REQUEST FOR PROPOSALS CHLORINE BOOSTER STATION

In response to:
EPA LEVEL 2 ASSESSMENT REQUIRED CORRECTIVE ACTIONS

Submitted by:



Natural Resources Consulting Engineers, Inc.

Acting on Behalf of:



UTE INDIAN TRIBE
PO Box 190
Fort Duchesne, UT 84026

December 22, 2021

131 Lincoln Avenue, Suite 300 Fort Collins, Colorado 80524 (970) 224-1851 FAX (970) 224-1885 3927 Martin Luther King Way Jr. Way Oakland, California 94609 (510) 547-0750 FAX (510) 547-0793 P.O. Box 5260 Ras Dashen Street, #5 Asmara, Eritrea

www.NRCE.com

Introduction

The purpose of this document is to solicit proposals from suitably qualified and experienced professionals to determine a Subcontractor to assist in the implementation of actions required by the Revised Total Coliform Rule Level 2 Assessment Required Corrective Actions and Due Dates ("Level 2 Assessment") issued by the U.S. Environmental Protection Agency ("EPA") on September 2, 2021. Natural Resources Consulting Engineers, Inc. ("NRCE") is authorized by the Tribal Business Committee ("BC") to represent and assist the Ute Indian Tribe (Tribe) in matters pertaining to water, water rights, and other environmental and natural resources matters. Therefore, NRCE is assisting the Tribe in executing and documenting the corrective actions outlined in the Level 2 Assessment. This RFP addresses the installation of a chlorine injection station (Station) to maintain proper chlorine residual in the distribution system at the Ouray community. The site for this Station is located in Indian country, as defined by 18 U.S.C. § 1151, on the Uintah and Ouray Reservation at: 40.1030, -109.6806.

The work summarized below and detailed in the Requirements section must be performed to full satisfaction and approval of NRCE, EPA, and the BC.

- Design and construction of building to house instrumentation and chlorine injection equipment, including ventilation, heating, and lighting.
- Rerouting water main from below ground into the Station.
- Installation of necessary pipe, fittings, instrumentation, and injection equipment.

NRCE will receive proposals via e-mail until 3:00 pm MST Wednesday January 26th, 2022. Proposals submitted after that time will not be considered. NRCE reserves the right to disqualify any proposal deemed incomplete. Proposals will become the property of NRCE and will be kept confidential. Proposals should be submitted by e-mail to rmcbride@nrce.com. The email subject should be:

PROPOSAL - CHLORINE BOOSTER STATION

A mandatory pre-proposal meeting will be held virtually at 10:00 am on January 12, 2022. An optional site-visit may be requested by Proposers wishing to travel to the location of the project.

Questions regarding the proposed work may be submitted by e-mail to the project manager. Questions must be received no later than 5:00 pm MST Thursday January 20th, 2022. Answers to timely submitted questions will be provided within 48 hours from the time they are received and sent to a proposer mailing list. To be included on this mailing list, contact the project manager. Proposal evaluation will begin immediately following the proposal submission deadline. Evaluation factors will include technical capability, understanding of project requirements, ability to perform the project requirements, past performance, and cost. NRCE anticipates notification of successful proposal award by February 23rd, 2022. NRCE reserves the right to reject any and all

proposals for any reason deemed to be within NRCE's or the BC's interest. For questions about the proposed work please direct your questions to:

Project Manager: Ryan McBride, M.S., P.E.

Senior Engineer
Natural Resources Consulting Engineers, Inc.
131 Lincoln Avenue, Suite 300
Fort Collins, CO 80524
www.nrce.com

Ph: 970-224-1851 Fax: 970-224-1885

rmcbride@nrce.com

Substantial Completion for this project is May 31, 2022.

Compliance with Tribal Laws and Policies:

The successful bidders will be responsible for ensuring compliance with Tribal laws and policies by all persons entering the Uintah and Ouray Reservation (Reservation) to carry out the terms of their agreement. This includes Managers, Staff, Employees, or Subcontractors engaged by the Contractor. The bidder must obtain a Tribal business license, access permit, and Ute Tribe Employment Rights Office (UTERO) permit prior to commencing construction.

Please review the following items which will affect the successful bidder:

Business License: All persons engaging in business activities within the Uintah and Ouray Reservation are required to apply for and purchase a Business License appropriate to the type and term of their business activity. As part of the business license, the bidder, must obtain an access permit. If you are caught on the Reservation without an access permit you may be fined and escorted off the Reservation. The bidder should allow sufficient time to obtain the necessary Tribal license and permits. Application for the Business License which includes information on the access permit can be obtained by calling the Tribal Energy & Minerals Department at (435) 725-4950 or by clicking on the following link:

https://www.utetribe.com/business-permit-forms.html#

<u>Ute Tribe Employment Rights Office (UTERO)</u>: The Ute Tribe Employment Rights Office will provide successful bidders with information relevant to their obligations under this Request for Proposal. Please use the links below to find contact information and regulations related to UTERO obligations:

http://www.utetribe.com/images/Departments/UTERO/UTERO Application Checklist.pdf

<u>Sovereign Immunity</u>, <u>Applicable Law/Jurisdiction</u>: Any and all disputes arising under any contract to be negotiated hereunder or out of the proposal submitted in response to this RFP shall be governed by the laws of the Tribe. Successful bidders will be required to agree to submit to the jurisdiction of the courts of the Ute Indian Tribes to enforce the provisions of any contract entered into.

Nothing within this RFP shall be construed as a waiver of the sovereign immunity of the Ute Indian Tribes or its enterprises, officers, agents and employees and the successful bidder shall be bound by the same terms under any agreement negotiated as a result of their response to the RFP.

Tribal Member Preference

Whenever proposals are solicited, award shall be made to the resident Tribe member proposer making the lowest bid if such bid is not more than five percent (5%) higher than that of the lowest responsible nonresident Tribal member and provided that proposals are not of inferior quality to those offered by competitors that are not Tribal members. Resident Tribal members will be required to show proof of Tribal membership

Background

The EPA Region 8 has issued to the Tribe a Level 2 Assessment conducted subsequent to the issuance of an Emergency Administrative Order (Order) pursuant to the authority of section 1431(a) of the Safe Drinking Water Act (Act), 42 U.S.C. § 300i(a) to address noncompliance with the Revised Total Coliform Rule (RTCR). These actions were taken in response to routine and repeat samples taken in August 2021 from the distribution system in the vicinity of the Ouray community that tested positive for total coliform and *E. Coli*.

The work to be performed in this RFP is in response to the sanitary defect number 3.7 of the Level 2 Assessment which states: "A chlorine booster chemical feed pump will be added to the mainline serving Ouray by 01/01/2022" and "A 0.5 mg/L free chlorine residual will be maintained in the Ouray area."

As part of the BC's management, protection, and advancement of the natural resources of the Tribe, the BC retained NRCE, as the water resources engineering firm to represent and assist the Tribe in matters pertaining to water, water rights, and other environmental and natural resources including the representation of the Tribe in resolving this matter.

Project Summary

This project involves the installation of a chlorine booster pump station which will increase the chlorine residual of the water that is delivered to the Ouray community. A building will be constructed to house the chlorine injection equipment as well as an online chlorine analyzer and a flow meter (Attachment 1). The chlorine injection system will be able to control the chlorine dose based on both the flow in the main and the residual measured by the chlorine analyzer. The building will be equipped with heating, ventilation, and interior and exterior lighting. A security fence will

be installed to limit access to the facility. A driveway and turn around area will be provided for access of staff vehicles.

The buried water main will be rerouted away from the right of way to the location of the booster station. Appropriate valving will be installed to provide a valving configuration where the chlorine booster station can be bypassed.

Technical Specifications

The Standard Specifications governing this project shall be the State of Utah Design and Construction Rules R309-520 and applicable specifications from R309-500 through R309-550. However, plans will be reviewed/approved by NRCE and the EPA. In addition, the following Special Provisions/Design Requirements will apply.

Design and Documentation

A drawing is included in this RFP of a generalized design that meets the requirements of this RFP. This drawing is included only for reference purposes and is not intended to be used for construction. The Proposer shall provide the building design and construction drawings stamped by a licensed professional engineer.

Payment Schedule

The Proposer shall submit invoices based on partial or full completion to NRCE. Upon NRCE approval, invoices will be submitted to the Tribe. The Proposer will be paid after the Tribe has transferred the fund to NRCE. The successful Proposer should expect this payment process to take two to three months.

Table 1 Summary of tasks in the request for proposal

Task No.	Task Description	Deliverables
1	Detail design and shop drawings	Construction level drawings and requirements
2	Construction of a building enclosure	Erected building, as-built drawings
3	Installation of ventilation system	Installed ventilation, instruction manuals
4	Interior lighting	Installed lighting in interior of building
5	Exterior lighting	Installed lighting on the exterior of the building
6	Fencing	Installed fencing with gate and lock
7	Reroute water main to building	Underground piping and associated valves and valve cans, as-built drawings
8	Interior piping and instrumentation	Piping within the building and associated flow meters, valves, and connections, as-built drawings
9	Site work	Grading of driveway and turnaround
10	Chlorine analyzer	Online chlorine analyzer connected to SCADA, instruction manuals
11	Flow monitoring	Flow meter with connection to SCADA
12	Chlorine injection system	Chlorine injection system with associated pumps and controller, instruction manuals
13	Telemetry	Any necessary antennas, phone line connection, radio or other communication means to communicate with the SCADA system
14	Site clean up and revegetation	Clean up of sites of building and appropriate revegetation
15	As-built drawings and documentation	All relevant as-built drawings, instruction manuals and standard operating procedures

Special Provisions

Building Enclosure

- 1) A precast concrete building enclosure will be constructed to provide protection to the exposed water main, instruments, and the chemical feed equipment.
- 2) The building must meet all applicable regulations under federal, Tribal, and State of Utah regulations.
- 3) Door locks will be keyed to match a master key.
- 4) Ventilation system that provides at least 1 complete air change per minute when room is occupied.

Pipework

1) The contractor must verify the diameter and material of the existing water main in the location of the Station. The pipe is believed to be 4-inch or 6-inch PVC. The new pipe to

- be added to route the water main through the Station shall be 6 inches in diameter.
- 2) The existing water main will remain in place with gate valves installed at each new pipe connection to allow for a valving configuration which will bypass the Station.
- 3) All buried valves must have a valve can with riser to surface grade.

Instrumentation

- 1) A continuous free chlorine analyzer will be installed prior to the chlorine injection system.
- 2) A 6-inch magnetic flow meter will be installed according to the manufacturer's recommendations.
- 3) A chlorine injection system will be installed along with any control equipment to allow for chlorine addition to the water main and which can be controlled based on the chlorine residual and the flow rate in the water main.
- 4) All instrumentation and control equipment in the System will be compatible with the current Supervisory Control and Data Acquisition (SCADA), and telemetry must be installed to communicate with the SCADA system from the booster station.

Site work

- 1) Gravel driveway with 3-inches of road base from nearest road to the building with turnaround will be installed.
- 2) If necessary for loading and unloading equipment and chemicals, proper access area and bollards will be installed.
- 3) Any disturbed area is to be regraded and revegetated to pre-construction conditions. Safety
 - 1) The facility must comply with federal and State of Utah regulations regarding the storage and use of chlorine.
- 2) The booster station design must have a professional engineer stamp if required by the EPA. General
 - 1) The Proposer shall coordinate with the Tribe to notify all water users downstream of the chlorine booster station/chlorinator building prior to disruption in the water services. Any service disruption shall not be longer than 6 hours.
 - 2) The quantities provided are to assist proposers in preparing a proposal. However, these quantities are not guaranteed, and the Proposer shall be responsible for final quantity take-offs. Successful Proposer is required to do final design and shop drawings and inform the Tribal representative of any proposed changes in materials, dimensions, or other specifications. The final design, shop drawings, materials, dimensions, and specifications are subjected to the Tribe's engineer approval prior to implementation.
 - 3) All concrete work for valve chambers, thrust blocks, floors, door landing, etc. shall be 4,000 psi or greater compressive strength. All pipeline and the associated fittings shall be ductile iron or PVC and conforming to AWWA relevant regulations and standards. Other building or electrical control material shall conform to all applicable Tribal and state regulations and standards.
 - 4) The site surface condition and topography are approximately as shown in the photos and

- described in the RFP based on the available elevation data. The work may include excavation, backfilling, and leveling. All filling shall be compacted to 95% Standard Proctor max density.
- 5) Successful Proposer shall confine construction equipment, temporary construction facilities, the storage of materials and equipment, and the operations of workers to the site, adjacent areas that successful Proposer has arranged to use through construction easements or otherwise, and other adjacent areas permitted by laws and regulations, and shall not unreasonably encumber the site and such other adjacent areas with construction equipment or other materials or equipment.
- 6) Successful Proposer shall assume full responsibility for (a) damage to the site; (b) damage to any such other adjacent areas used for operations; (c) damage to any other adjacent land or areas; and (d) for injuries and losses sustained by the Tribe or occupants of any such land or areas; provided that such damage or injuries result from the performance of the work or from other actions or conduct of the contractor or those for which contractor is responsible.
- 7) During the progress of the work, the successful Proposer shall keep the site and other adjacent areas free from accumulation of waste materials, rubbish, and other debris. Removal and disposal of such waste materials, rubbish, and other debris shall conform to applicable laws and regulations.
- 8) The successful Proposer shall clean the site and make it ready for utilization by the Tribe at which point the project will be considered substantially completed. NRCE will evaluate the work and issue a punch list of items to be resolved. Final completion will occur when the successful Proposer has resolved all issues on the punch list, removed from the site and adjacent areas all tools, appliances, construction equipment and machinery, and surplus materials and has restored to original condition all property not designated for alteration by the contract documents.

Table 2: Bid Schedule

Item No.	Item Description	Units	Expected Quantity Range	Quantity for Evaluation Purposes	Unit Price	Sub-Total
1	Detail design, shop drawings, and specifications	Each	1	1		
2	Mobilization and Demobilization	Each	1	1		
3	Precast Concrete Building Enclosure & Installation	Each	1	1		
4						
5	Lighting - Interior	Each	1	1		
6	Lighting - Exterior	Each	1	1		
7	8-ft Chain Link Fencing and 6-ft Gate	Linear foot	240	240		
8	6-in PVC Pipe (horizontal piping between existing water main and building)	Linear foot	100-300	200		
9	6-in DIP (vertical piping and piping in building)	Linear foot	10-50	30		
10	6-in Gate Valves	Each	5	5		
11	Misc. Pipe Fittings	Each	1	1		
12	Site Work (Given a 200 ft driveway from main road)	Each	1	1		
13	Chlorine Monitoring	Each	1	1		
14	Flow Monitoring	Each	1	1		
15	Chloring Injection System	Each	1	1		
16	Telemetry	Each	1	1		
17	Site Clean Up and Revegetation	Each	1	1		
18	Documentation (as-built drawings, instruction manuals, standard operating procedures)		1	1		
Total						

Submission of Proposals

Interested Proposers are to provide NRCE with a thorough proposal including the following sections:

- Cover letter summarizing key elements of the proposal and signed by an individual authorized to contractually bind the Subcontractor. The letter must stipulate that the proposal price will be valid for a period of at least 180 days.
- **Company Information** submitting a general statement about the organization and qualifications of the Subcontractor, including but not limited to:
 - o Company name, business address, e-mail address, website address, telephone number and fax number
 - Contact person(s) with title(s)
 - Business size and type
 - O Professional history and affiliations. Please include a minimum of three example projects of similar scope and complexity to this project that were successfully completed. Please include a description of the project scope, project location, costs, construction issues if applicable, name of project owner and contact information for reference purposes.
 - o Range of relevant professional services capabilities
 - o Previous experience with Tribal Communities
- **Project Summary/Background** describing your understanding of the work and objectives to be accomplished.
- **Methodology and Approach** providing a detailed description of the approach and methodology to be used to accomplish the requirements found in this RFP, including:
 - o An implementation plan that describes in detail the following
 - How the building is to be constructed
 - How the System is going to be connected to the water main, including how the installation will ensure proper bedding of all installed water main.
 - The necessary specifications and components of the Chlorine Injection System
 - Detailed description of efforts your firm will undertake to achieve client satisfaction and to satisfy the requirements of the RFP.
 - o Innovative and/or creative approaches for providing the service that will maximize efficient, cost-effective operations or increased performance capabilities.
- **Staffing** providing a list of personnel who will be working on this project and their respective functions, qualifications, and their proposed involvement in the work.
- **Financial Stability and Capability** providing the Proposer's latest financial statements and financial references to allow NRCE to reasonably formulate a determination about the financial capacity of the Proposer.

• Costs – submitting an itemized cost proposal for each task described in the Requirements section of the RFP according to the Bid Schedule found in Table 2. The cost for each task shall include all associated/itemized costs to implement the task including, but not limited to, travel, per diem, labor hours, laboratory analysis, field visits and field work, administrative and overhead costs, etc. Proposals shall be valid for a minimum of 180 days following submission.

Evaluation Process

NRCE will use the criteria and weighting factors shown in Table 3 to evaluate proposals:

Table 3 Evaluation matrix that will be used to review proposals.

Description	Weight
Qualifications and Experience of Entity, Current or Past Projects, and Personnel – Includes ability to provide the requested scope of services; the Proposer's professional capacity; recent experience conducting work of similar scope, complexity, and magnitude for other clients of similar size; references; and qualifications of proposed personnel.	30%
Approach to Providing the Requested Scope of Services – Includes an understanding of the RFP and of the project's scope of services, knowledge of applicable laws and regulations related to the scope of services and how the firm will administer their services Including demonstrating how innovative and/or creative approaches provide additional efficiencies or increased performance capabilities.	10%
Ability to meet Schedule and Budget – How the firm has met previous obligations and what technical or business tools will be utilized to perform the work.	20%
Experience working with Tribal communities – Includes previous experience related to projects or services performed for Native American Tribes (preferably work with Ute Indian Tribe).	10%
Cost or Price Proposal – Will be evaluated based on the total price submitted for the tasks. The lowest price will receive a full score (30) and other proposals will be evaluated based on the formula: (lowest price / proposed price) x 30	30%

NRCE will adhere to NRCE Procurement Policy, following procedures in evaluating proposals. The NRCE Evaluation Committee will screen and review all proposals according to the weighted criteria set forth above. While price is one basic factor for award, it is not the sole consideration. Following conclusion of the screening stage of the evaluation process, the Evaluation Committee will rank all received proposals and make a recommendation for award and forward the evaluation results to the Business Committee for review and final approval. Recommendation for award is contingent upon the successful negotiation of final contract terms. Negotiations shall be confidential and not subject to disclosure to competing Proposers.

Additional Terms and Conditions

Protest Procedures: Failure to comply with the rules set forth herein may result in rejection of the proposal. Protests based upon restrictive specifications or alleged improprieties in the proposal procedure which are apparent or should have been reasonably discovered prior to receipt of proposals shall be filed in writing with NRCE within 5 business days of notification of non-award. The protest must clearly specify the grounds and evidence on which the protest is based.

Confidentiality: Proposals will become the property of NRCE to be shared with the Tribe and will otherwise be kept confidential. The information in the RFP is only to be used to develop proposals and is not to be otherwise shared or used.

Certificate of Conflict-of-Interest Form: Proposers and Proposers' representatives should not communicate outside the procedures set forth in this RFP with an officer, employee or agent of the Tribes, including any member of the Evaluation Committee, with the exception of the RFP Facilitator, regarding this RFP until after contract award.

Conflict of Interest: The Proposer warrants and represents that it presently has no interest and agrees that it will not acquire any interest which would present a conflict of interest.

Insurance Requirements: NRCE requires that licensees, lessees, and vendors have an approved Certificate of Insurance (not a declaration or policy) or proof of legal self-insurance on file with the NRCE for the issuance of the contract. Within ten (10) consecutive calendar days of award of contract, successful Proposer must furnish the NRCE with the Certificates of Insurance proving coverage.

Standard Terms and Conditions: NRCE reserves the right to amend or supplement this RFP prior to the proposal due date. All addendums and additional information will be sent to the Proposers. NRCE reserves the right to reject any or all responses to this RFP and waive any informalities or irregularities therein. This RFP may be cancelled, and no award granted. Any cost incurred by the offeror(s) in preparation, transmittal, or presentation of any proposal or material submitted in response to this RFP shall be borne solely by the offeror(s).

COVID-19 Requirements: The successful Proposer will be required to follow all COVID-19 related requirements of the client, county and other, applicable governing bodies. The successful Proposer will be asked to submit a safety plan showing planned compliance that adheres to the client's current COVID-19 requirements upon receipt of contract. Such conditions may include complying with all Centers for Disease Control and Prevention recommended prevention measures, PPE requirements, social distancing and sanitation procedures, restricted number of personnel on site, post travel quarantine and limited vehicle sharing. Requirements are subject to change and the subcontractor, along with prime contractor, will be expected to comply with the most recent federal, local and client requirements at the time work commences.

OURAY CHLORINE BOOSTER STATION 60% Plans

Ute Tribal Water System

NOT FOR CONSTRUCTION

Sheet	Title
1	Title Sheet
2	Site Plan
3	Chlorine Booster Station Plan & Cross-Sectional View
4	Chlorination Building Elevations

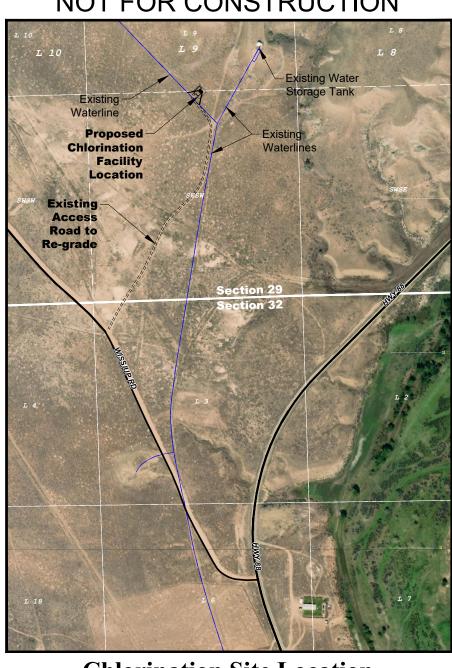
BLUE STAKES UTILITY NOTIFICATION CENTER

It's the law - Call before you dig. Give notice 3 business days before you dig. 811 or 1-800-662-4111 (toll free)

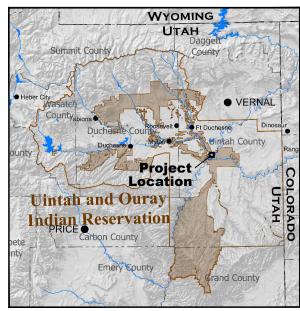
Prepared for:

Ute Indian Tribe Water System P.O. Box 190 Fort Duchesne UT 84026 Phone (435) 722-5141

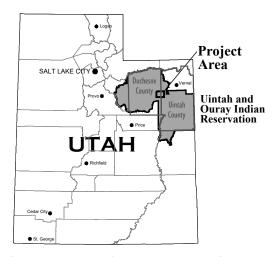
https://www.utetribe.com/departments/water-systems.html



Chlorination Site Location T 4 S, R 3 E, Section 29, SE1/4 SW1/4 & Lot 9



Overview Project Location



Regional Project Location

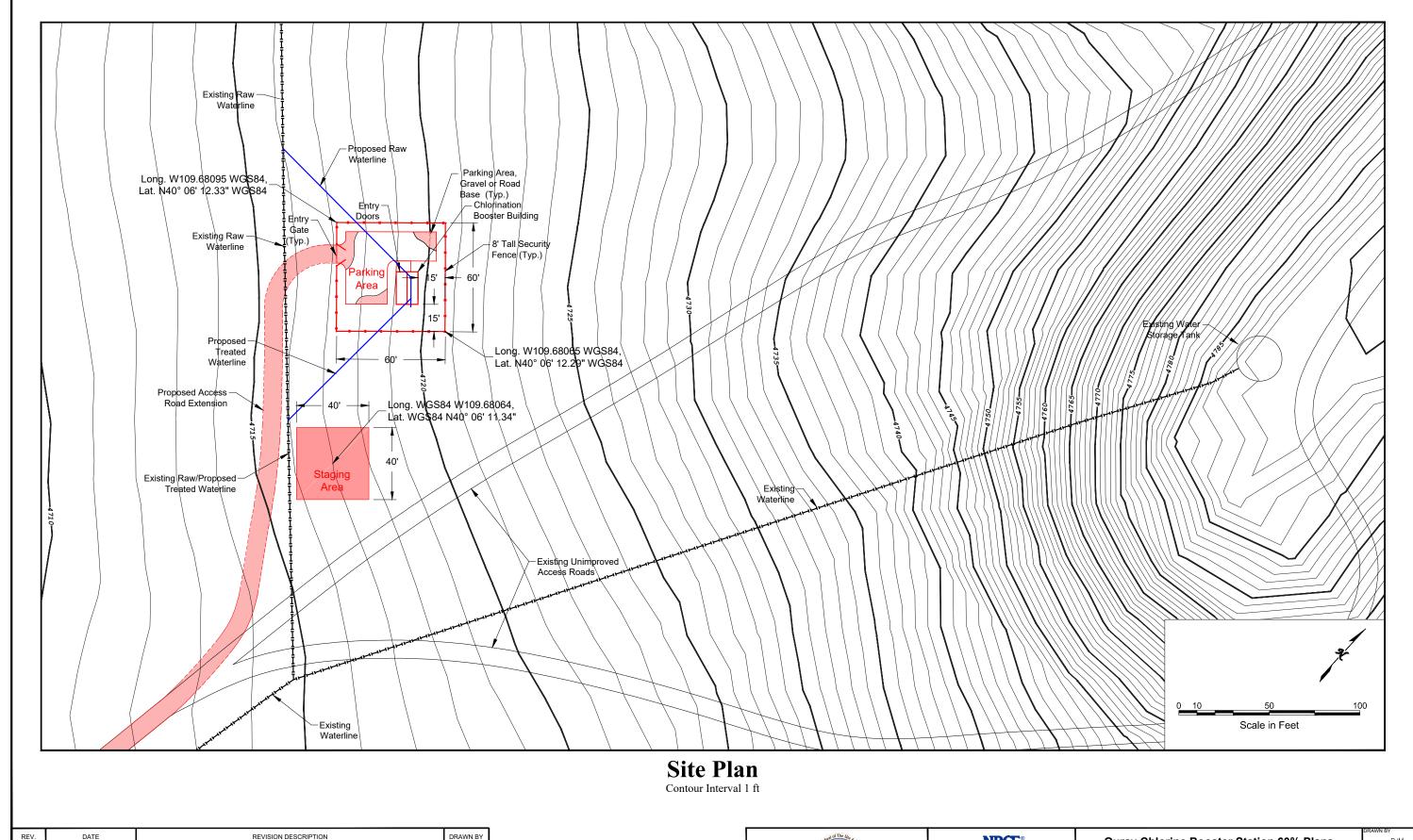
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Ouray Chlorine Booster Station 60% Plans	DRAWN BY RJM
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Sheet 1 of 4	11/15/2021 PROJECT NO. 0400



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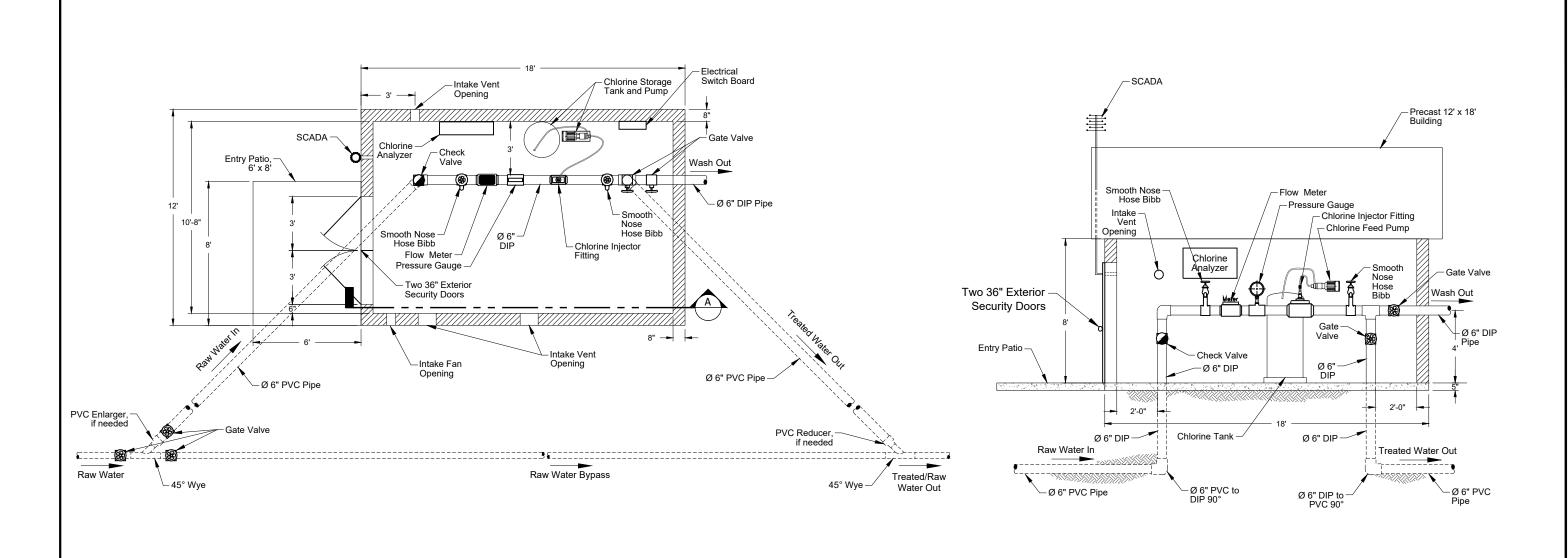
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Ouray Chlorine Booster Station 60% Plans	RJM	
Site Plan	GG and RKM	
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Sheet 2 of 4	PROJECT NO. 0400	



Plan Scale: 1:64



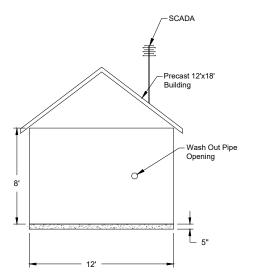
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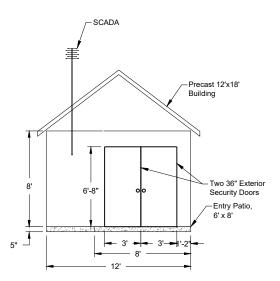


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Ouray Chlorine Booster Station 60% Plans	RJM
Chlorine Booster Station Plan & Cross-Sectional View	GG and
Sheet 3 of 4	11/15/2 PROJECT NO. 0400



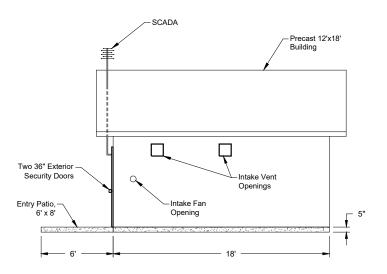
Front Elevation
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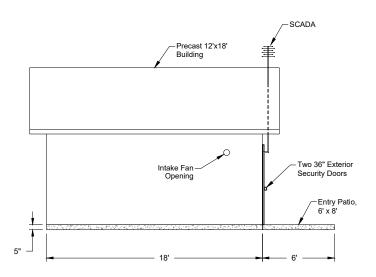
Rear Elevation
Scale: 1:96

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Left Side Elevation



Right Side Elevation



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Ouray Chlorine Booster Station 60% Plans	RJM CHECKED BY
Chlorination Building Elevations	GG and RKM DATE 11/15/2021
Sheet 4 of 4	PROJECT NO. 0400