

GREATROCK NORTH WATER AND SANITATION DISTRICT

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Greenwood Village, CO 80111
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www.colorado.gov/greatrocknorthwsd

Mission: To provide the highest quality of water at the most affordable price for current customers and to provide for the expansion of the District as growth occurs.

NOTICE OF SPECIAL MEETING AND AGENDA

DATE: July 6, 2021
TIME: 4:30 P.M.
LOCATION: **DUE TO CONCERNS REGARDING THE SPREAD OF THE CORONAVIRUS (COVID-19) AND THE BENEFITS TO THE CONTROL OF THE SPREAD OF THE VIRUS BY LIMITING IN-PERSON CONTACT. THIS MEETING WILL BE HELD BY VIDEO/TELEPHONIC MEANS WITHOUT ANY INDIVIDUALS (NEITHER DISTRICT REPRESENTATIVES NOR THE GENERAL PUBLIC) ATTENDING IN PERSON.**

ACCESS: You can attend the meeting in any of the following ways:

- To attend via Zoom videoconference use the below link –
<https://zoom.us/j/95665329591?pwd=U0Y2TmErNTNnWVByWVVB4K2FUMk1SZz09>
Meeting ID: 956 6532 9591 **Password:** 487087
- Or by calling 1-346-248-7799 (& entering Meeting ID and password)

<u>Board of Directors:</u>	<u>Office</u>	<u>Term Expires</u>
Robert William Fleck	President	May, 2023
John D. Wyckoff	Vice President	May, 2022
Jeffrey Polliard	Treasurer	May, 2022
Brian K. Rogers	Secretary	May, 2023
Dave Lozano	Asst. Secretary	May, 2022

Consultants:

Lisa A. Johnson	District Manager
Jennifer Gruber Tanaka, Esq.	District General Counsel
Nicholaus Marcotte, PE	District Engineer
Mike Murphy	District Operator in Responsible Charge

Greatrock North Water and Sanitation District
July 6, 2021 Agenda

I. ADMINISTRATIVE MATTERS (Action Items Status Matrix – enclosure - 002)

A. Present Disclosures of Potential Conflicts of Interest.

B. Approve Agenda.

C. Board of Director’s Report.

D. District Manager’s Report (enclosure – 003).

II. CONSENT AGENDA

A. These items are considered to be routine and will be approved by one motion. There will be no separate discussion of these items unless requested; in which event, the item will be removed from the Consent Agenda and considered in the Regular Agenda.

1. Approve the Minutes of the June 1, 2021 special meeting (enclosure – 004).
 2. Ratify approval of the payment of claims for the period ending June 18, 2021 in the amount of \$73,585.45 (enclosure - 005).
 3. Operations and Maintenance Activities Report (enclosure – 006).
 4. Review meter installation report (enclosure – 007).
 5. Acceptance of cash position schedule and unaudited financial statements for the period ending May 31, 2021 and Inclusion Summary (enclosure – 008).
 6. Ratify approval of 2nd Addendum to Independent Contractor Agreement with Worth Hydrochem for membrane replacements (enclosure – 009).
 7. Final acceptance of the Rocking Horse Farms Pump Station Improvements Project (included in Engineer’s Report).
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III. FINANCIAL MATTERS

A. Status of 2020 draft audit. Review and consider approval of 2020 Audit extension request (enclosure- 010).

IV. ENGINEER’S REPORT (enclosure - 011)

A. Capital Projects Update

1. Third Alluvial Well
-

2. Evaporation Pond

- a. Status of condemnation efforts

- b. Review scope of work, schedule and cost to finalize design and CDPHE requirements related to 3rd evaporation pond from Element Engineering (enclosure – 012).

3. Reverse Osmosis Treatment Facility

V. OPERATIONS AND MAINTENANCE MATTERS (ORC Report – enclosure – 013)

VI. LEGAL MATTERS

VII. OTHER MATTERS

- A. Status of Homestead Heights/Country Club Ranchettes #1.

- B. Status of Hayesmount Estates.

- C. Status of Ridgeview Estates.

VIII. COMMUNITY COMMENTS (ITEMS NOT ON THE AGENDA ONLY. COMMENTS LIMITED TO 3 MINUTES PER PERSON AND TAKEN IN ORDER LISTED ON SIGN UP SHEET).

IX. ADJOURNMENT

**THE NEXT MEETING IS SCHEDULED
for Tuesday, August 3, 2021
at 4:30 p.m.**

Greatrock North Water and Sanitation District Action Items Status Matrix—2021

Action Items	Date of Meeting	Assigned To	Deadline	Priority	Not Started	In Process	Reoccurring	Follow up Required	Complete	Notes
INCLUSION AND DEVELOPMENT MATTERS										
Homestead Heights Development (a/k/a Country Club Ranchettes Filing No. 1)	12/6/16	Brad	N/A	2		X				<p>12/15/2020: Brad is reviewing submittals for the off-site water connections and requested information on the RHF check valve vault from Manhard Consulting.</p> <p>1/7/2021: New list started. Items preceding 12/2020 on prior action items lists.</p> <p>1/17/2021: Brad emails Laurie at Manhard re: the revised information Blanco needs to resubmit on the RHF check valve vault.</p> <p>1/20/2021: Blanco emails revised submittal for RHF check valve vault to Brad. Brad to review and comment.</p> <p>2/10/2021: Jay Scolnick indicates he has selected a different contractor to perform the work. Brad advised Jay the District needs a schedule and requires a pre-construction meeting.</p> <p>2/18/2021: Brad emailed Jay to request a pre-construction meeting.</p> <p>4/13/21: Jay Scolnick emails inquiry on status of construction observations on Blanco by Bryan Dalrymple; Brad forwards email to Bryan</p> <p>4/19/21: MMI meeting with Bryan Dalrymple to review inspection and testing records cancelled due to weather forecast.</p> <p>05/10/2021: A pre-construction meeting scheduled for May 11 for the on-site water system improvements was postponed since the developer does not have plans approved by Adams County therefore no work can be performed within the new rights-of-way.</p> <p>05/10/2021: Adams County cannot approve the plans or issue any permits until the County has received and approved the surety for the SIA.</p>
Country Club Ranchettes Filing No. 2 Inclusion	3/5/19	Brad Jennifer	N/A	2					X	<p>12/16/2020: Jennifer provided comments on agreement to group. Board to discuss agreement at January meeting. Anticipate holding hearing at February meeting.</p> <p>1/5/2021: Board presented with draft agreement for direction and discussion. Board to conduct inclusion hearing at February meeting. Jennifer to update agreement per Board direction for</p>

Greatrock North Water and Sanitation District Action Items Status Matrix—2021

Action Items	Date of Meeting	Assigned To	Deadline	Priority	Not Started	In Process	Reoccurring	Follow up Required	Complete	Notes
										<p>Lisa to circulate to Jay for review and comment. Jennifer to publish for public hearings in February.</p> <p>1/7/2021: New list started. Items preceding 12/2020 on prior action items lists.</p> <p>1/17/2021: Jay phones Brad and indicates he has another engineer analyzing the topography on Parcel 4 in hopes of platting more lots. District will need to analyze water rights available to support more lots.</p> <p>2/18/2021: Brad emailed Jay for an update on analysis.</p> <p>4/12/21: Jay Scolnick emails a conceptual lot plan for Sierra Vista Ranchettes totaling 25 lots, but some lots are on property to be retained by District</p> <p>4/16/21: Brad Simons requests grading plan for conceptual lot plan</p> <p>4/22/21: Jay Scolnick emails and indicates Matrix Design made an error and is revising conceptual lot plan.</p> <p>5/4/2021: BOD considers request to restrict irrigated area to 1,000 square feet. BOD denies request. Chris to inform Jay.</p> <p>05/17/2021: Jay’s engineer presents an alternative concentrate line alignment based upon revised platting concept. Brad’s requests conceptual grading for the alternative alignment.</p> <p>6/7/21: Lisa reports property owner is withdrawing his petition for inclusion.</p>
Ridgeview Estates	3/3/2020	Brad	N/A	2		X				<p>12/10/2020: Brad meets w/ Blanco Inc. at site of water tie-in at Great Rock Way to review layout and design.</p> <p>1/7/2021: New list started. Items preceding 12/2020 on prior action items lists.</p> <p>1/7/2021: Met yesterday with Blanco regarding tie in at tank site.</p> <p>1/13/2021: GN residents report brown water following tie-in in Great Rock Way. Bryan flushes fire hydrants.</p> <p>2/18/2021: Brad talked with David Moore and emailed DM a request for an updated schedule for coordination with REC and testing required.</p> <p>5/4/2021: onsite water improvements in process and project is almost complete.</p>

Greatrock North Water and Sanitation District Action Items Status Matrix—2021

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CAPITAL PROJECT MATTERS										
Third Alluvial Well	2/5/19	Brad Chris	N/A	2		X				<p>1/5/2021: Brad received memo from Tim Crawford regarding ALV-5. Quantity from well site is favorable. Quality less favorable than other locations but better from monitoring well. Memo summarizing results sent to Brad to review for comment.</p> <p>1/7/2021: New list started. Items preceding 2021 on prior action items lists.</p> <p>1/11/2021: Brad meets w/ Tony Lopez re: well site easement and pipeline easement. Brad to work up exhibit and discuss w/ Brian at Manhard.</p> <p>2/18/2021: Brad talked with Tim Crawford regarding the well site and pipeline easement needs.</p> <p>4/6/21: Brad emails proposed easements layout to Tim/Chris and requests information from Jay Scolnick and Brian Pfohl</p> <p>4/9/21: Jay indicates easements should be on title work.</p>
Evaporation Pond Matters	1/1/19	Brad	N/A	1		X				<p>1/5/2021: Profile has not changed. Brad to submit to CDPHE again. Need to finalize easement with Jay. If cannot be finalized in 2 weeks, Board to consider moving forward with condemnation proceedings.</p> <p>1/7/2021: New list started. Items preceding 2021 on prior action items lists.</p> <p>1/7/2021: Brad to review options available to expedite process through CDPHE.</p> <p>1/20/2021: Lisa emailed Jody and Jennifer to schedule call related to condemnation efforts to acquire final easement needed to construct pond.</p> <p>2/2/2021: Brad working to finalize easement agreement and legal description. Brad to send to Lisa for next steps when complete.</p> <p>2/2/2021: Brad will provide updated cost estimate.</p> <p>4/9/2021: Brad asked to schedule a meeting with the committee to review additional information / may ask Nick to assist with Evaporation Pond project.</p> <p>5/4/2021: Brad informed the Board that he is no longer able to continue with this project. The Board asked Lisa to gather a</p>

Greatrock North Water and Sanitation District Action Items Status Matrix—2021

Action Items	Date of Meeting	Assigned To	Deadline	Priority	Not Started	In Process	Reoccurring	Follow up Required	Complete	Notes
										list of qualified firms and contact them to solicit interest and a proposal.
Reverse Osmosis Upgrade and Building Project	2/19/19	Brad Nick	N/A	1		X				12/1/2020: Nick provided updated to Board. Finalizing 95% plans. Followed up with CDPHE to get comments. No comments or questions received to date. Ran into issue with the concentrate line which was discussed with the Board. 1/5/2021: No comments received from CDPHE yet. 1/7/2021: New list started. Items preceding 12/2020 on prior action items lists. 4/9/2021: Nick will follow up with CDPHE on status of final project approval. Bids are due by April 16, 2021. 5/4/2021: BOD awarded contract to Moltz Construction. Nick to draft Notice of Award etc. BOD to review CM proposal and provide comments to Rob by 5/12/2021.
SCADA/Telemetry Control Upgrade	2/19/19	Brad Mike Brian	N/A	1		X				10/16/2020: Nick has developed control loop descriptions for review. 1/7/2021: New list started. Items preceding 12/2020 on prior action items lists. 2/10/2021: Rob Fleck requests information on cybersecurity matters for proposed (and existing) SDACA systems. 4/15/2021: TLECC has completed preliminary review of cyber security. TLECC to provide estimate for a cyber security audit.
Badger Meter Radio Read Upgrades	10/2/18	Lisa	N/A	1		X				1/5/2021: 41 remaining meters to complete the project. 1/7/2021: New list started. Items preceding 2021 on prior action items lists. 02/15/21: Lisa to send John and Brian the addresses in RHF that still need replacement. 3/2/21: The final 3 outside meter upgrades are scheduled in Box Elder Creek Ranch for 3/3/21. 9 meters left to complete after these are done.
Rocking Horse Farms Water Meter Upgrade	6/7/21	Lisa	N/A			X				6/7/21: Lisa to bill the fee for meter reading services to customers in Rocking Horse Farms who have not replaced their meters.
OPERATIONAL MATTERS										
Pond Liner for Existing	4/3/18	Brad	N/A	1		X				Brad to research options and reporting obligations for leak in

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Evaporation Ponds		Mike Nick								<p>pond liner. Brad to discuss at May meeting.</p> <p>5/1/18: Brad reviewed issue with Board. Brad to collect more data and continue to monitor.</p> <p>10/23/18: Q4 2018 EDOP water quality reports received from Miki Drieth, of REC, and will be evaluated by Brad.</p> <p>5/15/19: Q2 2019 EDOP water quality reports received from Miki Drieth, of REC, and will be evaluated by Brad.</p> <p>10/15/19: Brad received Q3 2019 water quality reports for ALV-1, North Pond, and South Pond.</p> <p>3/25/20: Brad emailed REC for updated water quality reports.</p> <p>3/31/2020: Updated water quality results provided by Miki (REC) and will be integrated into the EDOP for the new concentrate pond.</p> <p>1/7/2021: Brad to work with Mike.</p> <p>05/23/2021: Brad to review most recent well, permeate, and pond water quality results in relation to RO WTP performance concerns.</p> <p>6/7/21: Lisa is working to obtain from MMI a summary of work completed. Nick is interested in in continuing relationship with expanded role. Nick to prepare a proposal and timeline to provide engineering services to complete project.</p>
Water Pressure Issues	11/6/18	Mike Brad Bryan	N/A						X	<p>10/15/2020: Continue to troubleshoot and conduct studies to determine issues and various pressure locations.</p> <p>10/2/20: Pressure Loggers launched at 29240 E. 165th Ave for 7 days. Logged pressures at residents home avg. approx. 15 psi lower than system pressure.</p> <p>1/7/2021: New list started. Items preceding 10/2020 on prior action items lists.</p> <p>1/7/2021: Brad and Mike to review issues on site periodically to review status and options. Work with Brian on educational piece with historical background.</p> <p>4/19/2021: Staff to meet with Director Wyckoff to troubleshoot pressure issues at his home. John postpones meeting due to weather forecast</p> <p>5/4/2021: John reported that he met with Brad and Mike and</p>

Greatrock North Water and Sanitation District Action Items Status Matrix—2021

Action Items	Date of Meeting	Assigned To	Deadline	Priority	Not Started	In Process	Reoccurring	Follow up Required	Complete	Notes
										they are doing some additional testing to determine what may be causing pressure issues and TDS issues. 5/6/21: REC onsite at John’s house to investigate pressure issues and inspect water meter. Pressure increased by 10 psi after water meter was removed, inspected, and placed back in service. 6/7/2021: John met with Bryan to troubleshoot water pressure issues at his home. Bryan removed, inspected, and reinstalled water meter which corrected the water pressure issue.
Well Pumping Capacity and Water Level Measurements		Brad Mike		2		X				12/15/20: Repairs have been completed to LFH well level transducer wiring and level is reporting again. REC to verify level reading with nitrogen gas. 1/7/2021: New list started. Items preceding 10/2020 on prior action items lists.
Rocks in Brine Discharge Pipe	6/4/19	Mike Brad	N/A	3		X				1/7/2021: New list started. Items preceding 10/2020 on prior action items lists. 1/7/2021: Rocks not causing issues right now. Cannot push them out at any point. Would need to cut pipe, clean out and replace area. Do work with pond liner possibly. Not a current emergency. Mike to obtain pricing from Blanco and Dan LaCoe for doing work so can be incorporated into budget.
BECR Curb Stop Exercising	5/5/2020	Mike	N/A	2		X				1/7/2021: New list started. Items preceding 2021 on prior action items lists. 1/5/2021: About half done with project. Making note of problem areas to circle back to.
Water Quality Issues	9/1/2020	Mike Brad	N/A	2		X				Brad and Mike to look into issues with water quality. 9/10/2020: RO runtime increased to maximum run time to treat as much water as possible. 9/11/2020: REC removes RO runtime restrictions in an effort to reduce TDS and hardness in potable water. 11/10/20: Adjusted RO operation to further increase run times. 12/15/2020: Discussed water quality matters during 4 th quarter operations meeting. Bryan to assess operating scenarios and report back on RO operations. 1/6/2021: Brad and Brian met at RO WTP to review process piping.

Greatrock North Water and Sanitation District Action Items Status Matrix—2021

Action Items	Date of Meeting	Assigned To	Deadline	Priority	Not Started	In Process	Reoccurring	Follow up Required	Complete	Notes
										<p>4/9/2021: Mike to investigate issues from operations perspective and will report back.</p> <p>4/28/2021: REC performed extended CIP(clean in place) procedure on RO system to attempt to improve performance.</p> <p>5/5/2021: Additional samples collected on RO water to see if performance had improved. Results show little to no change in RO performance.</p> <p>6/7/21: Mike to schedule meeting with Earl at Worth Hydrochem to inspect membranes to try to determine why TDs are high. Mike will solicit a proposal if needed.</p> <p>6/24/21: Worth Hydrochem onsite to access RO Treatment Skid. Hydrochem recommends full membrane replacement and controller troubleshooting. Proposal submitted to BOD for both on 6/28/21.</p>
SCADA Operations	12/14/2020	Mike	N/A	2		X				<p>12/14/20: TLECC onsite working on additional alarm programming for remote alarm system and troubleshooting daily flow report.</p> <p>4/19/2021: Staff continues to work on re-establishing daily SCADA reports transmission.</p> <p>4/23/2021: Reports are being generated again, but there are still discrepancies in the data being generated. REC continuing to work with TLECC to get the data generated correctly.</p> <p>05/23/2021: Brad contacts Dan Schulelke (TLECC) again about reports and data accuracy.</p> <p>6/7/21: Mike reports that SCADA system is making random call-outs and he can't log-in remotely to the system. Working with TLECC to troubleshoot.</p> <p>6/21/21: REC worked with TLECC, HOA Solutions, and CenturyLink to resolve SCADA issues. The phone line was replaced, and programing changes made to the auto-dialer to improve functionality.</p>
RHF Generator Replacement	1/7/2021	Mike	N/A	3		X				<p>Mike to obtain pricing for replacement of generator.</p> <p>4/12/2021: Generator Source onsite to gather information for RHF generator replacement.</p>
Google Search	2/2/2021	Krista	N/A	3		X				<p>Research Google Search engine to update District address and contact information.</p>

Greatrock North Water and Sanitation District Action Items Status Matrix—2021

Action Items	Date of Meeting	Assigned To	Deadline	Priority	Not Started	In Process	Reoccurring	Follow up Required	Complete	Notes
Flow Meter Installation at Bypass Piling – Alluvial Well No. 1 and 2	5/4/2021	Mike	N/A	1		X				5/4/2021: BOD approved REC proposal. Mike to schedule work 5/5/2021: Parts ordered by REC and work to be scheduled as soon as they arrive.
WELL AND WATER MATTERS										
19CW3231 – Statement of Opposition	3/3/2020	Matt	N/A	1		X				2/28/2020: Statement of opposition filed with Court.
20CW3214 – Statement of Opposition	1/5/2021	Lisa Alan	N/A	1		X				Lisa to contact Alan Curtis re representation of District on matter. Case requests for changes of water rights on Box Elder Creek and amendments to a previously decreed augmentation plan that has depletions and replacements on Box Elder Creek. 01/20/2021: Lisa obtained executed engagement letter from all parties. Lisa working with Martin and Wood to discuss the current need for water rights engineering services.
Renewable Water Rights	5/4/2021	Chris	N/A			X				Chris presented options for acquisition of renewable water rights. BOD directed Chris to continue discussions with all options presented.
FINANCIAL MATTERS										
Delinquent accounts	2/2/2021	CLA				X				2/2/2021: Board directed staff to reinstate late fees with April 2021 billing. Intent to re-start late fees to be communicated on Feb. and March billing. Reinstate delinquent notices March 2021 and send second notices in April 2021. Water shut offs possible by May 2021. 02/15/2021: Information was relayed to residents in their February bill. 4/19/2021: Information was also included in March billing. 5/4/2021: Lisa reported that several customers have contacted UB to request payment arrangements.
ADMINISTRATIVE MATTERS										
Contracts for Renewal, Addenda, and Termination	9/29/2020	Lisa Jennifer	10/30/2020	1		X				12/1/2020: Board approved. Lisa to get executed. 6/7/21: Terminate ICA with MMI Water Engineers and draft ICA with Element Engineering for General Engineering Services.
Cybersecurity Efforts	3/2/21	Brad	N/A							3/2/21: Brad is meeting with the firm that has proposed for

Greatrock North Water and Sanitation District Action Items Status Matrix—2021

Action Items	Date of Meeting	Assigned To	Deadline	Priority	Not Started	In Process	Reoccurring	Follow up Required	Complete	Notes
		Mike								SCADA/telemetry on the new plant to discuss protections within their system. 3/2/21: Mike will work with TLECC to discuss additional options for protection of current system.
2021 Legislative Session	6/7/21	Jennifer	N/A			X				6/7/21: Jennifer provided an update on 2021 legislation related to metro districts. Plan to provide Board with summary memo of relevant changes after session ends.



Date: June 28, 2021

To: Greatrock North Water and Sanitation District, Board of Directors

From: Lisa A. Johnson, District Manager

Re: July 6, 2021 Manager's Report

Agenda Action Items

II.A. Consent Agenda

1. Approve the Minutes of the June 1, 2021 special meeting.
2. Ratify approval of the payment of claims for the period ending June 30, 2021.
3. Operations and Maintenance Activities Report.
4. Review meter installation report.
5. Acceptance of cash position schedule, property tax schedule and unaudited financial statements for the period ending May 31, 2021 and inclusion summaries.
6. Ratify approval of 2nd Addendum to Independent Contractor Agreement with Worth Hydrochem for membrane replacements.
7. Final acceptance of the Rocking Horse Farms Pump Station Improvements Project.

I recommend approval of the consent agenda items.

III.A. 2020 Audit

I received notification from the District's Accountant that an extension of time to file the 2020 audit will be needed. The form is included in the packet for review and execution.

I recommend approval of the request for an extension to file the 2020 audit.

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

Updates provided in the Engineer's Report.

VII.B. Hayesmount Estates

19 System Development Fees have been paid as of February 21, 2020.

VII.C. Ridgeview Estates

Updates provided in the Engineer's Report.

Review of monthly Water Resumes and Other Water Related Matters

Attorney Poznanovic has reviewed the May resume and did not find any cases he recommends the District oppose.

Update on other District Related Matters and/or Committee Meetings

Directors Wyckoff, Rogers and I met with Mr. Marcotte and Mr. Hager to begin the onboarding process for general engineering services. The meeting went well and was very productive. Director Wyckoff, Mr. Marcotte and I will be attending a weekly call to discuss work in progress.

In addition, we have a meeting scheduled on June 30, 2021 with REC to continue discussions related to onboarding Element Engineering.

RECORD OF PROCEEDINGS

MINUTES OF A SPECIAL MEETING OF THE BOARD OF DIRECTORS OF THE GREATROCK NORTH WATER AND SANITATION DISTRICT HELD JUNE 1, 2021

A special 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, June 1, 2021 at 4:30 P.M. Due to COVID-19, the meeting was conducted via video conference – Microsoft Teams. The meeting was open to the public.

ATTENDANCE

Directors in Attendance:

Robert W. Fleck
John D. Wyckoff
Jeffrey Polliard
Brian K. Rogers

Absent and excused was Director Dave Lozano.

Also in Attendance Were:

Lisa A. Johnson, Rebecca Gianarkis and Cindy Jenkins; CliftonLarsonAllen LLP (“CLA”)
Jennifer Gruber Tanaka, Esq.; White Bear Ankele Tanaka & Waldron, P.C.
Mike Murphy; Ramey Environmental Compliance, Inc.
Nick Marcotte; Element Engineering, LLC

DISCLOSURE OF POTENTIAL CONFLICTS OF INTEREST

Attorney Tanaka 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 Fleck, Wyckoff, Polliard, and Rogers each confirmed that they had no conflicts of interest in connection with any of the matters listed on the Agenda.

ADMINISTRATIVE MATTERS

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

Board of Director’s Report: Director Wyckoff summarized recent efforts made by Bryan Dalrymple with Ramey Environmental Compliance, Inc, to troubleshoot his water pressure issues. Mr. Dalrymple removed and inspected the water meter and reinstalled it. This effort has corrected the water pressure issues at Director Wyckoff’s home. Director Wyckoff extended his appreciation to Mr.

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Dalrymple for his efforts.

District Manager's Report: Ms. Johnson presented her report to the Board. 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. Approve the Minutes of the May 4, 2021 special meeting.
2. Ratify approval of the payment of claims for the period ending May 24, 2021 in the amount of \$60,217.80.
3. Operations and Maintenance Activities Report.
4. Review meter installation report.
5. Acceptance of Cash Position Schedule and Unaudited Financial Statements for the period ending April 30, 2021 and Inclusion Summary.
6. Ratify approval of the 3rd Addendum to Construction Management Agreement with Element Engineering, LLC.

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, as presented.

FINANCIAL MATTERS

None.

ENGINEER'S REPORT

The Board reviewed the Engineer's Report. A copy of the report is attached hereto and incorporated herein by this reference.

Mr. Murphy commented on recent efforts to determine the cause of the high total dissolved solids (TDS) in the water supply. He will contact Earl Young at Worth Hydrochem and schedule a meeting with him to inspect the membranes and system for possible causes. If it is determined that the membranes need to be replaced, Mr. Murphy will solicit a proposal. Upon a motion duly made by Director Rogers, seconded by Director Fleck and, upon vote, unanimously carried, the Board approved the replacement of the membranes, if needed.

CAPITAL PROJECTS UPDATES:

Third Alluvial Well: No new updates to report.

Reverse Osmosis Treatment Facility: Mr. Marcotte presented an update on the Reverse Osmosis Treatment Facility project.

Water Meter Upgrade Project: Ms. Johnson reported that she will begin billing customers in Rocking Horse Farms that have not replaced their meters

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for the monthly fee of meter reading services beginning in July.

OPERATIONS / MAINTENANCE MATTERS

Operator in Responsible Charge (ORC) Report: Mr. Murphy presented his report and noted that Inland Potable began the tank cleaning and inspections this week and the work is progressing nicely with the inspections. He also mentioned that he recently began to experience issues with the SCADA system making random callouts and then was unable to remotely log in to the system. He is working with Timber Line Electric and Control Corp. to troubleshoot the issues. A copy of the report is attached hereto and incorporated herein by this reference.

LEGAL MATTERS

Country Club Ranchettes #2 Petition for Inclusion and Inclusion Agreement: Ms. Johnson reported that the property owner notified her that he is withdrawing his petition for inclusion.

Legislative Matters from 2021 Session: Attorney Tanaka provided an update on the 2021 legislation that is being considered this legislative session related to special districts. Once the session has ended, she will provide a memo to the Board summarizing the legislation passed that will affect the District.

OTHER BUSINESS

Status of Homestead Heights/Country Club Ranchettes #1: No new updates to report.

Status of Hayesmount Estates: No new updates to report.

Status of Ridgeview Estates: No new updates to report.

Evaporation Pond:

Status of Condemnation Efforts: Ms. Johnson provided a summary of the condemnation efforts to date.

Status of Request for Proposals from Qualified Engineering Firms to Finish the Design, Engineering and Construction Management of the Evaporation Pond: Ms. Johnson provided an update on the effort and direction she received since the last Board meeting related to soliciting interest from a qualified engineer to complete the pond project. She summarized her efforts to obtain a summary of the work completed from MMI Water Engineers, LLC.

Director Wyckoff then summarized his efforts in working with Director Fleck and Ms. Johnson regarding the same. He also discussed with the Board a recent conversation he had with Mr. Marcotte regarding his interest in providing additional engineering services to the District as well as his direction to Ms. Johnson to send a demand letter to MMI Water Engineers, LLC for the pond files. Ms. Johnson noted that the files related

RECORD OF PROCEEDINGS

to the pond were transmitted to her by 9 a.m. this morning.

Director Wyckoff shared with the Board that he feels that the Board needs to take action to terminate the Independent Contractor Agreement with MMI Water Engineers, LLC for General Engineering Services and to consider approval of an Independent Contractor Agreement with Element Engineering, LLC for those services.

Mr. Marcotte responded with his interest in continuing his relationship with the District in this expanded role. He then reported that once he has reviewed the pond files that were sent to Ms. Johnson by MMI Water Engineers, LLC, he will prepare a proposal and timeline to provide engineering services to complete the pond project.

The Board discussed the information shared and presented.

Independent Contractor Agreement with MMI Water Engineers, LLC: Following discussion, upon a motion duly made by Director Wyckoff, seconded by Director Fleck and, upon vote, unanimously carried, the Board approved the termination of the Independent Contractor Agreement with MMI Water Engineers, LLC.

Proposal from Element Engineering, LLC for General Engineering Services: Following discussion, upon a motion duly made by Director Wyckoff, seconded by Director Polliard and, upon vote, unanimously carried, the Board approved an Independent Contractor Agreement with Element Engineering, LLC for General Engineering Services, subject to finalization of scope of work.

COMMUNITY
COMMENTS

None.

ADJOURNMENT

There being no further business to come before the Board at this time, upon a motion duly made by Director Fleck, seconded by Director Wyckoff and, upon vote, unanimously carried, the meeting was adjourned at 6:17 p.m.

Respectfully submitted,

By _____
Secretary for the Meeting

Greatrock North Water & Sanitation District
 May Claims
 June 18, 2021

Vendor	Invoice #	Date	Amount
*CenturyLink	7191112907MAY21	5/1/2021	\$ 272.47
*MyAssetMap	E5F5CDB-0040	5/31/2021	199.99
*United Power Inc	12341500MAY21	5/31/2021	375.77
*United Power Inc	2893502MAY21	5/31/2021	655.55
*United Power Inc	6666302MAY21	5/31/2021	1,100.62
*United Power Inc	7891601MAY21	5/31/2021	1,483.70
*Xcel Energy	5398600067MAY21	5/31/2021	52.54
*Xcel Energy	5336053542MAY21	5/31/2021	53.11
		Auto Pay	<u>\$ 4,193.75</u>
Agfinity Inc.	155590	3/30/2021	\$ 399.36
Agfinity Inc.	155589	3/30/2021	473.95
Agfinity Inc.	155588	3/30/2021	500.09
Alderman Bernstein	16857	5/31/2021	1,253.20
Bishop Brogden Associates, Inc	48025	5/15/2021	610.50
Bishop Brogden Associates, Inc	48023	5/15/2021	1,625.25
Bishop Brogden Associates, Inc	48024	5/15/2021	2,395.50
CliftonLarsonAllen LLP	2911847	5/31/2021	1,892.81
CliftonLarsonAllen LLP	2909645	5/31/2021	3,040.84
CliftonLarsonAllen LLP	2887187	4/30/2021	7,981.99
CliftonLarsonAllen LLP	2909643	5/31/2021	8,128.58
Diversified Underground	23639	4/30/2021	370.00
Element Engineering, LLC	001-13	5/31/2021	280.00
Element Engineering, LLC	0002A-16	5/31/2021	5,172.80
Element Engineering, LLC	0002C-01	5/31/2021	10,865.00
Elite Industries, Inc.	7046	5/31/2021	931.30
Generator Source	148001050	5/1/2021	1,107.52
Generator Source	148001052	5/1/2021	1,256.38
Hayes Poznanovic Korver LLC	42711	5/31/2021	72.00
Inland Potable Services Inc.	C07-060221	6/7/2021	5,500.00
MMI Water Engineers, LLC	1463	6/7/2021	462.00
MMI Water Engineers, LLC	1462	6/7/2021	2,552.54
Pest Predator	2142	5/28/2021	240.00
Point & Pay	9792-2021-05-v.1	5/31/2021	525.14
Ramey Enviromental Compliance, Inc	22349	5/31/2021	6,040.30
United Site Services, Inc	114-11970873	5/18/2021	207.01
United Site Services, Inc	114-12075751	6/15/2021	207.01
Utility Notification Center of Colorado	221040686	4/30/2021	27.72
Utility Notification Center of Colorado	221050684	5/31/2021	48.84
White Bear Ankele Tanaka & Waldron	16198	5/31/2021	5,224.07
		Bill.com	<u>\$ 69,391.70</u>
Grand Total			<u><u>\$ 73,585.45</u></u>



Greatrock North Water & Sewer District Monthly Activities Report May 15, 2021 to June 14, 2021

Daily Operations Summary

Greatrock North: Record LFH Well #1, UKA Well #1, and distribution flow totalizers. Visual inspection of generator to record run hours and check for any active faults. Collect and analyze chlorine residual sample each visit. Collect entry point sample to analyze for pH and conductivity weekly. Complete walk through of pump station to inspect distribution pumps, distribution pressure/tank level, and verify operation of PRV.

Rocking Horse Farms: Record LFH Well #2, UKA Well #3, and distribution flow totalizers. Visual inspection of generator to record run hours and check for any active faults. Collect and analyze chlorine residual sample each visit. Collect entry point sample to analyze for pH and conductivity weekly. Complete walk through of pump station to inspect distribution pumps, distribution pressure/tank level, and verify operation of PRV.

Box Elder: Check SCADA for any active alarms and record process numbers. Record flow totalizers for wells, RO skid, and distribution meters. Visual inspection of generator to record run hours and check for any active faults. Collect and analyze chlorine residual sample each visit. Collect entry point sample to analyze for pH and conductivity weekly. Complete walk through of pump station to inspect distribution pumps, distribution pressure/tank level, and verify operation of PRV. Complete walk through of RO building to verify proper operation and record equipment run hours. Check chemical feed systems for proper operation and refill day tanks, as necessary.

5/17/21(1.83hrs) Routine site visit, regular rounds and daily activities completed. Primed chlorine injection and cleaned chlorine injection quill.

5/19/21(2.0hrs) Routine site visit, regular rounds and daily activities completed. Collected TDS, hardness and Bac-T samples and delivered them to the lab.

5/21/21(1.33hrs) Routine site visit, regular rounds and daily activities completed. Filled chlorine day tank.

5/24/21(1.33hrs) Routine site visit, regular rounds and daily activities completed.

5/26/21(1.67hrs) Routine site visit, regular rounds and daily activities completed. Trained another REC employee on facility operation and daily activities.

5/28/21(1.5hrs) Routine site visit, regular rounds and daily activities completed. Added chlorine to day tank, added antiscalent to day tank for the RO.

5/31/21(2hrs) Routine site visit, regular holiday rounds and daily activities completed.

6/2/21(1.67hrs) Routine site visit, regular rounds and daily activities completed.

6/4/21(1.5hrs) Routine site visit, regular rounds and daily activities completed.

6/7/21(1.83hrs) Routine site visit, regular rounds and daily activities completed.

6/9/21(1.67hrs) Routine site visit, regular rounds and daily activities completed. Filled chlorine day tank.

6/10/21(1.43hrs) Faulty valve on RHF tank caused it to over-flow during the night. Closed the tank valve manually and took over the automation to fill the tanks, and monitored the levels throughout the day.

6/11/21(1.5hrs) Routine site visit, regular rounds and daily activities completed.

6/11/21(2.13hrs) Adjusting valves at GRN and RHF to fill the tanks at the proper speed.

6/14/21(1.42hrs) Routine site visit, regular rounds and daily activities completed. Lowered chlorine injection pump speed from 100% to 95%.

May 15th 2021 – June 14th 2021

RO Run Time	37.6 Hours
RO Concentrate Flow: 1 Pond (South)	67,752 Gallons

Sampled Date: May 19, 2021

Monthly Testing	TDS (mg/L)	Calcium (mg/L)	Magnesium (mg/L)	Total Hardness (mg/L)
BE	779	80.6	15.96	266.8
RHF	765	80.2	16.11	266.6
GRN	749	81.1	15.76	267.3

Date	Permeate Flow	Concentrate Flow	% Recovery	Permeate Conductivity	Hour Meter
5/17/21	0	0	0	0	175.06
5/19/21	0	0	0	0	177.17
5/21/21	0	0	0	0	179.76
5/25/21	0	0	0	0	184.89
5/26/21	0	0	0	0	186.45
5/28/21	0	0	0	0	189.65
5/31/21	0	0	0	0	195.03
6/2/21	0	0	0	0	196.55
6/4/21	0	0	0	0	198.84
6/7/21	0	0	0	0	202.64
6/9/21	0	0	0	0	205.59
6/11/21	0	0	0	0	207.68
6/14/21	0	0	0	0	212.70

Installed From: 05/12/21 To: 06/14/21

Current Account	Name	Location	Service Address	SVC	Svc Size	Svc Type	User Type	Flat Chg Amount	Last Bill Amount	Last Bill Date	Install Date	Line Code	Meter Pulled
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GREATROCK NORTH WATER & SANITATION DISTRICT
FINANCIAL STATEMENTS
MAY 31, 2021

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GREATROCK NORTH WATER & SANITATION DISTRICT
Statement of Net Position - Enterprise Fund
MAY 31, 2021

	Enterprise
CURRENT ASSETS	
First Bank - Checking	\$ 31,483
First Bank - Lockbox	606,298
Colostrust	4,369,164
Accounts Receivable - Customers	24,639
Accounts Receivable - Certified with County	4,286
Receivable from County Treasurer	95,021
AR - Inclusions	(3,349)
Total Current Assets	5,127,542
CAPITAL ASSETS	
Water Distribution System	9,387,464
Land	94,243
Water Rights	980,105
Easements	152,989
Construction in Progress	1,026,539
Accumulated Depreciation	(3,264,861)
Net Capital Assets	8,376,479
OTHER ASSETS	
Prepaid Bond Insurance, Net	33,576
Deferred Loss on Refunding	302,847
Other Assets	336,423
Total Assets	\$ 13,840,444
LIABILITIES AND DEFERRED INFLOWS OF RESOURCES	
CURRENT LIABILITIES	
Accounts Payable	\$ 73,581
Deposit - Refundable Water Meter	850
Bond Series 2017 - Current portion	75,000
Loan Series 2020 - Current Portion	110,000
Accrued Interest Payable	26,004
Total Current Liabilities	285,435
LONG - TERM LIABILITIES	
Loan - Series 2020	1,860,000
GO Bonds - Series 2017	4,460,000
Bond Premium, Net	317,570
Total Long-Term Liabilities	6,637,570
DEFERRED INFLOWS OF RESOURCES	
Unearned Service Fees	3,877
Total Deferred Inflows of Resources	3,877
NET POSITION	
Net Position	6,913,562
Total Net Position	6,913,562
TOTAL LIABILITIES, DEFERRED INFLOWS OF RESOURCES	
AND NET POSITION	\$ 13,840,444

No assurance is provided on these financial statements. Substantially all required disclosures, the government-wide financial statements, and the statement of revenues, expenditures and changes in fund balances – governmental funds have been omitted.

GREATROCK NORTH WATER & SANITATION DISTRICT
STATEMENT OF REVENUES, EXPENSES
AND CHANGES IN NET POSITION
FOR THE FIVE MONTHS ENDED MAY 31, 2021

ENTERPRISE FUND

	Year to Date Actual
OPERATING REVENUES:	
Service Charges - Greatrock	\$ 46,007
Service Charges - Rocking Horse	33,047
Service Charges - Box Elder	74,428
Service Charges - Hayesmount	6,730
Inspection Fees	515
Transfer Fees	1,925
Utility Penalties	(154)
Box Elder - Water Lease Irrigation	7,500
TOTAL OPERATING REVENUES	169,998
OPERATING EXPENSES:	
Utilities	17,133
Customer Billing	15,230
Distribution System Mntc	400
Engineering - Administration	5,307
Engineering - Operations	1,924
Facility Maintenance & Repair	11,918
Generator Preventative Mntc	3,633
GIS	1,753
Locates	2,285
Maintenance & Repair - Box Elder	1,373
Meter Reading	3,859
Operator Services	27,973
Plant Supplies	3,142
Project Mgmt / Oper Admin	670
Testing and Reporting	3,383
Treatment - Maintenance & Repair	3,179
Water Meters - Cap	713
Water Rights Dev - Eng.	12,306
Water Rights Dev - Legal	3,986
TOTAL OPERATING EXPENSES	120,167
NET INCOME (LOSS)	49,831
OTHER REVENUES AND (EXPENDITURES)	
Property Taxes	576,519
Specific Ownership Taxes	32,675
Interest Income	1,369
Available of Service Fees	1,439
Accounting	(23,187)
Audit	(656)
County Treasurer's Fee	(8,562)
Directors' Fees	(2,900)
District Management	(40,627)
Dues and Membership	(1,228)
Insurance and Bonds	(17,837)
Legal	(14,761)
Miscellaneous	(3,494)

No assurance is provided on these financial statements. Substantially all required disclosures, the government-wide financial statements, and the statement of revenues, expenditures and changes in fund balances – governmental funds have been omitted.

**GREATROCK NORTH WATER & SANITATION DISTRICT
STATEMENT OF REVENUES, EXPENSES
AND CHANGES IN NET POSITION
FOR THE FIVE MONTHS ENDED MAY 31, 2021**

ENTERPRISE FUND

Payroll Taxes	(222)
Bond Interest - 2017	(89,322)
Loan Interest - 2020	<u>(16,173)</u>
TOTAL OTHER REVENUES AND (EXPENDITURES)	<u>393,033</u>
CHANGE IN NET POSITION	<u>442,864</u>
BEGINNING NET POSITION	<u>6,470,701</u>
ENDING NET POSITION	<u><u>\$ 6,913,565</u></u>

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SUPPLEMENTARY INFORMATION

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GREATROCK NORTH WATER & SANITATION DISTRICT
SCHEDULE OF REVENUES, EXPENDITURES AND
CHANGES IN NET POSITION - BUDGET AND ACTUAL
FOR THE FIVE MONTHS ENDED MAY 31, 2021

ENTERPRISE FUND

	<u>Annual Budget</u>	<u>Year to Date Actual</u>	<u>Variance</u>	<u>YTD Actual / Annual Budget</u>
REVENUES				
Service Charges - Greatrock	\$ 163,723	\$ 46,007	\$ (117,716)	28.10 %
Service Charges - Rocking Horse	120,355	33,047	(87,308)	27.46 %
Service Charges - Box Elder	198,813	74,428	(124,385)	37.44 %
Service Charges - Hayesmout	25,676	6,730	(18,946)	26.21 %
Inspection Fees	2,000	515	(1,485)	25.75 %
Transfer Fees	3,000	1,925	(1,075)	64.17 %
Utility Penalties	-	(154)	(154)	-%
Water Meters	3,000	-	(3,000)	-%
Box Elder - Water Lease Irrigation	7,500	7,500	-	100.00 %
Late Fees / Penalties	9,000	-	(9,000)	-%
Property Taxes	957,174	576,519	(380,655)	60.23 %
Specific Ownership Taxes	67,002	32,675	(34,327)	48.77 %
Interest Income	30,000	1,369	(28,631)	4.56 %
Available of Service Fees	2,000	1,439	(561)	71.95 %
TOTAL REVENUES	<u>1,589,243</u>	<u>782,000</u>	<u>(807,243)</u>	<u>49.21 %</u>
EXPENDITURES				
Administrative	224,068	113,474	110,594	50.64 %
Operations	652,293	120,167	532,126	18.42 %
Capital	3,267,500	89,668	3,177,832	2.74 %
Debt Service	389,395	105,495	283,900	27.09 %
TOTAL EXPENDITURES	<u>4,533,256</u>	<u>428,804</u>	<u>4,104,452</u>	<u>9.46 %</u>
OTHER FINANCING SOURCES (USES)				
TOTAL OTHER FINANCING SOURCES (USES)	<u>-</u>	<u>-</u>	<u>-</u>	<u>-%</u>
REVENUES OVER (UNDER) EXPENDITURES - BUDGET BASIS	<u>(2,944,013)</u>	<u>353,196</u>	<u>3,297,209</u>	
ADJUSTMENTS TO RECONCILE BUDGET BASIS TO GAAP BASIS				
Capital Outlay		89,668		
CHANGE IN NET POSITION		<u>442,864</u>		
BEGINNING NET POSITION		<u>6,470,701</u>		
ENDING NET POSITION		<u>\$ 6,913,565</u>		
Funds Available are Calculated as Follows:				
Current Assets		\$ 5,127,540		
Current Liabilities		(285,435)		
Deferred Inflows of Resources		(3,877)		
		<u>\$ 4,838,228</u>		

No assurance is provided on these financial statements. Substantially all required disclosures, the government-wide financial statements, and the statement of revenues, expenditures and changes in fund balances – governmental funds have been omitted.

GREATROCK NORTH WATER & SANITATION DISTRICT
SCHEDULE OF EXPENDITURE DETAIL
FOR THE FIVE MONTHS ENDED MAY 31, 2021

29

ENTERPRISE FUND

	Annual Budget	Year to Date Actual	Variance	YTD Actual / Annual Budget
Administrative				
Accounting	\$ 32,000	\$ 23,187	\$ 8,813	72.46 %
Audit	9,000	656	8,344	7.29 %
County Treasurer's Fee	14,358	8,562	5,796	59.63 %
Directors' Fees	6,000	2,900	3,100	48.33 %
District Management	62,000	40,627	21,373	65.53 %
Dues and Membership	-	1,228	(1,228)	-
Insurance and Bonds	22,000	17,837	4,163	81.08 %
Legal	63,250	14,761	48,489	23.34 %
Miscellaneous	15,000	3,494	11,506	23.29 %
Payroll Taxes	460	222	238	48.26 %
Total Administrative	<u>224,068</u>	<u>113,474</u>	<u>110,594</u>	<u>50.64 %</u>
Operations				
Utilities	50,000	17,133	32,867	34.27 %
Contingency	75,000	-	75,000	-
Customer Billing	25,000	15,230	9,770	60.92 %
Distribution System Mntc	42,223	400	41,823	0.95 %
Engineering - Administration	35,350	5,307	30,043	15.01 %
Engineering - Operations	33,320	1,924	31,396	5.77 %
Equipment and Tools	5,000	-	5,000	-
Facility Maintenance & Repair	15,800	11,918	3,882	75.43 %
Generator Preventative Mntc	12,600	3,633	8,967	28.83 %
GIS	8,000	1,753	6,247	21.91 %
Locates	5,000	2,285	2,715	45.70 %
Maintenance & Repair - Box Elder	-	1,373	(1,373)	-
Meter Reading	3,000	3,859	(859)	128.63 %
Operator Services	64,800	27,973	36,827	43.17 %
Plant Supplies	11,500	3,142	8,358	27.32 %
Project Mgmt / Oper Admin	11,200	670	10,530	5.98 %
Rules and Regulations	1,500	-	1,500	-
Testing and Reporting	12,000	3,383	8,617	28.19 %
Treatment - Maintenance & Repair	44,000	3,179	40,821	7.23 %
Water Meters - Cap	1,000	713	287	71.30 %
Water Rights Dev - Eng.	32,000	12,306	19,694	38.46 %
Water Rights Dev - Legal	75,000	3,986	71,014	5.31 %
Well - Rehab & Repair	89,000	-	89,000	-
Total Operations	<u>652,293</u>	<u>120,167</u>	<u>532,126</u>	<u>18.42 %</u>
Capital				
Alluvial Well	105,000	2,129	102,871	2.03 %
Concentrate Pond	1,010,000	18,231	991,769	1.81 %
Reverse Osmosis Unit Upgrade	2,152,500	64,182	2,088,318	2.98 %
Meter Upgrades	-	5,127	(5,127)	-
Total Capital	<u>3,267,500</u>	<u>89,669</u>	<u>3,177,831</u>	<u>2.74 %</u>
Debt Service				
Bond Principal - 2017	75,000	-	75,000	-
Bond Principal - 2020	110,000	-	110,000	-
Bond Interest - 2017	178,643	89,322	89,321	50.00 %
Loan Interest - 2020	24,552	16,173	8,379	65.87 %
Paying Agent Fees	1,200	-	1,200	-
Total Debt Service	<u>389,395</u>	<u>105,495</u>	<u>283,900</u>	<u>27.09 %</u>
TOTAL	<u>\$ 4,533,256</u>	<u>\$ 428,805</u>	<u>\$ 4,104,451</u>	<u>9.46 %</u>

No assurance is provided on these financial statements. Substantially all required disclosures, the government-wide financial statements, and the statement of revenues, expenditures and changes in fund balances – governmental funds have been omitted.

**GREATROCK NORTH WATER AND SANITATION DISTRICT
2021 BUDGET
SUMMARY OF SIGNIFICANT ASSUMPTIONS**

Services Provided

Greatrock North Water and Sanitation District (District), was organized on May 27, 1998, as a quasi-municipal corporation and a political subdivision of the State of Colorado, and is governed pursuant to provisions of the Colorado Special District Act (Title 32, Article 1, Colorado Revised Statutes). The District's service area is located in Adams County, Colorado. The District's purpose is to design, financing, acquisition and construction of certain infrastructure improvements necessary to provide public water and stormwater drainage and detention to the property owners and residents of the District.

The District has no employees and all operations and administrative functions are contracted.

The District prepares its budget on the modified accrual basis of accounting in accordance with the requirements of Colorado Revised Statutes C.R.S. 29-1-105 using its best estimates as of the date of the budget hearing. These estimates are based on expected conditions and its expected course of actions. The assumptions disclosed herein are those that the District believes are significant to the budget. There will usually be differences between the budget and actual results, because events and circumstances frequently do not occur as expected, and those differences may be material. For financial statements reporting under generally accepted accounting principles (GAAP), the District uses the full accrual basis of accounting. Consequently, the terminology of "Funds Available" is used in the budget to distinguish the difference from GAAP accounting for Fund Balance. Funds Available represents each fund's current assets less its current liabilities except for the current portion of long-term debt. In addition, the budget separates individual funds, which are included as one entity in the GAAP presentation.

The budget provides for the annual debt service on the District's general obligation debt as well as the general operation of the District and capital improvements.

Revenues

Property Taxes

Property taxes are levied by the District's Board of Directors. The levy is based on assessed valuations determined by the County Assessor generally as of January 1 of each year. The levy is normally set by December 15 by certification to the County Commissioners to put the tax lien on the individual properties as of January 1 of the following year. The County Treasurer collects the determined taxes during the ensuing calendar year. The taxes are payable by April or, if in equal installments, at the taxpayer's election, in February and June. Delinquent taxpayers are notified in August and generally sales of the tax liens on delinquent properties are held in November or December. The County Treasurer remits the taxes collected monthly to the District.

The calculation of the taxes levied is displayed on the Property Tax Summary Information page of the budget using the adopted mill levy imposed by the District.

**GREATROCK NORTH WATER AND SANITATION DISTRICT
2021 BUDGET
SUMMARY OF SIGNIFICANT ASSUMPTIONS**

Revenues (continued)

Specific Ownership Taxes

Specific ownership taxes are set by the State and collected by the County Treasurer, primarily on vehicle licensing within the County as a whole. The specific ownership taxes are allocated by the County Treasurer to all taxing entities within the County. The budget assumes that the District's share will be equal to approximately 7% of the property taxes collected by the General Fund and Debt Service Fund.

Water Service Charges

The District bills its customers monthly for water services. Revenue for water service is comprised of billings to residential customers. Fees are based upon a base fee and water meter readings at established rates.

Availability of Service Fees

The District anticipates collecting approximately \$2,000 in availability of service fees. Availability of service fees are imposed on properties in need of future services.

Water Lease Irrigation

The District anticipates collecting \$7,500 from Box Elder Creek Ranch Water Company for the option to lease a portion of its Laramie-Fox Hills aquifer ground water available for specific uses.

Net Investment Income

Interest earned on the District's available funds has been estimated based on historical interest earnings.

Expenditures

Administrative and Operating Expenditures

Administrative expenditures include the estimated services necessary to maintain the District's administrative viability such as legal, management, accounting, insurance, and meeting expense. Operating and maintenance expenditures are estimated expenditures related to the operation, repair and maintenance of the District water plant and systems.

County Treasurer's Fees

County Treasurer's fees have been computed at 1.5% of property tax collections.

Capital Outlay

The budget anticipates construction activity during 2021, primarily for infrastructure improvements within the development. These expenditures are detailed within the budget.

**GREATROCK NORTH WATER AND SANITATION DISTRICT
2021 BUDGET
SUMMARY OF SIGNIFICANT ASSUMPTIONS**

Expenditures (continued)

Debt Service

Principal and interest payments in 2021 are provided based on the debt amortization schedule from the \$4,750,000 Series 2017 General Obligation Refunding and Improvement Bonds and the \$1,970,000 Series 2020 Loan Agreement (discussed under Debt and Leases).

Debt and Leases

Series 2017

On December 21, 2017, the District issued \$4,750,000 in Series 2017 General Obligation Refunding and Improvement Bonds, which bears average interest of 2.950%, maturing on December 1, 2044. The Series 2017 Bonds refunded the Series 2007 Bonds and provided \$2,000,000 for capital infrastructure projects.

The bonds are secured by and payable from the levy of ad valorem taxes consisting of monies derived by the District from the following sources, net of any collection costs (1) revenues from an ad valorem mill levy imposed upon all taxable property of the District each year, and (2) the portion of the specific ownership tax which is collected as a result of the imposition of the mill levy. The District is required to levy an ad valorem tax to pay the principal of, and interest on, the bonds without limitation as to rate and in an amount sufficient to pay the bonds when due. The adopted mill levies imposed the District, are displayed on the Property Tax Summary Information page of the budget.

Series 2020

On September 10, 2020, the District issued \$1,970,000 of debt under the Series 2020 Loan Agreement, which bears interest of 1.320%, maturing on December 1, 2030. The Series 2020 Loan refunded the Series 2010 Bonds.

The bonds are secured by and payable from the levy of ad valorem taxes consisting of monies derived by the District from the following sources, net of any collection costs (1) revenues from an ad valorem mill levy imposed upon all taxable property of the District each year, and (2) the portion of the specific ownership tax which is collected as a result of the imposition of the mill levy. The District is required to levy an ad valorem tax to pay the principal of, and interest on, the bonds without limitation as to rate and in an amount sufficient to pay the bonds when due. The adopted mill levies imposed the District, are displayed on the Property Tax Summary Information page of the budget.

The District has no capital or operating leases.

**GREATROCK NORTH WATER AND SANITATION DISTRICT
2021 BUDGET
SUMMARY OF SIGNIFICANT ASSUMPTIONS**

Reserves

Emergency Reserve

The District has provided for an emergency reserve equal to at least 3% of the fiscal year spending as defined under TABOR.

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This information is an integral part of the accompanying budget.

GREATROCK NORTH WATER AND SANITATION DISTRICT
DEBT MATURITY SCHEDULE

Year Ending	General Obligation Refunding and Improvement Bonds, Series 2017 Maturity December 1, 2044 Interest - 2.950% Interest Due June 1 and December 1 Principal Due December 1			General Obligation Refunding Loan Series 2020 Maturity December 1, 2030 Interest - 1.320% Interest Due June 1 and December 1 Principal Due December 1			Totals		
	Principal	Interest	Total	Principal	Interest	Total	Principal	Interest	Total
2021	\$ 75,000	\$ 178,643	\$ 253,643	\$ 110,000	\$ 26,004	\$ 136,004	\$ 185,000	\$ 204,647	\$ 389,647
2022	85,000	175,644	260,644	105,000	24,552	129,552	190,000	200,196	390,196
2023	-	172,244	172,244	190,000	23,166	213,166	190,000	195,410	385,410
2024	-	172,244	172,244	210,000	20,658	230,658	210,000	192,902	402,902
2025	-	172,244	172,244	215,000	17,886	232,886	215,000	190,130	405,130
2026	-	172,244	172,244	215,000	15,048	230,048	215,000	187,292	402,292
2027	-	172,244	172,244	230,000	12,210	242,210	230,000	184,454	414,454
2028	-	172,244	172,244	225,000	9,174	234,174	225,000	181,418	406,418
2029	-	172,244	172,244	230,000	6,204	236,204	230,000	178,448	408,448
2030	-	172,244	172,244	240,000	3,168	243,168	240,000	175,412	415,412
2031	240,000	172,244	412,244	-	-	-	240,000	172,244	412,244
2032	250,000	162,644	412,644	-	-	-	250,000	162,644	412,644
2033	260,000	152,644	412,644	-	-	-	260,000	152,644	412,644
2034	270,000	142,243	412,243	-	-	-	270,000	142,243	412,243
2035	280,000	131,444	411,444	-	-	-	280,000	131,444	411,444
2036	290,000	120,243	410,243	-	-	-	290,000	120,243	410,243
2037	300,000	108,644	408,644	-	-	-	300,000	108,644	408,644
2038	315,000	96,643	411,643	-	-	-	315,000	96,643	411,643
2039	320,000	84,044	404,044	-	-	-	320,000	84,044	404,044
2040	345,000	68,043	413,043	-	-	-	345,000	68,043	413,043
2041	360,000	50,794	410,794	-	-	-	360,000	50,794	410,794
2042	370,000	38,644	408,644	-	-	-	370,000	38,644	408,644
2043	385,000	26,156	411,156	-	-	-	385,000	26,156	411,156
2044	390,000	13,163	403,163	-	-	-	390,000	13,163	403,163
	<u>\$ 4,535,000</u>	<u>\$ 3,099,832</u>	<u>\$ 7,634,832</u>	<u>\$ 1,970,000</u>	<u>\$ 158,070</u>	<u>\$ 2,128,070</u>	<u>\$ 6,505,000</u>	<u>\$ 3,257,902</u>	<u>\$ 9,762,902</u>

No assurance is provided on these financial statements. Substantially all required disclosures, the government-wide financial statements, and the statement of revenues, expenditures and changes in fund balances – governmental funds have been omitted.

GREATROCK NORTH WATER & SANITATION DISTRICT
Schedule of Cash Position
May 31, 2021
Updated as of June 17, 2021

	Enterprise Fund
<u>First Bank - Checking Account (7792)</u>	
Balance as of May 31, 2021	\$ 31,482.63
Subsequent activities:	
06/01/21 - Deposit	899.10
06/02/21 - Deposit	713.47
06/02/21 - Bill.com Payables	(712.88)
06/03/21 - Deposit	309.44
06/03/21 - Bill.com Payables	(6,500.00)
06/03/21 - Directors' Fees	(430.60)
06/04/21 - Deposit	660.24
06/04/21 - Deposit	846.78
06/07/21 - Deposit	875.19
06/08/21 - Deposit	297.68
06/10/21 - Deposit	168.85
06/11/21 - Deposit	55.00
06/15/21 - Deposit	179.53
06/16/21 - Deposit	1,084.58
06/16/21 - Bill.com Payables	(1,976.68)
<i>Anticipated CenturyLink ACH</i>	(265.10)
<i>Anticipated United Power ACH</i>	(3,615.64)
<i>Anticipated Xcel ACH</i>	(105.65)
<i>Anticipated MyAssetMap ACH</i>	(199.99)
<i>Anticipated Transfer from CT</i>	70,000.00
<i>Anticipated Bill.com Payables</i>	(69,391.70)
<i>Anticipated balance</i>	<u>24,374.25</u>
<u>First Bank - Lockbox Account (3070)</u>	
Balance as of May 31, 2021	606,297.63
Subsequent activities:	
06/03/21 - Paymentech Fee	(30.00)
06/30/21 - Deposit (Utility Payments) - June	16,926.77
<i>Anticipated balance</i>	<u>623,194.40</u>
<u>ColoTrust - General</u>	
Balance as of May 31, 2021	4,369,163.52
Subsequent activities:	
<i>Anticipated Transfer to 1st Bank</i>	(70,000.00)
<i>Anticipated Transfer from CT-8002 - Interest Income</i>	0.30
<i>Anticipated balance</i>	<u>4,299,163.82</u>
<i>Grand Total</i>	\$ 647,568.65

Yield information as of 05/31/21:

FirstBank Lockbox - .05%

ColoTrust - 0.0574%

**GREATROCK NORTH WATER AND SANITATION DISTRICT
Property Taxes Reconciliation
2021**

	Current Year							Prior Year				
	Property Taxes	Delinquent Taxes, Rebates and Abatements	Specific Ownership Taxes	Interest	Treasurer's Fees	Net Amount Received	% of Total Property Taxes Received		Total Cash Received	% of Total Property Taxes Received		
							Monthly	Y-T-D		Monthly	Y-T-D	
Beg Balance												
January	\$ 6,862.71	\$ -	\$ 5,432.44	\$ -	\$ (102.94)	\$ 12,192.21	0.72%	0.72%	\$ 14,524.30	1.16%	1.16%	
February	411,555.00	(1,439.61)	7,032.21	(158.36)	(6,151.74)	410,837.50	42.85%	43.56%	339,271.47	43.13%	44.28%	
March	31,506.69	-	6,089.79	33.85	(473.11)	37,157.22	3.29%	46.86%	28,158.29	3.03%	47.31%	
April	32,491.80	-	7,533.78	22.32	(487.71)	39,560.19	3.39%	50.25%	73,983.59	8.99%	56.31%	
May	89,718.46	-	6,586.41	62.52	(1,346.71)	95,020.68	9.37%	59.62%	33,488.80	3.71%	60.01%	
June	-	-	-	-	-	-	0.00%	59.62%	297,562.29	37.78%	97.79%	
July	-	-	-	-	-	-	0.00%	59.62%	17,539.85	1.59%	99.38%	
August	-	-	-	-	-	-	0.00%	59.62%	6,300.87	0.00%	99.38%	
September	-	-	-	-	-	-	0.00%	59.62%	5,941.93	0.00%	99.38%	
October	-	-	-	-	-	-	0.00%	59.62%	6,295.24	0.20%	99.58%	
November	-	-	-	-	-	-	0.00%	59.62%	10,277.76	0.42%	100.00%	
December	-	-	-	-	-	-	0.00%	59.62%	4,894.73	0.00%	100.00%	
	\$ 572,134.66	\$ (1,439.61)	\$ 32,674.63	\$ (39.67)	\$ (8,562.21)	\$ 594,767.80	59.62%	59.62%	\$ 838,239.12	100.00%	100.00%	

Taxes Levied	% of Levied	Property Taxes Collected	% Collected to Amount Levied	
General Fund	\$ 621,145.00	64.89%	\$ 370,344.76	59.62%
Debt Service Fund	336,029.00	35.11%	200,350.29	59.62%
	\$ 957,174.00	100.00%	\$ 570,695.05	59.62%

Assessed Valuation	Mill Levy
	30.500
	16.500
\$ 20,365,420	47.000

Property Tax

General Fund	\$ 621,145.00	64.89%	\$ 370,344.76	59.62%
Debt Service Fund	336,029.00	35.11%	200,350.29	59.62%
	\$ 957,174.00	100.00%	\$ 570,695.05	59.62%

Specific Ownership Tax

General Fund	\$ 43,480.00	64.89%	\$ 21,203.74	48.77%
Debt Service Fund	23,522.00	35.11%	11,470.89	48.77%
	\$ 67,002.00	100.00%	\$ 32,674.63	48.77%

Treasurer's Fees

General Fund	\$ 9,317.00	64.90%	\$ 5,556.46	59.64%
Debt Service Fund	5,040.00	35.10%	3,005.75	59.64%
	\$ 14,357.00	100.00%	\$ 8,562.21	59.64%

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Greatrock North Water and Sanitation District
Inclusion Detail Report
As of May 25, 2021

Type	Date	Num	Name	Memo	Debit	Credit	Balance
401255 - AR - Country Club Ranch #2 Inclusion							
Bill	04/30/2019	4842	White Bear Ankele Tanaka & Waldron		1,276.13	-	1,276.13
Bill	05/15/2019	44689	Bishop Brogden Associates, Inc		106.50	-	1,382.63
Deposit	05/30/2019	1456	Premier Community Homes, Ltd	Deposit	-	5,000.00	(3,617.37)
Bill	05/31/2019	5116	White Bear Ankele Tanaka & Waldron		510.45	-	(3,106.92)
Deposit	06/17/2019	1492	Premier Community Developments, LTD	Deposit	-	5,000.00	(8,106.92)
Bill	06/30/2019	5679	White Bear Ankele Tanaka & Waldron		1,531.35	-	(6,575.57)
Bill	07/01/2019	30437	Petrock & Fendel, PC		1,192.50	-	(5,383.07)
Bill	07/15/2019	45064	Bishop Brogden Associates, Inc		5,652.33	-	269.26
Bill	07/31/2019	30540	Petrock & Fendel, PC		3,327.50	-	3,596.76
Bill	07/31/2019	July 2019	Special District Management Services, Inc		210.00	-	3,806.76
Bill	07/31/2019	6052	White Bear Ankele Tanaka & Waldron		4,544.34	-	8,351.10
Bill	07/31/2019	1158	MMI Water Engineers, LLC	Engineering Services July 2019	569.45	-	8,920.55
Bill	08/15/2019	45132	Bishop Brogden Associates, Inc		3,035.25	-	11,955.80
Bill	08/31/2019	30637	Petrock & Fendel, PC		742.50	-	12,698.30
Bill	08/31/2019	6488	White Bear Ankele Tanaka & Waldron		1,117.25	-	13,815.55
Bill	08/31/2019	1170	MMI Water Engineers, LLC	Engineering Services July 2019	511.50	-	14,327.05
Bill	09/30/2019	6883	White Bear Ankele Tanaka & Waldron		521.73	-	14,848.78
Bill	10/15/2019	45446	Bishop Brogden Associates, Inc		2,110.50	-	16,959.28
Bill	10/31/2019	7459	White Bear Ankele Tanaka & Waldron		776.95	-	17,736.23
Bill	11/11/2019	1202	MMI Water Engineers, LLC	Engineering Services Aug 2019	124.00	-	17,860.23
Bill	11/15/2019	45591	Bishop Brogden Associates, Inc	Country Club Ranchettes Filing #2	2,441.17	-	20,301.40
Deposit	11/25/2019	1603	Premier Community Developments, LTD	Deposit	-	18,351.10	1,950.30
Bill	11/30/2019	7751	White Bear Ankele Tanaka & Waldron	Inclusion	627.81	-	2,578.11
Bill	12/31/2019	8284	White Bear Ankele Tanaka & Waldron	Country Club Ranchettes Inclusion	340.30	-	2,918.41
Bill	01/15/2020	45839	Bishop Brogden Associates, Inc	Water Rights - Country Club Ranchettes Filing #2	328.50	-	3,246.91
Bill	01/31/2020	8797	White Bear Ankele Tanaka & Waldron	Inclusion	2,586.59	-	5,833.50
Bill	01/31/2020	31141	Petrock & Fendel, PC	Country Club Ranchettes	3,450.00	-	9,283.50
Bill	02/15/2020	45963	Bishop Brogden Associates, Inc	Country Club Ranchettes Filing #2	2,808.00	-	12,091.50
Bill	02/17/2020	1250	MMI Water Engineers, LLC	Country Club Ranch #2	1,081.27	-	13,172.77
Bill	02/28/2020	31220	Petrock & Fendel, PC	Country Club Ranchettes	1,068.50	-	14,241.27
Bill	02/29/2020	9026	White Bear Ankele Tanaka & Waldron	Inclusion	392.06	-	14,633.33
Bill	03/15/2020	46090	Bishop Brogden Associates, Inc	Country Club Ranchettes	460.50	-	15,093.83
Bill	03/22/2020	1256	MMI Water Engineers, LLC	Country Club Ranch #2 Inclusion	241.79	-	15,335.62
Bill	03/31/2020	9578	White Bear Ankele Tanaka & Waldron	Inclusion	746.20	-	16,081.82
Bill	03/31/2020	31295	Petrock & Fendel, PC	Country Club Ranchettes	1,853.00	-	17,934.82
Deposit	04/21/2020	1914	Premier Community Developments Ltd	Deposit	-	22,000.00	(4,065.18)
Bill	04/24/2020	1278	MMI Water Engineers, LLC	Country Club Ranch #2 Inclusion	80.00	-	(3,985.18)
Bill	04/30/2020	04/30/20	White Bear Ankele Tanaka & Waldron	Inclusion	310.58	-	(3,674.60)
Bill	04/30/2020	2487606	CliftonLarsonAllen LLP	Inclusion Costs	215.00	-	(3,459.60)
Bill	07/31/2020	11472	White Bear Ankele Tanaka & Waldron	Inclusion Costs	261.38	-	(3,198.22)
Bill	07/31/2020	2583683	CliftonLarsonAllen LLP	Inclusion Costs	193.50	-	(3,004.72)
Bill	08/15/2020	46778	Bishop Brogden Associates, Inc	Inclusion Costs	307.50	-	(2,697.22)
Bill	08/31/2020	11909	White Bear Ankele Tanaka & Waldron	Inclusion Costs	945.05	-	(1,752.17)
Bill	08/31/2020	2609106	CliftonLarsonAllen LLP	Inclusion Costs	129.00	-	(1,623.17)
Bill	08/31/2020	31658	Petrock & Fendel, PC	Inclusion Costs	253.00	-	(1,370.17)
Bill	09/14/2020	1339	MMI Water Engineers, LLC	Inclusion Costs	416.00	-	(954.17)
Bill	09/15/2020	46934	Bishop Brogden Associates, Inc	Inclusion Costs	3,300.00	-	2,345.83
Bill	09/30/2020	31720	Petrock & Fendel, PC	Inclusion Costs	1,482.50	-	3,828.33
Bill	09/30/2020	12375	White Bear Ankele Tanaka & Waldron	Inclusion Costs	609.88	-	4,438.21
Bill	09/30/2020	2638016	CliftonLarsonAllen LLP	Inclusion Costs	731.00	-	5,169.21
Bill	10/15/2020	47018	Bishop Brogden Associates, Inc	Inclusion Costs	1,403.25	-	6,572.46
Bill	10/20/2020	1352	MMI Water Engineers, LLC	Inclusion Costs	480.00	-	7,052.46
Bill	11/15/2020	47179	Bishop Brogden Associates, Inc	Inclusion Costs	2,324.25	-	9,376.71
Bill	11/15/2020	1356	MMI Water Engineers, LLC	Inclusion Costs	576.00	-	9,952.71
Bill	11/30/2020	31859	Petrock & Fendel, PC	Inclusion Costs	1,610.00	-	11,562.71
Deposit	11/20/2020	1117	Premier Community Developments Ltd	Deposit	-	5,000.00	6,562.71
Deposit	11/20/2020	2275	CC Ranchettes	Deposit	-	5,000.00	1,562.71
Bill	11/30/2020	13218	White Bear Ankele Tanaka & Waldron	Inclusion Costs	1,503.68	-	3,066.39
Bill	11/30/2020	2692405	CliftonLarsonAllen LLP	Inclusion Costs	814.00	-	3,880.39
Bill	12/14/2020	1371	MMI Water Engineers, LLC	Inclusion Costs	480.00	-	4,360.39
Bill	12/15/2020	47322	Bishop Brogden Associates, Inc	Inclusion Costs	2,190.00	-	6,550.39
Bill	12/31/2020	13972	White Bear Ankele Tanaka & Waldron	Inclusion Costs	871.25	-	7,421.64
Bill	12/31/2021	2718232	CliftonLarsonAllen LLP	Inclusion Costs	242.00	-	7,663.64
Bill	12/31/2021	31914	Petrock & Fendel, PC	Inclusion Costs	4,035.50	-	11,699.14
Bill	01/15/2021	47450.0	Bishop Brogden Associates, Inc	Inclusion Costs	3,274.50	-	14,973.64
Bill	01/24/2021	1386	MMI Water Engineers, LLC	Inclusion Costs	512.00	-	15,485.64
Bill	01/31/2021	2739122	CliftonLarsonAllen LLP	Inclusion Costs	198.00	-	15,683.64
Bill	01/31/2021	14178	White Bear Ankele Tanaka & Waldron	Inclusion Costs	1,905.99	-	17,589.63
Bill	02/28/2021	2768623	CliftonLarsonAllen LLP	Inclusion Costs	88.00	-	17,677.63
Bill	02/28/2021	14638	White Bear Ankele Tanaka & Waldron	Inclusion Costs	87.13	-	17,764.76
Bill	02/28/2021	42233	Hayes Poznanovic	Inclusion Costs	1,344.00	-	19,108.76
Bill	03/31/2021	42389	Hayes Poznanovic	Inclusion Costs	552.00	-	19,660.76
Bill	03/31/2021	2814287	CliftonLarsonAllen LLP	Inclusion Costs	154.00	-	19,814.76
Bill	04/15/2021	47869	Bishop Brogden Associates, Inc	Inclusion Costs	1,332.00	-	21,146.76
Bill	04/25/2021	1444	MMI Water Engineers, LLC	Inclusion Costs	82.50	-	21,229.26
Bill	04/30/2021	15855	White Bear Ankele Tanaka & Waldron	Inclusion Costs	348.50	-	21,577.76
Bill	04/30/2021	22215	Ramey Environmental Compliance	Inclusion Costs	361.00	-	21,938.76
Bill	04/30/2021	2863725	CliftonLarsonAllen LLP	Inclusion Costs	286.00	-	22,224.76
Bill	05/04/2021	42389	Hayes Poznanovic	Inclusion Costs	360.00	-	22,584.76
Bill	05/15/2021	48025	Bishop Brogden Associates, Inc	Inclusion Costs	610.50	-	23,195.26
Deposit	05/21/2021	1141	CC Ranchettes	Deposit	-	24,814.76	(1,619.50)
Bill	05/31/2021	16198	White Bear Ankele Tanaka & Waldron	Inclusion Costs	87.13	-	(1,532.37)
Bill	05/31/2021	42711	Hayes Poznanovic	Inclusion Costs	72.00	-	(1,460.37)
Bill	05/31/2021	2909643	CliftonLarsonAllen LLP	Inclusion Costs	22.00	-	(1,438.37)
Total 401255 - AR - Country Club Ranch #2 Inclusion					<u>83,727.49</u>	<u>85,165.96</u>	<u>(1,438.37)</u>

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Greatrock North Water and Sanitation District
Inclusion Detail Report
As of May 25, 2021

Type	Date	Num	Name	Memo	Debit	Credit	Balance
401256 - AR - Ridgeview Estates Inclusion							
Deposit	03/21/2019	0088252775	Ridgeview Properties	Ridgeview Estates - Deposit to Prepare Letter	-	3,500.00	(3,500.00)
Bill	03/30/2019	1103	MMI Water Engineers, LLC		31.00	-	(3,469.00)
Bill	04/29/2019	1114	MMI Water Engineers, LLC		511.50	-	(2,957.50)
Bill	05/01/2019	30225	Petrock & Fendel, PC		315.00	-	(2,642.50)
Bill	05/15/2019	44772	Bishop Brogden Associates, Inc		768.50	-	(1,874.00)
Bill	06/05/2019	1129	MMI Water Engineers, LLC		31.00	-	(1,843.00)
Bill	06/15/2019	44846	Bishop Brogden Associates, Inc		1,103.25	-	(739.75)
Bill	11/11/2019	1202	MMI Water Engineers, LLC	Engineering Services Aug 2019	775.00	-	35.25
Bill	11/30/2019	7751	White Bear Ankele Tanaka & Waldron	Inclusion	297.76	-	333.01
Bill	01/19/2020	1232	MMI Water Engineers, LLC	Inclusion Engineering	201.50	-	534.51
Bill	02/17/2020	1250	MMI Water Engineers, LLC	Ridgeview Estates	32.00	-	566.51
Bill	03/22/2020	1256	MMI Water Engineers, LLC	Ridgeview Estates Inclusion	923.45	-	1,489.96
Deposit	04/15/2020	1006	Ridgeview Properties		-	2,000.00	(510.04)
Bill	04/24/2020	1278	MMI Water Engineers, LLC	Ridgeview Estates Inclusion	208.00	-	(302.04)
Bill	05/25/2020	1292	MMI Water Engineers, LLC	Ridgeview Estates Inclusion	128.00	-	(174.04)
Bill	06/30/2020	1302	MMI Water Engineers, LLC		208.00	-	33.96
Bill	06/30/2020	10926	White Bear Ankele Tanaka & Waldron		217.81	-	251.77
Bill	06/30/2020	2550017	CliftonLarsonAllen LLP		64.50	-	316.27
Bill	08/19/2020	1325	MMI Water Engineers, LLC	Inclusion Costs	272.00	-	588.27
Deposit	08/21/2020	1007	Ridgeview Properties		-	3,000.00	(2,411.73)
Withdrawal	08/27/2020	1007	Ridgeview Properties		3,000.00	-	588.27
Bill	08/31/2020	2609106	CliftonLarsonAllen LLP	Inclusion Costs	43.00	-	631.27
Deposit	09/02/2020	WIRE	Ridgeview Properties		-	3,000.00	(2,368.73)
Bill	09/14/2020	1339	MMI Water Engineers, LLC	Inclusion Costs	304.00	-	(2,064.73)
Bill	10/20/2020	1352	MMI Water Engineers, LLC	Inclusion Costs	16.00	-	(2,048.73)
Bill	11/15/2020	1356	MMI Water Engineers, LLC	Inclusion Costs	576.98	-	(1,471.75)
Bill	11/30/2020	21539	Ramey Environmental Compliance	Inclusion Costs	217.50	-	(1,254.25)
Bill	11/30/2020	2692405	CliftonLarsonAllen LLP	Inclusion Costs	44.00	-	(1,210.25)
Bill	12/14/2020	1371	MMI Water Engineers, LLC	Inclusion Costs	1,269.95	-	59.70
Bill	01/24/2021	1386	MMI Water Engineers, LLC	Inclusion Costs	368.78	-	428.48
Bill	01/31/2021	21833	Ramey Environmental Compliance	Inclusion Costs	682.00	-	1,110.48
Bill	01/31/2021	1397	MMI Water Engineers, LLC	Inclusion Costs	66.00	-	1,176.48
Deposit	02/19/2021	1023	Ridgeview Properties	Deposit	-	3,000.00	(1,823.52)
Bill	02/28/2021	21972	Ramey Environmental Compliance	Inclusion Costs	975.00	-	(848.52)
Bill	03/25/2021	1428	MMI Water Engineers, LLC	Inclusion Costs	33.00	-	(815.52)
Bill	03/31/2021	22105	Ramey Environmental Compliance	Inclusion Costs	341.40	-	(474.12)
Bill	05/31/2021	16198	White Bear Ankele Tanaka & Waldron	Inclusion Costs	75.34	-	(398.78)
Bill	05/31/2021	2909643	CliftonLarsonAllen LLP	Inclusion Costs	44.00	-	(354.78)
Total 401256 - AR - Ridgeview Estates Inclusion					<u>14,145.22</u>	<u>14,500.00</u>	<u>(354.78)</u>

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Greatrock North Water and Sanitation District
Inclusion Detail Report
As of May 25, 2021

Type	Date	Num	Name	Memo	Debit	Credit	Balance
401258 - AR - Homestead Heights Inclusion							
Bill	03/30/2019	1104	MMI Water Engineers, LLC		263.50	-	263.50
Bill	03/30/2019	1103	MMI Water Engineers, LLC		108.50	-	372.00
Bill	04/29/2019	1114	MMI Water Engineers, LLC		294.50	-	666.50
Bill	06/05/2019	1129	MMI Water Engineers, LLC		682.00	-	1,348.50
Bill	06/30/2019	1138	MMI Water Engineers, LLC	Engineering Services April 21 - May 18, 2019	201.50	-	1,550.00
Bill	07/31/2019	1158	MMI Water Engineers, LLC	Engineering Services July 2019	1,007.50	-	2,557.50
Bill	08/31/2019	1170	MMI Water Engineers, LLC	Engineering Services July 2019	62.00	-	2,619.50
Bill	09/30/2019	1182	MMI Water Engineers, LLC	Engineering Services Aug & Sept 2019	170.50	-	2,790.00
Bill	11/11/2019	1202	MMI Water Engineers, LLC	Engineering Services Aug 2019	77.50	-	2,867.50
Bill	12/16/2019	1217	MMI Water Engineers, LLC	Homestead Heights Inclusion	62.00	-	2,929.50
Bill	01/19/2020	1232	MMI Water Engineers, LLC	Inclusion Engineering	524.65	-	3,454.15
Bill	02/17/2020	1250	MMI Water Engineers, LLC	Homestead Heights	931.43	-	4,385.58
Bill	04/24/2020	1278	MMI Water Engineers, LLC	Homestead Heights	96.00	-	4,481.58
Bill	05/25/2020	1292	MMI Water Engineers, LLC	Homestead Heights	496.00	-	4,977.58
Bill	06/30/2020	1302	MMI Water Engineers, LLC	Homestead Heights	1,808.00	-	6,785.58
Bill	07/31/2020	1313	MMI Water Engineers, LLC	Homestead Heights	96.00	-	6,881.58
Deposit	08/07/2020	2103839	Greatrock North WSD	Homestead Heights	-	5,000.00	1,881.58
Bill	08/19/2020	1325	MMI Water Engineers, LLC	Inclusion Costs	272.00	-	2,153.58
Bill	09/14/2020	1339	MMI Water Engineers, LLC	Inclusion Costs	216.53	-	2,370.11
Bill	09/30/2020	2638016	CliftonLarsonAllen LLP	Inclusion Costs	107.50	-	2,477.61
Bill	10/20/2020	1352	MMI Water Engineers, LLC	Inclusion Costs	288.00	-	2,765.61
Bill	11/15/2020	1356	MMI Water Engineers, LLC	Inclusion Costs	256.20	-	3,021.81
Bill	12/14/2020	1371	MMI Water Engineers, LLC	Inclusion Costs	832.00	-	3,853.81
Bill	01/24/2021	1386	MMI Water Engineers, LLC	Inclusion Costs	32.00	-	3,885.81
Bill	01/31/2021	1397	MMI Water Engineers, LLC	Inclusion Costs	82.50	-	3,968.31
Bill	02/28/2021	2768623	CliftonLarsonAllen LLP	Inclusion Costs	44.00	-	4,012.31
Deposit	03/05/2021	2431	Premier Community Developments Ltd	Deposit	-	7,000.00	(2,987.69)
Bill	03/25/2021	1428	MMI Water Engineers, LLC	Inclusion Costs	851.80	-	(2,135.89)
Bill	03/31/2021	22105	Ramey Environmental Compliance	Inclusion Costs	110.00	-	(2,025.89)
Bill	03/31/2021	2814287	CliftonLarsonAllen LLP	Inclusion Costs	132.00	-	(1,893.89)
Bill	04/25/2021	1444	MMI Water Engineers, LLC	Inclusion Costs	293.68	-	(1,600.21)
Bill	05/31/2021	2909643	CliftonLarsonAllen LLP	Inclusion Costs	44.00	-	(1,556.21)
Total 401258 - AR - Homestead Heights Inclusion					<u>10,443.79</u>	<u>12,000.00</u>	<u>(1,556.21)</u>

DRAFT

SECOND ADDENDUM
TO
INDEPENDENT CONTRACTOR AGREEMENT
(Reverse Osmosis Equipment, Startup and Training Services)

This SECOND ADDENDUM TO THE INDEPENDENT CONTRACTOR AGREEMENT (the “Second Addendum”) is entered into this 28th day of June 2021 by and between the GREATROCK NORTH WATER AND SANITATION DISTRICT, a quasi-municipal corporation and political subdivision of the State of Colorado (the “District”), and WORTH HYDROCHEM OF OKLA., INC., an Oklahoma corporation (the “Contractor”), collectively referred to herein as the “Parties”.

RECITALS:

WHEREAS, the Parties entered into an *Independent Contractor Agreement* on November 5, 2019, which was amended by that First Addendum to Independent Contractor Agreement that was entered into as of October 23, 2020 (the “Agreement”); and

WHEREAS, the Agreement sets forth the scope of services to be provided by the Contractor to the District; and

WHEREAS, the Parties wish to expand the scope of services to address required additional work as set forth in the attached Exhibit A (the “**Additional Services**”) at the rate set forth therein; and

WHEREAS, the Contractor is agreeable with performing the Additional Services within this Second Addendum.

NOW, THEREFORE, in consideration of the mutual promises and covenants contained herein and for other good and valuable consideration, the receipt and sufficiency of which is hereby acknowledged, the Parties covenant and agree as follows:

TERMS AND CONDITIONS:

1. SCOPE OF ADDITIONAL SERVICES. The Contractor shall be responsible for performing the Additional Services outlined in **Exhibit A**, attached hereto and incorporated herein. Compensation for the Additional Services is set forth in **Exhibit A**.
2. PRIOR PROVISIONS EFFECTIVE. Except as specifically amended hereby, all the terms and provisions of the Agreement shall remain in full force and effect.
3. COUNTERPART EXECUTION. This Second Addendum may be executed in several counterparts, each of which shall be deemed an original, and all of which together shall constitute one and the same instrument.

IN WITNESS WHEREOF, the Parties have caused this Second Addendum to be duly executed and delivered by their respective officers thereunto duly authorized as of the date first above written.

GREATROCK NORTH WATER AND
SANITATION DISTRICT

Officer of the District

APPROVED AS TO FORM:

WHITE BEAR ANKELE TANAKA & WALDRON
Attorneys at Law

General Counsel to the District

CONTRACTOR:
WORTH HYDROCHEM OF OKLA., INC., an
Oklahoma corporation

Printed Name: _____

Title: _____

***Signature Page to Second Addendum to Independent Contractor Agreement for Reverse
Osmosis Equipment, Startup and Training Services, dated June 28, 2021***

EXHIBIT A

Worth Hydrochem of Okla., Inc.
P.O. Box 6447
Norman, OK 73070-6447
(405) 366-7729
Fax: 366-7728



Water Treatment Chemicals
Membrane Treatment Systems
Service on all Types of Systems
Water Softeners
Chlorine Systems

June 28, 2021

Quotation: Change out 24 RO membranes on Greatrock Norths GE RO skid and attempt to reprogram Thornton controller to display 4 channels on HMI for Permeate flow, Concentrate Flow, Inlet Conductivity and Permeate Conductivity.

24 (QTY) Toray RO membranes 8x40 \$ 465.00 each
RO Membranes in Worth Hydrochems stock, they will be brought on to site by crew.

Recap: \$11,160.00

Field Rate to perform services and trouble shoot HMI and Thornton Controller. \$ 165.00 hr

Recap: \$ TBD

Per Diem \$200.00 each

The Worth crew is already scheduled on another site in the Denver Metro Area so the travel time and mileage will be cooped with another site to even out the travel costs.

Earl Young
Worth Hydrochem of Okla, Inc.



Dianne E. Ray, CPA
State Auditor

Request for Extension of Time to File Audit for Year End December 31, 2020 ONLY

If someone other than an elected board member submitted an extension request, this form should be signed by a member of the elected governing body and submitted with the audit by September 30, 2021.

Requests may be submitted via mail, fax, e-mail, or internet portal: <https://apps.leg.co.gov/osa/lg>.

Government Name:	Greatrock North Water & Sanitation District
Name of Contact:	CliftonLarsonAllen, LLP
Address:	8390 E. Crescent Pkwy
City/Zip Code	Greenwood Village, 80111
Phone Number:	303-265-7836
Fax Number:	
E-mail	Joyce.Stiles@claconnect.com
Fiscal Year Ending (mm/dd/yyyy):	12/31/2020
Amount of Time Requested (in days): (Not to exceed 60 calendar days)	60 days Audit Due: September 30, 2021
Comments (optional):	

I understand that if the audit is not submitted within the approved extension of time the government named in the extension request will be considered in default without further notice, and the State Auditor shall take further action as prescribed by Section 29-1-606(5)(b), C.R.S.

Must be signed by a member of the governing board.

Signature _____

Printed Name: _____

Title: _____

Date: _____



We Set the Standard for Good Government

ENGINEER'S PROGRESS REPORT

Date: July 6, 2021
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 4th 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 31st 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 Molt's planned onsite construction date, therefore causing no delays.

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.

3. Third Alluvial Well

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

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 10th. An additional onboarding meeting with REC has been scheduled on June 30th 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.

1. Box Elder Creek Ranch Subdivision

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

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 (see attached).

3. Greatrock North Subdivision

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

4. Hayesmount Estates Subdivision

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

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 has coordinated with REC and recommends initial acceptance

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 week of July 5th or July 12th 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.

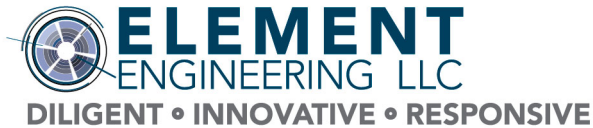
Element will discuss construction observation and management roles and responsibilities with REC and CLA to clearly define task responsibility between each entity.

2. Country Club Ranchettes Filing No. 2

Nothing to report.

3. Ridgeview Estates

Nothing to report.



June 17, 2021

Ms. Lisa Johnson, District Manager
Greatrock North Water and Sanitation District
370 Interlocken Boulevard, Suite 500
Broomfield, CO 80021

RE: Rocking Horse Farms Pump Station Improvements - Final Acceptance

Dear Mr. Johnson:

Quantum Pump and Controls (Quantum) completed the Rocking Horse Farms Pump Station Replacement Project on July 22, 2020. All equipment has performed as designed and intended since startup as confirmed by the district's operations contractor Ramey Environmental Compliance, Inc.

It is recommended that the district board approve final acceptance of the project. As the project was completed using the district's Independent Contractor Agreement, no final acceptance form will be provided to Quantum. When the district's board approves final acceptance, Element will notify Quantum by email that the project is officially closed out.

Attached to this email is the Final Payment Recommendation (MMI Water Engineers, September 9, 2020) and the Quantum final invoice.

Please contact me at nmarcotte@elementengineering.net or at 303.378.2969 with any questions or concerns.

Sincerely,

ELEMENT ENGINEERING

Nicholaus P. Marcotte, P.E.
President



September 9, 2020

Ms. Lisa Johnson, District Manager
 Greatrock North Water and Sanitation District
 370 Interlocken Boulevard, Suite 500
 Broomfield, Colorado 80021
 (via e-mail: lisa.johnson@claconnect.com)

Re: Final Payment Recommendation – Rocking Horse Farms Pump Station Improvements

Dear Ms. Johnson:

In accordance with your request, I have reviewed Invoice 10188, dated July 28, 2020 and received by MMI Water Engineers on September 1, 2020, including the accompanying Final Summary, dated July 22, 2020. I recommend the Greatrock North Water and Sanitation District issue final payment in the amount of \$11,842.25 to Quantum Pump & Controls.

Item	Contracted Amount	Percent Complete	Previously Paid	Amount Approved
Goulds 22SV3 ESV 7.5-horsepower 3-stage pump, motor, and drive, including manifold modifications	\$27,968.00	100%	\$16,125.75	\$11,842.25
High Service Pump Variable Frequency Drive	\$5,867.00	100%	\$5,867.00	\$0.00
Totals	\$33,835.00	100%	\$21,992.75	\$11,842.25

The project was completed on July 22, 2020 and I have scheduled a warranty inspection for June 22, 2021. Should you have any comments or questions, please contact me at 720-234-8398.

Sincerely,

MMI WATER ENGINEERS, LLC

A handwritten signature in blue ink, appearing to read "A. Simons", with a long horizontal flourish extending to the right.

Bradley A. Simons, P.E.
 Principal

cc: Sherry Cass (via e-mail: sherry.cass@quantumpump.net)

Quantum Pump & Controls

PO BOX 698
 HENDERSON, CO 80640-0698
 (720) 712-1601

INVOICE

BILL TO	SHIP TO	INVOICE	10188
Greatrock North Water & Sanitation District	Greatrock North Water & Sanitation District	DATE	07/28/2020
141 Union Blvd	141 Union Blvd	TERMS	Net 30
Lakewood, CO 80228	Lakewood, CO 80228	DUE DATE	08/27/2020

PO #	JOB NAME / NUMBER	COMPLETION DATE
Signed Agreement	Rocking Horse #4 Pump	7/22/2020

DESCRIPTION	QTY	RATE	AMOUNT
Rocking Horse Farms Pump Station Expansion Partial Billing - 45% (Final)			
Qty (1) Goulds, 22SV3, ESV, 7.5hp, 3 Stage Pump End 210TC Design Point: 150TDH Boost @ 120gpm Pump SN: G2006767 Motor SN: F1802195251	1	11,842.25	11,842.25
Qty (1) VACON 100X VFD, designed specifically to control pumps such as the Goulds ESV Vertical Multistage Pump. (7.5hp, 460vac) * Pressure Transducers Included with VACON Pump System VFD SN: M194000332			
Valves / Fittings and accessories needed for piping the new pump into the existing manifolds on site. Material to be used is SCH80 PVC except for a couple of transition fittings which will be stainless steel.			
Power Distribution: This will be modified so that one bucket is now supplying power to a stand alone distribution panel that will have individual circuit protection for each of the four VFD's that drive the main duty pumps. This will provide space within the existing MCC for future components.			
High Service Pump, 60hp, Variable Frequency Drive to include isolated pressure transducer for PID feedback. The High Service Pump has always been placed on a temporary VFD while station modifications were being made in the past. We have decided to include this into the newest upgrade as this will allow for a backup system to be in place at all times. It will function as it always has. However, in the event something goes wrong with the primary duty pumps, this will take over until the system gets back on its feet. VFD SN: V00002671534			

THANK YOU FOR YOUR BUSINESS!

BALANCE DUE

\$11,842.25



10750 Irma Drive, Unit #4

Northglenn, CO 80233

720-712-1601

GREATROCK NORTH WATER & SANTIATION DISTRICT
ROCKING HORSE FARMS PUMP STATION EXPANSION

Final Summary as of July 22, 2020

7/22/2020:

- Installed the new Goulds 22SV3, 3 Stage Pump and Motor
- Finished the piping for the pump discharge
- Made final parameter adjustments on the VFD
- Test ran and tuned system to verify proper operation
- Project is completed

From: Nicholaus Marcotte <nmarcotte@elementengineering.net>
Sent: Monday, June 28, 2021 12:29 PM
To: Johnson, Lisa <Lisa.Johnson@claconnect.com>
Cc: Alice Arsenault <alicea@elementengineering.net>; Mike Hager <mikeh@elementengineering.net>
Subject: [External] GNWSD - Concentrate Pond, Line Design/Permitting

Think Security – This email originated from an external source. Be cautious with any links or attachments.

Hi Lisa,

I have attached our proposal for design and permitting of the third concentrate pond. This proposal is for design and permitting. We can provide a separate proposal for bidding once we are closer to CDPHE approval. Our proposal includes intaking the already completed work and converting it into our CAD system. There are some inefficiencies baked into the cake when taking over a partially completed project, but I have put quite a bit of time into reviewing documents to minimize that. Finally, one last note. I am hounding CVL to get us the CAD files of the pond and pipe but have not received them yet.

I thought it might be helpful if I provide a summary of where things are with the concentrate pond, concentrate line design, as well as the EDOP (concentrate pond permitting document). This is from my review of the documents without context provided by Brad (in other words – we haven't sat down to go over everything).

- Concentrate Pond – CVL has completed a design of the concentrate pond that includes pond grading and a stormwater management plan (SWMP). Their liner system design does not meet CDPHE requirements and will need to be redone. Our plan is to get CAD files from CVL and convert them into our drafting system. We would then need to verify the pond design to ensure we are satisfied with the grading, drainage, profiles, plans, etc. What is useful and can be kept: preliminary pond grading, stormwater management plan, cut/fill quantities, pond plan/profiles.
- Concentrate Line – CVL has completed a concentrate line design and a draft realignment to the currently accepted concentrate line alignment. The design of this alignment appears to use GIS topography that will need to be checked and updated. In looking at the PDFs we have of the currently accepted concentrate line alignment it was just a check to see if the alignment would flow correctly. We will need to work with Jay Scolnick to determine proposed contours in his development area and finalize the concentrate line from its tie-in to the existing line to the pond location based on the accepted alignment.
- EDOP – This is the concentrate pond permitting document. This has been somewhat roughed in but is based on an older example document. We are essentially starting this from scratch to follow the guidance requirements. I have included a checklist from the CDPHE regulations on what the EDOP is required to include (in PDF proposal document).

The proposal includes a timeline that we can meet considering our current workload.

One item to note is that the EDOP requires a relatively detailed construction QA/QC plan (grading, compaction testing, liner destructive testing, liner air lance testing, etc). After construction, a detailed

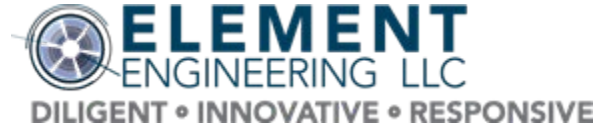
construction QA/QC report is required. These requirements dictate we have someone onsite to witness and document construction and testing.

If you have any questions, please let me know. I would be happy to review this proposal with you and go over the existing records to show you where things stand.

Thanks,

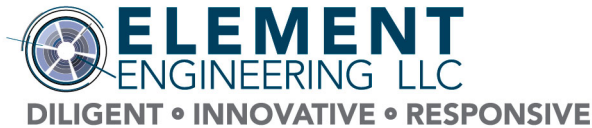
Nicholaus P. Marcotte, P.E.

President



Recipient of Colorado Rural Water's 2018 Associate Member of the Year Award

303.378.2969 | nmarcotte@elementengineering.net | www.elementengineering.net
12687 W. Cedar Drive, Suite 300, Lakewood, CO 80228



June 26, 2021

Ms. Lisa Johnson, Manager
Greatrock North Water and Sanitation District
370 Interlocken Boulevard, Suite 500
Broomfield, Colorado 80021

RE: Scope for Professional Engineering Services
Third Concentrate Pond Permitting and Design

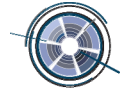
Dear Ms. Johnson,

Element Engineering is pleased to provide this proposal for design and permitting services for the proposed Greatrock North Water and Sanitation District Third Concentrate Pond. The purpose of this letter is to define a scope of services to be completed by Element Engineering under the district's standard Independent Contractor Agreement. This letter details our proposed scope of services, deliverables, schedule, fee and exclusions.

SCOPE OF SERVICES

The following Scope of Services is proposed:

- Compile and submit an Engineering Design and Operations Plan (EDOP) per CDPHE requirements. The EDOP shall include the following sections (as required by CDPHE Section 9 – Waste Impoundments):
 - Introduction
 - Local Restrictions
 - Geological and Hydrological Conditions
 - Regional and Local Hydrogeologic Conditions
 - Design Requirements
 - Liner System Description
 - Leak Detection and Management Description
 - Operations and Operational Records
 - Reporting and Reporting Plans
 - Closure Requirements
 - Post Closure Requirements
 - Financial Assurance Requirements
 - Groundwater and Surface Water Contingency Plan
 - Waste Characterization Plan
 - Stormwater Management Plan
 - Construction QA/QC Plan



- Finalize construction plans for submittal to CDPHE Hazardous Materials and Waste Management Division (HMWMD) including the following sheets:
 - Cover Sheet
 - General Construction Notes
 - Pond Cut/Fill Plans
 - Pond Plan and Profiles
 - Concentrate Line Plan and Profiles
 - Liner System Details
 - General Construction Details

Note: Element's fee assumes CAD files of the draft pond and concentrate line design can be obtained from CVL. Element has reached out to CVL but has not yet successfully obtained CAD files.

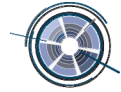
- Compile and assemble technical specifications for submittal to CDPHE HMWMD. Technical specifications shall include, but may not be limited to earthwork, pipe material and installation, liner material and installation, and general Division 0 and Division 1 specifications.
- Attend a meeting with CDPHE HMWMD to review and present the EDOP, plans, and specifications.
- Respond to CDPHE HMWMD request for information to obtain design and EDOP approval.
- Present documents at monthly district board meetings for discussion and coordination. Review plans with district board to obtain feedback.

PROPOSED PROJECT FEE AND SCHEDULE

The fee for the above referenced Scope of Services shall be time and materials based on the attached hourly rates estimated at the following amounts:

- | | |
|---|----------|
| • EDOP, Meetings, Coordination with District and CDPHE: | \$38,500 |
| • Finalize Pond Design, SWMP, Plans, Specifications: | \$32,000 |

Work will be sufficiently complete to issue documents for CDPHE review and approval within 3-months of approval of this proposal.



EXCLUSIONS

This proposal does not include surveying or geotechnical fees. A survey of the project area has been completed; however, the concentrate line location has not been surveyed. We will work with the local developer to obtain a surface of the existing and proposed contours. This may make additional survey unnecessary, but that determination is unknown at this time. A geotechnical evaluation of the project location has been completed.

We appreciate the opportunity to provide this proposal.

Sincerely,

ELEMENT ENGINEERING, LLC

Nicholaus P. Marcotte, P.E.
President



RATE SCHEDULE FOR PROFESSIONAL ENGINEERING SERVICES

<u>LABOR CLASSIFICATION</u>	<u>HOURLY BILLING RATE</u>
Project Manager	\$150.00
Project Engineer	\$120.00
Design Engineer	\$110.00
Construction Manager	\$130.00
Construction Observer	\$95.00
Office Assistant	\$45.00
<u>DIRECT EXPENSES</u>	
Prints/Copies	At Cost
Mileage	No Charge
Travel Time	No Charge
Sub-Consultants	At Cost

Section 9 – Type B Waste Impoundments: Engineering Design and Operation Plan (EDOP)
(Content Check List and Suggested Outline for Table of Contents)

AMENDMENTS / MODIFICATIONS / REVISIONS TRACKING PAGE

Include title, date of approval, and section or appendix numbers associated with the changes.

SECTION 1: INTRODUCTION

Not all of the requirements listed below will apply to all facilities. Such facilities may note in the EDOP any of the requirements listed below that are not applicable and write “N/A” in the *Page, Plate, Appendix or N/A* column.

✓	Regulation Section	Information	Page, Plate, Appendix or N/A
	Reg. 9.3.4 (A)	General information	
	Reg. 9.3.4 (A)(1)	Owner/operator information, county and legal description	
	Reg. 9.3.4 (A)(2)	Map of facility property	
	Reg. 9.3.4 (A)(3)	Treatment types, disposal, storage and containment features, monitoring/operational practices	
	Reg. 9.3.4 (A)(4)	Facility service area including transportation corridors and access	
	Reg. 9.3.4 (A)(5)	Names, qualifications and addresses of operational personnel and persons having authority to take corrective actions in the event of non-compliance	
	Reg. 9.3.4 (A)(6)	Hours and days of operation	
	Reg. 9.3.4 (A)(7)	Listing of waste stream types to be approved for routine receipt and anticipated volumes (in barrels or gallons per day) of wastes to be received	
	Reg. 9.3.4 (A)(8)	Expected life of the site	
	Reg. 9.3.4 (A)(9)	Number and job descriptions of projected personnel when operating	
	Reg. 9.3.4 (A)(10)	Equipment types projected to be used in waste impoundment operations	
	Reg. 9.3.4 (A)(11)	Size (surface area and volume) and types of impoundments or processing areas	
	Reg. 9.3.4 (A)(12)	Provisions against nuisance conditions on-site and off-site	
	Reg. 9.3.4 (A)(13)	Fire protection provisions including volumes and sources of on-site water available for fire suppression	
	Reg. 9.3.4 (A)(14)	Facility inspections including frequency by the owner/operator and associated written documentation of impoundment and ancillary equipment conditions	

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SECTION 2: LOCATION RESTRICTIONS

Minimum standards apply to all solid waste sites and facilities.

✓	Regulation Section	Information	Page, Plate, Appendix or N/A
	Reg. 2.1.17	Solid waste disposal sites and facilities shall not place wastes below or into surface water or groundwater	

SECTION 3: GEOLOGIC AND HYDROGEOLOGIC CONDITIONS

Regional and Local Geologic Conditions (Section 3)

✓	Regulation Section	Information	Page, Plate, Appendix or N/A
	Reg. 9.3.4 (B)(1)	As applicable, include the following:	
	Reg. 9.3.4 (B)(1)(a)	Types and regional thicknesses of unconsolidated soils and materials	
	Reg. 9.3.4 (B)(1)(b)	Types and regional thickness of consolidated bedrock materials	
	Reg. 9.3.4 (B)(1)(c)	Regional and local geologic information including but not limited to: bedrock strike and dip, fracture patterns, slope stability, faulting, folding, rock fall, landslides and subsidence or erosion potential that might affect design and operation of the facility for solid waste disposal	

Regional and Local Hydrogeologic Conditions (Section 3)

✓	Regulation Section	Information	Page, Plate, Appendix or N/A
	Reg. 9.3.4 (B)(2)	As applicable, include the following:	
	Reg. 9.3.4 (B)(2)(a)	Lakes, rivers, streams, springs or bogs on-site and within two miles	
	Reg. 9.3.4 (B)(2)(b)	Depth to and thickness of any perched groundwater and uppermost aquifers	
	Reg. 9.3.4 (B)(2)(c)	For groundwater wells within one mile of the Point of Compliance (POC), include well depth, depth to water, screened intervals, yields and the aquifers tapped if such information is available in the public records of the Division of Water Resources in the Department of Natural Resources	
	Reg. 9.3.4 (B)(2)(d)	Hydrologic properties of perched zones and uppermost aquifer; include flow directions, flow rates, porosity, coefficient of storage, permeability and potentiometric surface	
	Reg. 9.3.4 (B)(2)(e)	Site location in relation to base flood plain of nearby drainages	

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	Reg. 9.3.4 (B)(2)(f)	Separation between impounded wastes and upper-most water-bearing zone, perched or otherwise	
	Reg. 9.3.4 (B)(2)(g)	Evaluation of potential impacts to existing surface water and groundwater quality from each proposed impoundment if more than one, or the facility (if only one impoundment)	
	Reg. 9.3.4 (B)(2)(h)	Quality of existing groundwater beneath the proposed facility	
	Reg. 9.3.4 (B)(2)(i)	Any associated information related to travel time from the mid-point of each cell to the POC	
	Reg. 9.3.4 (B)(2)(j)	Climatic information	
	Reg. 9.3.4 (B)(2)(k)	Estimated waste volume, and physical and chemical characteristics	
	Reg. 9.3.4 (B)(2)(l)	Distance groundwater beneath the site would flow during the facility's operating life and post-closure care period	
	Reg. 9.3.4 (B)(2)(m)	Distance to existing domestic wells or springs	

SECTION 4: DESIGN REQUIREMENTS

✓	Regulation Section	Information	Page, Plate, Appendix or N/A
	Reg. 9.3.4 (C)(1)	As applicable, include the following:	
	Reg. 9.3.4 (C)(1)(a)	Types and quantity of material(s) that will be used in the different components of the liner system	
	Reg. 9.3.4 (C)(1)(b)	Liner design, liner materials and specifications, liner installation requirements and procedures, and liner quality assurance and quality control (QA/QC) procedures after installation	
	Reg. 9.3.4 (C)(1)(c)	Maps and plans drawn to a commonly-recognized engineering scale that show the following:	
	Reg. 9.3.4 (C)(1)(c)(1)	Location and depth of cut or fill for liners	
	Reg. 9.3.4 (C)(1)(c)(2)	Location, dimensions and grades of all surface water control structures	
	Reg. 9.3.4 (C)(1)(c)(3)	Location and dimensions of all surface water and groundwater containment structures including those designed to impound contaminated runoff, sludge or liquids for treatment	
	Reg. 9.3.4 (C)(1)(c)(4)	Spatial distribution of engineering, geologic and hydrologic data, and the relationship to the proposed facility and each individual impoundment unit	
	Reg. 9.3.4 (C)(1)(c)(5)	Location of all proposed facility structures and access roads	
	Reg. 9.3.4 (C)(1)(c)(6)	Locations of all proposed monitoring points for surface water and groundwater quality	
	Reg. 9.3.4 (C)(1)(c)(7)	Final contours and grades of the reclaimed site after closure	

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	Reg. 9.3.4 (C)(1)(c)(8)	Location of fencing or other access-control features to be placed on site	
	Reg. 9.3.4 (C)(1)(c)(9)	Location of each proposed phase of development	
	Reg. 9.3.4 (C)(1)(c)(10)	Design details of the impoundment including size and total volume at capacity	
	Reg. 9.3.4 (C)(1)(d)	All designated ancillary equipment associated with each impoundment	
	Reg. 9.3.4 (C)(2) Appendix B	<u>Demonstration of Performance</u> : Reasonably demonstrate that the liner system in combination with waste characteristics and site setting will result in concentrations at the POC that are below the Basic Standards for Groundwater (BSGW) included in Appendix B of the Solid Waste Regulations	
	Reg. 9.3.4 (C)(3)	<u>Leak Detection Monitoring</u> : If applicable, describe the leak detection monitoring system installed at each impoundment	
	Reg. 9.3.4 (C)(4)	<u>Monitoring and Measuring Systems</u> : Include design specifications for all proposed monitoring points for surface water and groundwater quality, and the monitoring system used to make volume and freeboard determinations; for waste impoundment facilities or units equipped with freeboard monitoring, design details shall be provided in the EDOP	
	Reg. 9.3.4 (C)(5)	<u>Access Control</u> : Describe the facility's access controls	
	Reg. 9.3.4 (C)(6)	<u>Storm Water Control</u> : Provide design details for storm water control features	
	Reg. 9.3.4 (C)(7)	<u>Embankment Durability</u> : Describe how each Type B Waste Impoundment shall be maintained	
	Reg. 9.3.4 (C)(8) Appendix B	<u>Groundwater Monitoring System</u> : Include design details for the groundwater monitoring system and include a plan describing how the facility will comply with each requirement in Appendix B of the Solid Waste Regulations	
	Reg. 9.3.4 (D)	<u>Construction</u> : For any new waste impoundments or existing impoundments requiring upgrade of engineered features in order to comply with Section 9, include a QA/QC plan for all engineered structures and appurtenances	

SECTION 5: OPERATIONS

✓	Regulation Section	Information	Page, Plate, Appendix or N/A
	Reg. 9.3.4 (E)(1)	Include in the EDOP specific operational details for each waste impoundment	

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	Reg. 9.3.4 (E)(2)	<u>Site-Wide Monitoring Plan</u> : Include monitoring of groundwater monitoring, surface water monitoring, leak detection monitoring, fluid-level monitoring and inspections	
	Reg. 9.3.4 (E)(3)	<u>Contingency Plan</u> : The EDOP shall contain a Contingency Plan for the facility	
	Reg. 9.3.4 (E)(4) Reg. 2.1.2	<u>Waste Characterization Plan</u> : For each facility receiving waste from off-site and for each facility receiving waste from on-site, include in the EDOP a Waste Characterization Plan, which shall describe how procedures employed at the facility demonstrate compliance with Section 2.1.2 of the Solid Waste Regulations and ensure that only approved wastes are disposed of at the facility	
	Reg. 9.3.4 (E)(5)	<u>Personnel Training Plan</u> : Include a Personnel Training Plan that includes the following provisions:	
	Reg. 9.3.4 (E)(5)(a)	Annual training on the facility's EDOP, all attachments to the EDOP and all documents referenced in the EDOP that are relevant to operational compliance	
	Reg. 9.3.4 (E)(5)(b)	Annual training in the recognition and exclusion of hazardous and prohibited wastes	

Operational Records (Section 5)

✓	Regulation Section	Information	Page, Plate, Appendix or N/A
	Reg. 9.3.5	<u>Recordkeeping and Reporting Requirements</u> : Not all of the requirements listed below will apply to facilities disposing of or managing their own waste on their own properties:	
	Reg. 9.3.5 (A)	<u>Record Availability</u> : For facilities with waste impoundments, all records required by Section 9.3.5 of the Solid Waste Regulations shall be maintained on-site for a minimum of three (3) years unless otherwise approved by the Division and shall be available for inspection by representatives of the Division during regular business hours	
	Reg. 9.3.5 (B)	<u>Incoming Shipments</u> : For facilities receiving third-party wastes, each shipment of solid waste being disposed of in a waste impoundment shall be registered with the following information entered on a single receipt or manifest:	
	Reg. 9.3.5 (B)(1)	Date and time	
	Reg. 9.3.5 (B)(2)	Receiving impoundment identification	
	Reg. 9.3.5 (B)(3)	Quantity	
	Reg. 9.3.5 (B)(4)	Type of waste	
	Reg. 9.3.5 (B)(5)	Location produced	
	Reg. 9.3.5 (B)(6)	Waste generator	
	Reg. 9.3.5 (B)(7)	Hauler and truck number	
	Reg. 9.3.5 (B)(8)	Driver's name and signature	

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Reg. 9.3.5 (C)	<u>Monthly Summaries</u> : All facilities shall maintain monthly summaries including the total volume of each waste stream managed or disposed of in each waste impoundment	
Reg. 9.3.5 (D)	<u>Annual Report</u> : All facilities shall submit an annual report to the Division by March 1 of each year; annual report shall include:	
Reg. 9.3.5 (D)(1)	Total volume received of each waste type during the previous calendar year	
Reg. 9.3.5 (D)(2)	Waste removed from each impoundment during the previous calendar year (not including inter-basin transfers) with location details provided for final disposition of the waste	
Reg. 9.3.5 (D)(3)	Any unplanned releases from an impoundment unit at the facility during the previous calendar year	
Reg. 9.3.5 (D)(4) Reg. 2.1.2	For waste impoundments receiving third-party wastes: documentation proving that no hazardous or prohibited wastes have been received (per Section 2.1.2 of the Solid Waste Regulations), and documentation of random load screening results	
Reg. 9.3.5 (D)(5)	If required by the EDOP, an annual groundwater monitoring report	
Reg. 9.3.5 (E)	<u>Routine Monitoring</u> : All facilities with Type B waste impoundments shall maintain records of monitoring data including groundwater and fluid level monitoring data, leak detection, equipment and impoundment inspection log sheets and precipitation data	
Reg. 9.3.5 (H)	<u>Inspections</u> : Records shall be maintained by all facilities with Type B waste impoundments; records shall fully document all inspections, fluid level measurements, damage, repairs and repair verifications to impoundments, linear systems or ancillary equipment	
Reg. 9.3.5 (I)	<u>Reporting Requirements</u> : For facilities receiving third-party wastes: waste characterization results indicating excursions from the facility's approved plans, such as inadvertent receipt of unapproved wastes, shall trigger notification in writing to the Division within seven (7) calendar days after receipt of such results by the owner/operator	
Reg. 2.4.2 (I)	Information demonstrating compliance with waivers as required by Section 1.5	
Reg. 2.1.4, 2.1.5, 2.1.15, 2.1.18 Appendix B	Information and field records obtained as required by the Groundwater Sampling and Analysis Plan and, at a minimum, specify that the Division and local governing authority will be notified of any changes to the Groundwater Sampling and Analysis Plan	

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Reports and Plans (Section 5)

✓	Regulation Section	Information	Page, Plate, Appendix or N/A
	Reg. 2.1.4, 2.1.5, 2.1.15, 2.1.18, 2.2, Appendix B3	Prepare a Groundwater Sampling and Analysis Plan	
	Reg. 2.1.4, 2.1.5, 3.3.2 (L)	Prepare a Groundwater and Surface Water Impact Contingency Plan	
	Reg. 2.1.2	Prepare a Waste Characterization Plan that addresses how testing and detection of hazardous wastes will be conducted	
	Reg. 2.1.6, 2.5.7, 3.2.6	Prepare a Storm Water Management Plan to address how the facility will ensure run-on and run-off control	

SECTION 6: CLOSURE REQUIREMENTS

Closure Plan (Section 6)

✓	Regulation Section	Information	Page, Plate, Appendix or N/A
	Reg. 9.3.4 (F)	<u>Closure Plan</u> : Include in the EDOP a closure plan that describes necessary steps to close each impoundment at any point during its active life and at the end of the facility's active life; the facility may (1) close the waste in place as a solid waste landfill in accordance with the Solid Waste Regulations or (2) remove all solid waste and residual contamination to meet unrestricted use concentrations; Option 2 ("Clean Closure") may eliminate the need for post-closure care; Options 1 and 2 require the owner/operator of a waste impoundment to develop a closure plan	
	Reg. 9.3.4 (F)(1)	Consistent with Section 9.3.6 of the Solid Waste Regulations include the following:	
	Reg. 9.3.4 (F)(1)(a)	Provisions for removal of all solid waste at the site and decontamination of all ancillary equipment at the site, or closure of the waste impoundment with waste in place as a landfill	
	Reg. 9.3.4 (F)(1)(b)	Provisions for removing all liquid wastes from the impoundments	
	Reg. 9.3.4 (F)(1)(c)	Proposed plans and procedures for sampling and testing soil and groundwater at the site	
	Reg. 9.3.4 (F)(1)(d)	Provisions for sampling and testing of residual materials, such as sludge and soil, and provisions for final disposal	
	Reg. 9.3.4 (F)(1)(e)	Provisions for a background study for soil and groundwater that, at a minimum, must include:	
	Reg. 9.3.4 (F)(1)(e)(i)	Sampling Plan	

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	Reg. 9.3.4 (F)(1)(e)(ii)	Analysis Plan	
	Reg. 9.3.4 (F)(1)(e)(iii)	Data Evaluation Plan	
	Reg. 9.3.4 (F)(1)(e)(iv)	Determination of relevant background concentrations	
	Reg. 9.3.4 (F)(1)(f)	General description of the site post-closure, including:	
	Reg. 9.3.4 (F)(1)(f)(i)	Final property contours, material and procedures to be used to fill the impoundments	
	Reg. 9.3.4 (F)(1)(f)(ii)	Description of final soil placement and revegetation of site	
	Reg. 9.3.4 (F)(1)(f)(iii)	Description of anticipated land use	
	Reg. 9.3.4 (F)(1)(f)(iv)	Schedule for completing all activities necessary to satisfy these closure criteria	
	Reg. 9.3.4 (F)(1)(g) CRS § 25-15	Analysis of whether an environmental covenant – pursuant to Colorado Revised Statutes (CRS) Title 25, Article 15, as amended – will be necessary following closure	
	Reg. 9.3.4 (F)(1)(h) Reg. 9.3.7	Analysis of whether post-closure care will be necessary and if so, include in the EDOP a Post-Closure Plan consistent with the requirements of Section 9.3.7 (see Section 7 of this check list)	
	Reg. 9.3.4 (F)(1)(i) Reg. 1.8	Cost estimates for closure and post-closure, and proof of financial assurance equal to or greater than those cost estimates consistent with Section 1.8 of the Solid Waste Regulations will be required upon Division approval of the Closure and Post-Closure Care Plans (see Section 8 of this check list)	

Closure Requirements (Section 6)

✓	Regulation Section	Information	Page, Plate, Appendix or N/A
	Reg. 9.3.6 (A) Reg. 9.3.4 (F)	Close the impoundments in accordance with only the Division-approved Closure Plan, which is included in the facility's EDOP	
	Reg. 9.3.6 (B)	Individual impoundments at a facility may be closed independently of closure of the entire facility	
	Reg. 9.3.6 (C)	At least 60 days in advance of the proposed closure date, the owner/operator of a facility receiving third-party wastes open to the public must notify the Division and place signs of suitable size at the entrance to the site and facility	
	Reg. 9.3.6 (D) Reg. 9.3.4 (F)	The facility owner/operator must complete facility closure activities in accordance with the Division-approved closure plan and within 180 calendar days following the final receipt of waste or according to the implementation schedule in the Division-approved closure plan	

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	Reg. 9.3.6 (E) CRS § 25-15-320 Reg. 9.3.7	Following closure of an impoundment facility, the owner/operator shall work with the Division to place an Environmental Covenant on the former impoundment area in compliance with CRS Title 25, Article 15, Sub-Part 320 if waste is left in place as part of the closure or the site is not suitable for unrestricted use; if waste is left in place, the site is not suitable for unrestricted use or both, the owner/operator shall comply with Section 9.3.7 of the Solid Waste Regulations	
	Reg. 9.3.6 (F)	<u>Closure Certification</u> : A Closure Certification Report shall be submitted within 60 calendar days of completion of closure activities; the report shall document that all requirements and conditions of the closure plan have been achieved; the report shall be properly sealed by a professional engineer registered in the State of Colorado; the report shall be subject to review and approval by the Division	
	Reg. 2.1.16	Upon being filled, sites and facilities where final disposal is performed shall be left in a condition of orderliness and good aesthetic appearance, and capable of blending with the surrounding area	

SECTION 7: POST-CLOSURE CARE AND MAINTENANCE REQUIREMENTS

✓	Regulation Section	Information	Page, Plate, Appendix or N/A
	Reg. 9.3.7 (A) Reg. 9.3.4 (F)(1)(h)	<u>Post-Closure Care Plan</u> : Pursuant to Section 9.3.4 (F)(1)(h) of the Solid Waste Regulations, a Post-Closure Care Plan must be included in the EDOP if, after analysis, the owner/operator determines that post-closure care will be necessary; at a minimum, the Post-Closure Care Plan will include the following:	
	Reg. 9.3.7 (A)(1)	Provisions to prevent nuisance conditions	
	Reg. 9.3.7 (A)(2)	Provisions to maintain the integrity and effectiveness of the final cover, should waste be closed in place, including making repairs to the cover and replanting vegetation as necessary	
	Reg. 9.3.7 (A)(3)	If applicable, provisions to monitor groundwater and maintain the groundwater monitoring system	
	Reg. 9.3.7 (A)(4)	The name, address and telephone number of the person or office to contact about the facility during the post-closure period	
	Reg. 9.3.7 (A)(5)	A description of the planned uses of the property during the post-closure period; post-closure use of the property shall not disturb the function of the cap and monitoring systems unless reviewed and approved by the Division	

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	Reg. 9.3.7 (A)(6)	Provisions to comply with the Environmental Covenant or Notice of Environmental Use Restriction	
	Reg. 9.3.7 (B) Reg. 9.3.6 (F)	The owner/operator must implement the approved Post-Closure Care Plan in accordance with the approved schedule; implementation includes placing an Environmental Covenant or Notice of Environmental Use Restriction on the waste impoundment areas and any other areas with remaining contamination in accordance with Section 9.3.6 (F) of the Solid Waste Regulations	
	Reg. 9.3.7 (C)	<u>Post-Closure Certification</u> : Following completion of the post-closure care period, the owner/operator must submit a Post-Closure Certification for Division review and approval; certification must (1) verify that post-closure care has been completed in accordance with the Post-Closure Plan and (2) be signed by an independent professional engineer registered in the State of Colorado	
	Reg. 9.3.7 (D)	<u>Post-Closure Duration</u> : Post-closure care shall be conducted for a minimum of 30 years; length of the post-closure period may be:	
	Reg. 9.3.7 (D)(1)	Decreased by the Division if the owner/operator demonstrates that the reduced period is sufficient to protect human health and the environment OR	
	Reg. 9.3.7 (D)(2)	Increased by the Division if determined that the lengthened period is necessary to protect human health and the environment	

SECTION 8: FINANCIAL ASSURANCE REQUIREMENTS

✓	Regulation Section	Information	Page, Plate, Appendix or N/A
	Reg. 9.3.3 (J) 2.4.2 (H) Reg. 1.8	Cost estimates for closure and post-closure care and financial assurance documentation required by Section 1.8 of the Solid Waste Regulations; cost estimates and financial assurance of documentation must be submitted to the Division within 60 calendar days of the Division's approval of the cost estimates	
	Reg. 9.3.1 (A)	<u>Facility Design Review by Professional Engineer</u> : All engineered features of the facility design shall be reviewed and properly sealed by a professional engineer registered in the State of Colorado	
	Reg. 9.3.2 (A)	<u>Facility Construction</u> : The facility must implement an approved QA/QC Plan during construction of all the facility's engineered structures and appurtenances; the Division shall review and approve the QA/QC Plan prior to starting construction of any waste management features at the facility; note : the Division has guidance on construction quality assurance and as-built documentation on the Division's website: http://www.cdphe.state.co.us/hm/sw/swpubs.htm	

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	Reg. 9.3.2 (B)	<p><u>Construction Certification Report:</u> At least 90 calendar days prior to the start of waste acceptance into the impoundment, the owner/operator of a new Type B waste impoundment shall submit a construction certification report to the Division for review and approval; for an existing facility, the facility may submit the report and resume waste disposal operations; if a problem comes to light during Division review and prior to approval of the construction certification report, a compliance schedule will have to be developed for implementation of any corrective actions needed; the construction certification report shall certify that the construction has been completed in accordance with the facility's approved EDOP and approved QA/QC Plan; the construction certification report shall be signed and properly sealed by a professional engineer registered in the State of Colorado; the Division must review and approve the report prior to the acceptance of waste; construction certification reports shall be developed, approved and implemented for all engineered structures and ancillary equipment used to manage solid waste at the facility</p>	
	Reg. 9.3.6 (F)	<p><u>Closure Certification:</u> A closure certification report shall be submitted within 60 calendar days of the completion of closure activities; the report shall document that all the requirements and conditions of the Closure Plan have been achieved; the report shall be signed and properly sealed by a professional engineer registered in the State of Colorado; the report is subject to review and approval by the Division</p>	
	Reg. 9.3.7 (C)	<p><u>Post-Closure Certification:</u> Following the completion of the Post-Closure Care Period the owner/operator shall submit a post-closure certification verifying that post-closure care has been completed in accordance with the Post-Closure Care Plan; the certification shall be signed by an independent professional engineer registered in the State of Colorado; the signed certification shall be submitted to the Division for review and approval</p>	

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APPENDIX TITLES

- A: Groundwater Sampling and Analysis Plan
- B: Groundwater and Surface Water Contingency Plan
- C: Waste Characterization Plan
- D: Storm Water Management Plan
- E: QA/QC Plan
- F: Waiver Requests and Supporting Information

Other (e.g. site investigations, supporting information, reports, permits, future EDOP amendments, etc.)

G: _____

H: _____

I: _____

J: _____

K: _____

L: _____

M: _____

N: _____

O: _____

P: _____

Q: _____

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S: _____

T: _____

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V: _____

W: _____

X: _____

Y: _____

Z: _____

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TABLES

Include page, plate or appendix numbers if applicable.

ADDITIONAL SUPPORTING DOCUMENTS

Include page, plate or appendix numbers if applicable.



Greatrock North Water & Sewer District

ORC Report

July 6, 2021

RO Membrane Skid Repairs

Worth Hydrochem was onsite to perform an assessment of the RO treatment skid on 6/24/21. Hydrochem's assessment confirmed the RO membranes need replacement to improve water quality and prevent damage to the RO treatment skid and piping. Hydrochem is recommending the RO system be bypassed until the membranes can be replaced. Hydrochem is also recommending time be spent on troubleshooting and rehabilitating the current RO controller to help maintain consistent performance until the new RO treatment system is operational. At Hydrochem's recommendation the RO treatment skid is currently being bypassed until the membranes can be replaced or the new RO treatment skid is operational. Hydrochem has submitted a proposal for membrane replacement and controller troubleshooting.

SCADA Control Issues

The week of 6/7/21 the automatic fill sequencing for the RHF and GRN tanks began malfunctioning. At the same time remote connectivity, alarm notification and historical trending was lost. It is unknown at this time to exactly caused these issues, but the nature of the problems suggests an electrical event. REC worked with TLECC to resolve the issues for over the course of the week but was unable to get the tank fill issues corrected. TLECC determined the remote connectivity and alarm notification issues to be caused by issues with the phone line. CenturyLink was able to get the remote connectivity issue corrected right away however multiple site visits and phone line replacements were required to get alarm notifications re-established.

During this timeframe REC manually operated the filling of the GRN and RHF tanks and continually monitored the system remotely until alarms were re-established. As a result of the loss of automatic control and alarm notifications there were two tank overflows at the RHF tank site during this time frame.

REC also worked with HOA Solutions to attempt to repair the SCADA control issues. Working with HOA the automatic fill of the RFH and GRN tanks has been re-established as well as historical trending. The repairs made are only temporary and will require an integrator to be onsite to further diagnose. REC will coordinate with HOA or another local integrator for a site visit to further troubleshoot the automatic SCADA controls.

Storage Tanks Inspections

The contract has been awarded to Inland Potable for the comprehensive cleaning and inspection of all storage tanks. REC will work with Inland Potable on scheduling and coordination of inspections.

Update – The comprehensive cleaning and inspection for all tanks was completed the week of 5/30/21. At this time no major issues were found by Inland Potable. Once the full report is received REC will review and coordinate any recommendations made by Inland Potable.