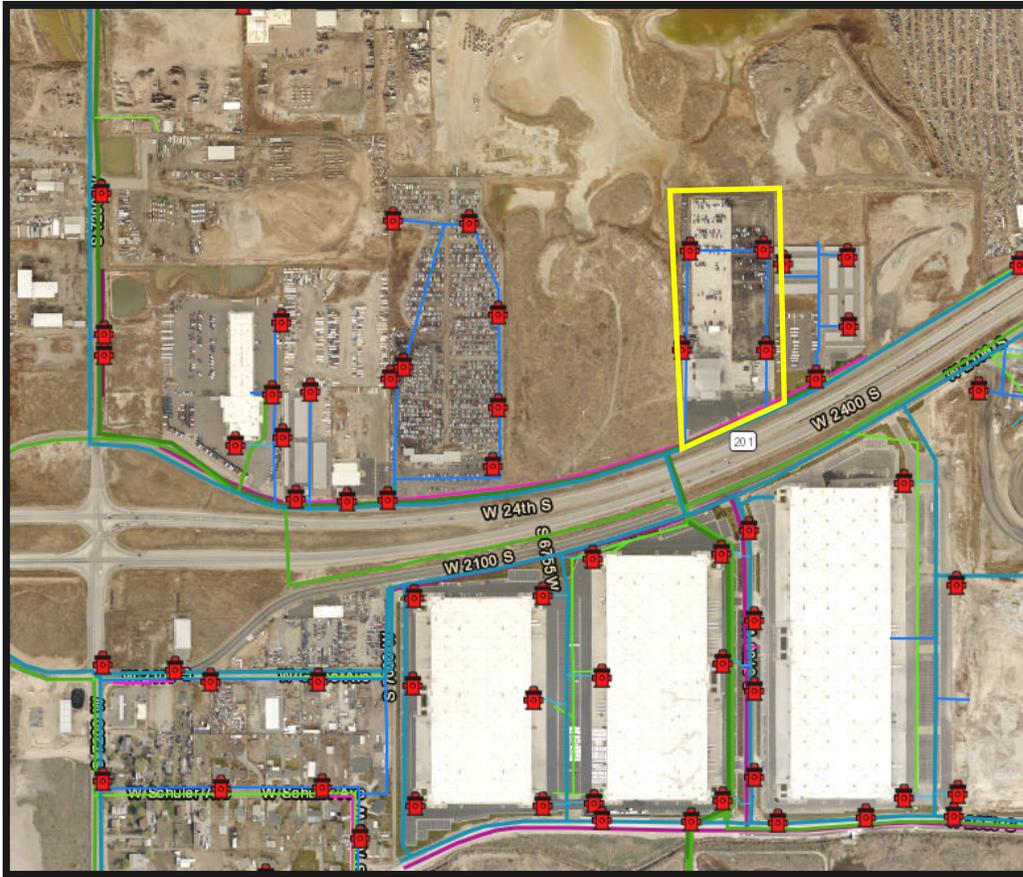
Plans showing the water and sewer lines will need to be furnished to the District by the Developer's engineer. These Plans will need to show the location of all lines, line sizes, profile of sewer, fittings, and water service connection sizes, locations and type.

It is my recommendation that the Magna Water District Board approve providing water and sewer services to this Development. If you have any questions or concerns, please contact me at 801-250-6279.

Sincerely,

A handwritten signature in blue ink, appearing to read "Trevor Andra".

Trevor Andra, P.E.
Magna Water District
District Engineer



Development Name:
SealMaster Subdivision

Address: 6778 W. SR-201 North Frontage Rd.

Number of Lots: 11



VEHICLE LEASE



Vehicle Locator

Dealer Information

SALT LAKE VALLEY CHEVROLET
 4050 W 3500 S
 WEST VALLEY CITY, UT 84120
 Phone: 801-969-8221
 Fax: 801-955-3822

Your Cost ~~\$51,080~~ *ex*
Sales Tax *Exempt*
License & Reg *234.25*

51,314.25

3GCUDAED9NG617830

Model Year: 2022
 Make: Chevrolet
 Model: 1500 Silverado
 CK10543-4WD, Short Crew
 PEG: 1WT-Work Truck Preferred Equipment Group
 Primary Color: GAN-Silver Ice Metallic
 Trim: H1T-1WT/1FL-Cloth, Jet Black, Interior Trim
 Engine: L84-Engine: 5.3L, EcoTec3 V-8, DI, Dynamic Fuel
 Mgt, V V T
 Transmission: MHT-10-Speed Automatic

Event Code: 5000-Delivered to Dealer
 Order #: BQWFRT

Order Type: TRE-Retail Stock
 Stock #: C3775A
 Inventory Status: Available
 Total Cash Allowance: N/A

Total Cash Allowance: N/A

Additional Vehicle Information

GM Marketing Information

Vehicle Options

Chargeable Options	MSRP
00Y-CREDIT - NOT EQUIPPED WITH REAR PARK ASSIST; INCLUDES LATER RETROFIT	-\$50.00
1SZ-WT VALUE PACKAGE DISCOUNT	-\$500.00
B30-Floor Covering: Carpet, Color Keyed	\$100.00
K14-120 Volt Electrical Receptacle, In Cab	\$225.00
KSG-Adaptive Cruise Control	\$725.00
L84-Engine: 5.3L, EcoTec3 V-8, DI, Dynamic Fuel Mgt, V V T	\$1,595.00
PEB-1WT Value Package	\$965.00
PQA-1WT/1FL Safety 1 Package	\$1,035.00
QT5-Tailgate Function--EZ Lift, Power Lock & Release	\$150.00
R30-Tires: LT275/65 R18 "C" All Terrain, Blackwall	\$495.00
R7N-CREDIT - NOT EQUIPPED WITH STEERING COLUMN LOCK	-\$50.00
RCV-Wheels: 18" Aluminum Bright Silver	\$650.00
RFO-CREDIT - NOT EQUIPPED WITH REAR USB PORTS	-\$25.00
U2K-SiriusXM Satellite Radio (subscription)	\$100.00
UE1-OnStar Communication System	\$175.00
YK9-CREDIT - NOT EQUIPPED WITH DYNAMIC FUEL MANAGEMENT	-\$50.00
Z71-Suspension Package: Off-Road	\$945.00

No Cost Options

C5Y-GVW Rating 7100 Lbs
 FE9-Federal Emissions
 GU5-Rear Axle: 3.23 Ratio
 MHT-10-Speed Automatic

Other Options

1WT-Work Truck Preferred Equipment Group	AKO-Glass, Deep Tinted
AQQ-Keyless Remote Entry	AU3-Power Door Locks
AZ3-Seats: Front 40/20/40 Split-Bench, Full Feature	C49-Defogger, Rear Window, Electric
DLF-Mirrors, O/S: Power, Heated	DP6-Mirrors, Outside, Body Color Cap
E63-Durabed	G80-Auto Locking Differential, Rear
GAN-Silver Ice Metallic	H1T-1WT/1FL-Cloth, Jet Black, Interior Trim
IOR-Chevrolet Infotainment, 7" Color Screen	JHD-Hill Descent Control
K47-Heavy Duty Air Filter	KC4-Cooler, Engine Oil
KNP-Transmission Cooling System	KW7-Alternator, 170 AMP
NQH-Transfer Case: Active, 2-Speed, Auotrac, Rotary Dial	NZZ-Skid Plate
PCV-1WT Convenience 1 Package	QK1-Standard Tailgate
R6Y-OPD / Focused Ordering Configuration Not Desired	SAF-Spare Tire Lock
TQ5-Headlamps, Intellibeam	UBI-2-USBs, Second Row Charge/Data Ports
UD7-Rear Parking Assist Sensors	UE4-Following Distance Indicator
UEU-Sensor, Forward Collision Alert	UHX-Lane Keep Assist/Departure Warning
UHY-Automatic Emergency Braking	UKJ-Sensor, Front Pedestrian Braking
UKK-Sensor, Pedestrian Detection	UQF-Speaker System: Standard Sound System
UVB-Rear Vision Camera, HD	V46-Bumper, Front, Chrome
V76-Recovery Hooks	VJH-Bumper, Rear, Chrome Step
VK3-Front License Plate Mounting Provisions	XCQ-Tire, Spare: 265/70 R17 All Season, Blackwall
Z82-Trailer Package	

"~" indicates vehicle belongs to Trading Partner's inventory

Disclaimer:

GM has tried to make the pricing information provided in this summary accurate. Please refer to actual vehicle invoice, however, for complete pricing information. GM will not make any sales or policy adjustments in the case of inaccurate pricing information in this summary.



Vehicle Locator

Dealer Information

LARRY H. MILLER CHEVROLET MURRAY
5500 S STATE ST
MURRAY, UT 84107
Phone: 801-264-3200
Fax: 801-264-3218

1GCUDEED2NZ573063

Model Year: 2022
Make: Chevrolet
Model: 1500 Silverado
CK10543-4WD, Short Crew
PEG: 1SP-RST Preferred Equipment Group
Primary Color: GAN-Silver Ice Metallic
Trim: H0U-1WT/1LT/1SP/2LT/1FL/1LS-Cloth, Jet Black, Interior Trim
Engine: L84-Engine: 5.3L, EcoTec3 V-8, DI, Dynamic Fuel Mgt, V V T
Transmission: MHT-10-Speed Automatic

Event Code: 5000-Delivered to Dealer
Order #: BQQBN9

UNIT PRICING UNDER STATE CONTRACT AS SPEC'D

\$55,494.00

STATE CONTRACT #MA3793

Additional Vehicle Information

GM Marketing Information

Vehicle Options

Chargeable Options	MSRP
1SZ-Z71 OFF-ROAD & PROTECTION PACKAGE DISCOUNT	-\$500.00
JL1-Integrated Trailer Brake Controller	\$275.00
NZN-Wheels, 20" Painted Aluminum With Grazen Pockets	\$800.00
PDZ-Off-Road and Protection Package	\$1,910.00
R7N-CREDIT - NOT EQUIPPED WITH STEERING COLUMN LOCK	-\$50.00
YK9-CREDIT - NOT EQUIPPED WITH DYNAMIC FUEL MANAGEMENT	-\$50.00

No Cost Options

B1J-Liner, Rear Wheelhouse
 C5Y-GVW Rating 7100 Lbs
 FE9-Federal Emissions
 GU5-Rear Axle: 3.23 Ratio
 L84-Engine: 5.3L, EcoTec3 V-8, DI, Dynamic Fuel Mgt, V V T
 MHT-10-Speed Automatic
 PCL-1LT/1SP/2LT Convenience 1 Package
 PDU-1LT/1SP All-Star Edition

Other Options

1SP-RST Preferred Equipment Group	A2X-Power Seat Adjuster (Driver's Side)
AAK-LPO- Floor Liners, 1st&2nd Row, All-Weather, with logo	AKO-Glass, Deep Tinted
AU3-Power Door Locks	AVJ-Keyless Open & Keyless Start
AZ3-Seats: Front 40/20/40 Split-Bench, Full Feature	B30-Floor Covering: Carpet, Color Keyed
BTV-Remote Engine Starting Pkg	C49-Defogger, Rear Window, Electric
CGN-Chevytec Spray-on Liner	CJ2-Climate Control, Electronic - Multi-zone
DLF-Mirrors, O/S: Power, Heated	DP6-Mirrors, Outside, Body Color Cap
E63-Durabed	G80-Auto Locking Differential, Rear
GAN-Silver Ice Metallic	H0U-1WT/1LT/1SP/2LT/1FL/1LS-Cloth, Jet Black, Interior Trim
IOK-Chevrolet Infotainment, Enhanced connectivity 2.0	JHD-Hill Descent Control
K34-Cruise Control	K47-Heavy Duty Air Filter
KA1-Heated Seats, Front	KC4-Cooler, Engine Oil
KI3-Heated Steering Wheel	KI4-120 Volt Electrical Receptacle, In Cab
KNP-Transmission Cooling System	KW7-Alternator, 170 AMP
N10-Dual Exhaust System	NP5-Steering Wheel: Leather Wrapped
NQH-Transfer Case: Active, 2-Speed, Auotrac, Rotary Dial	NZZ-Skid Plate
QAE-Tires: 275/60 R20 All Terrain, Blackwall	QAQ-Tire, Spare: 255/80 R17 All Season, Blackwall
QK1-Standard Tailgate	QT5-Tailgate Function--EZ Lift, Power Lock & Release
RFQ-Focused Ordering Configuration	SAF-Spare Tire Lock
T3U-LED Fog Lamps, Front	TQ5-Headlamps, Intellibeam
U2K-SiriusXM Satellite Radio (subscription)	UBI-2-USBs, Second Row Charge/Data Ports
UE1-OnStar Communication System	UE4-Following Distance Indicator
UEU-Sensor, Forward Collision Alert	UF2-Lighting, Cargo Box, LED
UHX-Lane Keep Assist/Departure Warning	UHY-Automatic Emergency Braking
UK3-Radio Controls -Steering Wheel	UKJ-Sensor, Front Pedestrian Braking
UQF-Speaker System: Standard Sound System	UTJ-Theft Protection System, Unauthorized Entry
UVB-Rear Vision Camera, HD	V76-Recovery Hooks
VK3-Front License Plate Mounting Provisions	WPQ-1LT/1SP/2LT Bed Protection Package
YM8-LPO Processing Option	Z71-Suspension Package: Off-Road
Z82-Trailer Package	

"~" indicates vehicle belongs to Trading Partner's inventory

Disclaimer:

GM has tried to make the pricing information provided in this summary accurate. Please refer to actual vehicle invoice, however, for complete pricing information. GM will not make any sales or policy adjustments in the case of inaccurate pricing information in this summary.

Ken Grauff Government Price \$48,732.00 State Contract MA3790

KTP-001535 UT 9-NORMAL, NB, 201535, NH252 8462

ULC CERT CERT CERT TRD RAMP BUMP CAMP BOOK EXPL ROTA

007912 1445/1605 1FT7W2BN7 NEF42496 NB



Go Further
ford.com

VEHICLE DESCRIPTION

SUPER DUTY

2022 F250 SRW 4X4 CREW CAB
XL 176" WB STYLE SIDE
7.3L DEVCT NA PFI V8 ENGINE
10-SPEED AUTOMATIC

EXTERIOR OXFORD WHITE
INTERIOR MEDIUM EARTH GRAY CLOTH

NE F42496

STANDARD EQUIPMENT INCLUDED AT NO EXTRA CHARGE

EXTERIOR

- BOX RAIL/TAILORED MOLDINGS
- DOOR HANDLES - BLACK
- HEADLAMPS - AUTOLAMP (ON/OFF)
- LOCKING REMOVABLE TAILGATE
- PICKUP BOX, TIE DOWN HOOKS
- -NA W/BOX DLT
- SPARE TIRE AND WHEEL LOCK
- -NA W/BOX DLT
- TOW HOOKS
- TRAILER SWAY CONTROL
- WIPERS- INTERMITTENT

INTERIOR

- 60/40 REAR BENCH W/FLIP-UP /FLIP-DOWN W/ HEAD RSTRNT
- AIR COND, MANUAL FRONT
- DRIVER SEAT-MANUAL LUMBAR
- OUTSIDE TEMP DISPLAY
- PARTICULATE AIR FILTER
- STEERING - TILT/TELESCOPIC WHEEL WITH AUDIO
- VINYL SUN VISORS

FUNCTIONAL

- 4-WHEEL ANTILOCK BRAKE SYS
- FORDPASS™ CONNECT
- HILL START ASSIST
- JEWEL EFFECT HEADLAMPS
- MANUAL LOCKING HUBS
- MONO BEAM COIL SPRING FRT SUSPENSION W/STAB BAR
- MYKEY®
- REAR VIEW CAMERA
- NA W/BOX DLT

SAFETY/SECURITY

- ADVANCETRAC™ WITH RSC®
- AIRBAGS - SAFETY CANOPY®
- BELT-MINDER CHIME
- DRIVER/PASSENGER AIR BAGS
- SECURILOCK® ANTI-THEFT SYS
- SOS POST-CRASH ALERT SYS™

WARRANTY

- 3YR/36,000 BUMPER / BUMPER
- 5YR/60,000 POWERTRAIN
- 5YR/60,000 ROADSIDE ASSIST
- 5YR/100,000 DIESEL ENGINE

INCLUDED ON THIS VEHICLE

(MSRP)

OPTIONAL EQUIPMENT/OTHER

- PREFERRED EQUIPMENT PKG.600A 2,045.00
- 7.3L DEVCT NA PFI V8 ENGINE NO CHARGE
- 10-SPEED AUTOMATIC 265.00
- LT275/70R18E BSW ALL TERRAIN 430.00
- 3.55 ELECTRONIC-LOCKING AXLE POWER EQUIPMENT GROUP 1,350.00
- FRONT LICENSE PLATE BRACKET NO CHARGE
- STX APPEARANCE PACKAGE 2,010.00
- .CRUISE CONTROL
- .BRIGHT GRILLE
- .SILVER CAST ALUM WHEELS-18" FX4 OFF-ROAD PACKAGE 495.00
- .SKID PLATES - 20.00
- 4G LTE WI-FI HOTSPOT REMOVAL
- 10000# GVWR PACKAGE
- SIRIUSXM - SVC N/A AK&HI 185.00
- ENGINE BLOCK HEATER 100.00
- 50 STATE EMISSIONS NO CHARGE
- 110V/400W OUTLET NO CHARGE
- SNOW PLOW PREP PACKAGE 250.00
- SPARE TIRE AND WHEEL NO CHARGE
- TRAILER BRAKE CONTROLLER 300.00
- TELESCPING TT MIRR-POWR/HTD SIG JACK
- UPFITTER SWITCHES 165.00
- 397 AMP ALTERNATOR 115.00
- DUAL BATTERY 210.00
- CLOTH 40/20/40 SEAT 315.00
- SYNC 3 450.00

PRICE INFORMATION

BASE PRICE \$45,045.00
TOTAL OPTIONS/OTHER 8,665.00
TOTAL VEHICLE & OPTIONS/OTHER DESTINATION & DELIVERY 53,710.00
1,795.00

California Air Resources Board

Gasoline Vehicle

Environmental Performance

These ratings are not directly comparable to the U.S. EPA/DOT light-duty vehicle label ratings. For information on how to compare, please see www.arb.ca.gov/ep_label.

Protect the environment. Choose vehicles with higher ratings:

Greenhouse Gas Rating (tailpipe only)

Smog Rating (tailpipe only)



Vehicle emissions are a primary contributor to climate change and smog. Ratings are determined by the California Air Resources Board based on this vehicle's measured emissions.



GOVERNMENT 5-STAR SAFETY RATINGS

Overall Vehicle Score ★ ★ ★ ★ ★

Based on the combined ratings of frontal, side and rollover. Should ONLY be compared to other vehicles of similar size and weight.

Frontal Crash Driver Passenger ★ ★ ★ ★ ★
★ ★ ★ ★ ★

Based on the risk of injury in a frontal impact. Should ONLY be compared to other vehicles of similar size and weight.

Side Crash Front seat Rear seat ★ ★ ★ ★ ★
★ ★ ★ ★ ★

Based on the risk of injury in a side impact.

Rollover ★ ★ ★

Based on the risk of rollover in a single-vehicle crash.

Star ratings range from 1 to 5 stars (★ ★ ★ ★ ★), with 5 being the highest.

Source: National Highway Traffic Safety Administration (NHTSA).
www.safercar.gov or 1-888-327-4236



The FordPass™ Connect modern is active and sending vehicle data (e.g., diagnostics) to Ford.™ See in-vehicle settings for connectivity options.

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Map & Data rates may apply. Text HELP for help



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SPECIAL ORDER

NH252 N RB 2X 265 001535 08 25 22



1995 N. University Parkway • Provo, UT 84604
main: 801-356-4200
www.larryhmillervfordprovo.com

9/1/2022

Raymond
Magna Water District
8885 W 3500 S, Magna, UT 84044

F150 Bid

2022 F150 XL 4 Door Supercrew Vin NFB36099 \$41,981

Specifications per attached MSRP printout

available until sold

2023 would be 4 to 6 month delivery



Joel L Bridges
Fleet Manager





Go Further

ford.com

VEHICLE DESCRIPTION

F-150

2022 F-150 4X4 SUPERCREW
145" WHEELBASE
3.5L V6 ECOBOOST
ELEC TEN-SPEED AUTO W/TOW M

NF B36099

EXTERIOR
ICONIC SILVER METALLIC
INTERIOR
DARK SLATE CLOTH 40/20/40

STANDARD EQUIPMENT INCLUDED AT NO EXTRA CHARGE

EXTERIOR

- DAYTIME RUNNING LAMPS
- EASY FUEL® CAPLESS FILLER
- FULLY BOXED STEEL FRAME
- HALOGEN HEADLAMPS
- HEADLAMPS - AUTO HIGH BEAM
- HEADLAMPS - AUTOLAMP (ON/OFF)
- LOCKING REMOVABLE TAILGATE
- PICKUP BOX TIE DOWN HOOKS
- TRAILER SWAY CONTROL
- WIPERS- INTERMITTENT

INTERIOR

- 4" PRODUCTIVITY SCREEN
- 60/40 FOLD-UP REAR BENCH SEAT
- DUAL SUNVISORS
- MESSAGE CTR: OUTSIDE TEMP, COMPASS, TRIP COMPUTER
- POWERPOINTS - 12V
- TILT/TELESCOPE STR COLUMN

FUNCTIONAL

- AUTO HOLD
- CURVE CONTROL
- DYNAMIC HITCH ASSIST
- ELECT 4X4 SHIFT-ON-FLY
- FAIL-SAFE COOLING SYSTEM
- FORDPASS CONNECT™ 4G HOTSPOT TELEMATICS MODEM
- GAS-CHARGED SHOCKS
- OUTBOARD MNTD REAR SHOCKS
- PRE-COLLISION ASSIST W/AEB
- PWR RACK AND PINION STEER
- REAR VIEW CAMERA
- SELECTSHIFT®

SAFETY/SECURITY

- ADVANCETRAC™ WITH RSC®
- AIRBAGS - FRONT SEAT MOUNTED SIDE IMPACT
- AIRBAGS - SAFETY CANOPY®
- CTR HIGH MOUNT STOP LAMP
- SECURILOCK® ANTI-THEFT SYS
- SOS POST-CRASH ALERT SYSTM™
- TIRE PRESSURE MONIT SYS

WARRANTY

- 3YR/36,000 BUMPER / BUMPER
- 5YR/60,000 POWERTRAIN
- 5YR/60,000 ROADSIDE ASSIST
- 8YR/100,000 HYBRID BATTERY

INCLUDED ON THIS VEHICLE

EQUIPMENT GROUP 101A

- XL SERIES
- XL POWER EQUIPMENT GROUP
- CRUISE CONTROL
- REVERSE SENSING SYSTEM

(MSRP)

920.00

OPTIONAL EQUIPMENT/OTHER

- .17" SILVER STEEL WHEELS
- 3.5L V6 ECOBOOST
- .265/70R 17 BSW ALL-TERRAIN
- 3.31 ELECTRONIC LOCK RR AXLE
- 7050# GVWR PACKAGE
- FRONT LICENSE PLATE BRACKET
- BLACK PLATFORM RUNNING BOARDS
- 50 STATE EMISSIONS
- AUTO START-STOP REMOVAL
- TRAILER TOW PACKAGE
- .INTEGRATED TRAILER BRAKE CONT
- FX4 OFF-ROAD PACKAGE
- .SKID PLATES

2,735.00

NO CHARGE

NO CHARGE

250.00

NO CHARGE

50.00

1,325.00

1,095.00

PRICE INFORMATION

BASE PRICE \$42,425.00
TOTAL OPTIONS/OTHER 6,275.00

TOTAL VEHICLE & OPTIONS/OTHER 48,700.00
DESTINATION & DELIVERY 1,795.00

TOTAL BEFORE DISCOUNTS 50,495.00

XL HIGH DISCOUNT - 750.00

TOTAL SAVINGS - 750.00

EPA DOT

Fuel Economy and Environment



Gasoline Vehicle

Fuel Economy



19 MPG

combined city/hwy

17

city

23

highway

5.3 gallons per 100 miles

Standard Pickup Trucks range from 12 to 70 MPG. The best vehicle rates 142 MPGe.

You spend \$2,750

more in fuel costs over 5 years compared to the average new vehicle.

Annual fuel cost

\$1,850

Fuel Economy & Greenhouse Gas Rating (tailpipe only)



Smog Rating (tailpipe only)



This vehicle emits 467 grams CO₂ per mile. The best emits 0 grams per mile (tailpipe only). Producing and distributing fuel also create emissions; learn more at fueleconomy.gov.

Actual results will vary for many reasons, including driving conditions and how you drive and maintain your vehicle. The average new vehicle gets 27 MPG and costs \$6,500 to fuel over 5 years. Cost estimates are based on 15,000 miles per year at \$2.35 per gallon. MPGe is miles per gasoline gallon equivalent. Vehicle emissions are a significant cause of climate change and smog.

fueleconomy.gov

Calculate personalized estimates and compare vehicles

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GOVERNMENT 5-STAR SAFETY RATINGS

Overall Vehicle Score ★ ★ ★ ★ ★

Based on the combined ratings of frontal, side and rollover. Should ONLY be compared to other vehicles of similar size and weight.

Frontal Crash Driver ★ ★ ★ ★ ★
Passenger ★ ★ ★ ★ ★

Based on the risk of injury in a frontal impact. Should ONLY be compared to other vehicles of similar size and weight.

Side Crash Front seat ★ ★ ★ ★ ★
Rear seat ★ ★ ★ ★ ★

Based on the risk of injury in a side impact.

Rollover ★ ★ ★ ★

Based on the risk of rollover in a single-vehicle crash.

Star ratings range from 1 to 5 stars (★ ★ ★ ★ ★), with 5 being the highest.

Source: National Highway Traffic Safety Administration (NHTSA).

www.safercar.gov or 1-888-327-4236

1FTFW1E88NFB36099



WARNING: Operating, servicing and maintaining a passenger vehicle, pickup truck, van, or off-road vehicle can expose you to chemicals including engine exhaust, carbon monoxide, phthalates, and lead, which are known to the State of California to cause cancer and birth defects or other reproductive harm. To minimize exposure, avoid breathing exhaust, do not idle the engine except as necessary, service your vehicle in a well-ventilated area and wear gloves or wash your hands frequently when servicing your vehicle. For more information go to www.P65Warnings.ca.gov/passenger-vehicle.

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RAMP ONE

RA26

RAMP TWO

RAIL

ITEM #:

56-J132 O/T 1

TOTAL MSRP \$49,745.00



Whether you decide to lease or finance your vehicle, you'll find the choices that are right for you. See your dealer for details or visit www.ford.com/finance.

SPECIAL ORDER

NE023 N RB 2X 245 003537 05 02 22

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EPIC ENGINEERING

MAGNA WATER DISTRICT

Zone 3 Secondary Water Storage Reservoir

Prepared by Epic Engineering P.C.

8/31/2022

Total Estimated Cost: \$141,700.00

Task No.	Description	Hours	Cost	Principal in Charge	Project Manager	Engineer II P.E.	Engineer II F.E.	Clerical	Consultant Fees
				\$216.00	\$169.00	\$131.00	\$121.00	\$71.00	
100	Reservoir Design								
101	Kickoff & Progress Meetings & Coordination	12.0	\$1,521.00	1.0	3.0	3.0	1.0	4.0	
102	Data Collection/Utility Search	10.0	\$1,288.00		1.0	3.0	6.0		
103	Parcel Boundary Work, Legal Descriptions & Easements	5.0	\$5,693.00		1.0	4.0			\$ 5,000.00
104	Review Geotechnical Report provided by Owner	5.5	\$839.00	0.5	2.0	3.0			
105	Identify Preliminary Piping Alignments/Sizes & Outlet Structure Location	18.0	\$2,314.00		2.0	4.0	12.0		
106	Finalize Optimal Embankment & Reservoir Level Elevations	7.0	\$915.00		1.0	2.0	4.0		
107	Hydraulic Modeling - Model System Per Final Elevations	8.5	\$1,232.00	0.5	2.0	6.0			
108	Update Cross Sections, Fill Quantities, & Prelim Cost Estimate	14.0	\$1,830.00		2.0	4.0	8.0		
109	Correspondence w/ Dam Safety	8.0	\$1,124.00		2.0	6.0			
110	Correspondence w/ KUC	8.0	\$1,124.00		2.0	6.0			
111	Research State Code Compliance for Reuse Reservoirs	10.0	\$1,288.00		1.0	3.0	6.0		
112	30% Design Review	12.5	\$1,813.50	2.0	2.0	4.0	4.0	0.5	
113	60% Design Review	39.0	\$5,651.00	4.0	9.0	12.0	14.0		
114	Structural Design - Reservoir Outlet & Diversion Structures	19.0	\$2,641.00		4.0	15.0			
115	Civil Design	46.0	\$6,634.00		16.0	30.0			
116	Mechanical & Utility Design	46.0	\$6,634.00		16.0	30.0			
117	Electrical & Instrumentation Design	12.0	\$1,970.00	2.0	6.0	4.0			
118	Landscaping Design	7.0	\$955.00		1.0	6.0			
119	Drawings	206.0	\$26,094.00		16.0	40.0	150.0		
120	90% Design Review	16.0	\$2,262.00	2.0	2.0	4.0	8.0		
121	100% Design Review	12.0	\$1,696.50	1.5	1.5	3.0	6.0		
122	Technical Specifications	14.0	\$1,925.00	1.0	2.0	4.0	7.0		
123	Engineers estimate of construction costs	10.0	\$1,288.00		1.0	3.0	6.0		
124	West Valley City Excavation Permit	13.0	\$1,824.00	1.0	2.0	6.0	4.0		
125	Flood Control Permit - corresp, coordination, & design changes	18.0	\$2,640.00	2.0	4.0	8.0	4.0		
126	MWD Plan Approval	9.0	\$1,262.00	1.0	1.0	3.0	4.0		
	<i>SUB-TOTAL</i>	<i>585.5</i>	<i>\$84,458.00</i>	18.5	102.5	216.0	244.0	4.5	5000.0
	<i>Indirect Costs</i>		<i>\$5,067.48</i>						
	<i>TOTAL for Task 100</i>		<i>\$89,525.48</i>						
200	Pipeline Design								
201	Data Collection/Utility Search	10.0	\$1,298.00		1.0	4.0	5.0		
202	Survey Control & Topo	5.0	\$2,693.00		1.0	4.0			\$ 2,000.00
203	Research Existing Utility Easements	5.0	\$1,193.00		1.0	4.0			\$ 500.00
204	Identify Alignment	28.0	\$3,840.00	2.0	4.0	7.0	15.0		
205	30% Design Review	12.0	\$1,778.00	2.0	2.0	4.0	4.0		
206	60% Design Review	28.0	\$3,993.00	3.0	5.0	8.0	12.0		
207	Drawings	144.0	\$19,164.00	4.0	20.0	40.0	80.0		
208	90% Design Review	16.0	\$2,262.00	2.0	2.0	4.0	8.0		
209	100% Design Review	12.0	\$1,696.50	1.5	1.5	3.0	6.0		
210	Technical Specifications	14.0	\$1,925.00	1.0	2.0	4.0	7.0		
211	Engineer's Estimate for construction costs	8.0	\$1,046.00		1.0	3.0	4.0		
212	Coordinate with governing agency	6.0	\$784.00		1.0	1.0	4.0		
	<i>SUB-TOTAL</i>	<i>288.0</i>	<i>\$41,672.50</i>	15.5	41.5	86.0	145.0	0.0	\$ 2,500.00
	<i>Indirect Costs</i>		<i>\$2,500.35</i>						
	<i>TOTAL for Task 200</i>		<i>\$44,172.85</i>						
300	Bidding & Award								
301	Advertise, Bidder Questions, Addenda	19.5	\$2,669.00	0.5	4.0	7.0	8.0		
302	Pre-bid Meeting	12.0	\$1,646.00		3.0	5.0	4.0		
303	Review Bids & Recommend Award	10.5	\$1,494.00	0.5	2.0	8.0			
304	Generate Conformed Set of Construction Drawings	13.5	\$1,769.00	0.5	1.0	4.0	8.0		
	<i>SUB-TOTAL</i>	<i>55.5</i>	<i>\$7,578.00</i>	1.5	10.0	24.0	20.0	0.0	\$ -
	<i>Indirect Costs</i>		<i>\$423.67</i>						
	<i>TOTAL for Task 300</i>		<i>\$8,001.67</i>						
SCHEDULE "A" MAN-HOUR/ TASK COST TOTALS		929.0	\$141,700.00	35.5	154.0	326.0	409.0	4.5	7500.0

IGES



Intermountain GeoEnvironmental Services Inc.
2702 South 1030 West, Suite 10, South Salt Lake, Utah 84119 ~ T: (801) 270-9400

August 15, 2022

c/o Trevor Andra, PE
District Engineer
8885 West 3500 South
Magna, Utah 84044
trevor@magnawater.com

Subject: Proposal for Geotechnical Services
Zone 3 Storage Reservoir
Approximately 4600 South 8460 West
Magna, Utah

Mr. Andra:

Intermountain GeoEnvironmental Services, Inc. (IGES) is pleased to present our proposal to conduct a geotechnical investigation for the proposed Zone 3 Storage Reservoir, located at approximately 4600 South 8460 West, in Magna, Utah. This proposal was prepared pursuant to your request and is based on information provided by you. This proposal outlines our proposed scope of work to provide a geotechnical investigation for the proposed improvements, which will include providing recommendations for the design and construction of a lined reservoir using native site soils.

PROJECT UNDERSTANDING

The project site identified for proposed construction was identified by Epic Engineering in January 2019. It is currently an undeveloped parcel adjacent to other facilities maintained by the Magna Water District (MWD) along the Oquirrh Foothills in western Salt Lake Valley. The project is currently in the early planning stages; however, we anticipate that the reservoir will be constructed by cutting into the hillside and using spoils to create a downhill embankment. Seepage from the pond will need to be limited and we anticipate the reservoir will be lined using compacted clay derived from excavations at the site if possible. Based on elevation data obtained from topographic maps and preliminary design information, we anticipate a crest (max fill) elevation of 4798 feet the reservoir floor established approximately 15 feet lower (elevation 4787-ft) resulting in maximum cut/fill heights of approximately 12 feet. Design grading plans for the project have not been provided at this time but previously constructed MWD reservoirs used for similar purpose have implemented 2H:1V exterior cut slopes, 3H:1V interior cut/fill slopes and 4:H:1V exterior fill slopes.

A qualitative assessment of geologic hazards will be required for informational purposes, but the location of the proposed reservoir has been selected and it will not be moved to avoid potential hazards. Upon review of the *Liquefaction Special Study Areas* map for the Wasatch Front (Christenson and Shaw, 2008), the site is located within an area designated as having a “very low” liquefaction potential so a quantitative liquefaction assessment will not be required.

The site is located west of Bacchus Highway (U-111) and adjacent to a natural drainage channel. Mining



operations and materials handling along the Oquirrh foothills has resulted in contamination of soils (elevated Lead and Arsenic) along some drainage channels. We do not anticipate that the reservoir will encroach on the natural channel, nor are there any facilities within 4-5 miles of the reservoir site. Therefore, we do not plan to sample and test for contaminated soils. If the site of the proposed reservoir is moved prior to our investigation, we will review the new location and revisit the potential need for environmental sampling.

SCOPE OF WORK

Our scope of work will be tailored to address the geotechnical engineering issues for the proposed construction including recommendations for excavation, grading, drainage, earthwork and foundation construction. In addition, geologic hazards must be addressed in conformance with the standard of care. Our services will be performed in a phased approach, described in the following paragraphs.

PHASE 1: GEOTECHNICAL SUBSURFACE INVESTIGATION

Three borings and four to six test pits will be completed within, or as close as possible, to the reservoir footprint. The borings will be completed to at least 30-feet below existing grade and the test pits will be completed to at least 10- to 12-feet below grade. The purpose of the borings will be to provide data for evaluation of cut and fill slope stability. Boring samples will be retrieved at 2.5 to 5-foot intervals to full depth of exploration. Samples will be obtained with split spoons, large diameter split spoons (California or Type-U), or (as determined in the field to be applicable) a Shelby Tube. Test pit explorations will be completed to observe and document excavation conditions and to collect bulk samples for evaluation of native soils for possible reuse in embankment and liner construction. Based on a brief review of geologic mapping and our experience in the area, we do not anticipate encountering shallow groundwater at the site.

This fieldwork will be performed under the direction of a member of our technical staff who will log the encountered subsurface conditions visually classify soils and package samples for testing.

A full environmental characterization of soils will not be performed with this geotechnical evaluation; however, depending on the final location of the reservoir, it is possible that additional sampling/testing will be recommended.

We anticipate that coordination with the property owner will be necessary but that no encroachment permits will be needed from Magna City or UDOT; we do not anticipate working in any public road right-of-way.

PHASE 2: LABORATORY TESTING

Appropriate laboratory tests will be performed on soil samples obtained from the field investigation described above. Specific laboratory tests will be dependent on actual soil conditions encountered at the site; however, tests currently envisioned are summarized as follows:

- Moisture and density



- Particle Size Analysis
- Atterberg Limits (Liquid and Plastic)
- Soil strength testing (typically direct shear) on native and remolded samples
- Hydraulic conductivity of native and remolded site soils (backpressure permeability)
- Compressibility of soils (typically Consolidation Testing)
- Soil chemistry (pH, soluble sulfate, resistivity)

The laboratory testing program will be tailored primarily to assess engineering strength values for evaluation cut/fill stability and to make necessary recommendations for earthwork and embankment design/construction. In addition to actual strength/compressibility testing, index testing (grain size, moisture, density, plasticity) testing will be performed to aid in understanding the suitability of materials for the proposed construction.

PHASE 3: REPORT AND RECOMMENDATIONS

The results of our investigation, laboratory testing, and engineering analyses will be presented a single submittal to address geotechnical engineering, seepage, slope stability and geologic hazards at the site. The report will include, at a minimum, the following:

- A site vicinity map and exploration map showing the location of site investigations.
- Logs of explorations.
- A detailed description of surface and subsurface conditions encountered.
- A qualitative assessment of the potential for geologic hazards, including liquefaction and surface-fault-rupture, to adversely affect the site, and recommendations for mitigation an/or additional evaluation of identified hazards.
- A summary of laboratory test data.
- Discussions of site-specific soil and/or groundwater conditions that may impact proposed cut, fill and embankment construction.
- Static and seismic slope stability evaluation for permanent cut/fill slopes. For seismic evaluation, mapped ground acceleration values associated with an assumed site class D will be utilized.
- Foundation recommendations, including foundation types, allowable capacities, installation criteria, and total and differential settlement estimates.
- Earthwork and site preparation recommendations including excavation requirements, fill composition and placement criteria, and reuse of onsite material including potentially collapsible soils.
- Recommendations for moisture protection and surface drainage.



- Preliminary estimate of corrosive effects of site soils in contact with ferrous metal and concrete. An electronic copy of the final report will be provided via email or file transfer program.

CONDITIOINS, SCHEDULE AND FEES

IGES proposes to undertake the above scope of work on a **TIME & MATERIALS** basis in accordance with our 2022 Schedule of Charges. Based on the scope of work outlined in the preceding, our estimated fees to perform this work will NOT EXCEED the following amounts for each task outlined in Table 1:

Table 1 – Lump Sum Fee Schedule

Phase	Estimated Amount
Phase 1: Geotechnical Subsurface Exploration	\$10,900
Phase 2: Laboratory Testing	\$5,800
Phase 4: Geotechnical Report and Recommendations	\$6,600
Total Fee Estimate	\$23,300

Additional services required beyond the scope of work outlined above can also be undertaken on a time and expense basis in accordance with the schedule of charges presented on Attachment 2.

The lump-sum fee schedule presented in Table 1 is subject to the following assumptions and conditions:

- Free and clear access will be provided to the boring locations. In general, we anticipate that the investigation locations will be accessible with a truck-mounted drill rig and an excavator.
- Site specific safety training will not be required.
- Supervision or union representation will not be required.
- Known underground utilities will be identified for IGES. IGES and our exploration contractor(s) will contact Blue Stakes utility locator service. Provisions for private utility locating, site meets, or soft dig services have not been included but may be provided for an additional fee.
- Exploration work will be performed during weekday (Monday through Friday), daytime (generally between 7 am and 7 pm) hours.
- Soil and fluid cuttings generated from the explorations may be disposed of onsite as directed by the owner. Soil and fluid hauled offsite will incur addition testing and disposal fees.
- Response to review comments by the Salt Lake County, Magna or other governing agency



Proposal for Geotechnical Services
Magna Water District
Zone 3 Storage Reservoir
Magna, Utah

reviewers will be performed on a time-and-expense basis in accordance with our 2022 Fee Schedule upon Client approval. Response may include additional field work, laboratory work, or analysis.

- IGES will not perform environmental sampling, screening or testing for elevated lead and arsenic within soils. If such conditions are encountered, we will stop work and notify you.
- The proposed reservoir will meet the requirement of a low or moderate hazard dam having a storage capacity of under 20-acre feet and qualify as a “Small Dam” according to the requirements of the Utah Division of Water Resources, Dam Safety Division. The project Civil Engineer will communicate with Dam Safety for informational purposes and prepare a Small Dam Application, if needed.
- IGES agrees to take on this work as a subconsultant to Magna Water District and assumes that attached contract terms and conditions will continue to be agreeable to MWD. Should modifications to these previously accepted insurance requirements, indemnification language or other contract conditions be required, IGES reserves the right to revise our fees and/or increase safety factors used in our analyses.

We can begin scheduling equipment immediately after receiving written authorization to proceed, the fieldwork for this project being initiated as subcontractors become available. A drill rig would most likely be available within two to four weeks of receiving authorization to proceed, depending on the current workload of our drilling subcontractor. The proposed field program will require approximately 2 to 3 days to complete, depending on drilling and groundwater conditions. Laboratory testing will commence immediately upon the return of the samples from the field. We anticipate laboratory testing will take approximately three to four weeks to complete. Our engineering evaluation will initiate as laboratory data becomes available, allowing us to deliver our completed reports within approximately five to six weeks following the completion of field activities.



Proposal for Geotechnical Services
Magna Water District
Zone 3 Storage Reservoir
Magna, Utah

If you wish us to proceed with the proposed services, please indicate so by providing the appropriate contract documentation. Once we receive the signed *Authorization to Proceed*, we will sign and return a fully executed copy to you.

We look forward to the opportunity of working with you on this project. If you have any questions regarding the proposed scope of work or any other aspects of our proposal, please do not hesitate to contact us.

Respectfully submitted,

IGES, Inc.

A handwritten signature in blue ink, appearing to read "Jared Hawes". The signature is fluid and cursive, with a long horizontal stroke at the end.

Jared Hawes, P.E.

Senior Engineer, Project Manager

Attachments:

- 1) General Conditions Form B-25
- 2) 2022 Schedule of Charges

GENERAL CONDITIONS-FORM B25

1.0 BILLING

- 1.1 Invoices will be issued every four weeks, payable upon receipt, unless otherwise agreed.
- 1.2 Interest of 1 ½ % per month (but not exceeding the maximum rate allowable by law) will be payable on any amounts not paid within 30 days, payment thereafter to be applied first to accrued interest and then to the principal unpaid amount. Any attorneys’ fees or other costs incurred in collecting any delinquent amount shall be paid by the Client.
- 1.3 In the event that the Client requests termination of the work prior to completion of a report, Intermountain GeoEnvironmental Services, Inc. reserves the right to complete such analyses and records as are necessary to place its files in order and, where considered by it necessary to protect its professional reputation, to complete a report on the work performed to date. A termination charge to cover the cost thereof in an amount not to exceed 30% of all charges incurred up to the date of the stoppage of the work may, at the discretion of Intermountain GeoEnvironmental Services, Inc., be made.

2.0 WARRANTY AND LIABILITY

- 2.1 Intermountain GeoEnvironmental Services, Inc. warrants that its services are performed, within the limits prescribed by its Clients, in a manner consistent with that level of care and skill ordinarily exercised by members of the same professions currently practicing in the same locality under similar conditions. No other warranty or representation, either expressed or implied, is included in its proposals, contracts or reports.
- 2.2 Intermountain GeoEnvironmental Services, Inc. has neither created nor contributed to the existence of any hazardous, radioactive, toxic or otherwise dangerous substance or condition at the site, and its compensation hereunder is in no way commensurate with the potential risk of injury or loss that may be caused by exposure to such substances or conditions. Accordingly, notwithstanding any other provision herein, the liability of Intermountain GeoEnvironmental Services, Inc., its employees, subcontractors and agents for any injury or loss arising from any such pre-existing or client generated dangerous substance or condition at or near the project site, shall not exceed \$1,000.
- 2.3 Intermountain GeoEnvironmental Services, Inc., its employees, subcontractors and agents shall not be liable for indirect or consequential damages, including without limitation loss of use and loss of profits.
- 2.4 In recognition of the relative risks and benefits of the project to both the Client and IGES, the risks have been allocated such that the Client agrees, to the extent permitted by law, to fully indemnify IGES for any and all claim related costs, including attorneys fees, investigative expenses and settlement or indemnity costs, up to an aggregate total of \$25,000. In addition to the limitations provided in 2.2 and 2.3, and notwithstanding any other provision herein, the liability of Intermountain GeoEnvironmental Services, Inc, its employees, subcontractors and agents shall be limited to injury or loss to the extent caused by the negligence of Intermountain GeoEnvironmental Services, Inc., its subcontractors and/or agents hereunder, and the liability of Intermountain GeoEnvironmental Services, Inc. , for injury or loss arising from (1) professional errors or omissions and/or (2) environmental impairment or pollution and/or (3) radiation, nuclear reaction, or radioactive substances or conditions shall not exceed \$25,000. Such claims and causes include, but are not limited to negligence, professional errors or omissions, strict liability, breach of contract or warranty.
- 2.5 The General Liability of Intermountain GeoEnvironmental Services, Inc, its employees, subcontractors and agents for any other claim(s) of any kind shall not exceed \$100,000. Increased liability limits may be negotiated upon the Clients written request, prior to commencement of services, and agreement to pay an additional fee.
- 2.6 The Client agrees to indemnify and hold harmless Intermountain GeoEnvironmental Services, Inc., its employees, subcontractors and agents against and from any claim, liability, attorneys fees or other defense costs incurred because of (i) injury or loss caused by the actions or omissions of the Client, its employees or its other agents, contractors or subcontractors, or (ii) any third party claim arising from the performance of services hereunder by Intermountain GeoEnvironmental Services, Inc., its agents or subcontractors, to the extent the liability and costs exceed the relevant amount of Intermountain GeoEnvironmental Services, Inc’s liability specified in sections 2.2-2.6 above and does not result solely from the negligence or willful misconduct of Intermountain GeoEnvironmental Services, Inc., its agents or subcontractors.
- 2.7 In the event the Client makes a claim against Intermountain GeoEnvironmental Services, Inc., at law or otherwise, for any alleged error, omission or other act arising out of the performance of its professional services, and to the extent the Client fails to prove such claim, then the Client shall pay all costs, including attorneys fees, incurred by Intermountain GeoEnvironmental Services, Inc. in defending itself against the claim.
- 2.8 Notice *Lis pendens* – in order to secure payment, IGES, Inc. may file a notice of *Lis pendens* or in the event of delinquent payment perfect a lien on the property for which their services are performed.

AUTHORIZATION TO PROCEED AND ACCEPTANCE OF TERMS AND CONDITIONS

The undersigned, as an authorized representative of **Magna Water District** agrees to the scope of work and general conditions offered, and authorizes IGES, Inc. to proceed with the work.

By: _____
Authorized Signature

IGES, Inc.

Printed Name, Title

Signature

Date:

Date:

SCHEDULE OF CHARGES**Intermountain GeoEnvironmental Services, Inc.
2022**

The compensation to Intermountain GeoEnvironmental Services, Inc. for our professional services is based upon and measured by the following elements:

PERSONNEL, HOURLY RATE

Principals.....	\$145.00 - \$165.00
Associate/Senior Consultant	\$125.00 - \$145.00
Senior Engineers/Geologists	\$115.00 - \$125.00
Project Engineers/Geologists	\$105.00 - \$115.00
Staff Engineers/Geologists	\$95.00 - \$105.00
Assistant Professionals.....	\$85.00 - \$95.00
Senior Field/Laboratory Technicians	\$80.00 - \$85.00
Junior Field/Laboratory Technicians	\$70.00-\$80.00
Word Processing and Clerical.....	\$65.00
Expert Consultation, Report Preparation, and Testimony.....	\$180.00 - \$255.00

EQUIPMENT

Mileage	\$1.00/mile
Soil Sampling Equipment.....	\$5.50/hour
Soil Sample Containers.....	\$15.50/sample
Nuclear Moisture/Density Testing Gauge	\$25.00/day

MISCELLANEOUS EXPENSES

In-House Printing	\$0.25/page
Out-of-town living expenses, vehicle rentals, sub-contracted work, postage, shipping, telephone, travel and other costs incurred with outside services or equipment.....	Cost plus 15%

All in-house laboratory testing will be billed at IGES prevailing testing rate schedule at the time of testing.

MATERIAL STORAGE



Corporate
 703 Hebron Avenue, Floor 3, Glastonbury, CT 06033
 p: 1.860.760.0046 • f: 1.888.958.1393 • www.clearspan.com



Customer ID: 9078145
 Quote Number: 1069261

QUOTE

Sourcewell Contract #: 091319-CSS

Page: 1 of 1

<p>Quote To: TREVOR ANDRA MAGNA WATER DISTRIC 8885 W 3500 S MAGNA UT 84044-1648 UNITED STATES</p> <p>Phone: 8012506279 trevor@magnawater.com</p> <p>Sales Person: BRAD WILLIAMS Fax: 860-760-0210 BWILLIAMS@CLEARSPAN.COM</p>	<p>Ship To: MAGNA WATER DISTRIC 8885 W 3500 S MAGNA, UT 84044-1648</p> <p style="text-align: right;">Date: 8/18/2022 Valid for 10 Days</p> <p style="text-align: right;">Quote Total 60,768.00</p>
---	---

USD

Line	Part	Description	Expected Qty	Unit Price	Ext. Price
1	100106	45W RK BY 40L TRUSS BLDG 10'OC CAT 1 FR	1.00	26,580.00	26,580.00
2	700001	CUSTOM DESIGN AND ENGINEERING BUILDING	1.00	3,750.00	3,750.00
3	100007	SALE OF FREIGHT	1.00	8,020.00	8,020.00
4	700000	STANDARD WAGE INSTALLATION	1.00	22,418.00	22,418.00

Please Note:

- *Additional Sales Tax will apply for materials and installation if the project is not tax exempt.*
- *Freight Rate shown is estimated. Buyer is responsible for final freight charges that are calculated at time of shipment*
- *Anchor Hardware not included for Designed and Engineered Structures unless listed on the quote. Customer may provide the anchor bolts or ClearSpan will quote them once engineering is completed*

Lines Total	60,768.00
Line Miscellaneous Charges	0.00
Quote Miscellaneous Charges	0.00
Quote Total	60,768.00

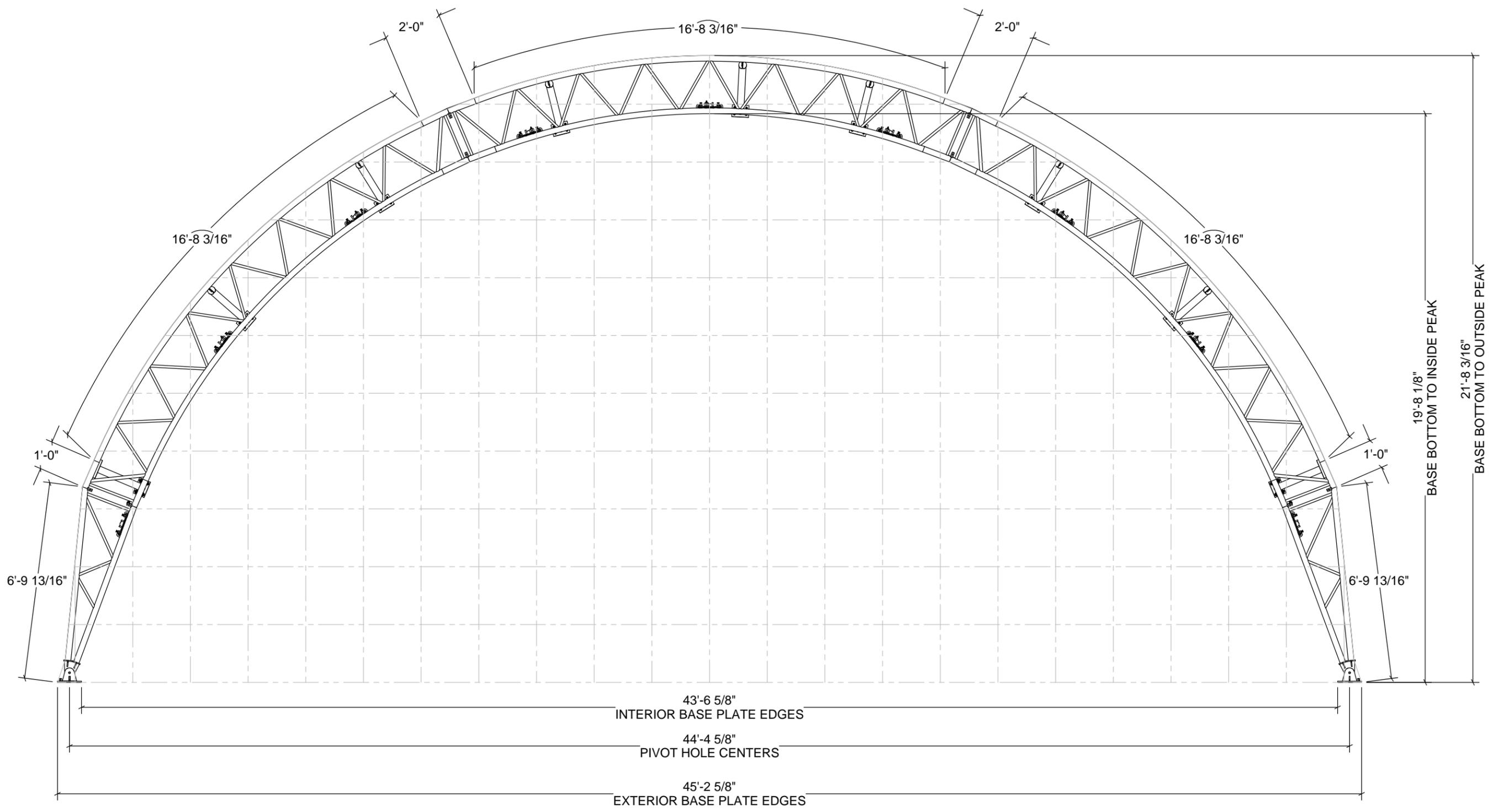
: FCBHDFC : @ FB -A9BG-CBGL
 ; F-8 F9DF9G9BHG & ("GEI 5F9G

DEVELOPED BY

 A DIVISION OF
 98; 499F 4; 09F J 7 9G / DFC 81 7HG 7C
 1440 18TH AVENUE SW
 DYERSVILLE, IA 52040
 P: 563.875.6113
 F: 563.875.2317
 WWW.ESAPCO.COM

ORDER #:
 !!

CUSTOMER #:
 !!



CJ9F!H<9!HCD. '* - fl', ' #/6 '' fl' '* '' #/6 '' L

CUSTOMER INFORMATION:		STRUCTURE SKU #: H8() F?	STRUCTURE SIZE: () fl.	STRUCTURE DESCRIPTION:
CUSTOMER CONTACT:	CONTACT PHONE:	SHEET TITLE: : FCBHDFC : @ FB -A9BG-CBGL		

DRAWING DETAILS	
DRAWN BY: GAB	CREATION DATE: - #/6 #/6%
REVISIONS:	
NO.	REVISION DATE:
1	58 %/6 #/6%
2	
3	
4	
NOT TO SCALE	SHEET SIZE: 11X17
SHEET:	
9 %/6 %/6%	

**HANSEN ALLEN
& LUCE**

**ADDENDUM #1 TO
TASK ORDER NO. 023.17.100
TO
ENGINEERING SERVICES AGREEMENT**

CLIENT: Magna Water District
Effective Date of Engineering Services Agreement: April 22, 2019

THIS ADDENDUM #1 TO TASK ORDER NO. 023.17.100 TO ENGINEERING SERVICES AGREEMENT (this "TASK ORDER") is made and entered into as of the 31st day of August 2022 by and between CLIENT and HANSEN, ALLEN & LUCE, INC., ("HAL"), who agree as follows:

1. PROJECT. The PROJECT associated with this TASK ORDER is described as follows: Wells Evaluation and Rehabilitation Services – Additional Services
The PROJECT SITE is located as follows: Barton and Haynes Well Fields
2. SCOPE OF SERVICES. The SCOPE OF SERVICES associated with this TASK ORDER is attached hereto as Exhibit T.O. 023.17.100 A – ADDENDUM #1.
3. FEES. CLIENT shall reimburse HAL for services provided under this AGREEMENT on an hourly billing rate plus reimbursable expenses basis, with an estimated additional engineering fee of \$20,000 in accordance with the HAL Standard Fee Schedule ("FEE SCHEDULE") attached hereto as Exhibit T.O. 023.17.100 B – ADDENDUM #1. CLIENT hereby agrees that all fees and charges set forth in the FEE SCHEDULE are acceptable to CLIENT, and CLIENT further agrees to pay all fees and charges to HAL in accordance with the ENGINEERING SERVICES AGREEMENT and FEE SCHEDULE.
4. SCHEDULE. The schedule for each individual evaluation or well rehabilitation will be negotiated between the District and HAL when each evaluation or rehabilitation is requested by the District.
5. ATTACHMENTS AND EXHIBITS. All attachments and exhibits referenced in or attached to this TASK ORDER are incorporated herein and are made a part of the ENGINEERING SERVICES AGREEMENT.
6. CLIENT has read and understood all ATTACHMENTS and EXHIBITS and agrees that such items are hereby incorporated into and made a part of the ENGINEERING SERVICES AGREEMENT.

IN WITNESS WHEREOF, CLIENT and HAL have executed this TASK ORDER as of the date first above written.

CLIENT: Magna Water District

HANSEN, ALLEN & LUCE, INC.

By: _____

By: [Signature]

Its: _____

Its: Principal

Attest: _____

Attest: [Signature]

Its: _____

Its: President

SCOPE OF WORK

We propose the following general Scope of Work for each well evaluation and/or rehabilitation requested by Magna Water District. Well evaluations and proposed well rehabilitations included in the Magna Water District Groundwater Monitoring Program will provide the basis for the anticipated engineering services provided through this Task Order.

Well Evaluation

1. Review existing data for the well.
2. Assist the District with performing pump testing on the well to determine current well performance.
3. Compare current performance to past performance.
4. Assist the District with field evaluations including working with contractors for performing well videos, water quality sampling, biological activity testing, etc.
5. Determine well rehabilitation strategies (if any) based on the results of the well evaluation.

Well Rehabilitation

6. Prepare Bid Schedule and specifications for well rehabilitation.
7. Assist the District with procurement of a contractor to perform well rehabilitation.
8. Provide office and field engineering support services during well rehabilitation.

ESTIMATED ENGINEERING FEE

Based on the proposed general scope of work, and based on additional engineering support services requested by the District related to this scope of work, we estimate an engineering fee of an \$20,000. Engineering services will be billed on an as-needed time and materials basis according to the HAL Standard Fee Schedule (see Exhibit T.O. 023.17.100 B – Addendum #1) which is updated annually.

EXHIBIT T.O. 023.17.100 B – ADDENDUM #1
STANDARD FEE SCHEDULE
2022

PERSONNEL CHARGES

Client agrees to reimburse Hansen, Allen & Luce, Inc. (HAL), for personnel expenses directly related to the completion of the project, in accordance with the following:

Managing Professional III	\$209.32/hr
Managing Professional II	\$200.00/hr
Managing Professional I	\$189.50/hr
Senior Professional III	\$178.89/hr
Senior Professional II	\$170.48/hr
Senior Professional I	\$157.62/hr
Professional III.....	\$148.17/hr
Professional II.....	\$132.89/hr
Professional I.....	\$124.57/hr
Professional Intern.....	\$112.60/hr
Engineering Student Intern	\$62.00/hr
Water Resource Specialist	\$130.60/hr
Geologist.....	\$132.64/hr
Designer	\$121.35/hr
Senior Field Technician	\$119.29/hr
Field Technician	\$98.50/hr
CAD Operator.....	\$98.50/hr
Public Relations Specialist.....	\$143.85/hr
Administrative Assistant	\$69.05/hr
Professional Land Surveyor.....	\$133.00/hr
1 Man GPS Surveying Services – PLS	\$162.50/hr
Drone Pilot	\$192.00/hr
Expert Legal Services.....	\$320.00/hr

DIRECT CHARGES

Client also agrees to reimburse HAL for all other costs directly related to the completion of the project. Direct charges shall include, but not be limited to, the following:

Communication, Computer, Reproduction	\$6.00 per labor hour
Out-of-town per diem allowance (lodging not included)	\$64.00 per day
Vehicle	\$0.65 per mile
Outside consulting and services	Cost plus 10%
Other direct expenses incurred during the project	Cost plus 10%
Trimble GPS Unit	\$135.00 per day
Data Logger/Transducer.....	\$130.00 per week

INTEREST CHARGE AFTER 30 DAYS FROM INVOICE DATE..... 1.5% per month

Note: Annual adjustments to personnel and direct expense charges will occur in January of each year. Mileage rate changes are based on fuel prices.



BOWEN
COLLINS

Amendment No. 1

**TASK ORDER NO. 21.1
("WASTEWATER REUSE PROJECTS")**

PROJECT NO. 483-20-02

WASTEWATER REUSE PROJECTS FINAL DESIGN

This task order amendment is issued by Magna Water District ("OWNER") pursuant to the Agreement between the ("OWNER") and Bowen, Collins & Associates, Inc. ("ENGINEER"). Task Order 21.1 was executed on October 21, 2021.

1. SERVICES

Refer to Attachment A for the additional engineering services to be provided during the Final Design Phase.

2. COMPENSATION

Refer to Attachment B. Compensation is based on a time and materials basis. The task order maximum limit will be changed as indicated below for completing all the services described in the "SERVICES" above.

Original Task Order Maximum Limit Not to Exceed	\$785,374.00
Current Amendment No. 1 Request Amount	\$ 85,901.00
Revised Task Order Maximum Limit Not to Exceed	\$871,275.00

3. PERIOD OF SERVICES

The services under this task order shall commence on the date of execution of this amendment and shall be complete by January 31, 2023.

4. DELIVERABLES

Plans and details for the additional task items will be included in the Contract Documents for the project.

5. ACCEPTANCE DUE DATE

This task order needs to be accepted as soon as possible.

The parties have executed this task order effective this ____ day of _____, 2022.

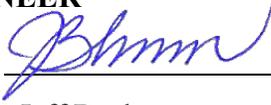
CLIENT

By _____

Name _____

Title _____

ENGINEER

By  _____

Name Jeff Beckman

Title Vice President

ATTACHMENT A
ADDITIONAL SCOPE OF WORK FOR
FINAL DESIGN SERVICES
MAGNA WATER REUSE FACILITY PROJECT
MAGNA WATER DISTRICT

August 31, 2022

BACKGROUND

Magna Water District (District) contracted with Bowen, Collins & Associates (BC&A) to provide engineering services for the Magna Water Reuse Facility Project including final design, contractor prequalification, and bid period services. BC&A teamed with Stantec Consulting for this work.

During the final design phase, the District requested several additional items to enhance the flexibility and overall capacity of the Reuse Facility. The additional items included increasing the future filter capacity from 4.6 mgd to 6.6 mgd, adding low-head pumps to return filtered effluent back to the existing discharge location, and adding alum dosing locations upstream of the filters. The following information outlines the additional scope associated with each of these items based upon the tasks identified in original scope of work.

ADDITIONAL SCOPE ITEMS

TASK 1.0 – FINAL DESIGN SERVICES

1.1 Project Management and Coordination

1.1.1 Provide increased coordination and project management effort necessary for the additional tasks including coordination with subcontractor electrical and structural disciplines.

1.2 Filter Proposals Solicitation, Evaluation and Selection and Chlorine Evaluation – No Change

1.3 Survey and Geotechnical Evaluation – No Change.

1.4 Environmental Assessment/Categorical Exclusion - No Change.

1.5 Design Review Workshops – No Change.

1.6 Final Design of Reuse Facility and Pump Station

1.6.1 Increase Filter Capacity – The BC&A/Stantec Team worked with the filter manufacturer, Aqua Aerobics, to identify necessary changes allowing for an increased capacity of 6.6 mgd. This work included coordination with Aqua Aerobics, revising specifications, reviewing proposals, and preparing an addendum to the purchase agreement. The change resulted in addition of a second backwash pump for each filter and larger center columns.

1.6.2 Addition of Effluent Return Pumps – Effluent return pumps enable filtered effluent to be pumped back to the existing discharge point. These pumps enhance the District's ability

to meet annual phosphorus discharge limits. Three mixed flow, low-head pumps, piping and flow measurement equipment are added to the design. BC&A worked with various pump manufactures to identify the most efficient pump for this application. The additional pumps required a larger building by approximately 300 square feet, thus increasing the scope of work for each of the design disciplines. (See subconsultant fees indicated in fee estimate.)

1.6.3 New Alum Dosing Points – Alum doing points upstream of the filter were added to the project. Alum dosing will enhance the phosphorus removal through the filters. The dosing points and associated mixer will be located in the splitter box just upstream of the filter building. The new alum dosing locations require modification within the chemical building and to yard piping and process controls.

1.6.4 Expanded Landscaping Plan – The original scope included a basic grading and landscaping plan that included rock mulch topping. During the review process it was decided to increase the scope of the landscaping to include a small demonstration grading with a pergola, benches, grasses, with irrigation from the reuse system. The additional hours included in the is task is for specifying and detailing additional landscaping, pergola, and irrigation system.

1.7 Front End Contract Document Preparation – No Change.

1.8 Permitting – No Change.

1.9 Opinion of Probable Construction Costs – No Change.

1.10 USBR Grant Management Assistance – No Change.

TASK 2.0 – CONTRACTOR PREQUALIFICATION SERVICES

2.1 Prequalification Documents Preparation – No Change.

2.2 Evaluation of Proposals – No Change.

2.3 Pre-Qualification Review, Recommendation and Notifications – No Change.

TASK 3.0 – BID PERIOD SERVICES

3.1 Bid Period Services – No Change.

3.2 Pre-Bid Meeting – No Change.

3.3 Bid Opening Report – No Change.

3.4 Conformed Documents – No Change.

FEE AMENDMENT

The attached estimate outlines the extra effort and fees associated with each of the changes. BC&A respectfully requests that MWD consider approval of an amendment in the amount of \$85,901 for the Magna Reuse Project budget for this additional work.

EXHIBIT B
2020 Water Reuse Projects - Final Design Amendment 1
Magna Water District
Engineering Man Hour - Fee Estimate for Additional Scope

Updated: 8/31/2022

		Bowen Collins & Associates Staff										Subtotal Hours	Subtotal Labor	Subtotal* Expenses	Expenses		Subconsultants				Total Cost	
Labor Category	Office	Clerical II	Tech. VI	Envrio Lead	Eng. III	Lead Engineer	Lead Engineer	Struct	PM	QA				Comp/Comm	Mileage	Stantec**	Survey	Geotech IGES	Architect Thalmann	HVAC/Plumbing CTA		
Staff	Skousen	Hilbert	Anderson	Tsandes	Rogers	Luettinger	Nelson	Pugh	Beckman	Mayers												
Labor Rate	\$97	\$88	\$129	\$170	\$129	\$206	\$152	\$165	\$189	\$180				\$7.50	\$0.75							
Task No.	Task 1: Final Design Services																					
1.1	Project Management and Coordination																					
1.1.1	Additional Project Management and Coordination																					
					8				8			16	\$ 2,544	\$145	\$120	\$506					\$ -	
1.6.2	Additional Design Scope																					
1.6.2.1	Higher Rate Capacity Filters																					
					8				12			20	\$ 3,300	\$717	\$150	\$11,342					\$ -	
1.6.2.2	Addition of Effluent Return Pump System and Piping																					
			30		60				20	8		118	\$ 16,830	\$1,523	\$885	\$8,766		\$2,000	\$2,000		\$ 31,119.30	
1.6.2.3	New Alum Dosing Up Stream of Filters																					
			8		8				4			20	\$ 2,820	\$1,266	\$150	\$22,312					\$ 26,397.60	
1.6.2.4	Expanded Landscaping Plan (garden, pergola, irrigation)																					
			20	40								60	\$ 9,380	\$450	\$450						\$ 9,830.00	
	Task 1 Sub-Total																					
	0	0	58	40	84	0	0	0	44	8		234	\$ 34,874	\$4,101	\$1,755	\$0	\$42,926	\$0	\$0	\$2,000	\$2,000	\$ 85,901.30
Task No.	Task 2: Contractor Prequalification Services																					
	No Change																					
	Task 2 Sub-Total																					
	0	0	0	0	0	0	0	0	0	0	0	0	\$ -	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$ -
Task No.	Task 3: Bid Period Services																					
	No Change																					
	Task 3 Sub-Total																					
	0	0	0	0	0	0	0	0	0	0	0	0	\$ -	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$ -
	Total Hours																					
	0	0	58	40	84	0	0	0	44	8		234										
	Total Cost (All Tasks)																					
													\$34,874	\$4,101		\$42,926	\$0	\$0	\$2,000	\$2,000	\$85,901	

Budgetary Assumptions:

- Billing rates based on 2022 rates.
- Expenses Include:

Mileage reimbursement at \$0.75/mile
 10% markup on outside services or other project related expenses
 Computer and communications expenses \$7.50/hr.

*Expenses include 5% on all sub-consultants.

** Attachment for summary of hours per Task for Stantec Engineering.

SCOPE OF WORK FOR REUSE FACILITY PROJECT: Change 1

MAGNA WATER DISTRICT

Stantec’s efforts will include 283-hours outlined in the fee spreadsheet for the design change. Where there are no hours shown, this assumes no additional level of effort for that task. Additional expenses are excluded.

		Hours	labor	Total
	Final Design Services	232	\$44,342.00	\$44,342.00 \$42,926
	Total Time & Material			
1.6	Final Design of Reuse Facility and Pump Station			
1.6.1	Design Coordination	2	\$506.00	\$506.00
1.6.2	50% Detailed Design			
	Higher capacity filters	60.00	\$11,342.00	\$11,342.00
	New PS	42.00	\$8,766.00	\$8,766.00
	New alum dosing u/s filters (P)	120.00	\$22,312.00	\$22,312.00
	Chlorine scale addition	8.00	\$1,416.00	\$1,416.00
1.6.3	90% Interim Design	0.00	\$0.00	\$0.00
1.6.4	100% Final Design (IFC)	0.00	\$0.00	\$0.00

TASK 1.0 – FINAL DESIGN SERVICES

- 1.1 **Project Management and Coordination:** No change.
- 1.2 **Filter Proposals Solicitation, Evaluation and Selection and Chlorine Evaluation:** No change.
- 1.3 **Survey and Geotechnical Evaluation:** No change.
- 1.4 **Environmental Assessment – Categorical Exclusion:** No change.
- 1.5 **Design Review Workshops:** No change.
- 1.6 **Final Design of Reuse Facility and Pump Station:** MWD has decided that they want greater flexibility and capacity at the reuse building. As a result they directed the design team to increase the total filter capacity from 4.6 mgd to 6.6 mgd, they want to add a new low head pump station so that water can be sent to the filters and lifted back to the effluent discharge, and they want to add a new alum dosing point upstream of the reuse filters.
 - New Alum dosing point upstream of the filters for better control of effluent phosphorus
 - Additional chemical dosing pump, flow measurement, and control strategy.
 - Mixer at dosing point (location could be yard vault upstream of reuse building)
 - Verify that mixers from previous project will work, determine equipment needed for mounting, and prepare drawings for the contractor.
 - Carrier line in the yard between chemical storage and yard vault
 - Add autosampler for phosphorus sampling with this new alum addition point
 - Cloth Disc Tertiary Filtration System: Change to higher capacity filters:

- Drive motor on each filter is higher horsepower
- Filter Backwash System: Add a second back wash pump and there will be more control valves
- New low head pump station:
 - Three new low head/low flow pumps (~10 hp each) on VFDs with a flow meter. These pumps share the same wet well as the high head reuse pumps
 - Control strategy that allows these pumps to deliver a specific year-round flow. Low head and high head pumps may be running at the same time or separately.
 - Chlorine Dosing changes to add a scale under an existing chlorine gas cylinder.

These changes affect our current scope. Design schedule pushes back three weeks, 50% milestone moves from July 12 to Aug 4.

1.7 **Front End Contract Document Preparation:** No change.

1.8 **Permitting:** No change.

1.9 **Opinion of Probable Construction Costs:** No change.

TASK 2.0 – CONTRACTOR PREQUALIFICATION SERVICES – No change.

TASK 3.0 – BID PERIOD SERVICES – No change

Project Assumptions and Limitations

1. Existing scope assumptions 1 – 6 remain unchanged. Additional assumptions are below:
2. Stantec will provide electrical and instrumentation and controls as well as alum chemical feed design.

HAYNES WELL

#2

Invoice

WIDDISON TURBINE SERVICE

12645 S MINUTEMAN DR BLDG B
 DRAPER, UT 84020
 (801)571-8509



DATE	INVOICE #
7/29/2022	5447

BILL TO:

MAGNA WATER CO.
 P.O. BOX 303
 MAGNA, UT 84044

JOB LOCATION:

Magna, UT

WELL NAME/NO.:

Haynes 2R Well

JOB NUMBER:	P.O. NUMBER:	TERMS
		NET 30

ITEM	DESCRIPTION	UNITS	PRICE	AMOUNT
1.	July 2022 Invoice. CO#1. Backfill & Set Cement Plug in Sump.	l/s	4,550.00	4,550.00
TOTAL DUE				\$4,550.00

The customer has agreed to the terms of the sale as stated above, and acknowledges that he and, or, she is bound thereby, and it is fully understood and agreed that ownership, title and right of the unrestricted repossession of listed property, shall remain with Widdison Turbine Service, until paid for in full. The customer hereof agrees that if any default of this contract occurs, they will return all above merchandise in good order upon demand, and all payments previously made are to be forfeited for rental and use thereof, plus an additional sum for any collection fees, legal or attorney fees incurred in the enforcement of above provisions and plus interest at 1 1/2% per month (18% PER ANNUM). This acknowledges receipt of all items in good condition unless indicated.

FENCING



MOUNTAIN STATES FENCE

3737 SOUTH 500 WEST - SALT LAKE CITY, UTAH 84115 - (801) 261-4224 - 1-800-873-3623 - FAX (801) 261-4509

WE PROPOSE TO PERFORM THE FOLLOWING DESCRIBED WORK IN ACCORDANCE WITH THESE TERMS AND CONDITIONS INCLUDING THOSE PRINTED ON PAGE 2. WHICH UPON YOUR ACCEPTANCE CONSTITUTES YOUR OFFER TO PURCHASE.

QUOTATION TO: NAME: Magna Water DATE: 9/6/2022
 ADDRESS: _____ PROPOSAL NO: _____
 PRICE EFFECTIVE UNTIL: 9/21/2022

ATTN: Bob Re: 3935 S. Sennie Dr.
 PHONE: _____ CELL: _____
 FAX: _____ EMAIL: bob@magnawater.com PO/CONTRACT NUMBER: _____

DESCRIPTION OF MATERIAL:	TYPE	OVERALL HEIGHT	STRANDS B/W	MESH & GAUGE	FABRIC SELVAGE	LINE POSTS	POST SPACING	TOP RAIL	CENTER RAIL	BOTTOM RAIL	GATE FRAME
	323	7	3	2 x 9	B & K	1 7/8	10	1 5/8	0	7 ga.	1 7/8

DESCRIPTION OF WORK:

JOB #	PRICES ARE VALID FOR 15 DAYS
	<p>Furnish and install:</p> <p>1,830 LF 6' high chain link fence plus 3-strands of barbwire on top 1 each 20' x 84" double swing gate Total \$67,995.00</p> <p>All fence materials are black vinyl coated</p> <p>*If Worker's Comp Waiver of Subrogation is required add \$250.00</p>

A customary fee will be imposed on payments made with a credit card.

QUOTATION PREPARED BY: Bob Brown

PURCHASER, PLEASE SIGN AND ACKNOWLEDGE ACCEPTANCE ON PAGE 2.

(SIGNATURE DENOTES ACCEPTANCE OF TERMS AND CONDITIONS.)

THIS PROPOSAL SPECIFICALLY EXCLUDES SITE CLEARING, GRADING, SURVEYING, GROUNDING, ELECTRICAL WORK, AND THE LOCATING OF UNDERGROUND UTILITY LINES.



TERMS AND CONDITIONS

- 1 This proposal is for immediate acceptance, which, upon purchaser's acceptance, becomes an offer to purchase; and becomes a contract only upon such acceptance by Purchaser and subsequent approval by Seller's Home Office.
- 2 The Seller may at its option suspend work and deliveries under this contract except for cash, if in its opinion the credit of the purchaser becomes doubtful or impaired, until the Seller has received full settlement or satisfactory security for shipments made and services rendered and is satisfied as to Purchaser's credit for further shipments. If Purchaser fails or refuses to make payment as provided or to furnish such satisfactory security, the Seller shall have the right to enforce payment of the full contract value of the material and labor already furnished, or in process, and may either cancel the unfinished portion of the contract, or may proceed with the contract, in which latter case the Seller shall be entitled to such an extension of time for the performance thereof as is necessitated by the suspension. Seller's omission promptly to exercise its foregoing rights on account of failure by buyer to make payment or furnish security shall not be any waiver of Seller's rights to do so on the continuance or recurrence of any such default.
- 3 The Seller will not be responsible for delays arising from causes beyond its reasonable control and shall be responsible only for reasonable diligence in performing hereunder. Acceptance of performance or delivery shall constitute a waiver of any claims for damages on account of delays.
- 4 All material, unless otherwise expressly provided, shall be in accord with Seller's Standard Specifications and invoiced in accordance with Seller's Current published schedule of weight areas, bundles and standard lengths. Seller's invoice shall govern all settlements in the absence of affirmative showing of error therein.
- 5
 - a. In the event that this proposal is for the sale of materials only, no claim for compensation for errors of defects in material or workmanship will be allowed unless Seller is given immediate notice and opportunity to investigate, inspect and correct the alleged errors and defects, and if such are found and are not corrected by Seller, the compensation allowed to Purchaser shall be only the reasonable cost of replacing the defect or correcting the error in the materials involved and Seller will under no circumstances pay or be liable for any claims resulting from the use of improper, defective or damaged material. Purchaser shall carefully check material immediately upon arrival at destination, as no claim for shortage will be entertained unless filed with the Seller in writing within five days thereafter, and noted on the original freight bill by the local agent of the carrier.
 - b. If this proposal is for the construction of fences and related work, workmanship and materials furnished hereunder are guaranteed for a period of one (1) year from the date of project completion. There is no guarantee, explicit or implied, for wood fencing materials. There is no guarantee for damage due to acts of nature (high winds, flooding, etc.) No claim for compensation for errors or defects in material or workmanship will be allowed unless Seller is given immediate notice and opportunity to investigate, inspect and correct the alleged errors and the defects, and if such are found and are not corrected by Seller, the compensation allowed to Purchaser shall be only the reasonable cost of replacing the defect or correcting the error in the materials involved and Seller will under no circumstances pay or be liable for any claims resulting from the use of improper, defective or damaged material. Purchaser shall carefully check material and installation immediately, as no claims for improper, defective or recurrence of any such default.

UASD CONFERENCE



33RD ANNUAL CONVENTION

NOVEMBER 2-4, 2022



PROGRAM:

• NOVEMBER 2

- TRAINING SESSIONS & BOARD MEMBER TRAINING-1:00 – 4:45 p.m.
- EXHIBITS 11:00 a.m.- 4:30 p.m.
- EVENING RECEPTION 5:30 p.m.

• NOVEMBER 3

- TRAINING SESSIONS 8:30 – 5:00 p.m.
- EXHIBITS 7:00 a.m.-4:30 p.m.
- PARTNER'S PROGRAM-8:30-11:30
- AWARDS BANQUET & ENTERTAINMENT TBA 6:00 p.m.

• NOVEMBER 4

- BREAKFAST & SPEAKER 8:00 a.m.
- LEGISLATIVE REVIEW 10:00 a.m.

DAVIS CONFERENCE CENTER
1651 N. 700 W., Layton, UT 84041

For hotel reservations contact:

HILTON GARDEN INN - 877-782-9444, or 801-416-8899

Mention you are registering for the UASD convention for discounted rates

If you have any questions, please contact LeGrand Bitter, 801-725-1312 or Jamie Banh, 801-968-1011



UASD 33rd ANNUAL CONVENTION

Convention-at-a-Glance

Wednesday, November 2nd, 2022

Wednesday sessions provide valuable information for management, board members and staff. They are also intended to provide a resource for management to provide district staff with important training on topics relating to statutory requirements and operational issues, all within an afternoon. Convention registration is available for "Wednesday only" if it is desirable to have staff attend only the sessions that address their areas of responsibility and certification. (Full Conference Registration includes all Wednesday events and sessions, as well as all Thursday and Friday events and sessions)

- 11:00 am-4:00 pm Registration and Exhibits
1:00 -4:45 pm Afternoon Breakout Sessions
Annual Certification Training for newly elected or appointed board members
Open Meetings Training – Annual Requirement for all board members
GRAMA - State Archives training on a variety of topics for records officers
 -Updated Public Notice Website and Records Portal
State Purchasing - Current procurement Issues
Truth in Taxation Process, and Related Topics
5:30 pm Evening Welcome Reception

Thursday, November 3rd, 2022

- 7:00 am – 4:45 pm Exhibits Open (Exhibitor hall closes at 4:45 pm)
7:00 am Registration and Exhibits Open with Continental Breakfast
8:30-11:45 am Partner's Program
8:30-11:45 am General Session
Current Issues and Resources
Procurement Policy Updates
Cyber Security: New Challenges in the Cyber World - CISA
12:00-1:10 pm Luncheon – Keynote Speaker - Governor Spencer Cox (invited)
1:10-1:30 pm UASD Annual Business Meeting
1:45-4:45 pm Afternoon Breakout Sessions
NSDC - Accessing and Applying for Grants
Communicating Our Message - Districts Make The Difference!
Rates and Revenues During Inflationary Times
Fire and Water Breakout Session - NSDC National Discussion
How to Attract and Hire The Right Employees in an Employees Market
Emergency Preparedness - Panel Discussion on Current Issues
6:00pm Annual Awards Banquet - Entertainment (TBA)

Friday, November 4th, 2022

- 7:30 am Registration
8:30 am Breakfast - Speaker: Mauli Bonner, Director, Producer, Entertainer
9:45 -11:00 am Review of 2023 Legislative Package