

RECORD OF PROCEEDINGS

MINUTES OF A REGULAR MEETING OF THE BOARD OF DIRECTORS OF THE GREATROCK NORTH WATER AND SANITATION DISTRICT HELD SEPTEMBER 6, 2022

A regular meeting of the Board of Directors (referred to hereafter as “Board”) of the Greatrock North Water and Sanitation District (referred to hereafter as “District”) was convened on Tuesday, September 6, 2022 at 4:30 P.M. The meeting was conducted via video conference – Microsoft Teams. The meeting was open to the public.

ATTENDANCE

Directors in attendance:

John D. Wyckoff
Brian K. Rogers
Brenda Adams

Absent and excused were Directors Fleck and Jacoby.

Also in attendance were:

Lisa A. Johnson, Michael Jensen, and Shauna D’Amato; CliftonLarsonAllen LLP (“CLA”)
Mike Murphy; Ramey Environmental Compliance, Inc.
Nick Marcotte; Element Engineering, LLC

ADMINISTRATIVE MATTERS

Disclosures of Potential Conflicts of Interest: Ms. Johnson advised the Board that, pursuant to Colorado law, certain disclosures may be required prior to taking official action at the meeting. The Board reviewed the Agenda for the meeting, following which, Directors Wyckoff, Rogers, and Adams each confirmed that they had no conflicts of interest in connection with any of the matters listed on the Agenda. Director Adams noted that she serves on the HOA Board for Box Elder Creek Ranch.

Agenda: Ms. Johnson distributed for the Board’s review and approval a proposed Agenda for the District’s regular meeting. Following discussion, upon a motion duly made by Director Wyckoff, seconded by Director Adams and, upon vote, unanimously carried, the Board approved the Agenda as amended, and excused the absence of Directors Fleck and Jacoby.

Board of Director’s Report: Director Wyckoff reported that he recently had a concern about the slope on the north side of the new reverse osmosis plant building. He has spoken to Moltz Construction, Inc. and Mr. Marcotte regarding this issue. Moltz Construction, Inc. staff has installed a swale around the area to allow for proper drainage.

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District Manager's Report: The Board reviewed the monthly Manager's Report. There were no questions. A copy of the report is attached hereto and incorporated herein by this reference.

CONSENT AGENDA

The Board considered the following actions:

1. Approval of the Minutes of the August 2, 2022 regular meeting.
2. Ratify approval of the payment of claims for the period ending August 26, 2022 in the amount of \$751,432.94.
3. Acceptance of unaudited financial statements for the period ending July 31, 2022, Schedule of Cash Position updated as of August 25, 2022, and inclusion summaries.
4. Operations and Maintenance Activities Report.
5. Review meter installation report.

Following discussion, upon a motion duly made by Director Wyckoff, seconded by Director Rogers and, upon vote, unanimously carried, the Board approved the Consent Agenda items.

FINANCIAL MATTERS

None.

ENGINEER'S REPORT

Mr. Marcotte presented his Engineer's Report and provided updates. A copy of the report is attached hereto and incorporated herein by this reference.

CAPITAL PROJECTS UPDATES:

Third Alluvial Well: No new update.

Evaporation Pond: Mr. Marcotte reported that he received notification of a water leak related to the water line installed recently. Ramey Environmental Compliance, Inc. has contacted a contractor to repair the line and the costs to repair will be billed back to the contractor responsible for the installation of the new line down Rayburn Street.

Reverse Osmosis Treatment Facility:

- **Pay Application No. 9 to the Construction Contract with Moltz Construction, Inc. in the Amount of \$296,598.08:** Following review and discussion, upon a motion duly made by Director Wyckoff, seconded by Director Rogers and, upon vote, unanimously carried, the Board approved Pay Application No. 9 to the Construction Contract with Moltz Construction, Inc. in the amount of \$296,598.08.
- **First Addendum to Independent Contractor Agreement with**

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Greeley Lock and Key for Secure Access System at the New Treatment Facility in the Amount of \$1,104.56: Following review and discussion, upon a motion duly made by Director Wyckoff, seconded by Director Rogers and, upon vote, unanimously carried, the Board ratified approval of the First Addendum to Independent Contractor Agreement with Greeley Lock and Key for secure access system at the new treatment facility in the amount of \$1,104.56.

- **Change Order No. 8 to the Construction Contract with Moltz Construction, Inc. for Installation of a Doghouse over the 6" FW Line for Freeze Protection in the Amount of \$4,690.00:** Following review and discussion, upon a motion duly made by Director Wyckoff, seconded by Director Rogers and, upon vote, unanimously carried, the Board ratified approval of Change Order No. 8 to the Construction Contract with Moltz Construction, Inc. for installation of a doghouse over the 6" FW line for freeze protection in the amount of \$4,690.00.
- **Change Order No. 9 to the Construction Contract with Moltz Construction, Inc. for a Deduction on Items from the Concentrate Line in the Reduced Amount of (-\$650.00):** Following review and discussion, upon a motion duly made by Director Wyckoff, seconded by Director Rogers and, upon vote, unanimously carried, the Board approved Change Order No. 9 to the Construction Contract with Moltz Construction, Inc. for a deduction on items from the concentrate line in the reduced amount of (-\$650.00).
- **Change Order No. 10 to the Construction Contract with Moltz Construction, Inc. for an Increase in Time for Substantial Completion in the Amount of \$0:** Following review and discussion, upon a motion duly made by Director Wyckoff, seconded by Director Rogers and, upon vote, unanimously carried, the Board approved Change Order No. 10 to the Construction Contract with Moltz Construction, Inc. for an increase in time for substantial completion in the amount of \$0.
- **Change Order No. 11 to the Construction Contract with Moltz Construction, Inc. for Additional Asphalt Repair on Hudson Mile Road in the Amount of \$7,988.00:** Following review and discussion, upon a motion duly made by Director Wyckoff, seconded by Director Rogers and, upon vote, unanimously carried, the Board approved Change Order No. 11 to the Construction Contract with Moltz Construction, Inc. for Additional Asphalt Repair on Hudson Mile Road in the Amount of \$7,988.00.

OPERATIONS /
MAINTENANCE
MATTERS

Operator in Responsible Charge (ORC) Report: Mr. Murphy presented his report and provided updates. A copy of the report is attached hereto and incorporated herein by this reference.

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LEGAL MATTERS

Easement Agreement between the District and Town of Castle Rock (“TOC”) to Allow Access to District Property to Install Monitoring Well and Allow for Maintenance and Monitoring in Perpetuity: Ms. Johnson provided an update to the Board. As part of additional research on the request for an easement by TOC, it was determined that the District does not own the property that the ponds are located on and therefore, cannot provide an easement to TOC to drill a monitoring well. Mr. Sanchez with BBA Water Consultants, Inc. is working with the TOC to determine other locations to drill the wells.

OTHER MATTERS

Status of Homestead Heights/Country Club Ranchettes #1: Mr. Marcotte reported that he is working with the property owner to correct punch list items prior to seeking initial acceptance.

Status of Hayesmount Estates: There were no new updates.

Status of Ridgeview Estates: Mr. Marcotte reported that he recently received a request from David Moore to install a fiber optic line in the District’s easement at the Greatrock North pump station. He conferred with Attorney Tanaka on this matter. Attorney Tanaka informed him that the District does not own the property and therefore, cannot approve an easement agreement and that Mr. Moore would need to make his request for an easement to the Greatrock North Homeowners Association.

Following discussion, upon a motion duly made by Director Wyckoff, seconded by Director Rogers and, upon vote, unanimously carried, the Board acknowledged the request to install a fiber optic line in the District’s easement and determined they have no issue sharing the easement, subject to determination that their fiber optic line does not interfere with the District’s infrastructure currently installed in the easement and approval by the Greatrock North Homeowners Association.

Status of Country Club Ranchettes Filing #2: There were no new updates.

Next Meeting Date Change: The Board determined to move their regular meeting on October 4, 2022 to October 13, 2022 at 4:30 p.m.

COMMUNITY COMMENTS

None.

ADJOURNMENT

There being no further business to come before the Board at this time, upon a motion duly made by Director Wyckoff, seconded by Director Rogers and, upon vote, unanimously carried, the meeting was adjourned at 5:29 p.m.

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Respectfully submitted,

By  Secretary for the Meeting
DocuSigned by:
Lisa Johnson
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Date: August 29, 2022
To: Greatrock North Water and Sanitation District, Board of Directors
From: Lisa A. Johnson, District Manager
Re: September 6, 2022 Manager's Report

Agenda Action Items

II.A. Consent Agenda

1. Approve the Minutes of the August 2, 2022 regular meeting.
2. Ratify approval of the payment of claims for the period ending August 26, 2022 in the amount of \$751,432.94.
3. Acceptance of unaudited financial statements for the period ending July 31, 2022, Schedule of Cash Position updated as of August 25, 2022, and Inclusion Summaries.
4. Operations and Maintenance Activities Report.
5. Review meter installation report.

I recommend approval of the consent agenda items.

VII.A.1. Homestead Heights/ Country Club Ranchettes #1

Updates included in Engineer's Report. In addition, 15 System Development Fees have been collected to date.

VII.B. Hayesmount Estates

20 System Development Fees have been paid to date.

VII.C. Ridgeview Estates

Updates provided in the Engineer's Report. In addition, 12 System Development Fees have been collected to date.

VII.D. Country Club Ranchettes Filing No. 2 (“CC#2”)

Nothing new to update at this time.

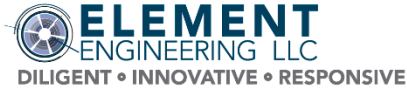
Review of monthly Water Resumes and Other Water Related Matters

Attorney Poznanovic has reviewed the June resume and found no cases he recommends the district oppose.

Update on other District Related Matters and/or Committee Meetings

Director Wyckoff, Director Rogers at times, Mr. Marcotte, Mr. Murphy and I are meeting after the weekly capital construction call as needed to discuss weekly updates on the capital projects as well as any operational matters.

In addition, I also attend the weekly capital project call regarding the RO Treatment project.



ENGINEER'S PROGRESS REPORT

Date: September 6, 2022
To: Greatrock North Water and Sanitation District
From: Element Engineering
Job No. 0041.0001
RE: Monthly Engineers Report – **New Items Bold**

CAPITAL PROJECTS:

1. Water Treatment Plant Improvements - Construction

Element Engineering recommended Moltz Construction be awarded the project. The board voted to award the project to Moltz at the district's April 4, 2021 meeting. The notice of award and owner-contractor agreement have been signed by both the district and the contractor. Bonds and insurance (payment and performance bonds) have been received by Element. Hard copies will be provided to CLA. Element held a meeting with Moltz to discuss a schedule for the pre-construction meeting and notice to proceed. The pre-construction meeting is scheduled for the week of May 31, 2021 with the notice to proceed being issued shortly after. Moltz has already submitted documents for the septic system permit and is working on the building department permit. We expect submittals to begin arriving for review shortly.

A pre-construction meeting was held on June 10th. The Notice to Proceed has been fully executed by both parties. The following is a summary of the construction timeline:

| | |
|-------------------------|---|
| Notice to Proceed: | June 14, 2021 |
| Substantial Completion: | March 26, 2022 (285 days after NTP) |
| Punch List Complete: | May 10, 2022 (45 days after Substantial Completion) |

Moltz Construction has started sending material and equipment submittals to Element for review.

During the building permit review process Adams County planning is requiring that a Major PUD Amendment process be completed. As it was our understanding that this would not be required, due to the proposed building being included in the last PUD amendment, Element reached out to Adams County to review this requirement. Adams County has indicated that as the building was included on the site plan, not the signed PUD amendment, a new amendment process would be required. The major amendment will require 2 hearings: one before the Planning Commission and one before the Board of County Commissioners. A neighborhood meeting will also be required. We have informed Moltz of this requirement and will keep them informed as to our

progress and how it may, or may not, affect their schedule. It is our hope that we can complete this process prior to Moltz's planned onsite construction date, therefore causing no delays.

The required major PUD amendment mailer was sent out by certified mail. The public meeting is scheduled for August 3, 2021 at 5:30 PM via Zoom (the same Zoom invitation as the district's board meeting). A meeting agenda has been provided to the board for review and is attached to this report.

The public meeting was held on August 3, 2021. The PUD application was submitted shortly after. We have received confirmation that the application has been received and assigned to a county planner. Element has reached out to our assigned project manager to see what the schedule for the PUD process will be. We have not yet received a response on that request.

Moltz Construction has requested to mobilize onsite with fencing, portlets, and other minor items. This request has been approved.

Element attended site visit meeting with Moltz and REC on September 16, 2021 to exchange building keys and discuss initial mobilization. The temporary construction fencing will be installed on or about Monday September 20, 2021.

We have received comments from the Adams County planner assigned to our PUD amendment case. The comments provided by Adams County are attached to this report. Comments and Element responses are as follows:

- Staff has concerns with the visual and aesthetic compatibility of the proposed structure with the rest of Box Elder Creek Ranch PUD. Please provide more detail about the building material that will be used.

Element Response: Although this information was included with the original application, we will address this comment by including images of nearby and adjacent structures and showing that the proposed building features Hardie siding and wood trim. We will stress that the district is budgeting significant money to ensure that the building blends with adjacent structures.

- Provide a more detailed landscaping plan to show how many and what type of trees that will be planted. Please show all existing trees and vegetation that will remain after the structure is complete.

Element Response: We will provide a landscaping plan as requested. A draft of the landscaping plan is attached. All trees installed will be Austrian Pines.

- The secondary access will require a county access permit and review, etc.

Element Response: Element responded to this comment with an email requesting clarification on this item. This is technically not a "secondary" access used by the project. This is the primary access to what was originally a separate lot.

A response to all comments will be sent to Adams County by September 24, 2022. A draft comment response letter will be provided to the district manager and board president and vice-president prior to submittal to Adams County.

Moltz has submitted Pay Application No. 1 which includes fees for mobilization. Element has reviewed this application and recommend it for approval. Moltz cannot begin work until the final building permit is issued. This requires the county to approve the Major PUD Amendment. Element has requested a schedule from the newly assigned Adams County project manager, and we are awaiting a response.

Dates for the planning commission and Board of County Commissioners meetings have been set for December 9, 2022 (6PM) and January 11, 2022 (9:30AM). Element will be present at these meetings. The district has approved Element to proceed with the removal of the water treatment plant sump design and to design a new gravity concentrate main from the water treatment plant site to the tie-in location at 162nd and Rayburn.

The planning commission has approved the major PUD amendment. The remaining task is to receive approval from the board of county commissioners at the January 11, 2022 meeting. Design on the Rayburn concentrate extension is ongoing. Element will be identifying locations for utility potholing to ensure we know the depth of utility crossings to avoid conflict.

The BOCC has approved the major PUD amendment and Moltz construction is working to obtain a building permit. The Rayburn concentrate line and the Field Order eliminating the WTP sump is 90% complete. Upon final completion Element will submit the Rayburn concentrate design to Adams County for a ROW utility permit. A proposal for potholing has been received and processed by the district. Diversified Underground will begin potholing upon execution of the potholing agreement. Moltz has submitted Pay Application No. 2 which includes payment for stored materials.

The building permit has been issued and Moltz is making good progress on the project. Element performed a reinforcing steel inspection on the southern half of the spread footer and stem wall. Remaining reinforcing steel inspections will be performed by Ground Engineering hired by Moltz. The first construction progress meeting was held on Thursday February 17, 2022 at 1:30 PM. Weekly meetings are being held via Microsoft Teams on the same day (Thursday) and time (1:30 PM). Element has issued Field Order No. 1 which includes elimination of the WTP sump and a new concentrate line down Rayburn Street to the intersection of 162nd. Initial discussions with Adams County have indicated that the area will be either overlaid or crack sealed in the near future. It is our intent to have this pipe installed prior to the work with Adams County, however, the county's schedule is unknown. A utility permit is required to install the infrastructure as designed. Element expects to submit this application to Adams County.

The utility permit has been submitted to Adams County for the concentrate line from the WTP site to the intersection of Rayburn and 162nd. Moltz is working to determine a final cost for the field order (sump elimination and construction of the concentrate line). Potholing for the utility crossings in the area has been completed and has been documented on the plans.

Element has received and reviewed Change Order No. 2 and No. 3 submitted by Moltz Construction. These are to be reviewed and discussed at the upcoming board meeting. Also, Pay Application No. 5 has been submitted and reviewed. Payment is recommended.

Element has received and reviewed Change Orders No. 4 and No. 5 submitted by Moltz Construction. Change Order No. 4 is a credit for an irrigation line tie-in change and Change Order No. 5 is for raising valve boxes as requested by the district. Also Pay Application No. 6 has been submitted and reviewed. Payment is recommended.

Adams County Planning has approved, in writing, our change from a metal scale roofing material to a asphalt shingle roofing material. John has approved the color of the shingles.

Construction is ongoing with the majority of the equipment having been installed. Interior and exterior piping have largely been completed. Also, the new concentrate piping down Rayburn to 162nd has been approved and scheduled by TLowell. A newly submitted pay application (Pay Application No. 7) is attached to this report. Approval of this pay application is recommended.

The new concentrate piping has been installed from the tie-in point at 162nd and Rayburn to the WTP site. No water service lowerings were required, also the proposed 12-inch water main lowering at the WTP site was not required. A full accounting of the credits for this work (Change Order No. 3) will be completed by Moltz and Element upon completion of all work by TLowell. Change Order No. 7 was submitted by Moltz to include valves on the concentrate line at the intersection to make the future extension easier. This change order was discussed at the last board meeting but an additional breakdown was requested. This breakdown was sent to CLA for distribution.

Several meetings between Element/Moltz/HOA/Ramey were conducted to discuss the change-over plan to switch from the existing equipment to the new equipment. Moltz is planning to present a formal transition and phasing plan during the week of July 25th, 2022.

Moltz is planning to request a short time extension to complete the project and achieve substantial completion. Although not received at the time of the completion of this board report, it is expected that Moltz will request an extension to September 30, 2022 for substantial completion.

Element has been requested to provide a breakdown of the existing WTP budget including the original bid amount, all change orders (both time and money) and a status of the engineering

construction oversight contract. This information will be presented at the August board meeting with real time updated fund balances.

Pay Application 9 is attached to this board report. The pay application has been reviewed and payment is recommended. Element has recently received and is reviewing Change Order No. 9 (Concentrate Line Credit for Unused Costs) and Change Order No. 10 (Additional Time for Substantial Completion).

2. Concentration Evaporation Pond

Element has reviewed all historic documents on the concentration evaporation pond and has contacted the subconsultant tasked with the concentrate line and pond grading design (CVL). The tasks necessary to complete design and permitting of the concentrate pond are as follows:

- Receive concentrate line and pond CAD files from CVL.
- Compile an Engineering Design and Operations Plan (EDOP), design plans, liner design, and specifications for the pond per CDPHE Section 9: Waste Impoundments.
- Finalize pond grading design and SWMP.
- Update concentrate line per request from developer and update easement exhibit.

Element has provided the district with a proposal to the district to complete pond design and CPDHE submittal (EDOP, plans, specifications). The EDOP, plans, and specifications will be to CPDHE for review and approval. After approval, the district will be granted approval for construction. CDPHE has strict quality control and construction documentation requirements including a construction QA/QC report that must be submitted after construction. Element can provide a proposal for pond bidding, construction observation, and construction QA/QC reporting at the appropriate time.

Element's proposal to complete the third concentrate pond and line has been approved by the district. We are currently working on the EDOP and plans. Also, we have provided a modified draft easement exhibit to Jay Scolnick for the revised concentrate line alignment.

As of August 29, 2021, Element continues to work on the concentrate pond design and EDOP. We have been coordinating with Jay on the concentrate line and have come to an agreement on the line location. We are finalizing what should be the last iteration of the concentrate line easement for signature by Jay. Our surveyor will require some field work for the easement in order to stamp the legal description. Also, there is additional survey required for the concentrate line design which will occur at the same time.

Additional survey field work was ongoing as of September 16, 2021. Element met onsite with the surveyor to confirm required items to be surveyed. Element held discussions about the potential to eliminate the proposed sump and pump in the proposed RO WTP if the concentrate line can be lowered. Element recommends any new concentrate main installation be 8-inch diameter SDR 35 PVC minimum.

Element has received the updated survey and has provided preliminary pond alternative layouts and costs as well as concentrate line profiles for the district's discussion at the October 26, 2021 work session. Upon a final decision for layout and pond location design documents will be created. Also, it is apparent that the concentrate line in Rayburn can be lowered, allowing the proposed sump in the ROWWTP to be removed and all drains go to the concentrate line.

Element was provided direction by the board to proceed with the west pond location and the gravity concentrate main running down Hudson Mile Road. Design work is ongoing with draft design documents expected to be complete in January. Element has reached out to Adams County to determine what permitting will be required for the project. A potential pre-application meeting with Adams County was requested.

Element has submitted the initial pre-application document to Adams County. A pre-application meeting with the county will be scheduled in the coming weeks based on the county's schedule. Work continues on finalization of the design. It is our goal to submit a draft of the design submitted to the board for review during the month of January.

A pre-application meeting with Adams County has been scheduled for Friday February 4, 2022 at 10:30 AM. This meeting will be held virtually. Element submitted progress plans on the concentrate pond to the district. We are now working to finalize the plans. The next step is to complete final internal edits and compile a stormwater management plan (SWMP) and finalize and submit the Section 9 Impoundment permitting report to CDPHE. This should be completed by the end of February to mid-March.

Element and CLA staff attended a pre-application meeting with Adams County. A detailed summary of submittal requirements was sent to the GNWSD board. In summary a Conditional Use Permit is required. The board approved Element to begin working on this submittal. Work is ongoing. We expect submittal of the conditional use permit and EDOP to Adams County and CDPHE in mid-March.

The public meeting for the conditional use permit is to be held at the April 5, 2022 board meeting. The required environmental study on the property is being completed by an Element subconsultant. Upon completion of the environmental study and public meeting, Element will submit the conditional use permit application to Adams County.

Element received the ownership and encumbrance report to research mineral rights owners to notify them (as required by Adams County). Also, we received the environmental report prepared by Olsson Associates that is required with the Conditional Use Permit. Our final task is to finalize the EDOP and submit it to CPDPHE and Adams County as well as provide notifications to mineral holders. This is to be completed by the week of May 30, 2022.

The EDOP and Adams County submittal have been completed and submitted. The Adams County review fee has been paid by Element.

Element has followed up with agencies to determine who is the primary contact. We have not been assigned a planner or engineer yet, but this is likely to occur soon.

Our project has been assigned a planner at Adams County. The county has promised to expedite the review of the project. Element will be ready to answer any questions or comments on the proposed project.

3. Third Alluvial Well

Element will report items pertaining to the third alluvial well in this section.

Element met with the district's water resources engineer on August 12, 2021. It was discussed that the location of Alluvial Well 3 and 4 would likely be the best locations for the new alluvial well. Element has been requested to complete a construction and design cost estimate to tie each of these well locations into the existing raw water lines. This work will begin shortly.

The well locations 3 and 4 were determined to be the best locations as they produce a satisfactory amount of water and have better water quality than location 5, which tested very high in nitrates (> 20 mg/L).

A Basis of Design Report (BDR) must be submitted to CDPHE to add an additional water source. This BDR must include the results of extensive water quality testing. Two separate testing batteries must be completed in two separate calendar quarters. Also, once drilled, the well will need to be tested to insure it is not under the direct influence of surface water.

No work this period.

GENERAL ENGINEERING – ADMINISTRATION

Element has been coordinating closely with CLA to onboard general engineering services. Element, CLA and GNWSD held an initial onboarding meeting at Element offices on June 10, 2021. An additional onboarding meeting with REC has been scheduled on June 30th, 2021 at REC offices. We have received all electronic and hard copy files from MMI and have reviewed them to determine the sum of available records.

Element has completed cost estimates to support 2022 budget preparation. This included estimated general engineering (ops and admin) fees, capital project fees, and engineering construction administration fees. A meeting to review the proposed budget items was held on September 22nd at REC offices.

Element is coordinating the additional information (survey) and scoping items on the concentrate line and concentrate pond and line alternatives in the General Engineering – Administration job number.

Element presented options to the board on concentrate line and concentrate pond locations. See Third Concentrate Pond reporting for more information.

Element is working on the county permitting of the third concentrate pond. See third concentrate pond update.

1. Box Elder Creek Ranch Subdivision

Element will report general administrative engineering items pertaining to the Box Elder Creek Ranch subdivision in this section.

No work this period.

2. Rocking Horse Farms Subdivision

Element will report general administrative engineering items pertaining to the Rocking Horse Farms subdivision in this section.

Element has coordinated with REC to complete the recommendation for final acceptance of the Rocking Horse Farms Pump Station Replacement Project. The project was completed on July 22, 2020, and has been successfully operating since startup. The 1-year warranty period has elapsed, and Element recommends final acceptance.

Element met with REC at RHF on January 21st, 2022 to discuss replacement of the RHF control valves. It was determined that an insertion valve could be installed downstream of the control valve to shut the tank off. A new electrically actuated gate valve could then be installed in the vault. It is recommended that two manual gate valves with wheels be installed on either side of the new actuated valve. This time was billed to General Engineering: Operations.

No work this period.

3. Greatrock North Subdivision

Element will report general administrative engineering items pertaining to the Greatrock North subdivision in this section.

No work this period.

4. Hayesmount Estates Subdivision

Element will report general administrative engineering items pertaining to the Hayesmount Estates subdivision in this section.

No work this period.

GENERAL ENGINEERING – OPERATIONS

Element will report on water accounting, use, water quality, and electrical usage, and pond levels in this section. We are working on on-boarding and coordination with REC so that we may obtain data for regular reporting.

Element met with REC on January 21st, 2022 to discuss the rocks in the concentrate line. It was determined that the line could be temporarily shut down (turn off WTP) and the line upstream of the control valve could be shut. The concentrate line could then be pumped out (water discharging to the adjacent concentrate pond) and the line could be excavated, opened, and the rocks removed. Upon removal the line would need to be replaced in the excavated area.

See attached monthly year over year comparison of electrical use (KWH) and electrical billing (\$). Element has assisted with mapping of water mains to determine the source of the distribution system leak on Hayesmount.

DEVELOPMENT SERVICES

1. Country Club Ranchettes Filing No. 1

Element has contacted Jay Scolnick and his contractor (Three Sons Construction) to set up a pre-construction meeting. The meeting is tentatively scheduled to be held onsite during the weeks of

July 5, 2021, or July 12, 2021 depending on final construction permit issuance from Adams County. Three Sons Construction has started the submittal process with Element. We are reviewing submittals per the district's rules and regulations.

Element will discuss construction observation and management roles and responsibilities with REC and CLA to clearly define task responsibility between each entity.

Element will be responsible for onsite construction observation. Submittals have been received and reviewed. A pre-construction meeting was held on July 16th, 2021. Onsite construction work started on July 21st, 2021. Element will be providing full time observation for the first week, and scale back observation time if we feel the contractor is completing acceptable work. Element provided the district with an estimated number of hours for onsite work that included the pre-construction, observation, GPS services and final walkthrough.

Element has completed construction observation and oversight during construction. Adams County notified the developer (Jay) and their engineer (Manhard) that their fire hydrant design and installation was three feet too close to the centerline of the asphalt roadway. The hydrants are required to be moved, which will require a new pressure test. An exhibit of this relocation is attached to this board report.

Element inspected and coordinated work on the fire hydrant relocation.

Minor construction observation/coordination occurred during this reporting period. Initial acceptance will occur after the surface improvements are complete (pavement, etc).

Element was notified that paving would occur at the project during the month of December. Upon completion of surface improvements an initial acceptance walkthrough will be completed.

Element completed an initial acceptance walkthrough and compiled the attached punch list and closeout requirements. **A letter was sent to the developer on June 23, 2022, and we are awaiting a response and required items.**

2. Country Club Ranchettes Filing No. 2

On Wednesday January 26th, 2022. Element met with the developer to discuss inclusion of CCR Filing 2. There were no specific engineering related action items immediately necessary at the meeting. When the inclusion packet is submitted, Element will complete necessary review tasks.

The inclusion agreement for CCR F2 has been submitted and Element is working with the district's consulting team to review and provide comment.

No work this period.

3. Ridgeview Estates

Element has requested the developer that to notify us when all surface improvements have been completed. Upon completion of these improvements an initial acceptance walkthrough can be held, and a punch list generated. Upon completion of the punch list items (if any) initial acceptance will be recommended.

A punch list was generated and provided to the developer. We received a response that the punch list would be completed and that we would be notified when items are completed. Once complete we will do a final walkthrough.

The developer reported that the initial acceptance checklist was completed. A walkthrough was completed by Element on October 4, 2021. There were minor items that need repair that were reported to the developer. A final inspection will be completed upon receiving word that the final remaining items have been completed.

Element performed the final initial acceptance walkthrough and have verified that all required items have been completed. The infrastructure in the development has been shot with the district's GIS system and we are working with the GIS platform to upload the data.

A list of items required for initial acceptance has been provided to the developer on December 20, 2021, and we are awaiting a response and required items.

No work this period.

4. Epic Estates

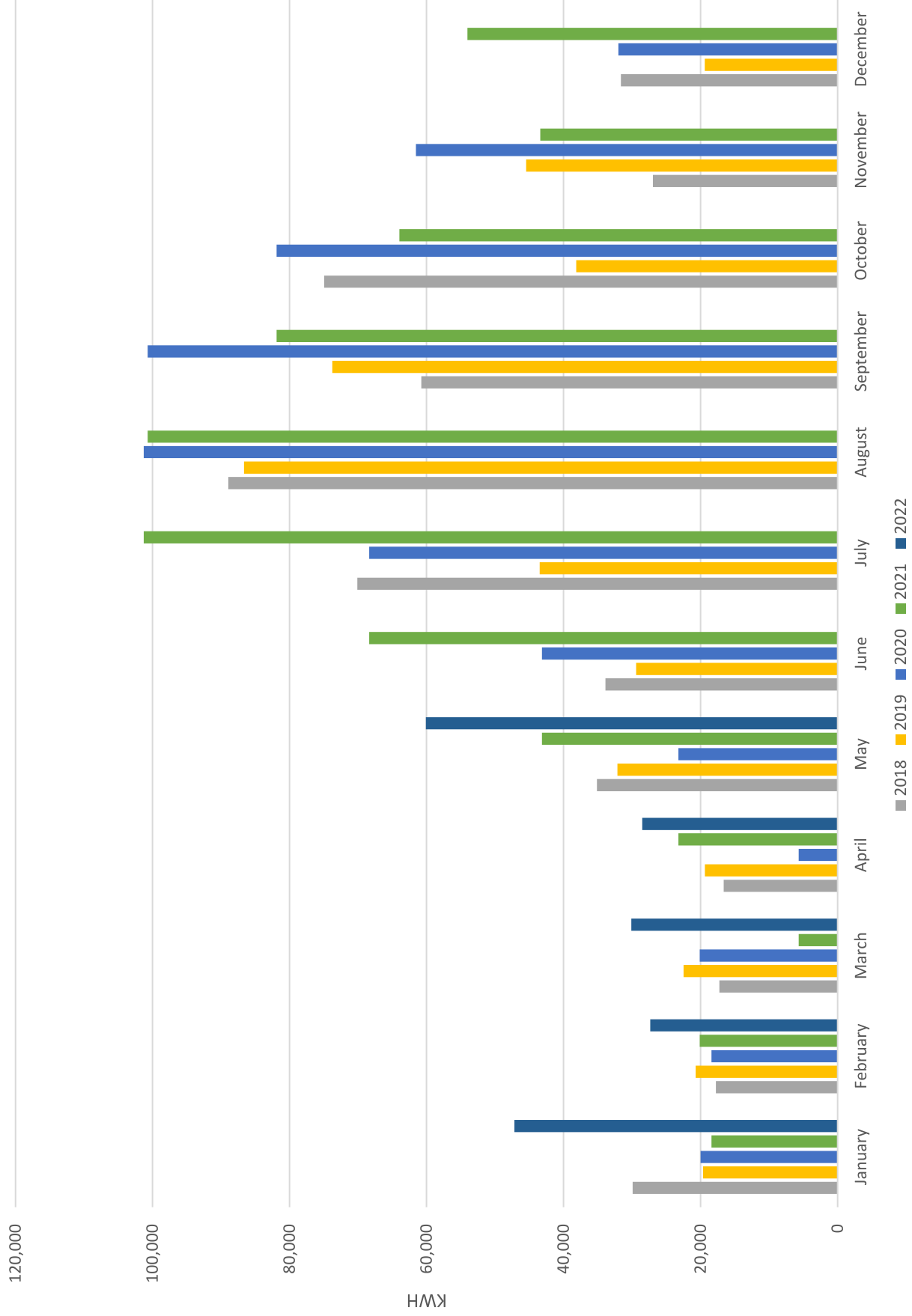
Element attended a meeting discussing water rights and potential water treatment for the proposed development.

No work this period.

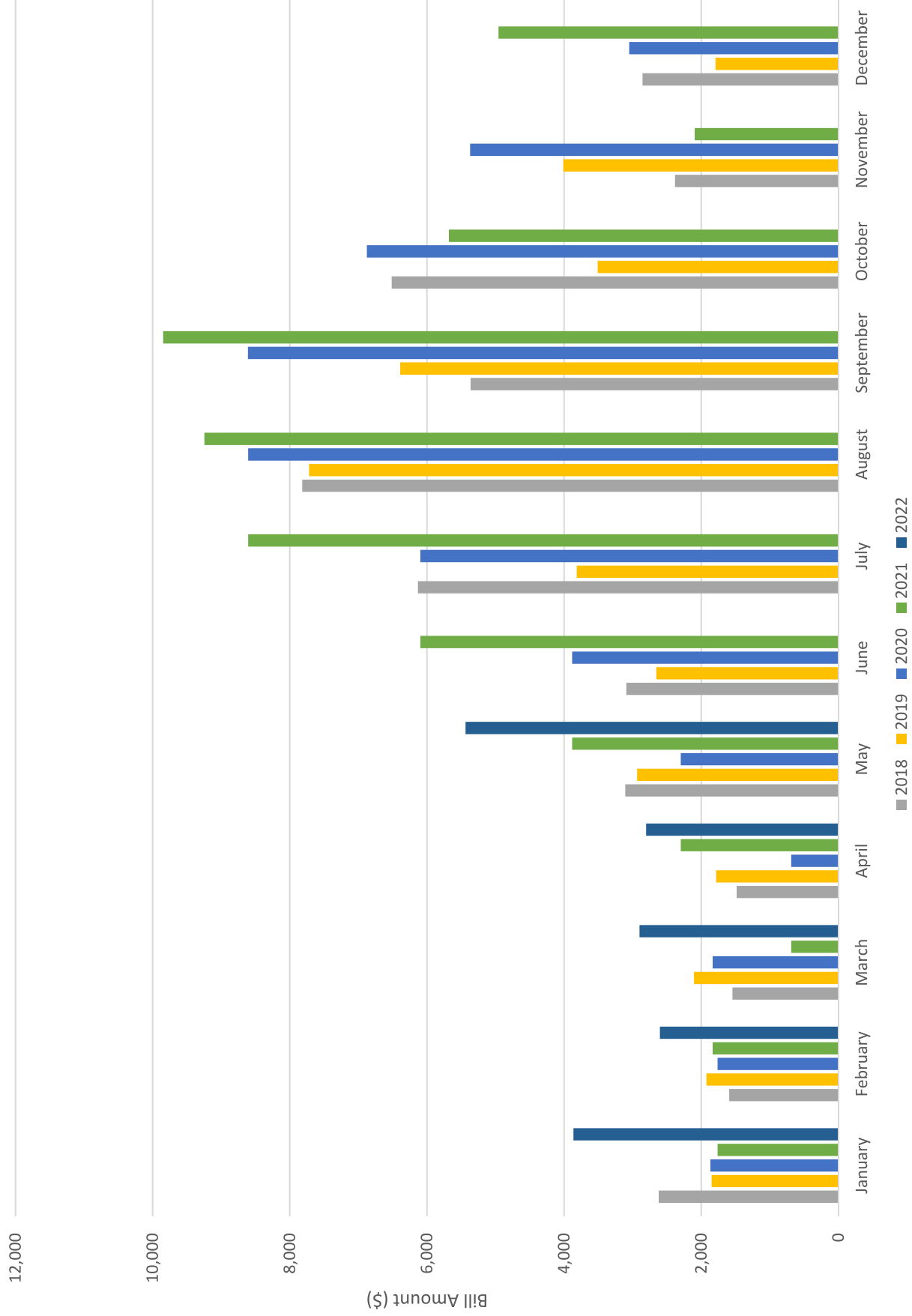
5. Horse Creek Retreat

No work this period.

District-Wide Energy Use by Month (KWH)



District-Wide Electrical Billing by Month (\$)





Ramey Environmental Compliance, Inc.
Management and Operation Solutions for
Water and Wastewater Treatment
303-833-5505

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Greatrock North Water & Sewer District
ORC Report
September 6, 2022

Rocking Horse Farms Tank Fill Valve

The RHF Tank fill valve is experiencing ongoing issues with automatic control. REC and TLECC verified the issues are not electrical or SCADA control problem. A local CLA-Valve representative was contacted to schedule a site visit to inspect the valve to determine the best course of action moving forward. In the meantime, tank fill is being manually controlled by REC.

Update – Local CLA-Valve Representative, Pipestone Equipment, onsite to access RHF fill valve. Pipestone Equipment believes the control issues are due to an internal pressure loss through the internal components of the valve. REC is coordinating with Element Engineering to develop a plan to isolate the valve for inspection. Presently there is no isolation valve within the PRV pit and no valves indicated on plant drawings. Repair and/or replacement will need to take place during low demand season due to the inability to fill the tank while the valve is out of service.

Update – Site walk-through schedule for the first week of January with Element Engineering to review site layouts and develop plans for repairs.

Update – Site walk-thru completed with Element Engineering and Moltz Construction. After reviewing of site layout and plans it is confirmed there is no known isolation valve for the RHF tank fill valve. Element Engineering and REC developing plans for repair, but it is likely an insertion type isolation valve will need to be installed before replacement of the RHF fill valve.

Update – Element Engineering is developing the scope of work for Moltz Construction to repair.

Laramie Fox Hills 3 Well

The VFD for the Laramie Fox Hills has failed and will need to be replaced. Operations responded to a good failure alarm and found the VFD screen unresponsive. REC ESD was called onsite to further troubleshoot and found the VFD had experienced an electrical issue causing many of the internal components to be damaged. The VFD has been bypassed allowing LFH3 to be used at full speed for augmentation. REC ESD is presently working on pricing and availability for a replacement VFD and will submit an estimate once this information is received.

Update – VFD replacement was approved during the previous month's board meeting however REC ESD is sourcing an alternative VFD due to the long lead time of the original replacement. The updated quote has been forwarded for approval.

Update – VFD for LF3 is on order with an anticipated delivery of estimated delivery of July 2022.

Update – VFD for LF3 has shipped with anticipated delivery the week of 8/29/22.

Augmentation

On 7/25/22 BBA Water requested augmentation of 110 GPM, the request was completed on 7/25/22.

On 8/3/22 BBA Water requested augmentation of 130 GPM, the request was completed on 8/3/22.

On 8/17/22 BBA Water requested augmentation of 155 GPM, the request was completed on 8/17/22.

Additional Services

REC replaced 17-meter registers following the zero-consumption list for billing. Additional parts are on order with Badger Meter with no estimated time of delivery due to backorder.

Annual disinfection byproduct sampling completed 8/19/22.

REC ESD and Applied Ingenuity onsite the week of 7/26/22 to troubleshoot ALV 1 pump faults. Applied Ingenuity found faulty wiring within the wellhead and was able to repair and get ALV 1 operation without having to remove the well pump/motor.

Water Quality

| Month | ALV 1 | | ALV2 | | BECR | | RHF | | GRN | |
|-----------|----------|---------------|----------|---------------|----------|---------------|----------|---------------|----------|---------------|
| | TDS mg/L | Hardness mg/L | TDS mg/L | Hardness mg/L | TDS mg/L | Hardness mg/L | TDS mg/L | Hardness mg/L | TDS mg/L | Hardness mg/L |
| August | | | | | 778 | 382 | 758 | 308 | 762 | 312 |
| July | 1031 | 503 | 1037 | 497 | 709 | 324 | 718 | 327 | 742 | 314 |
| June | | | | | 718 | 321 | 689 | 298 | 693 | 302 |
| May | | | | | 691 | 277 | 762 | 313 | 743 | 308 |
| April | 1050 | 433 | 795 | 415 | 495 | 165 | 385 | 125 | 369 | 118 |
| March | | | | | 387 | 128 | 572 | 219 | 513 | 190 |
| February | 846 | 388 | 824 | 387 | 553 | 297 | 699 | 299 | 723 | 292 |
| January | | | | | 658 | 275 | 678 | 265 | 662 | 268 |
| December | | | | | 675 | 295 | 658 | 282 | 638 | 291 |
| November | 1087 | 451 | 1180 | 450 | 621 | 237 | 653 | 240 | 643 | 238 |
| October | | | | | 684 | 244 | 432 | 145 | 470 | 155 |
| September | | | | | 333 | 100 | 362 | 111 | 355 | 109 |
| August | 998 | 421 | 1208 | 547 | 713 | 315 | 617 | 261 | 639 | 272 |
| July | | | | | 654 | 275 | 615 | 278 | 648 | 280 |
| Minimum | 846 | 388 | 795 | 387 | 333 | 100 | 362 | 111 | 355 | 109 |
| Maximum | 1087 | 451 | 1208 | 547 | 718 | 321 | 762 | 313 | 743 | 308 |
| Average | 995 | 423 | 1002 | 450 | 599 | 244 | 594 | 236 | 591 | 235 |

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