

ADDENDUM NO. 1
TO BID AND CONTRACT DOCUMENTS
FOR
NORTH LOGAN CITY
**GREEN CANYON WATER TREATMENT PLANT
DISINFECTION CONTACT BASIN PROJECT**



Consultant Project No.: 70081-002

October 30, 2024

PREPARED BY

Hazen and Sawyer
10619 South Jordan Gateway, Suite 130
South Jordan, Utah 84095

This addendum provides additional information and clarifications to the Green Canyon Water Treatment Plant Disinfection Contact Basin Project. This addendum aims to ensure that all contractors have a clear and consistent understanding of the Project's requirements and expectations. This addendum is divided into three parts: responses to questions submitted by Contractors and discussed in the Pre-Bid Conference; changes to the specifications that affect the Contractor's scope of work; and lastly, changes to the drawings.

Bid shall contain an acknowledgment of the receipt of all Addenda, the numbers of which shall be filled in at the space provided in Section 00 40 00 Bid Form.

CLARIFICATIONS/RESPONSES TO QUESTIONS

1. Question: Is the new well house, located up the road from GCWTP, done?
 - a. *Answer: The new well pump house is almost complete and is expected to be finished before work on the disinfection contact basin begins. It will connect to the system downstream of the planned improvements and help maintain the water supply during shutdowns. Traffic concerns will mainly involve public access to Green Canyon and maintaining necessary access for plant operations. No additional construction activities are expected to be happening concurrently with this project in the vicinity.*
2. Question: Is a SWPPP needed for this project?
 - a. *Answer: Yes, a Stormwater Pollution Prevention Plan (SWPPP) is required for any construction project that disturbs more than an acre of land. The Contractor will take responsibility for obtaining and paying for the permit, and as necessary the Owner can assist the Contractor in obtaining the permit. See Specification 00 72 00 General Conditions 7.09 Permits (pg. 33)*
3. Question: The specifications mention a Bidder Qualification Statement and Bid Form, is there a specific format that needs to be followed?
 - a. *Answer: The required information for the Bid Form can be found in specification 00 40 00 Bid Form. Contractors shall provide a qualification statement stating the general contractor and their subcontractors meet the minimum experience requirements listed in the specifications.*
4. Question: What is the engineer's estimate for this project?
 - a. *Answer: \$3.9 million.*
5. Question: The specifications mention vibration monitoring, can you elaborate?
 - a. *Answer: Due to the proximity of the proposed excavation, it is necessary to monitor and mitigate distress from construction activities on nearby structures, utilities, and the proposed improvements. Specification 31 00 01 Earthwork 3.10 outlines the required testing. Additionally, before construction activities commence, the Contractor is required to submit a monitoring plan for approval. Ninyo & Moore, the geotechnical involved in the study, can be retained to provide such services, upon request.*

6. Question: Is there a last day for questions set?
 - a. Answer: Yes, the last day for questions concerning the intent of the Bidding Documents is October 29, 2024. Please email all questions to posborn@hazenandsawyer.com. Responses will be issued to all parties recorded as having received bidding documents as necessary.
7. Question: With the electrical upgrades outlined in the project, are there going to be any issues with meeting code?
 - a. Answer: Conversations with the authority having jurisdiction are in process. Assume that for now, we are not addressing code compliance with the electrical panel replacement.
8. Question: Bid Schedule Item 15 is described as all other elements of the work not included in other items as per the contract documents. Could you provide a clearer explanation of what this might include?
 - a. Answer: This item includes any elements that are not explicitly detailed in the bid schedule but are essential for the successful completion of the project. Examples may include any permitting and testing requirements mentioned in the specifications.
9. Question: Will the swap out of the existing panel occur during one of the shutdown windows?
 - a. Answer: If possible, the swap should occur during one of the shutdown windows. However, depending on the schedule and demand, operations might be able to turn off telemetry at other sites with adequate notice. A backup generator may be necessary to maintain telemetry to the other sites. North Logan City will provide the backup power as needed. This Addendum No. 1 modifies the Proposal Documents for North Logan City's Green Canyon Water Treatment Plant Disinfection Contact Basin Project and shall become part of the Contract Documents for this Project.
10. Question: During the site visit it was evident that rock excavation may be needed, although it is not indicated on the geotechnical report. If rock excavation is encountered, how will it be handled
 - a. Answer: Rock excavation is not anticipated to be required. The existing tanks are approximately the same depth below grade and did not require rock excavation. If rock is encountered, a change order will be negotiated with the selected contractor based on the total rock excavation required.
11. Question: Will this be a Davis-Bacon, AIS, or BABA Project
 - a. Answer: No Davis-Bacon, AIS, or BABA are not required as part of this project.
12. Article 10.02, Bid Security, states that the bid bond shall be on the form titled "Guaranty and Contract Bond", but I cannot find that document in the specifications. Please provide.

- a. *Answer: Delete Article 10.02 in its entirety and replace with “Bid bond shall be on the bonding company’s standard form. Bid bond shall be issued by a surety complying with the requirements of Paragraphs 5.01 and 5.02 of the General Conditions.”*
13. In specification section 03 35 00, Concrete Finishes, the products section calls for liquid densifier/sealant, concrete hardener, and a non-slip flooring additive, but nothing is called out in the bidding documents. Will these items be a part of the project?
- a. *Answer: Specification 03 35 00 sections 2.02-2.04 are not applicable to the project and can be excluded.*
14. In specification section 07 13 50, there aren’t any products/manufacturers listed for the waterproofing membrane or the composite drainage panel. There isn’t anything shown or called out on the plans for this work either. Please clarify if this needs to be included in the project
- a. *Answer: Specification section 07 13 50 shall be removed entirely and is not applicable to the project.*
15. There is a specification section for erosion and sedimentation control with notes referencing an Erosion Control Plan in the drawings, but the plan page does not appear in the bidding documents that I was sent. Will a permit be required for the SWPPP and if so, what bid item should this be placed under?
- a. *Answer: See response to Question 2. SWPPP plan is to be provided by Contractor.*
16. There is verbiage stating that the shoring system needs to be designed to minimize vibration. Is there a basis of design for a desired shoring system to achieve this?
- a. *Answer: Specific shoring systems are not specified and is subject to contractors means and methods. The intent of the notes about vibration are to protect the existing structures from excess vibration and potential settling due to the proximity of the excavation.*
17. What material is the 6” FW pipe where it is called out to add the inserta valve, so the tank does not have to be drained?
- a. *Answer: It is believed that pipe is ductile iron, but one of the initial potholes should locate and identify that pipe to confirm material.*
18. On Sheet C002, Civil Yard Piping Plan, notes 2 & 3 call out to install TR Flex retainer rings & FLG x TR Flex connection pieces. However, there is no mention of the DI pipe feeding into the disinfection contact basin and the specifications don’t call out what type of DID pipe that should be. Please clarify.
- a. *Answer: The FW pipe feeding into the DCB is noted FW on Sheet C002. Please refer to specification 40 06 20 for pipe materials requirements.*
19. Bid item 16 calls for asphalt restoration/repair but there is nothing shown on called out on the plans. Could you please provide some detail of the area that bid item is referring to?

- a. *Answer: Asphalt repair/restoration will be required wherever it is damaged during construction. For bidding purposes assume 126 ft² of 4" asphalt repair. See revised Note 4 on Drawing C003, attached.*
20. Everything inside the building currently is ran in EMT. The specifications are calling for RMC to be installed in this area, which will increase the material cost as well as labor for installation. Is it acceptable to use EMT?
- a. *Answer: EMT interior to building is acceptable.*
21. The oneline is showing replacing the "P" panel with a 400 A rated enclosure. There would be a cost savings going to a 250A rated panel, with the same 200A main. The current backup capability on the Generator and ATS is only 175A.
- a. *Answer: 250A rated panel is acceptable.*
22. Drawing E003 shows a ductbank transition into the existing building, but no detail for transition from ductbank to building is specified. Please provide additional insight on transition from ductbank to building.
- a. *Answer: Transition ductbank to above grade conduit. Surface mount conduit on side of building. Install pullbox at top of wall and core drill and seal conduit penetrations through wall.*
23. Drawing E100 shows LW1 P2/34. Circuit 32 is shown on the schedule. Please confirm is correct.
- a. *Answer: Install from Circuit 32 to match schedule.*
24. Drawing E100 shows FIT-2101 and AIT-1080. A 120V circuit is referenced on schedule but not shown. Receptacle needed or hard wired connection?
- a. *Answer: Hard-wired connection with 120V rated, 20A, 1P disconnect switch for power isolation.*
25. Drawing E100 shows a photocell on the northeast corner of the building. What is the purpose of the photocell? LW1 fixtures have integral photo eye.
- a. *Answer: Photocell is not required.*
26. Drawing E100 shows a switch by the main entrance, what is the purpose of the switch? Circuit 34 shown, FID-2101 on schedule? Please confirm circuit number and purpose.
- a. *Answer: Circuit should be P2/32. Switch is to manually control the lights on west side of building, which should also be circuit P2/32.*
27. Drawing E100 shows an area designation 4 for "Indoor Wet Non-Process Area." This area is not mentioned in the spec for raceway/NEMA requirements. It is assumed it would follow the same NEMA rating as the process areas (4X), please confirm NEMA and raceway requirements.
- a. *Answer: This area shall follow NEMA 4X enclosure requirements.*

28. It is assumed that the PLC is located in the Control Room. Please provide direction on location.

a. *Answer: The PLC is existing and located in the southwest corner of the Control Room.*

29. No grounding or bonding requirements shown for contact basin. Please confirm grounding/bonding not required in concrete.

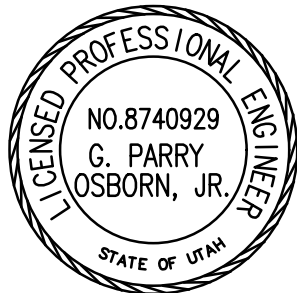
a. *Answer: Confirmed. No grounding or bonding is required in the concrete of the new DCB.*

I. CONTRACT DOCUMENTS: CONTRACT/TECHNICAL SPECIFICATIONS

- A. Delete Article 10.02 in its entirety and replace it with “*Bid bond shall be on the bonding company’s standard form. Bid bond shall be issued by a surety complying with the requirements of Paragraphs 5.01 and 5.02 of the General Conditions.*”
- B. Section 00 52 00 Agreement – 4.01 B.2: Change “428 days” to “240 days”
- C. Remove Section 07 13 50 in its entirety.

II. CONTRACT DOCUMENTS: DRAWINGS

- A. Drawing C002 Civil Yard Piping Plan: Modify Note 4 as shown on attached drawing.
- B. Drawing C003 Civil Site Grading Plan: Delete Note 4. Reseeding will not be required. Replace with new Note 4 calling out asphalt repair.
- C. Drawing E003 Electrical Site Plan: Delete conduit C-0003, HH2, and HH3. No need to reroute this conduit or CAT 5 Cable. Existing conduit and cable can be cut and abandoned in place.



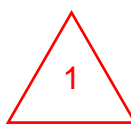
Hazen and Sawyer

Parry Osborn, P.E.
NO. 8740929



NOTES:

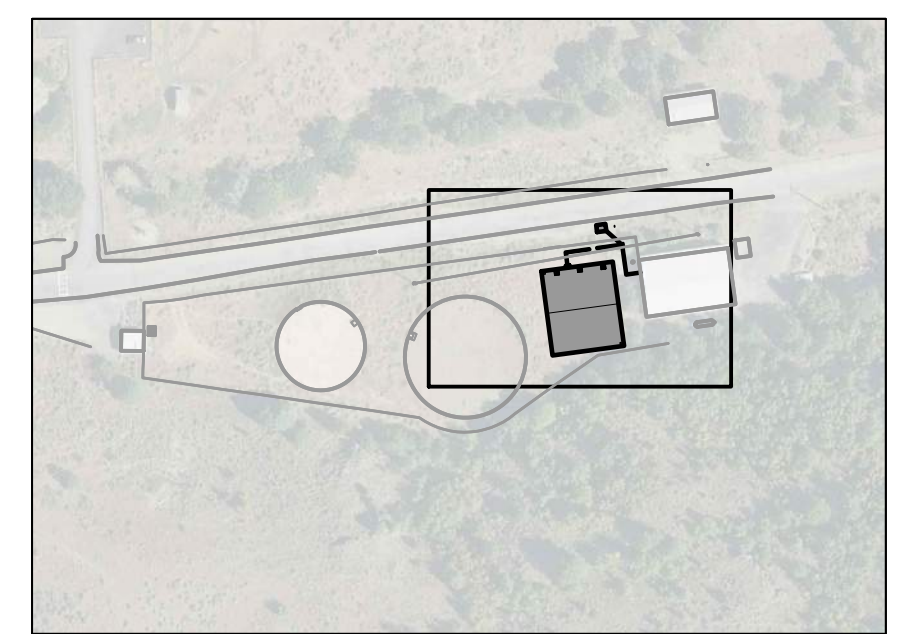
- EXISTING UTILITY AND FACILITY INFORMATION HAS BEEN PLOTTED FROM AVAILABLE RECORDS AND SURVEY INFORMATION. IT IS THE CONTRACTOR'S RESPONSIBILITY TO VERIFY THE EXACT LOCATION OF ALL UTILITIES AND FACILITIES ON SITE. TAKE PRECAUTIONARY MEASURES AS NEEDED TO PROTECT ALL EXISTING FACILITIES AND UTILITIES SHOWN AND NOT SHOWN FROM DAMAGE. REQUEST UNDERGROUND UTILITY LOCATION MARK-OUT FOR ALL SUBSURFACE UTILITIES AT LEAST THREE (3) WORKING DAYS BUT NO MORE THAN TWELVE (12) WORKING DAYS PRIOR TO EXCAVATION.
- CUT EXISTING 12" CLASS 51 DI PIPE TO INSTALL A FLANGED 12" X 12" X 12" TEE. INSTALL TEE BETWEEN TWO US PIPE TR FLEX BY FLANGE CONNECTION PIECES. FIELD INSTALL TR FLEX RETAINER RINGS ON EXISTING PIPE AS REQUIRED. PROVIDE A THRUST BLOCK PER DETAIL C-01-0110. PROVIDE SUBMITTAL WITH DETAILED DESIGN OF THE THRUST BLOCK PRIOR TO INSTALLATION.
- FIELD CUT EXISTING 12" CLASS 51 DI PIPE. INSTALL TR FLEX RETAINER RING ON EXISTING PIPE PLAIN END AND THE INTO NEW NEW FINISHED WATER PIPING.
- REMOVE AND RELOCATE EXISTING CAT5 COPPER CABLE FROM EXISTING CONDUIT. INTERCEPT EXISTING CONDUIT AND INSTALL NEW PULL BOX. ROUTE NEW CONDUIT AROUND NEW DISINFECTION CONTACT BASIN. SEE SHEET E003.
- INSTALL 2 RESTRAINED FLEXIBLE STEEL COUPLINGS STARTING 3 FT FROM THE OUTER FACE OF THE DISINFECTION CONTACT BASIN WITH SEPERATION OF 7 LINEAR FEET. INSTALL PIPES STRAIGHT WITHOUT VERTICAL OR HORIZONTAL OFFSET. DO NOT USE JOINT ANGULAR DEFLECTION TO MAKE UP FOR MISALIGNED PIPE.
- LOCATE AND TEMPORARILY REMOVE 6" FINISHED WATER PIPING AS NECESSARY FOR EXCAVATION. AFTER CONSTRUCTING THE DISINFECTION CONTACT BASIN, REINSTALL 6" FW PIPING. COORDINATE SHUTDOWN OF WELL NO. 1 WITH THE OWNER WITH A MINIMUM OF 30 DAYS NOTICE PRIOR TO COMMENCING EXCAVATION.
- POTHOLE FOUR LOCATIONS ALONG EXISTING EXISTING 12" FW PIPE. PROVIDE ENGINEER WITH TOP OF PIPE ELEVATIONS AND CONFIRM PIPE MATERIAL AND SIZE. PROTECT PIPE IN PLACE FOR DURATION OF CONSTRUCTION.
- CONTRACTOR TO POTHOLE EXISTING FW LINE AT APPROXIMATE LOCATIONS OF CONNECTION POINTS TO VERIFY PIPE ELEVATIONS (MINIMUM OF TWO LOCATIONS). PROVIDE ENGINEER WITH TOP OF PIPE ELEVATIONS AND LOCATIONS OF POTHOLES PRIOR TO MAKING CONNECTIONS.
- PROVIDE INSERTA VALVE NEAR TANK TO ALLOW SHUTOFF OF LINE WITHOUT HAVING TO DRAIN THE TANK. AFTER VALVE IS INSTALLED, CONTRACTOR TO CUT AND REMOVE LINE BETWEEN NEW AND EXISTING VALVES. PROVIDE RESTRAINED PIPE CAPS ON OPEN ENDS OF PIPE.



XXX COORDINATES

COORDINATE TABLE				
POINT NO.	INVERT ELEVATION	NORTHING	EASTING	DESCRIPTION
101	5021.86	803522.42	564496.48	12" DI 11.25 DEG BEND
102	5021.36	803521.95	564492.84	12" DI 11.25 DEG BEND
103	5021.17	803496.92	564437.83	12" DI 22.5 DEG BEND
104	5018.91	803503.70	564436.92	12" DI 22.5 DEG BEND
105	5018.91	803512.98	564435.68	12"X12"X12" DI TEE
106	5023.00	803475.73	564432.58	1" CPVC 90 DEG BEND
107	5023.50	803487.50	564431.01	1" CPVC 90 DEG BEND
108	5028.00	803499.07	564517.66	1" CPVC 90 DEG BEND
109	5018.91	803507.76	564436.38	12" DI BFV

KEY MAP:



PLAN
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PROJECT ENGINEER:	P. OSBORN
DESIGNED BY:	P. OSBORN
DRAWN BY:	N. HALL
CHECKED BY:	T. BIRD
IF THIS BAR DOES NOT MEASURE 1" THEN DRAWING IS NOT TO FULL SCALE	

100% SUBMITTAL DRAWING
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SOUTH JORDAN, UTAH 84095

NORTH LOGAN
EST 1894

GREEN CANYON
WATER TREATMENT PLANT
DISINFECTION CONTACT BASIN DESIGN

CIVIL
YARD PIPING PLAN

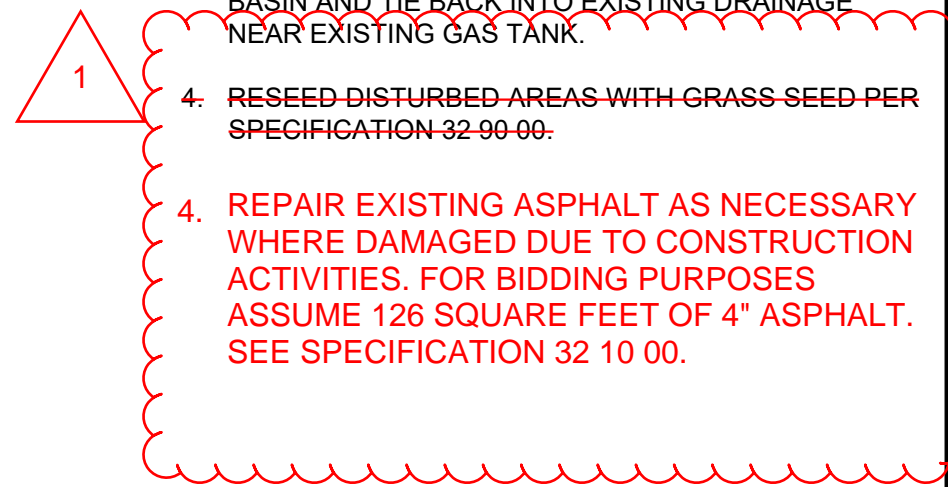
DATE:	SEPTEMBER 2024
HAZEN NO.:	70081-002
CONTRACT NO.:	
DRAWING NUMBER:	C002

1	Addendum #1	10/30/24	PO
REV	ISSUED FOR	DATE	BY



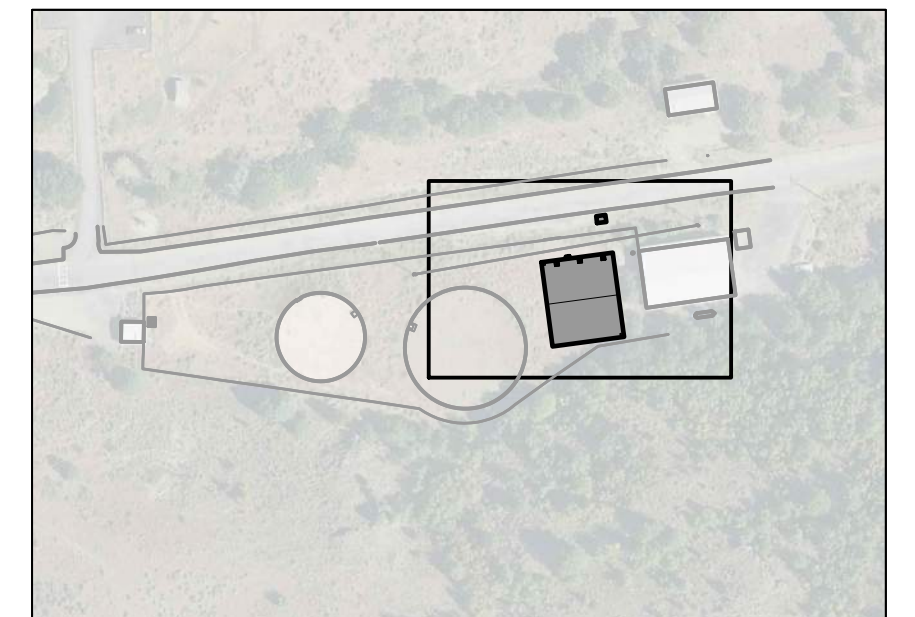
NOTES:

1. EXISTING UTILITY AND FACILITY INFORMATION HAS BEEN PLOTTED FROM AVAILABLE RECORDS AND SURVEY INFORMATION. IT IS THE CONTRACTOR'S RESPONSIBILITY TO VERIFY THE EXACT LOCATION OF ALL UTILITIES AND FACILITIES ON SITE. TAKE PRECAUTIONARY MEASURES AS NEEDED TO PROTECT ALL EXISTING FACILITIES AND UTILITIES SHOWN AND NOT SHOWN FROM DAMAGE. REQUEST UNDERGROUND UTILITY LOCATION MARK-OUT FOR ALL SUBSURFACE UTILITIES AT LEAST THREE (3) WORKING DAYS BUT NO MORE THAN TWELVE (12) WORKING DAYS PRIOR TO EXCAVATION.
2. REMOVE AND REPLACE EXISTING FENCE AS REQUIRED FOR EXCAVATION AND SITE ACCESS. PROVIDE TEMPORARY FENCING AND MAINTAIN SITE SECURITY FOR THE DURATION OF CONSTRUCTION ACTIVITIES.
3. FIELD LOCATE AND REROUTE EXISTING STORM DRAINAGE AROUND NEW DISINFECTION CONTACT BASIN AND TIE BACK INTO EXISTING DRAINAGE NEAR EXISTING GAS TANK.
4. RESEED DISTURBED AREAS WITH GRASS SEED PER SPECIFICATION 32-90-00.
4. REPAIR EXISTING ASPHALT AS NECESSARY WHERE DAMAGED DUE TO CONSTRUCTION ACTIVITIES. FOR BIDDING PURPOSES ASSUME 126 SQUARE FEET OF 4" ASPHALT. SEE SPECIFICATION 32 10 00.



XXX COORDINATES

KEY MAP:



COORDINATE TABLE				
POINT NO.	ELEVATION	NORTHING	EASTING	DESCRIPTION
201	5032.50	803416.40	564442.52	TOC DCB SW CORNER
202	5032.50	803496.96	564494.32	TOC DCB NE CORNER
203	5028.00	803517.46	564481.49	TOC METER VAULT SW CORNER
204	5028.00	803524.44	564488.66	TOC METER VAULT NE CORNER

PLAN
SCALE: 1:10

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1	Addendum #1	10/30/24	PO

PROJECT ENGINEER:	P. OSBORN
DESIGNED BY:	P. OSBORN
DRAWN BY:	N. HALL
CHECKED BY:	T. BIRD

100% SUBMITTAL DRAWING
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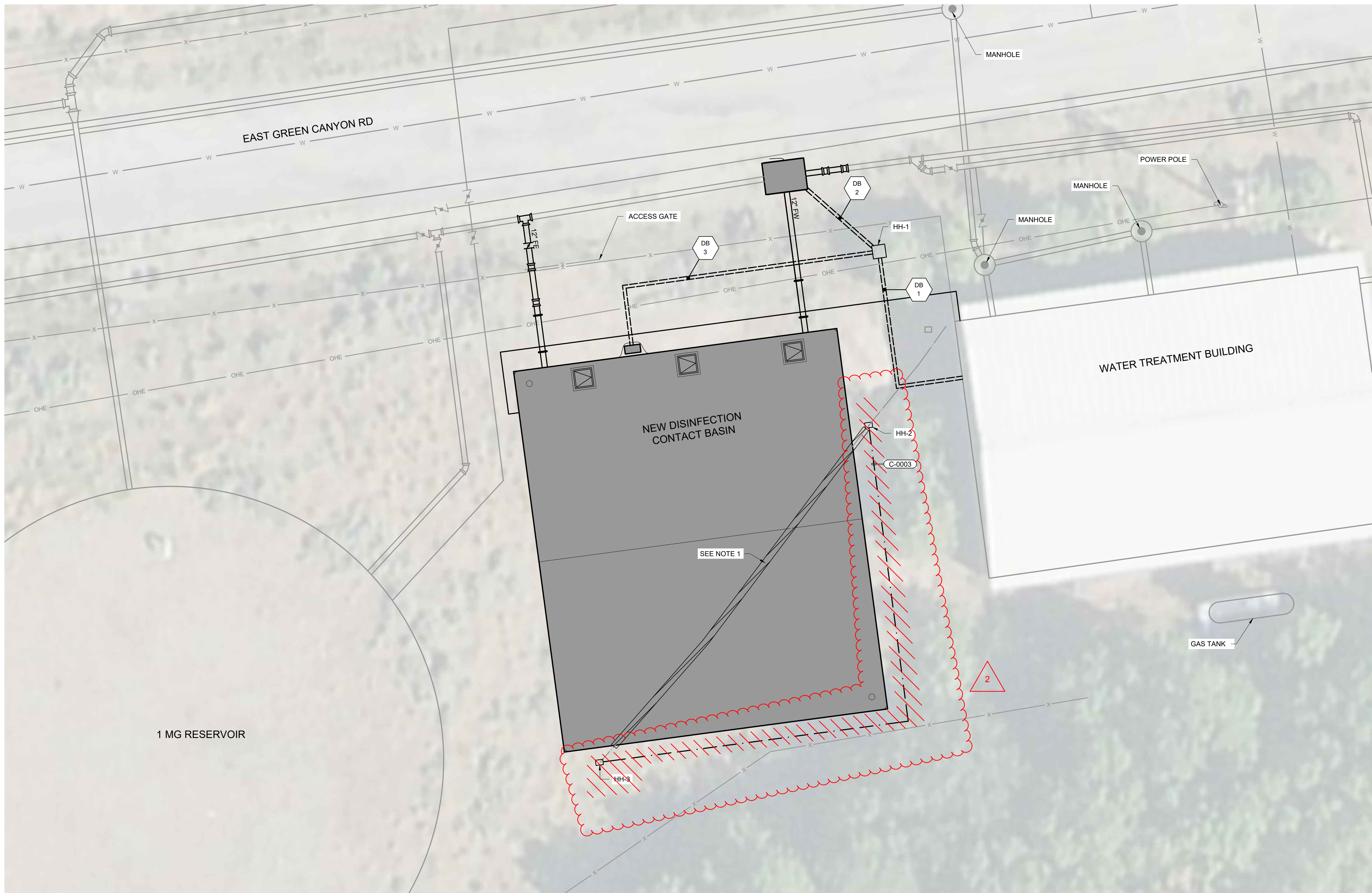


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GREEN CANYON
WATER TREATMENT PLANT
DISINFECTION CONTACT BASIN DESIGN

CIVIL
SITE GRADING PLAN

DATE:	SEPTEMBER 2024
HAZEN NO.:	70081-002
CONTRACT NO.:	
DRAWING NUMBER:	C003



- NOTES:**
- CUT AND ABANDON IN PLACE EXISTING CAT5 COPPER CABLE. CAP END OF EXISTING CONDUIT OUTSIDE EXCAVATION LIMITS.
 - INSTALL NEW JUNCTION BOX IN HH-2 AND HH-3. ROUTE EXISTING COPPER ETHERNET CABLE INTO JUNCTION BOX AND SEAL JUNCTION BOX ENTRY WITH CABLE GLAND. INTERIOR TO EACH JUNCTION BOX. INSTALL NEW ETHERNET TERMINAL CONNECTOR. INSTALL EXISTING COPPER CABLE INTO ETHERNET TERMINAL CONNECTOR. ROUTE NEW COPPER CATEGORY 6A ETHERNET CABLE BETWEEN HH-2 AND HH-3 IN C-0003 AND CONNECT INTO CABLE TERMINATOR IN EACH HANDHOLE.

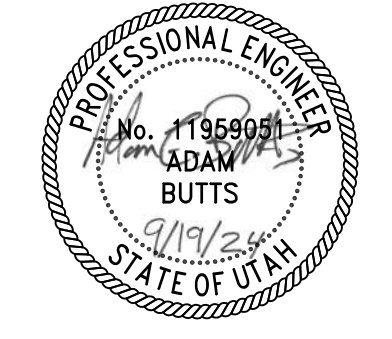
SITE PLAN
SCALE: 1" = 10'-0"

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2	Addendum #1	10/30/24	PO
1	CONSTRUCTION	9/16	PO

PROJECT ENGINEER:	P. OSBORN
DESIGNED BY:	E. TOLEDO
DRAWN BY:	E. TOLEDO
CHECKED BY:	A. BUTTS

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WATER TREATMENT PLANT
DISINFECTION CONTACT BASIN DESIGN

**ELECTRICAL
SITE PLAN**

DATE:	SEPTEMBER 2024
HAZEN NO.:	70081-002
CONTRACT NO.:	
DRAWING NUMBER:	E003