

## **TECHNICAL MEMORANDUM**

TO:Board of AdjustmentFROM:Brad Rasmussen, P.E.DATE:October 14, 2024SUBJECT:Green Hills Country Estates Water and Sewer Improvement District Water<br/>Treatment PlantPROJECT NO.:002703.C

The Green Hills Country Estates Water and Sewer Improvement District (District) was issued a Compliance Agreement / Enforcement Order (CA/EO) from the Utah Division of Drinking Water as shown in Appendix A. The district contracted with Adura Engineering to design a water treatment facility that would meet the CA/EO. The location selected for the treatment facility was on the same parcel of property that the existing well is located. The site plan is included in Appendix B. The parcel of property is owned by the Home Owners Association (HOA) and the rest of the adjacent properties are privately held. The HOA property was the best location for the treatment facility due to the location of the existing well.

The water treatment facility design was approved by the Division of Drinking Water and the project was bid as required. The contract was awarded to Industrial Piping and Welding (IPW). Soon after the contract award Aqua Engineering was contracted to manage the construction on the project. IPW submitted paperwork to get a building permit from Weber County and they were notified that a conditional use permit was required. Evaluating the required setbacks for the F-5 zoning showed the building would not meet the setback requirements.

Moving the building back to allow for the 30-foot front setback would move the building into the existing well. In addition, the existing metering vault and booster pump manhole would also need to be relocated. The design building location allows for excavation of the hill for the proposed treatment facility and protection of the existing well system.

We are requesting a variance from the setback requirements so the treatment facility that is required from the Division of Drinking Water can be constructed on the property adjacent to the well that is supplying the water for the district.

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## Appendix A Compliance Agreement / Enforcement Order





State of Utah

SPENCER J. COX Governor

DEIDRE HENDERSON Lieutenant Governor

November 8, 2023

Green Hills Country Estates Water and Sewer Improvement District Attn: Jean Brill, Treasure/General Manager PO Box 453 Huntsville, UT 84317

Department of Environmental Quality

> Kimberly D. Shelley Executive Director

DIVISION OF DRINKING WATER

Tim Davis

Director

## Subject: Compliance Agreement / Enforcement Order Green Hills Country Estates UTAH29053

Dear Jean Brill:

We are writing to provide you with a copy of the Compliance Agreement/Enforcement Order (CA/EO) that addresses the drinking water compliance issues currently affecting the Green Hills Country Estates Water and Sewer Improvement District System (System).

The CA/EO includes milestones that the System must meet to come into compliance with the applicable regulations. It also references stipulated penalties that will be assessed if the System does not meet the requirements and/or the deadlines. This CA/EO specifically addresses Gross Alpha MCL exceedances and groundwater turbidity exceeding limits established to protect public health.

Gross alpha particles primarily consist of radioactive materials and pose a risk of internal radiation exposure when consumed. Prolonged exposure to these particles is associated with an increased risk of cancer, particularly bone cancer. Additionally, these substances can harm the kidneys and other vital organs in the body, leading to various health complications. Therefore, maintaining water quality within permissible limits is essential to safeguard public health.

The turbidity standard is designed to limit the concentration of turbidity in drinking water to protect public health. Turbidity is a measure of water's haziness. Turbid water is more likely to contain disease-causing microorganisms, including pathogens responsible for gastrointestinal illnesses, such as Cryptosporidium and Giardia. These microorganisms can cause diarrhea, cramps, and other health problems if ingested.

Please carefully review the enclosed CA/EO, sign, and return it to the Director within 30 days of receiving this letter. Once the document is fully executed, a copy will be returned to you for your records. Failure to return a signed copy within 30 days of this letter may result in an administrative order issued by the director to ensure progress toward compliance.

Jean Brill November 8, 2023 Page 2 of 2

I encourage you to continue to work closely with our Division staff. Your primary contact is Colt Smith at acsmith@utah.gov, or (385) 515-1529.

Sincerely

Tim Davis Division of Drinking Water

cc: Kim Shelley, Utah Department of Environmental Quality, kshelley@utah.gov
Scott Braeden. Weber-Morgan Health Department, sbraeden@co.weber.ut.us
Bridge Street Property Management, LLC, 345 West 600 South #127 Heber City, Utah 84032
Bret Randall, Utah Attorney General's Office. bfrandall@utahag.gov
Steve Latino, Environmental Protection Agency-Region 8, latino.steven@epa.gov
Cameron Draney, Division of Drinking Water, cdraney@utah.gov
Hunter Payne, Division of Drinking Water, hnpayne@utah.gov

## UTAH DEPARTMENT OF ENVIRONMENTAL QUALITY DIVISION OF DRINKING WATER

In the Matter of:	COMPLIANCE AGREEMENT / ENFORCEMENT ORDER
Green Hills Country Estates Water and Sewer Improvement District Public Water System	Docket No. UTAH29053-2023-01

This **COMPLIANCE AGREEMENT** / **ENFORCEMENT ORDER** ("CA/EO") has been issued by the Director of the Utah Division of Drinking Water ("Director"), under the Director's legal authorities described below. This CA/EO has been agreed to by Green Hills Country Estates Water and Sewer Improvement District, a Utah special service district, in its capacity as the "Supplier" who is legally responsible for the System.

## **STATUTORY AND REGULATORY AUTHORITY**

- 1. In 1974, Congress enacted the federal Safe Drinking Water Act, codified at 42 U.S.C. § 300f *et seq.*, as amended. 42 U.S.C. § 300g-2 allows states to achieve primary enforcement responsibility after the Environmental Protection Agency ("EPA") has determined that the state has adopted and can implement a state program that is no less stringent than the federal public drinking water program ("Primacy").
- 2. The Utah legislature has enacted the Utah Safe Drinking Water Act, codified at Utah Code § 19-4-101 (the "Act"), with the intent of achieving Primacy.
- 3. Utah Code § 19-4-104 authorizes the Utah Drinking Water Board (the "Board"), among other things, to make rules regulating public water systems in the state of Utah. Utah Code § 19-4-104(1)(c)(vi) charges the Board to "meet the requirements of federal law related or pertaining to drinking water." The Board has promulgated the Utah Public Drinking Water Rules, codified at Utah Administrative Code ("UAC") R309.
- 4. In 1980, the EPA Administrator determined, in accordance with 40 C.F.R. § 142.11, that the Utah public drinking water program met the federal requirements for Primacy. See 45 Fed. Reg. 6647 (January 29, 1980). In accordance with 40 C.F.R. § 142.17, the EPA Administrator has reviewed, and continues to review annually, the Utah public drinking water program to evaluate its continuing compliance with the requirements set forth in 40 C.F.R. Part 142.
- 5. The Board has defined public water systems under the Utah Public Drinking Water Rules, UAC R309-110-4.

- 6. UAC R309-100-7 directs the Director to "assign a rating to each public water supply in order to provide a concise indication of its condition and performance" in accordance with R309-400. This rule is generally known as the Improvement Priority System ("IPS") rating system.
- 7. The IPS rating system "is a point system used by the division to evaluate a public water system's performance and compliance with the drinking water rules in Title 309, Environmental Quality, Drinking Water." UAC R309-400-3(1). Under the IPS rating system, each public water system is assigned a rating "to characterize the water system's compliance with drinking water rules and overall operation and performance." UAC R309-400-3(2). The IPS rating system is "used by the division to assign compliance ratings to public water systems and to prioritize enforcement action based on points assessed for noncompliance with drinking water rules." UAC R309-400-1(1).
- 8. UAC R309-400-4(1)(a)(ii) directs the Director to establish "the point thresholds for assigning an Approved or Not Approved rating for each type of water system." For systems exceeding the point threshold, the Director may issue a "Not Approved" rating. The thresholds are as follows: (i) for community water systems, 150 points; (ii) for non-transient, non-community water systems, 120 points; and (iii) for non-community water systems, 100 points.
- 9. UAC R309-400-4(4) allows the Director to assess points against public water systems upon their failure to comply with Division directives and orders.
- 10. UAC R309-400-5(1)(b)(ii) allows the Director to rate any public water system as "Not Approved" at any time if an immediate threat to public health exists.
- 11. UAC R309-400-5(1)(c) provides that a public water system may qualify for a "Corrective Action" rating for its public water system "based on a current, written agreement with the division to resolve underlying noncompliance according to a compliance schedule."
- 12. Pursuant to Utah Code § 19-4-106(d), the Director may enforce rules promulgated by the Board through the issuance of orders. *See also* UAC R309-100-8.
- 13. Utah Code § 19-4-107 provides that upon discovery of any violation of the Act or a rule of the Board, the Director shall promptly notify the supplier of the violation, state the nature of the violation, and issue an order requiring correction of that violation.
- 14. Utah Code § 19-4-109 provides that any person who violates the Act or a rule or order made or issued pursuant to the Act may be subject to an administrative penalty of up to \$1,000 per day of violation or a civil penalty of up to \$5,000 per day of violation.

#### **FINDINGS**

The Director makes the following Findings for purposes of this CA/EO:

- 1. There exists approximately one-mile east of Huntsville in Weber County, Utah, a drinking water system, known as the Green Hills Country Estates Water and Sewer Improvement District Public Water System (the "System") that serves a population of approximately 237 persons. The System generally includes three active concrete storage tanks, a booster pumping station, two wells, and an independent distribution system serving approximately 103 residential connections.
- 2. The Supplier (defined above) is the owner and/or operator of the System and is, therefore, legally responsible for the System and for compliance with applicable laws, rules, and regulations.
- 3. The System is a public drinking water system within the meaning of the Utah Safe Drinking Water Act and the Utah Public Drinking Water Rules.
- 4. The System qualifies as a community water system under the Utah Public Drinking Water Rules. The maximum number of points allowed for this type of system is 150.
- 5. The IPS Report attached describes several violations and deficiencies associated with the System, which form the basis of this CA/EO (the "Violations and Deficiencies"). Supplier agrees and stipulates that the information contained in the attached IPS Report is true and correct as of the date shown on the IPS Report.
- 6. The U.S. Environmental Protection Agency (EPA) and Utah Division of Drinking of Drinking Water's limit for groundwater source turbidity is 5 nephelometric turbidity units (NTU). This standard is designed to limit turbidity concentration in drinking water to protect public health.
- 7. Turbidity is a measure of water's haziness. Turbid water is more likely to contain disease-causing microorganisms, including pathogens responsible for gastrointestinal illnesses, such as *Cryptosporidium* and *Giardia*. These microorganisms can cause diarrhea, cramps, and other health problems if ingested.
- 8. Utah Division of Drinking Water Rule R309-205-8 requires that if a groundwater source sample exceeds the 5 NTU turbidity limit, the Supplier is required to collect three additional samples at the source within one month of the initial sample. When the average of these four sample analyses (rounded to the same number of significant figures) exceeds the maximum turbidity limit, the Supplier is required to provide public notice as outlined in R309-220, and the Director may reclassify the water type, require raw water treatment as described in R309-525 or R309-530, and/or require additional monitoring.
- 9. The Utah Division of Drinking Water was informed of colored water complaints in March of 2022. Sampling conducted by the System to investigate the cause of these complaints resulted in turbidity measurements of 45 NTU at WS002, with the required three follow-up samples resulting in turbidity measurements significantly above 5 NTU. As a result, WS002 was reclassified as requiring filtration. Since March of 2022, the System has been conducting regular turbidity monitoring of WS002.

- 10. The Supplier (WS002) has been diligently monitoring turbidity levels in its water supply. The results for turbidity (measured in NTU) over the past year are as follows: March 2, 2022, 45 NTU; April 13, 2022, 14 NTU; April 20, 2022, 19 NTU; April 22, 2022, 27 NTU; May 17, 2022, 16 NTU; June 22, 2022, 51 NTU; July 27, 2022, 13 NTU; August 10, 2022, 20 NTU; September 26, 2022, 1.3 NTU; October 31, 2022, 5.2 NTU; November 8, 2022, 3.3 NTU; December 20, 2022, 47 NTU; January 25, 2023 26 NTU; February 26, 2023, 73 NTU; March 26, 2023, 43 NTU; April 17, 2023, 21 NTU; May 22, 2023, 28 NTU; June 20, 2023 16 NTU; July 26, 2023 7.8 NTU; August 9, 2023, 28 NTU; and September 27, 2023, 16 NTU.
- 11. The U.S. Environmental Protection Agency (EPA) and Utah Division of Drinking Water's Maximum Contaminant Level (MCL) for Gross-Alpha radioactivity is 15 picocuries per liter (pCi/L). This standard is designed to limit the concentration of alpha particle-emitting radionuclides in drinking water to protect public health. Excessive levels of gross alpha particles in drinking water, surpassing the Maximum Contaminant Level (MCL) established by the U.S. Environmental Protection Agency and the Utah Division of Drinking Water, can have adverse health effects.
- 12. Gross alpha particles primarily consist of radioactive materials and pose a risk of internal radiation exposure when consumed. Prolonged exposure to these particles is associated with an increased risk of cancer, particularly bone cancer. Additionally, these substances can harm the kidneys and other vital organs in the body, leading to various health complications. Therefore, maintaining water quality within permissible limits is essential to safeguard public health. For systems monitoring gross-alpha more than once per year, compliance with MCL is determined on the annual average of individual sample results R309-205-7(3)(i).
- 13. The System began monitoring quarterly for Gross Alpha at Well #2 (WS002) on May 14, 1997. A sample taken on September 26, 2022, measured 15.9 pCi/L, exceeding the established MCL. The Director increased the system's Gross Alpha sampling to quarterly.
- 14. Samples taken on January 25, 2023, May 22, 2023, and July 1, 2023, yielded 16.7 pCi/L, 17.4 pCi/L, and 29.9 pCi/L, respectively. These results constitute an annual average of 20 pCi/L, which exceeds the established MCL.

#### <u>ORDER</u>

Based on the foregoing Findings, the agreement of the Supplier, and good cause appearing, **IT IS HEREBY ORDERED** as follows:

15. Attached hereto as an Enforcement Order Schedule – UTAH29053-2023 ("Enforcement Order Schedule") listing the violations and deficiencies associated with the System as well as a description of specific corrective actions and other measures that are required for the System to comply with the Safe Drinking Water Act and the Board's rules, including the

dates by which such corrective actions and other measures shall be completed. The Supplier is hereby ordered to complete all corrective actions and other measures described in the Enforcement Order Schedule, to the satisfaction of the Director, on or before the due dates identified in the Enforcement Order Schedule.

- 16. The Supplier agrees to collect all samples required by the Safe Drinking Water Act and the Board's rules and to report the sample results to the Director within the timeframe mandated by rule.
- 17. The Supplier agrees to provide Tier II Public Notice to residents consistent with R309-220-6. The Supplier agrees to provide proof of public notification to the Director by the 10th day of the month following the relevant quarter. In accordance with R309-220-6, within 30 days of this Order, the Supplier must provide notice of the violation listed in the Enforcement Order Schedule and IPS Report via:
  - (a) Direct contact with customers by at least one of the following methods:
    - (i) email;
    - (ii) phone calls (automated or personal);
    - (iii) text message; or
    - (iv) hand or direct delivery (will need to select a second method); and
  - (b) Broadcast contact with customers by at least one of the following methods:
    - (i) television;
    - (ii) social media (Facebook, Instagram, Twitter, etc.);
    - (iii) posting on the Water System's website;
    - (iv) posting in conspicuous locations throughout the water system (will need to select a second method); or
    - (v) a press release.

Please note that all violations that occurred in 2023, including the gross-alpha MCL, must also be included in the Supplier's Consumer Confidence Report for 2023, which is due to be delivered to the System's community by July 1, 2024.

- 18. Within 60 days after execution of this Order, the Supplier shall provide the Division of Drinking Water with a schedule for the System to come into compliance with the Gross Alpha MCL in R309-200-5(4)(c) and turbidity exceedance. The plan shall include proposed modifications to the System, estimated costs of modifications, and a proposed plan and schedule for project completion and compliance with the Gross Alpha MCL and turbidity exceedance. The plan shall also include specific milestone dates and a final compliance date (to be within six months from the date of the DDW approval of the plan). The schedule must be approved by the Director before construction or modifications can begin.
- 19. The schedule required by paragraph 18 above will be incorporated into this Order as an enforceable requirement upon written approval by the Director.

- 20. Within 90 days of receipt of the Director's approval of the schedule required by paragraph 18 above, the Supplier shall provide the Director with quarterly reports on the progress made toward bringing the System into compliance with the requirements of R309-200-5(4)(c). Each quarterly report is due by the 10th day of the month following the end of the relevant quarter.
- 21. Within 10 days of completing all tasks included in the schedule required by paragraph 18 above, the Supplier shall notify the Director of the project's completion.
- 22. The Supplier must achieve and maintain compliance with the Gross Alpha MCL by the final date specified in the approved schedule. If implementation of the plan fails to achieve permanent compliance, the Director may order further steps and/or seek penalties for noncompliance.
- 23. This Order shall be binding on the Supplier and any person (e.g., employee, contractor, or other agent) acting in concert with the Supplier.
- 24. The Supplier shall send all reporting and notifications required by this Order in writing to:

Utah Division of Drinking Water P.O. Box 144830 Salt Lake City, Utah 84114-4830 Email: ddwreports@utah.gov

#### **GENERAL PROVISIONS**

- 25. Based on this CA/EO, the Director hereby rates the System as "Corrective Action" status. The "Corrective Action" rating is conditioned upon the Supplier's adherence to the requirements of this CA/EO, the Act, and the Public Drinking Water Rules. The Director may re-rate the System as "Not Approved" at any time based on any violation of this CA/EO, the Act, or the Public Drinking Water Rules.
- 26. Upon satisfactory compliance with the requirements in the Enforcement Order Schedule, the Director shall issue a subsequent administrative order closing out this CA/EO and rating the System as "Approved" in accordance with UAC R309-100-7 and R309-400. Pursuant to such subsequent order, the Director may also take other appropriate actions or impose appropriate conditions, based on the facts presented.
- 27. The Supplier hereby stipulates and agrees to pay, within 30 days of demand by the Director, administrative penalties in the following amounts arising from any and all violations of this CA/EO, on a per-day, per-violation basis:

Penalty Per Violation Per Day	Period of Noncompliance
\$ 250	1st through 14th day
\$ 500	15th through 30th day

### \$1,000 31st day and beyond

- 28. In the event of any violation of this CA/EO with criminal negligence, within the meaning of Utah Code § 19-4-109(7)(b), the Director reserves the right, in the Director's sole discretion, to seek the imposition of fines and civil penalties under that section in addition to stipulated administrative penalties under this CA/EO.
- 29. Nothing in this CA/EO shall be construed as prohibiting, altering, or in any way limiting the ability of the Director to seek injunctive relief pursuant to Utah Code § 19-4-107(2) arising from violations of this CA/EO, the Act, or the Utah Public Drinking Water Rules.
- 30. This CA/EO does not in any way relieve the Supplier from any other obligation imposed under the Act or any other state, federal, or local law, rule, or regulation. The Director reserves that this CA/EO is without prejudice to all rights against the Supplier that the Director may have pertaining to matters not addressed in this CA/EO, including: (a) violations of this CA/EO; (b) future violations of the Act or the Utah Public Drinking Water Rules; and (c) criminal liability.
- 31. The Director has the jurisdiction and authority to make the findings set forth in this CA/EO and to otherwise enforce the terms of this CA/EO.
- 32. The date of issuance shall be the date that this CA/EO is executed by the Director.
- 33. As of the date of issuance, this CA/EO shall constitute a final administrative order under the Act and shall operate as a final adjudication upon the merits of the matters addressed herein. In the Director's sole discretion, violations of this CA/EO may result in the commencement of an action for civil enforcement in state district court by the attorney general, as provided in Utah Code Section 19-4-107. Such actions may seek injunctive or other relief, including the imposition and collection of civil penalties as allowed by law. The Supplier agrees that in any enforcement action, it shall not contest the finality or validity of this CA/EO or the Director's authority to enter it as a final administrative order under the Act.
- 34. The dates set forth in the Enforcement Order Schedule may be extended in writing by the Director, in the Director's sole discretion, based on the Supplier's showing of good cause. Good cause for an extension generally means events outside of the reasonable control of the Supplier, such as force majeure, inclement weather, contractor or supplier delays, and similar circumstances. However, the Director expects the Supplier to employ reasonable means to limit foreseeable causes of delay. The timeliness of the Supplier's request for an extension shall constitute an important factor in the Director's evaluation.
- 35. In partial or full satisfaction of the Enforcement Order Schedule, the Supplier may (a) obtain a variance or exception as allowed by the Act and the Public Drinking Water Rules or (b) propose to the Director an alternate method for compliance with the Act and the

Public Drinking Water Rules. No such alternate means of compliance with the Enforcement Order Schedule shall be accepted unless approved by the Director in writing.

36. The person signing this CA/EO on behalf of the Supplier hereby represents to the Director that he or she has the full legal authorization to do so and agrees that the Director may rely on this representation.

## **COMPLIANCE NOTICE**

Compliance with the provisions of this CA/EO is mandatory. All violations of the Utah Safe Drinking Water Act, the Drinking Water Rules, and this CA/EO shall be strictly enforced during the time that this CA/EO remains in effect.

## IT IS SO ORDERED AND AGREED.

DIVISION OF DRINKING WATER
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By: Nathan Lunstad (Dec 4, 2023 16:59 MST)
<sub>Name:</sub> Nathan Lunstad
Title: Interim Director
DATE: 12/04/2023
Dinit

GREEN HILLS COUNTRY ESTATES WATER AND SEWER IMPROVEMENT DISTRICT

- (	Jean	М.	Dr	111		
By: Jea	n M. Brill	(Dec 4,	2023	13:09	MST)	

Name: Jean M. Brill

Title: Treasurer & General Manager

DATE: 12/04/2023

## **Enforcement Order Schedule UTAH29053-2023**

System Name: Green Hills Country Estates System Number: UTAH29053 Administrative Contact: Jean Brill Email: genmgrghwsd@gmail.com Phone Number: 801-710-5842

## **Corrective Action Requirements and Due Dates**

## Date of Issuance: 12/04/2023

#### Well #2, WS002

Item #1	Code	Facility	Deficiency	Rule Citation
	02	WS002	MCL, Average	R309-205-7(3)(c)(i)
	Violatio	on Number	Period	Analyte
	2024-4035952		01/01/2023 - 03/31/2023	RAD1-Gross-Alpha
	Corrective Action			Completion Due Date
	Submit documentation showing the plan required paragraph 18 is submitted to the Director.			Within 60 days of the Date of Issuance of this Order.

Item #2	Code	Facility	Deficiency	Rule Citation
	02 WS002		MCL, Average	R309-205-7(3)(c)(i)
	Violation Number		Period	Analyte
	2024-4035951		04/01/2023 - 06/30/2023	RAD1-Gross-Alpha
	Corrective Action			Completion Due Date
	Submit documentation showing the plan required paragraph 18 is submitted to the Director.			Within 60 days of the Date of Issuance of this Order.

Item #3	Code	Facility	Deficiency	Rule Citation
	02 WS002		MCL, Average	R309-205-7(3)(c)(i)
	Violation Number		Period	Analyte
	2024-4035948		07/01/2023 - 09/30/2023	RAD1-Gross-Alpha
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Submit documentation showing the plan required paragraph 18 is submitted to the Director.	Within 60 days of the Date of Issuance of this Order.

Item #4	Code	Facility	Deficiency	Rule Citation
	42 WS002		Failure To Provide GWR Treatment	R309-205-8(2)
	Violation Number		Period	Analyte
	2024-4035953		10/01/2023-	Turbidity
	Corrective Action			Completion Due Date
	Submit documentation showing the plan required paragraph 18 is submitted to the Director.			Within 60 days of the Date of Issuance of this Order.

#### **Distribution System, DS001**

Item #5	Code	Facility	Deficiency	Rule Citation
	S033	DS001	Com System Without Naturally Flowing Sources Lacks Backup Power For At Least One Water Source	R309-515-6(2)
	Correct	tive Action		Completion Due Date
Submit documentation showing the water system has adequate backup power for at least one active water source.		By July 1, 2024		

## **IT IS SO ORDERED AND AGREED.**

## DIVISION OF DRINKING WATER

By: Nathan Lunstad (Dec 4, 2023 16:59 MST)

Name: Nathan Lunstad

Title: Interim Director DATE: 12/04/2023

DATE: \_\_\_\_\_

# GREEN HILLS COUNTRY ESTATES WATER AND SEWER IMPROVEMENT DISTRICT

By: Jean M. Brill (Dec 4, 2023 13:09 MST)

<sub>Name:</sub> Jean M. Brill <sub>Title:</sub> Treasurer & General Manager <sub>DATE:</sub> 12/04/2023

## Appendix B Site Plan



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Appendix C Site Grading Plan



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ALL REMOVED MATERIALS (UNSUIT MATERIAL, STRUCTURES, IPPE, ET OFFSITE AT THE CONTRACTOR'S E ON THESE PLANS OR BY THE OWN THERE SHALL BE NO EARTH DISTU REQUIRED TO COMPLETE THE PRO TOP SOIL SHALL BE NO EARTH DISTU REQUIRED TO COMPLETE THE PRO ALL ELEVATIONS SHOWN ARE TO F THE FOLLOWING ABBREVIATIONS / FINISHED GRADE ELEVATIONS I. FG = FINISHED GRADE 1. FG = FINISHED GRADE 1. FG = FINISHED GRADE 2. ME = MATCH EXISTING SITE EL 3. FL = FLOWLINE ELEVATION (OF FLOWLINE) CONTRACTOR SHALL TAKE EXTREME EXISTING WATER LINE AND WELL / INDIRECTLY SHALL BE THE RESPON TO ARGINAL OR BETTER CONDITIC TO ENGINEAL OR BETTER CONDITIC TO ORIGINAL OR BETTER CONDITIC TO POSITICATION ALL DISTURBED O POSTRUCTION POSTRUCTION O POSTRUCTION ALL DISTURBED O POSTRUCTION POSTRUCTION O POSTRUCTION POSTRUCTION POSTRUCTION POSTRUCTION POSTRUCTION POSTRUCTION POSTRUCTION POSTRUCTION POSTRUCTION POSTRUCTION PO	C.) SHALL BE XPENSE UNI ER. RBING ACTN WECT. ED TO MEET INISHED GR ARE USED O EVATION INOTE STAR WE CAUTION ON TEMPOR STOCKPILEI STOCKPILEI STOCKPILEI STOCKPILEI STOCKPILEI APPROVED I	EXCESS E PROPE PROPO RADE. T, END, WHEN II E CAUSE F THE CC TSIDE O SY THE R	MATERIA RILY DISP SIGNATEI UTSIDE W SED GRAD SHEET TO & GRADE EXCAVATI ED DIRECTONTRACTO ONTRACTO ONTRACTO ONTRACTO ONTRACTO	L, ROCH VISED O D THEI VHAT IS DE. DESIGN CHANGI ING NEAS OR TO R VY BE RE START O IG AND IENT OF REFER	K INFE RWISE IATE E ON IR THE ECTIFY EQUIRED IF TO			CONSTRUCTION DRAWING FOR:		MAPI F WFI I TREATMENT FACII ITY PROJECT		GRADING PLAN	

ISSUE FOR CONSTRUCTION

## Appendix D Treatment Facility Rendering



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4 No. 13091314 JAFAB T. ALLANHAM										
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REVISIONS	NO.									
<					<b>ARUUKKA</b>	COLLABORATE. INNOVATE. CREATE.	2175 W. 3000 S., SUITE 200	HEBER CII Y, UIAH 84032	435-315-3168   WWW.ARDURRA.COM	
		CONSTRUCTION DRAWINGS FOR:		_			RENDER VIEW			
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