



Worcester County Administration Office
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Addendum # 1 Riddle Farm WWTP Equipment Upgrades

Date of Addendum: 5/3/24

NOTICE TO ALL BIDDERS AND PLANHOLDERS

The Bid Documents for the above-referenced Project are modified as set forth in this Addendum. The original Bid Documents and any previously issued addenda remain in full force and effect, except as modified by this Addendum, which is hereby made part of the Bid Documents. Vendors will take this Addendum into consideration when preparing and submitting a bid and shall acknowledge receipt of this Addendum in the space provided in the Bid Documents.

BID SUBMITTAL DEADLINE

The bid submittal deadline has been revised to Monday, May 20, 2024, at 2:30 p.m. The last day for questions will Monday, May 13, 2024, at 2:00 p.m.

1.0 – ATTACHMENTS

Item	Description
1.1	GMB prepared pre-bid meeting minutes for meeting held on April 30, 2024.
1.2	Replace Electrical Drawings E-1 thru E-9 in Bid Documents with attached set that is stamped “Bid Set” in upper right-hand corner.

2.0 – CLARIFICATIONS

The following clarifications are provided as a matter of information to clarify issues raised about the Bid Documents.

Item	Description
2.1	Note #5 on Sheet Q2.8, ADD: “Existing wall consists of metal wall panels at interior and exterior of building. To repair wall following the removal of temporary piping, Contractor shall scab a section of wall panel covering openings at interior and exterior of building. Installation shall adhere to those standard details of metal wall panel manufacturer.”
2.2	Project Manual Paragraph 01100, 1.04, DELETE paragraphs in entirety. Wage rates are not applicable.

3.0 – QUESTIONS AND ANSWERS

The following questions and answers are provided as a matter of information to clarify issues raised about the Bid Documents.

Item	Questions and Answers
3.1	Q. We request a bid date extension for this project of at least one (1) week and prefer that it not Bid on a Monday. A. A one (1) week bid date extension will be issued.
3.2	Q. Sheet Q-1.1: The note in the middle of the page states, “Ex. Trolley beam to be load tested per Note 2 on Sheet Q2.3.” Be advised there is no Note 2, located on Sheet Q2.3. Please provide information on the required load testing of the existing beam. A. Load testing of the existing beam is not required, Note #2 shall be deleted.

3.3	<p>Q. Sheet Q-2.8: Note 5 states, "...and repair when temporary operations are complete." Please provide a specific repair procedure and level of acceptance for each pipe penetration location.</p> <p><i>A. The existing wall above the concrete tanks consists of metal wall panels at interior and exterior of building. To repair wall following the removal of temporary piping, Contractor shall scab a section of wall panel covering openings at interior and exterior of building. Installation shall adhere to those standard details of metal wall panel manufacturer.</i></p>
3.4	<p>Q. What System Integrator is Worcester County DPW presently using at the Riddle Farm WWTP?</p> <p><i>A. System Integration for the County is currently performed in-house and coordinated through a county employee. The successful vendor will be supplied contact information for county employee managing integration.</i></p>
3.5	<p>Q. Can you share the existing As-Built Drawings for the Facility?</p> <p><i>A. Existing facilities were provided under a developer design/build process and "as-built" drawings are separate for different trades. This information can be made available to the successful Vendor.</i></p>
3.6	<p>Q. Can you provide the name of the manufacturer for the existing metal siding?</p> <p><i>A. This information is not readily available; however, the County will endeavor to provide the information to the Vendor who is awarded the project.</i></p>

END OF ADDENDUM



GEORGE, MILES & BUHR, LLC



ARCHITECTS
ENGINEERS

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PRE-BID MEETING AGENDA
(MINUTES ANNOTATED IN BOLD/ITALICS)

RIDDLE FARM WWTP
EQUIPMENT UPGRADES
WORCESTER COUNTY, MARYLAND

GMB FILE No. 220047

APRIL 30, 2024
TIME: 10:00 a.m.

LOCATION: 11401 Grays Corner, Berlin, MD 21811

A pre-bid conference was held at the time and date indicated above at the Riddle Farm WWTP for the above referenced project.

I. Introductions/ Project Representatives

- A. Owner: Worcester County
Representatives: Nicholas Rice, Purchasing Director
Dallas Baker, Public Works Director
- B. Engineer: George, Miles & Buhr, LLC
Representatives: Chris Derbyshire, P.E.
Peter Bozick, P.E.
- C. Other attendees are shown on the attached sign-in sheet.

II. Project Description

- A. The Riddle Farm WWTP has been operational for 20 years using a Membrane Bioreactor Process (MBR) and the purpose of this project is the replacement of failing membrane units and aging mechanical equipment as well as minor process modifications. The WWTP operates with two (2) parallel treatment trains, and one (1) train must always remain operational. Partial funding for the project comes from a grant through the Department of Commerce.
- B. The hollow-fiber membrane filter units are the ZENON ZW500D cassettes manufactured by Veolia and purchased directly by Worcester County because of the long-lead time. Expected delivery of the membrane cassettes is July 2024. The purchase order is included in the Project Manual.
- C. Temporary mobile hollow fiber treatment filters are to be provided on a monthly rental basis for a duration compatible with the construction schedule. Details of equipment are provided in the proposal contained in the Project Manual.

JAMES H. WILLEY, JR., P.E.
CHARLES M. O'DONNELL, III, P.E.
A. REGGIE MARINER, JR., P.E.
JAMES C. HOAGESON, P.E.
STEPHEN L. MARSH, P.E.
DAVID A. VANDERBEEK, P.E.
ROLAND E. HOLLAND, P.E.
JASON M. LYTLE, P.E.
CHRIS B. DERBYSHIRE, P.E.
MORGAN H. HELFRICH, AIA
KATHERINE J. MCALLISTER, P.E.
W. MARK GARDOCKY, P.E.
ANDREW J. LYONS, JR., P.E.

PETER A. BOZICK, JR., P.E.
JUDY A. SCHWARTZ, P.E.
W. BRICE FOXWELL, P.E.

JOHN E. BURNSWORTH, P.E.
VINCENT A. LUCIANI, P.E.
AUTUMN J. BURNS
CHRISTOPHER J. PFEIFER, P.E.
BENJAMIN K. HEARN, P.E.

- D. The project includes a Bid Add Alternate for work at the Water Treatment Plant to settle out the iron from the waste backwash. Work includes a settling tank and a waste backwash pump station. The foundation for the settling tank will be designed and sealed by the tank supplier. Geotechnical soil data is included in the information for bidders in the Project Manual.

III. Work Includes:

A. General Utility Information

- i. All work is to be completed at the existing site of the Wastewater and Water Treatment Plants.
- ii. It is the responsibility of the contractor to locate all underground utilities in advance of construction. The cost of all test pitting shall be included within the prices bid and will not be paid for separately. The Contractor is also responsible and shall accept all risk associated with any utilities that may run in or along his trenches.
- iii. Coordinate with the Owner for an onsite construction staging area located onsite.
- iv. Contractor is responsible to coordinate all work with Owner and schedule any necessary existing equipment shutdowns accordingly. Night work may be required and shall be included in bid price.

B. Work Consists of Furnishing and Installing Equipment for:

- i. Replacing MBR membranes and related controls.
- ii. New internal recycling pumps.
- iii. New blower for the membrane cleaning tank.
- iv. Replace existing hoist and crane assembly, plus installation of a new mono-rail beam and hoist assembly.
- v. New backwash water pump station and reclaimed water settling tank for the adjacent Riddle Farm Water Treatment Plant [ADD ALTERNATE].
- vi. Add variable speed drives for the existing Process Blowers.
- vii. Replace existing aeration diffusers.
- viii. Provide temporary mobile hollow fiber treatment system. Work includes associated piping, valves, flow meters and appurtenances.

- C. Electrical upgrades include but are not limited to a changes tom the existing MCC Operations, VFDs, upgrading the MBR operational controls software and SCADA modifications with new signals from Filter Building

IV. Bidding Information

A. Bids Due / Bid Opening:

- i. Bids are due Monday, May 13, 2024, at 2:30 p.m. at the Office of the County Commissioners, Worcester County Government Center - Room 1103, One West Market Street, Snow Hill, Maryland 21863.

Bids will be opened and publicly read aloud at 2:30 p.m. **Rice noted that there is security for this building and Bid Couriers should allow time for this to ensure a timely Bid delivery.**

- B. No bids may be withdrawn within 100 days of the Bid Due Date.
 - C. 5% Bid bond or certified check is required with submission of Bid.
 - D. The low bidder selected will be determined based on the Total Base Bid (Schedule A+B+C+D) with the caveat that Schedule D may be deleted at the discretion of the Owner.
- V. Contract Provisions
- A. Contract Duration: 360 consecutive calendar days for Substantial Completion and additional 60 days for Final Completion.
 - B. Liquidated Damages
 - i. Liquidated damages prior to Substantial Completion: \$2,000.00/day.
 - ii. Liquidated Damages prior to Final Completion: \$1,000.00/day.
 - C. The Contractor will be responsible for inspection overtime for hours worked beyond any normal working day.
 - D. Performance Bond & Payment Bond: 100%
 - E. The following permits have been obtained for this project:
 - i. MDE Construction Permit
 - F. Contractor shall be responsible for obtaining all other permits and licenses as necessary.
- VI. Questions/Comments
- A. All questions pertaining to this bid shall be directed to Worcester County (Nicholas Rice) writing by email to nrice@co.worcester.md.us no later than 2:00 p.m., on May 6, 2024. **Rice clarified the all Addendums will be issue at least 5-days prior to the Bid Opening.**
 - B. Questions from attendees at pre-bid meeting will be provided in Addendum that will be issued which includes meeting minutes. Written answers will be provided under Addendum #1.
 - C. Questions was asked regarding applicability of Davis Bacon Act Wage Rates, M/WBE goals, American Iron & Steel or Buy American. Meeting drawings attendee indicated that Project Manual has reference to wage rate determination being issued prior to Bid due date. **Baker clarified that none of these apply to this project. Baker clarified that there is a form to be completed for funding agency (Dept of Commerce) which tracks**

M/WBE participation, but this does not impact General Contractors hiring of subcontractors or suppliers/vendors. GMB/County will review Project Manual and provide any necessary corrections via Addendum.

- D.*** Meeting attendee inquired about relief on liquidated damages (LDs) if delay was a result of electrical components which are essentially impossible to obtain set procurement lead times for. ***County requested formal written question to be submitted on this; question to clarify if Bidders believe contract duration is inadequate as proposed or if the electrical item procurement delay might be a matter that didn't materialize until after submittals had been processed and material orders placed. GMB clarified that the LD costs are real world and representative to cost County incurs related to pump and haul operations and to maintain mobile treatment unit. County noted that long lead procurement items would need to be identified by Contractor at project onset and those submittals expedited early on.***
- E.*** Question was asked regarding "optional" helical piles for backwash holding tank and whether they were in fact to be provided. ***Bozick responded that the tank foundation is to be designed and provided by tank supplier. Helical piles appear to be one (1) feasible option; however, they are not the only permissible foundation for the tank.***
- F.*** Question was raised regarding the timing of a Notice to Proceed. ***Bozick responded that County's intention is to issue Notice of Award within 100-calendar days of Bid Opening. Meeting attendee added that NTP issuance would need to be coordinated with procurement schedules as minimal work could occur on site until equipment is received.***

VII. WWTP & WTP Site Visits / WWTP Tour

- A.*** ***Bozick guided a tour of the WWTP facility and pointed out areas where proposed improvements are to be made. Bozick led attendees to WTP site where he showed proposed location of backwash recovery tank and backwash pump station.***

VIII. Adjournment.

*** END OF MEETING MINUTES ***

CBD/slh

Enclosure: Sign-in Sheet



Worcester County Commissioners Office

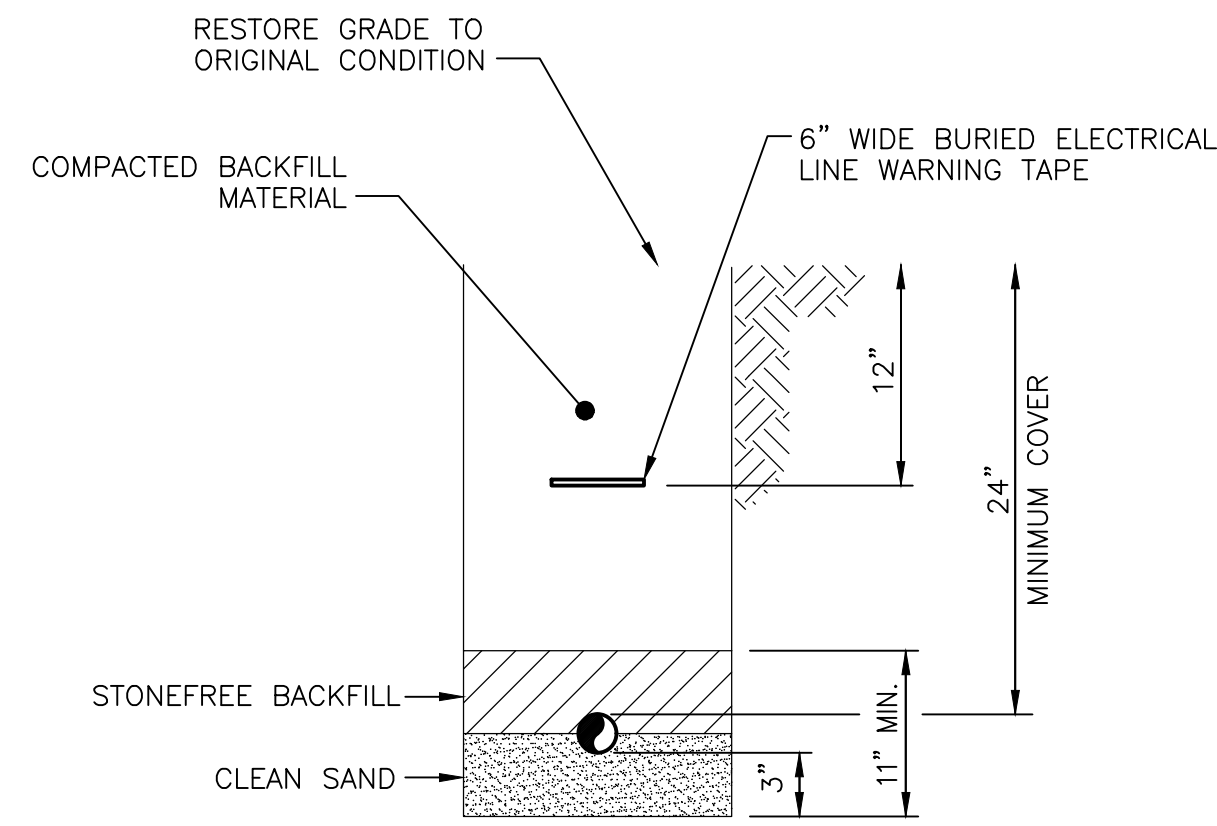
Pre-Bid Sign In Sheet

Bid: Riddle Farm WWP Upgrades

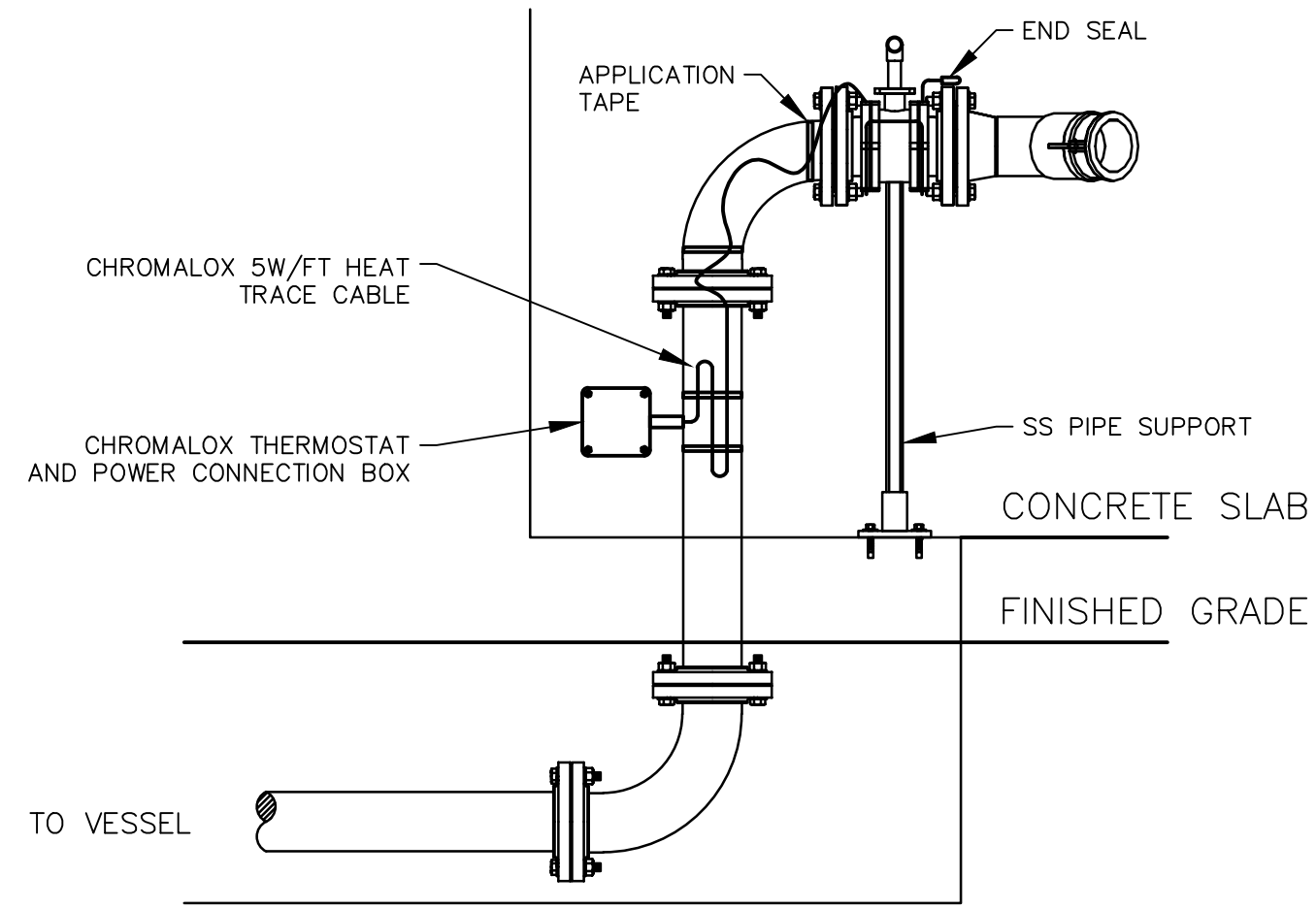
Date: 4/30/24

4/30/24 @ Noon

Name	Company	Title	Phone	E-Mail	Signature
Nicholas Rice	Worcester County	Procurement Officer	On File		
Charlie Tedee	Beckwith Const	Estimator	410-490-7547	charlie@beckwithconstruction.net	
Andrew Workman	M2 Construction LLC	"	417-355-8801	est@m2constructionllc.com	
Galay Serwan	War City DPW	Operations Manager	410-641-5251	gservan@warcitydpw.com	
DOMINIC ROSS	WAR COURT	WASTEWATER SUPERVISOR	410-641-5251	dross@warcourtdpw.com	
Jimmy Lonston	CON-060	PM	413-812-3531	lonel@con060.com	
REED MARRAS	CHESAPEAKE TOWNSHIP, LLC	EST.	302-222-1317	RMARRAS@CHESAPEAKE-TOWNSHIP.COM	
Chris Clasing	Worcester County	Deputy Director	File	File	
Dallas Baker	War. Public Works	Director	"	"	
Tony Farscell	War. Public Works	Warrior, Worcester	File	File	
ANDREW DRZ	FRAN STEEL CHKS	Business Developer	410-507-6176	ANDREW@FRANSTEELCHKS.COM	



DIRECT BURIED – ELECTRICAL – DETAIL
SCALE: NTS

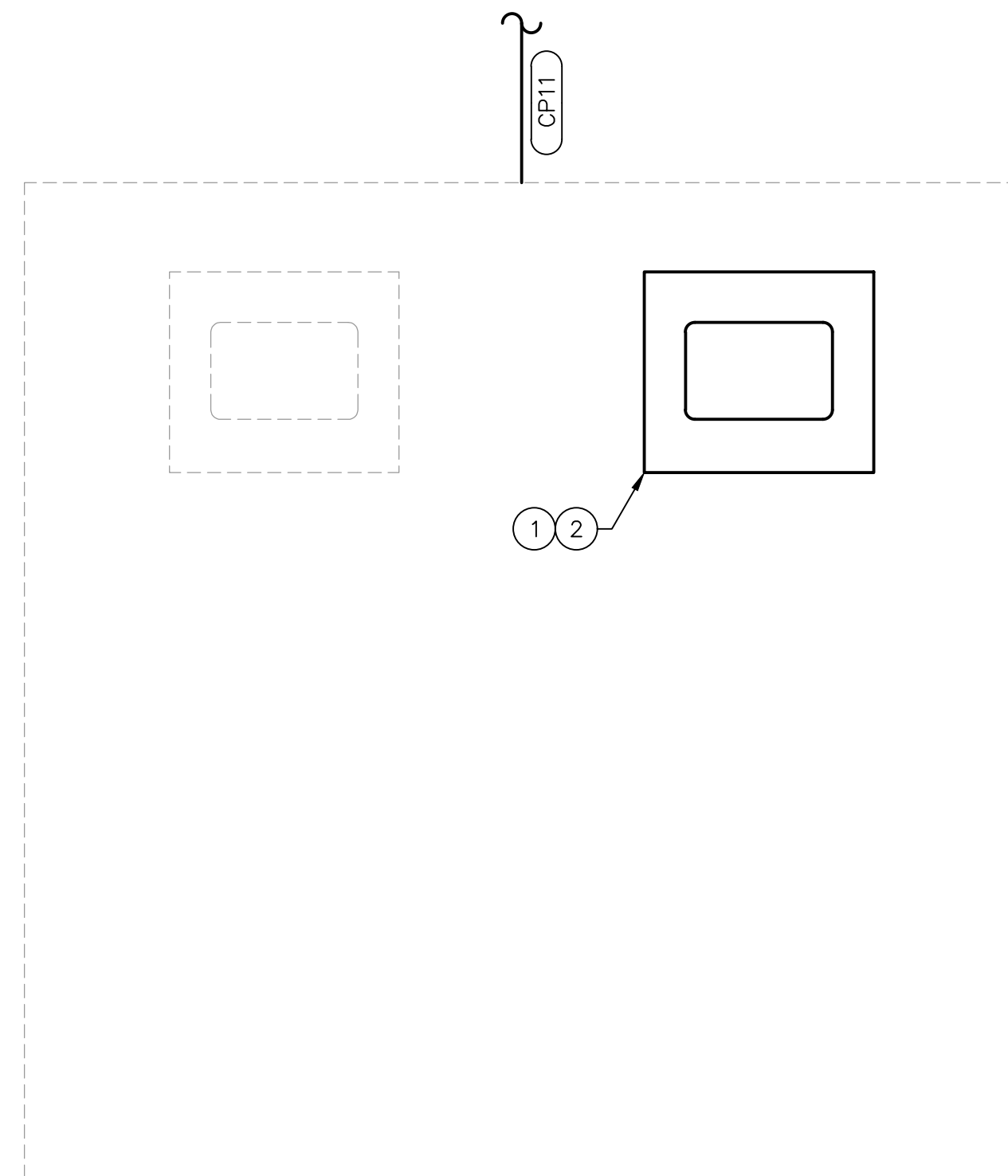


- NOTES:
1. PROVIDE CHROMALOX HEAT TRACING CABLE WITH THERMOSTAT AND POWER CONNECTION BOX.
 2. INSTALL HEAT TRACE CABLING PER MANUFACTURER'S INSTRUCTIONS.

HEAT TRACING – ELECTRICAL – DETAIL
SCALE: NTS

MAIN LUG	WELL PMP #1 STR	EFFLU PMP #1 STR
WTR TOW	SUBTROLS WELL PMP 1&2	EFFLU PMP #2 STR
HP PANEL C.B.	WELL PMP #2 STR	EFFLU PMP #3 STR
SPACE		PMP CTRL PANEL
SPACE	WWTP C.B.	SPACE
SPACE		SPACE

WTP MCC



- NOTES:
1. CUT PANEL DOOR PENETRATION TO SERVE NEW OIT.
 2. PROVIDE NEW OIT TO DISPLAY MBR CONTROL PANEL DATA.
 3. DEDICATED CATSE CABLE. NO COMMUNICATIONS WITH EXISTING EQUIPMENT IN THIS PANEL.
 4. USE POWER SOURCE IN CABINET TO SERVE NEW OIT.

EXISTING WWTP – SCADA PANEL – DETAIL
SCALE: NTS

HP C.B.	PROC. BLWR #1 C.B.	COMP. #1 STR	PERM. PMP #1	RECIRC. PMP #1		
SPACE	PROC. BLWR #2 C.B.	COMP. #2 STR	PERM. PMP #2	RECIRC. PMP #2	INFLU. PMP #1 VFD	INFLU. PMP #2 VFD
BLANK	MIXER 1A	F.E. RECIRC F.F. #1	PERM. PMP #3	IRP #1		
MAIN C.B.	MEM BLWR #1 STR	F.E. RECIRC F.F. #2	SCR. BUILD. C.B.	IRP #2		
	MEM BLWR #3 STR	EFFLU PMP #1		DIP TANK BLR	LINE R. INFLU PMP #1	LINE R. INFLU PMP #2
	MEM BLWR #2 STR	EFFLU PMP #1	SPACE	MIXER 2A		
			EFF. PMP RESET	MOBILE TRAILER	MIXER 1B	MIXER 2B

WWTP MCC

PRINTS ISSUED FOR:
BID SET

DATE	
REVISIONS	
NO.	

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KEGI.NET

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RIDDLE FARM WWTP
EQUIPMENT UPGRADES

WORCESTER COUNTY, MARYLAND

DETAILS -
ELECTRICAL

SCALE : AS NOTED	SHEET NO.
DESIGN BY : CLJ	E-5
DRAWN BY : CAD	
CHECKED BY : CLJ	
GMB FILE : 220047	
DATE : AUGUST 2023	

PLOT CODE
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