



To: All Plan Holders of Record

From: Verdantas LLC
For the Owner

Re: ***Addendum No. 1***
Wastewater Treatment Plant Clarifier Improvements – Phase 1
Village of Jefferson

Date: February 26, 2025

This Addendum forms a part of the contract documents and modifies the original bidding documents dated February 2025 and all previous addenda, if any. Acknowledge receipt of this addendum in the space provided in the bid forms. Failure to do so may subject the bidder to disqualification.

PLANS

On plan sheet 15/15 **CHANGE** Demo Notes 1. and 2. to the following:

1. DISCONNECT EXISTING SLUDGE COLLECTOR DRIVE SYSTEM INCLUDING MOTOR TO BE REMOVED AND REPLACED BY THE CONTRACTOR.
2. DISCONNECT EXISTING SLUDGE COLLECTOR DRIVE SYSTEM LOCAL CONTROL STATION TO BE RECONNECTED BY THE CONTRACTOR.

ADD Sheet 14/15 Drawing 10E-01

REMOVE one duplicate of sheet 15/15 Drawing 10E-02.

SPECIFICATIONS

In Specification Section 464321, **ADD** the following paragraph to section 2.1 after paragraph L.:

2. Existing weir v-notches to be leveled.

GC/MB:mep

Enclosures

H:\2024\241530\SPEC\Addenda\Addendum 01\Addendum 01.Doc

ELECTRICAL SPECIFICATIONS

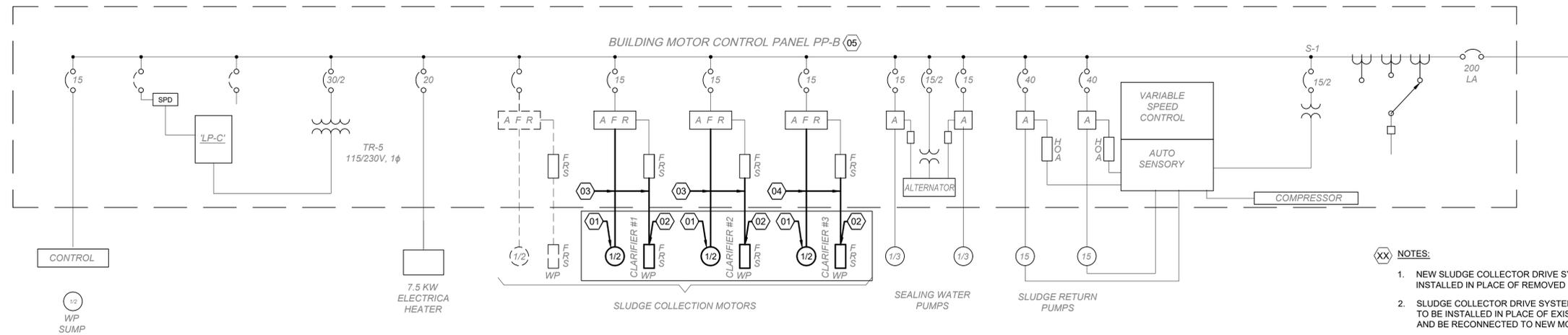
- THE ELECTRICAL CONTRACTOR SHALL APPLY FOR AND SECURE ALL COSTS AND CHARGES FOR PERMITS, CONSTRUCTION, AND MISCELLANEOUS WORK ASSOCIATED WITH AND REQUIRED FOR THE COMPLETION OF THE PROJECT ELECTRICAL WORK.
- THE ELECTRICAL CONTRACTOR SHALL ARRANGE FOR ALL INSPECTIONS OF ELECTRICAL WORK BY ALL INSPECTION AUTHORITIES HAVING JURISDICTION. COPIES OF INSPECTION REPORTS SHALL BE MADE AVAILABLE TO THE OWNER UPON REQUEST, AND THREE (3) COPIES OF THE APPROVED FINAL INSPECTION REPORT SHALL ACCOMPANY THE REQUEST FOR FINAL PAYMENT.
- ALL WORK SHALL BE IN STRICT ACCORDANCE WITH THE LATEST EDITION OF THE NATIONAL ELECTRICAL CODE, OHIO BUILDING CODE, LOCAL CODES AND ORDINANCES WHERE APPLICABLE, AND REQUIREMENTS OF O.S.H.A.
- ALL MATERIALS AND EQUIPMENT FURNISHED AND INSTALLED BY THE ELECTRICAL CONTRACTOR SHALL BE NEW, U.L. LISTED OR LABELED, AND CONFORM TO NEMA AND ANSI STANDARD WHERE APPLICABLE.
- THE CONTRACTOR SHALL VISIT THE SITE AND FULLY FAMILIARIZE HIMSELF WITH ALL CONDITIONS WHICH AFFECT HIS WORK PRIOR TO BID. COORDINATE AND SCHEDULE WORK WITH OTHER TRADES TO ENSURE SATISFACTORY PERFORMANCE, AVOID DELAYS AND DUPLICATIONS AND MEET THE OWNER'S COMPLETION SCHEDULE FOR THE USE OF THE BUILDING.
- ALL WORK SHALL BE INSTALLED BY WORKMEN FULLY SKILLED IN THE WORK TO BE PERFORMED. REPAIR OR REPLACE EXISTING EQUIPMENT OR PROPERTY OF THE OWNER DAMAGED BY ELECTRICAL TRADES WORKMEN.
- THE ELECTRICAL CONTRACTOR SHALL GUARANTEE MATERIALS AND WORKMANSHIP PROVIDED BY HIM FOR A PERIOD OF ONE (1) YEAR FROM THE DATE OF OWNER'S FINAL ACCEPTANCE. REPAIR OR REPLACE ANY DEFECTIVE MATERIALS OR EQUIPMENT AT NO ADDITIONAL COST TO THE OWNER WITHIN THE GUARANTEE PERIOD.
- ALL ELECTRICAL WIRING SHALL BE INSTALLED IN CONDUIT. CONDUIT SHALL BE EMT, INTERMEDIATE, OR RIGID GALVANIZED IN ACCORDANCE WITH AND AS PERMITTED BY THE NATIONAL ELECTRICAL CODE OR LOCAL/STATE CODES AS APPLICABLE. UNDERGROUND CONDUIT SHALL BE SCHEDULE 40 PVC, 1" MINIMUM.
- FURNISH AND INSTALL PULL BOXES, JUNCTION, AND DEVICE BOXES OF SUITABLE CODE GAUGE AND SIZE. ALL TERMINATIONS IN IN-GROUND PULL BOXES SHALL BE LIQUID-TIGHT.
- ELECTRICAL WIRES SHALL BE MINIMUM #12 AWG, COPPER, 600 V RATED. #14 AWG COPPER SHALL BE PERMISSIBLE FOR CONTROL CIRCUITRY. AMPACITY RATINGS SHALL BE BASED UPON 75°C RATINGS.
 - A. #14, #12, AND #10 AWG CONDUCTORS SHALL BE "THHN/THWN".
 - B. #8 AND LARGER SHALL BE STRANDED "THHN/THWN".
- FLEXIBLE METAL CONDUIT INCLUDING LIQUIDTIGHT SHALL BE PERMITTED WHERE IN ACCORDANCE WITH NATIONAL ELECTRICAL CODE AND LOCAL CODE PROVISIONS. FLEXIBLE METAL CONDUIT SHALL CONTAIN A SEPARATE GROUNDING CONDUCTOR AND BE TERMINATED WITH APPROPRIATE FITTINGS.
- THE DRAWINGS ARE DIAGRAMMATIC AND INTENDED TO DESCRIBE THE WORK REQUIRED. THE ELECTRICAL CONTRACTOR SHALL ACCURATELY FIELD MEASURE AND LAY OUT HIS WORK TO EFFECTIVELY ACHIEVE A STRUCTURALLY COORDINATED INSTALLATION WITH THE BUILDING LAYOUT AND OTHER TRADES.
- COORDINATE ALL SERVICE ENTRANCE REQUIREMENTS WITH THE LOCAL ELECTRIC UTILITY COMPANY TO ENSURE COMPLIANCE TO UTILITY COMPANY REQUIREMENTS. PROVIDE A COMPLETE GROUNDING SYSTEM.
- DISCONNECTION, RECONNECTION, AND RELOCATION OF EQUIPMENT SHALL BE COORDINATED SO AS TO CAUSE MINIMAL DISRUPTION OF SERVICE.
- IDENTIFY PANELBOARDS AND USAGE OF PANELBOARD CIRCUIT BREAKERS WITH PLASTIC LAMICOID NAMEPLATES. NAMEPLATES SHALL INDICATE PANEL DESIGNATION, VOLTAGE, AND USE.

ELECTRICAL SYMBOLS - PLAN:

- HOME RUN TO PANEL
- MOTOR
- MOTOR CONTROLLER
- FUSIBLE SAFETY SWITCH
- NON-FUSIBLE DISCONNECT SWITCH
- SIMPLEX RECEPTACLE, EXPLOSION PROOF
- DUPLEX RECEPTACLE
- QUADPLEX RECEPTACLE
- DATA PORT, RJ45
- SPECIAL RECEPTACLE, NEMA TYPE NOTED
- SINGLE-POLE SWITCH, "3" INDICATES 3-WAY, "OS" INDICATES OCCUPANCY SENSING
- DRY-TYPE TRANSFORMER
- PUSHBUTTON STATION
- LOUVER OPERATOR

SINGLE LINE, ELEMENTARY, & INTERCONNECTION DIAGRAMS (ONLY) SYMBOLOGY:

- DISCONNECT SWITCH - AMP RATING
- FUSE - AMP RATING
- CIRCUIT BREAKER - AMP RATING
- MOTOR W / HORSEPOWER INDICATED
- AMMETER
- VOLT METER
- POWER FACTOR METER
- GROUND FAULT RELAY
- TRANSFORMER
- RELAY COIL
- TIMING RELAY COIL
- MOTOR STARTER COIL
- ELAPSED TIME TOTALIZER
- GROUNDING BUS
- TRANSIENT VOLTAGE SURGE SUPPRESSOR
- N.O. LIMIT SWITCH
- N.O. FLOW SWITCH
- N.O. LEVEL SWITCH
- N.O. PRESSURE SWITCH
- N.O. TEMPERATURE SWITCH
- N.O. TIME DELAY AFTER ENERGIZATION
- N.C. TIME DELAY AFTER ENERGIZATION
- N.C. TIME DELAY AFTER DE-ENERGIZATION
- N.O. SWITCH (GENERAL)
- START PUSHBUTTON NORMALLY OPEN
- STOP PUSHBUTTON NORMALLY CLOSED
- CONTACT - NORMALLY OPEN
- CONTACT - NORMALLY CLOSED
- SOLENOID COIL
- PILOT LIGHT - PUSH TO TEST (COLOR)
- GROUND
- CAPACITOR
- 2 POSITION SELECTOR SWITCH
- 3 POSITION SELECTOR SWITCH
- EQUIPMENT FIELD TERMINAL



- NOTES:**
- NEW SLUDGE COLLECTOR DRIVE SYSTEM INCLUDING MOTOR TO BE INSTALLED IN PLACE OF REMOVED EXISTING.
 - SLUDGE COLLECTOR DRIVE SYSTEM LOCAL CONTROL STATION NEW TO BE INSTALLED IN PLACE OF EXISTING, OR EXISTING TO REMAIN AND BE RECONNECTED TO NEW MOTOR AND CONTROLS.
 - NEW CONDUIT AND CABLE TO BE INSTALLED IN OR ON REPAIRED STRUCTURE IN PLACE OF THAT REMOVED WITH THE STRUCTURE REPAIRS. REUSE SECTIONS OF EXISTING CONDUIT AND CABLE WHERE POSSIBLE.
 - NEW CONDUIT AND CABLE ASSOCIATED WITH CLARIFIER #3 PROCESS EQUIPMENT AND BRIDGE REPLACEMENT. SEE SHEET 10D-01 FOR REFERENCE. REUSE SECTIONS OF EXISTING CONDUIT AND CABLE WHERE POSSIBLE.
 - FINAL TANK CONTROL BUILDING MOTOR CONTROL PANEL PP-B. UPGRADE CONDUIT AND WIRING AS NEEDED TO FACILITATE SLUDGE COLLECTION SYSTEM POWER AND CONTROL WIRING MODIFICATION.



NO	REVISION	DATE
1	ADDED PER ADDENDUM NO. 1	2/26/25
SCALE:	AS NOTED	2/20/25
DATE:	DESIGNED BY:	ELE
DESIGNED BY:	DRAWN BY:	ELE
DRAWN BY:	CHECKED BY:	---

VILLAGE OF JEFFERSON
JEFFERSON WASTEWATER TREATMENT PLANT
 CLARIFIER IMPROVEMENTS
 ASHTABULA COUNTY, OHIO

ELECTRICAL

ELECTRICAL NOTES, LEGEND & 1-LINE

PROJECT NO:	
241530	
DRAWING NAME	
10E-01	
SHEET	OF
14	15