ADDENDUM No. 1

DATE: November 22, 2024

PROJECT: Village of Algonquin

Braewood Pump Station Rehabilitation

TAI PROJECT NUMBER: ALG-037

OWNER: Village of Algonquin

ENGINEER: Trotter and Associates, Inc.

40W201 Wasco Road, Suite D St. Charles, Illinois 60175

TO: Prospective Bidders

The Addendum forms a part of the Contract Documents and modifies the Bidding Documents dated November 1st, 2024, with amendments and additions noted below.

Acknowledge receipt of this Addendum in the space provided on the Proposal Form. Failure to do so may disqualify the Bidder.

This Addendum consists of six (5) pages, plus attachments consisting of sixteen (17) pages.

General Comments

- 1. The bid opening date has been extended to <u>December 10, 2024 at 10:00 am</u> at the William J. Ganek Municipal Center, 2200 Harnish Drive, Algonquin, Illinois 60102.
- 2. A Non-Mandatory Pre-Bid Conference was held at 1:00 PM on November 18, 2024 at the Village of Algonquin Public Works Facility. The sign-in sheet and minutes of the Pre-Bid Conference can be found as separate documents, enclosed separately, and shall be considered part of Addendum No. 1.

1. Table of Contents

Modify the Table of Contents as follows:

DIVISION 00 – PROCUREMENT AND CONTRACTING REQUIREMENTS

00 01 15 LIST OF DRAWING SHEETS
00 11 13 ADVERTISEMENT FOR BIDS
00 11 13.01 NEWSPAPER ADVERTISEMENT

2. Section 00 11 13 - Notice to Bidders

Modify Section 00 11 13, 1.1 A as indicated

A. Notice is hereby given that the Village of Algonquin, Illinois, will receive sealed bids at the William J. Ganek Municipal Center, 2200 Harnish Drive, Algonquin, Illinois 60102 until December 4, 2024 December 10, 2024 (ADD1), at 10:00 a.m. CST for the Braewood Pump Station Rehabilitation project at which time the bids will be publicly opened and read. Bid proposals for this project will be considered not only on the basis of cost, but also on past performance, experience and ability to perform the work. The Village of Algonquin reserves the right to accept the bid deemed to be in its own best interest, which is based on all of the above considerations. Bid will be awarded to the lowest responsible bidder determined in the exclusive discretion of the Village Board of Trustees.

3. Section 26 29 23 – Variable Frequency Motor Controllers

Replace Section 26 29 23, 1.1 Summary, A with the following

B. This section is for the replacement of the existing variable frequency motor controllers installed in the existing Motor Control Center (MCC) (ADD1).

26 29 23, 2.1 Manufacturers, A as indicated:

- A. Subject to compliance with the Contract Documents, the following manufacturers are acceptable:
 - 1. Allen-Bradley by Rockwell Automation, Inc. ABB Group (ADD1)

Modify Section 26 29 23, 2.2 General, A as indicated:

A. VFDs shall be Allen-Bradley Variable Frequency AC Drive ABB ACQ (ADD1) provided with the following features:

4. Section 26 24 19 - Motor Control Centers

Modify Section 26 29 23, 1.1 Summary, A as indicated

A. This section includes the requirements for the modification of the existing Allen-Bradley® CENTERLINE® Motor Control Center (MCC) at Woods Creek Pump Station Braewood Pump Station (ADD1).

Modify Section 26 29 23, 2.3 C. as indicated

- C. Variable Frequency Drives:
 - 1. Variable frequency drives shall be Allen Bradley PowerFlex 755T drives supplied (ADD1) with harmonic mitigation and ethernet card for communication to station PLC (SCADA).
 - a. Refer to section 26 29 23 for variable frequency drive requirements.

Modifications to Project Drawings

1. Sheet D.1 – Site Demolition Plan

- A. Additional fence removal and reinstallation added.
- B. Existing site piping revised and pavement removal and curb and gutter removal/replacement limits expanded.
- C. Existing grounding wire shown around existing building.
- D. Existing odor control piping shown and removal limits expanded.

2. Sheet D.2 – Upper and Lower Demolition Plan

- A. Slab details replaced.
- B. Existing odor control piping removal limits expanded.
- C. Existing concrete pad added beneath existing MCC.
- D. Key Note #2 added.

3. Sheet D.4 - Demolition Section

A. Existing odor control piping removal limits expanded.

4. Sheet D.5 – Electrical Single-Line and MCC Elevation Demolition

- A. MCC sections 5, 6 and 7 to be removed.
- B. Buckets associated with Pump 1 to be removed in Section 3.
- C. Various changes for consistency/clarity

5. Sheet C.1 – Site Plan

A. Replaced in its entirety.

6. Sheet C.2 – Details

A. Detail "Typical Hot Mix Asphalt Pavement" deleted.

7. Sheet S.1 – Upper Level Structural Plan and Details

- A. Sections 2, 3 and 4 added.
- B. Photo 1 added.
- C. Pad detail replaced.

8. Sheet M.1 – Control Room HVAC Plan

A. Location of proposed fans switch moved.

9. Sheet P.1 – Upper and Lower Level Process Plan

- A. Proposed odor control piping installation limits expanded.
- B. Note to install analog pressure gauges on pump discharge piping added.

10. Sheet P.2 - Process Sections

- A. Equipment concrete pads shown under proposed pump and base elbows.
- B. Key note #8 removed.

11. Sheet P.3 – Process Section

A. Proposed odor control piping installation limits expanded.

12. Sheet E.2 – Upper and Lower Electrical Plan

A. Replaced in its entirety.

13. Sheet E.3 – Electrical Single Line and MCC Elevation

- A. MCC single-line updated.
- B. Freestanding VFD/bypass packages added (in lieu of new MCC structures shown in bid set)
- C. Various markups for consistency/clarity.
- D. New panel LP-B now integrated into MCC.

Questions & Clarifications

- 1. Drawing C.2 provides details for the "Typical Hot-Mix Asphalt Pavement" and "HMA Driveway with 6" Aggregate Base." Which detail should be used for repairing the area where the existing valve vault is to be removed?
 - <u>Response:</u> Please use "HMA Driveway with 6" Aggregate Base" detail. Revisions to sheet C.2 (enclosed) include deletion of the second pavement detail.
- 2. Should the cost to repair the asphalt at the "Designated Contractor Laydown Area" be included in the proposal?
 - <u>Response:</u> Contractor to restore the site to its original condition. Sheet C.1 has been revised to include limits to which the Contractor must keep their work within to minimize the area of restoration.
- 3. Drawing C.1 indicates a fence and double gate are to be installed over an existing concrete slab. Could you confirm if the existing concrete slab should be removed to construct the foundation for the gate and fence as detailed in Drawing C.2?
 - Response: The existing concrete slab is to remain. As-built drawings indicate that the original 8" slab, reinforced with #5's at 12" oc in the bottom of the slab, was cored for post installation and the posts grouted in place. Contractor shall attempt to twist out the existing posts adjacent to the existing gate using a pipe wrench. If unsuccessful, cut off the existing posts as close as possible to the slab without damaging adjacent structure. Core out or grind down the existing fence posts from the slab but do not go deeper than 5" into the slab. Patch the holes using non-shrink grout. New fence posts should be installed by coring holes slightly larger than the posts, not to exceed a depth of 5", and using epoxy adhesive to secure the posts into the slab. Posts diameter as recommended by gate manufacturer.
- 4. Can the vertical end suction centrifugal pumps and their respective VFDs be substituted with others of equal or similar characteristics, aside from the specified manufacturers and models? *Response: No, Contractor to provide pumps and VFDs as specified.*
- 5. Division 00 11 13.01 Newspaper Advertisement is listed in the Table of Contents, but not included within the Bid Specification. Can we assume no newspaper advertisement is required?

<u>Response:</u> Per the above Modifications to Specifications section, the Table of Contents is hereby modified and Section 00 11 13.01 Newspaper Advertisement is removed from the bid specifications.

THIS ADDENDUM IS HEREBY MADE PART OF THE CONTRACT DOCUMENTS AND SHALL BE NOTED ON THE PROPOSAL.

Attachments:

Pre-Bid Conference Meeting Minutes 3 Pages
Pre-Bid Conference / Site Visit Sign-In Sheet 1 Pages
Revised Sheets 13 Pages

END ADDENDUM NO. 1

Village of Algonquin Braewood Pump Station Rehabilitation

Pre-Bid Conference 1:00 PM – Monday, November 18, 2024 110 Mitchard Way – Algonquin Public Works Facility

Minutes

A meeting was held on Monday, November 18th, 2024 at 1:00pm at the Village of Algonquin Public Works Building located at 110 Mitchard Way, Algonquin, IL. Attendees are documented on the enclosed sign-in sheet.

Introductions

Cliff Ganek, P.E. Village of Algonquin Village Engineer Jason Schutz Village of Algonquin **Utilities Superintendent** Tom Hall Village of Algonquin **Chief Wastewater Operator** Jake Benner Village of Algonquin Engineer Jillian Kiss, P.E. Trotter and Associates, Inc. **Project Manager** Dan Gillespie, P.E. Trotter and Associates, Inc. **Construction Manager**

Receipt of Bids

The Village Clerk of the Village of Algonquin, 2200 Harnish Road, Algonquin Illinois, 60102; will receive sealed bids until 10:00 am on December 4, 2024. Bids will be opened and read immediately following the bid deadline.

Bid Security

Each bid shall be accompanied by a bid bond, bank draft, cashier's check or certified check payable to the order of the Village of Algonquin, in an amount not less than five (5) percent of the amount of the bid, as a guaranty that the bidder will execute the contract, if it is awarded, in conformity with the bid form.

The successful bidder will be required to furnish Performance and Completion and Payment Bonds, each in an amount equal to 100 percent of the contract sum.

The successful bidder will also be required to furnish a Maintenance Bond in the amount of five (5) percent of the contract sum. The bond shall be held by the Owner for a period of one year from the date of final acceptance.

Bidder Certification

Bidders must complete all of the certifications within the Notice to Bidders and bidding documents. To demonstrate qualifications to perform the WORK, each BIDDER must be prepared to submit within five days of OWNER'S request written evidence of the types set forth in the Supplementary Conditions, such as financial data, previous experience and evidence of authority to conduct business in the jurisdiction where the Project is located. Each BID must contain evidence of BIDDER'S qualification to do business in the state where the Project is located or covenant to obtain such qualification prior to award of the contract.

Owner intends to award the contract only to a Bidder that furnishes satisfactory evidence that it has the requisite experience, ability, capital, facilities, organization and staffing to enable it to perform the work in a satisfactory manner and to complete the work for the contract price and within the contract time.

Contract Time

The Work will commence expeditiously after the Commencement Date. The Contractor shall substantially complete the Work in 320 calendar days, and all Work including punch list items within 350 calendar days unless an extension of time is granted in accordance with the specifications.

Wage Provisions

This contract calls for the construction of a "public works," within the meaning of the Illinois Prevailing Wage Act, 821 ILCS 130/.01 et seq. ("the Act"). The Act requires contractors and subcontractors to pay laborers, workers and mechanics performing services on public works projects no less than current "prevailing rate of wages" (hourly cash wages plus amount for fringe benefits) in the county where the work is performed.

Project Summary

The proposed improvements consist primarily of the following:

- A. Replacement of (3) existing raw sewage pumps and variable frequency drives;
- B. Replacement of existing in-channel grinder equipment;
- C. Replacement of interior and exterior lift station piping, valves and flow meter;
- D. Replacement of existing odor control equipment and air supply piping revisions;
- E. Relocation of existing backflow preventer and water meter;
- F. Removal and replacement of concrete slab with access hatch above grinder equipment;
- G. Bypass pumping;
- H. HVAC upgrades and electrical upgrades; and
- Restoration including HMA pavement, PCC curb, and landscape restoration.

Discussion Items

- A. CCDD There is expected to minimal excavation required for the proposed work. All testing and reporting for CCDD disposal is the responsibility of the contractor.
- B. Question from Attendee regarding work hours. Response: Work hours are 7am-7pm. The Village noted that the pump station is bordered by homes and the Contractor is expected to be courteous of the Village's neighbors.
- C. TAI noted that the plans and specifications will be revised to reflect a change in the specified VFD manufacturer. The design intent is to install all three VFDs with the existing MCC footprint. The revised electrical plan will show removal of existing MCC sections and installation of wall mounted VFDs in their place. These revisions will be distributed with Addendum No. 1.

Addendum No. 1

Addendum No. 1 will include, at a minimum, the following items:

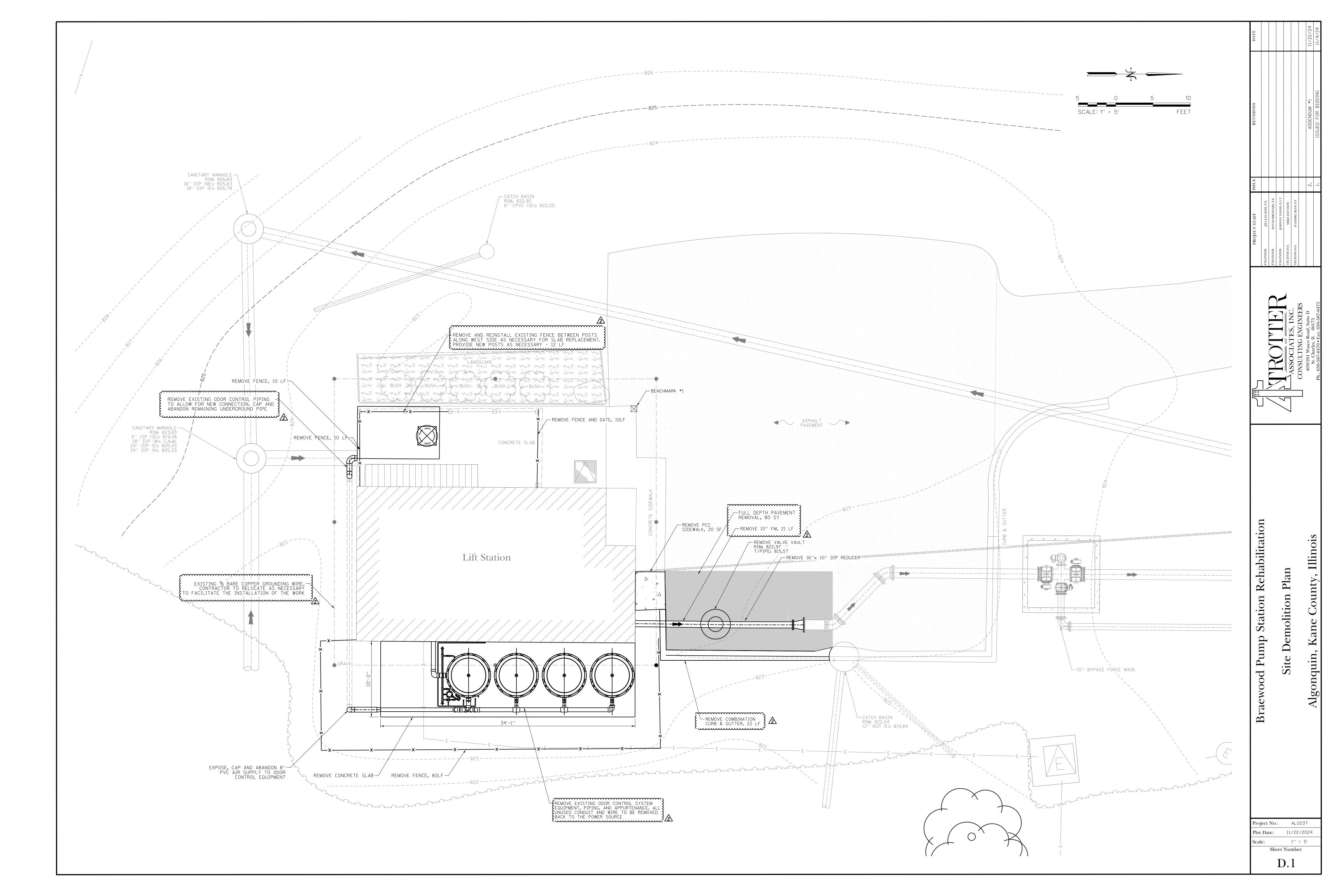
- Copy of Pre-Bid Meeting Minutes & Sign-in Sheet
- Bidder Questions to date
- Plan and Specification Revisions to date

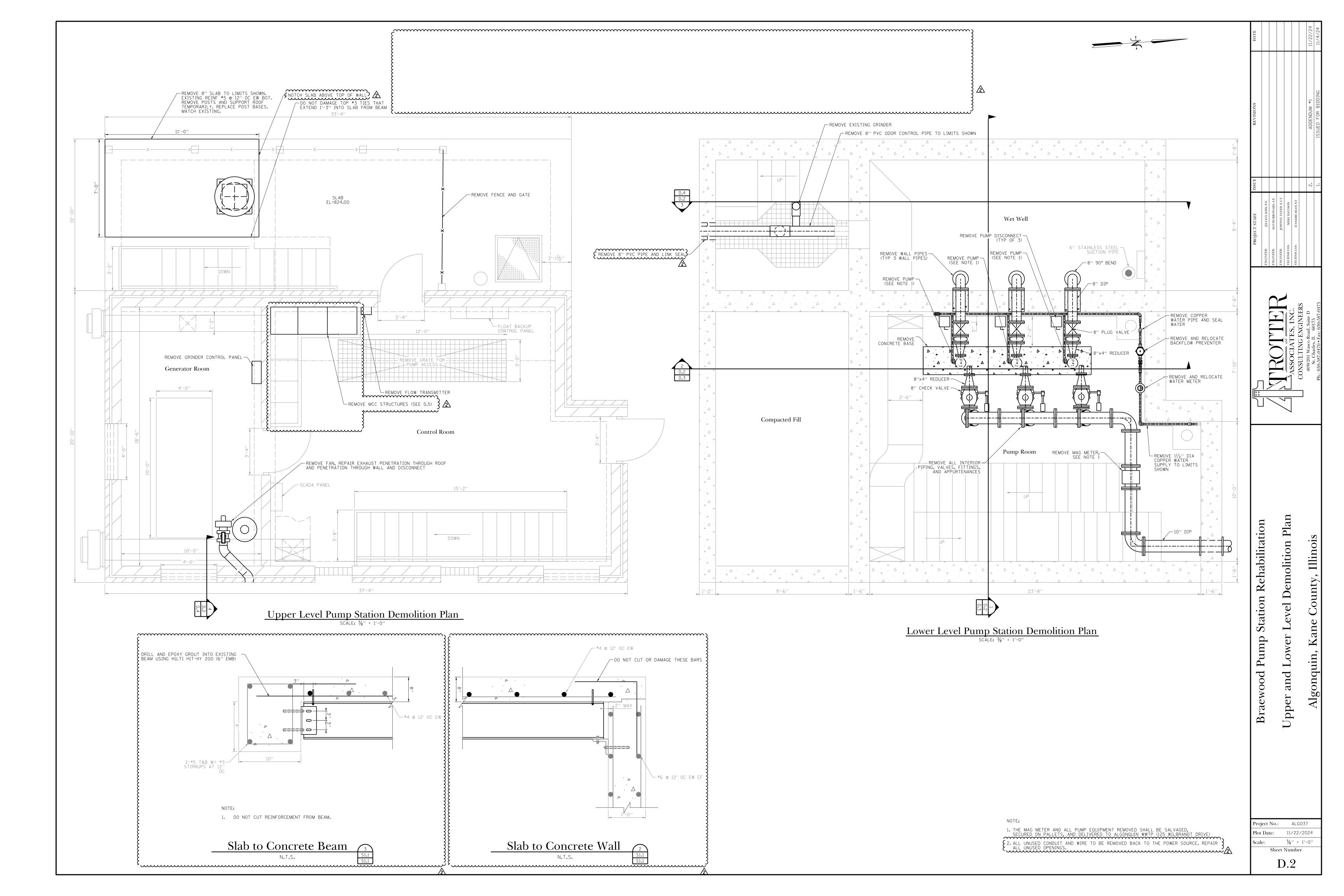
This is Trotter and Associates, Inc. (TAI) understanding of the conversations. Please advise TAI in writing of any misunderstandings. If no response is received within seven calendar days of the date of distribution these minutes are assumed true and correct.

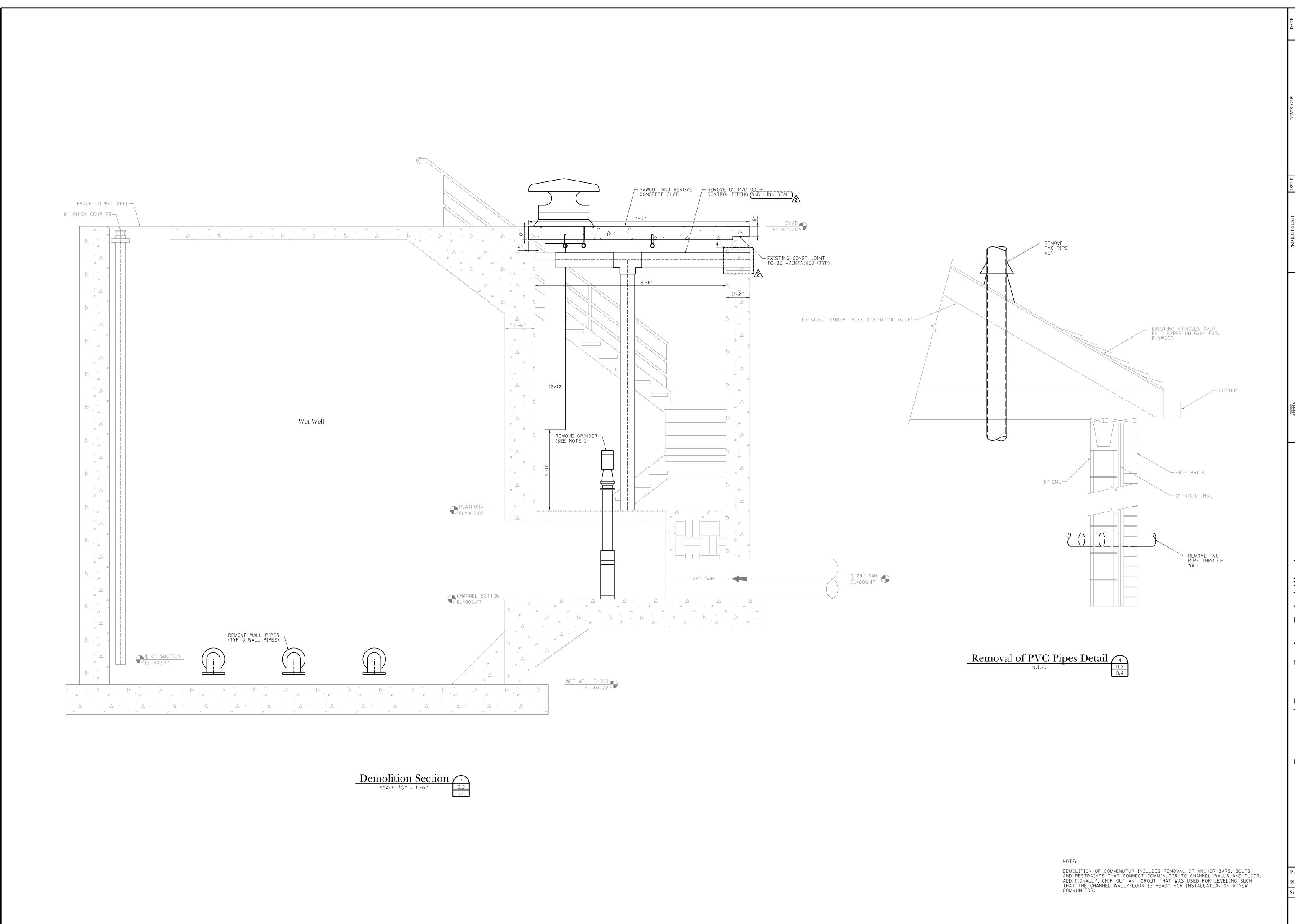
Village of Algonquin Braewood Pump Station Rehabilitation

Pre-Bid Conference 1:00 PM – Monday, November 18, 2024 Sign-in Sheet

Name	Company	Telephone	Email
Jake Benner	VOA		jacobbenner@algonquin.org
Zach Ruemelin	DMI	847-561-0419	zruemelin@dmi-inc.net
Tim Smith	Tri-R Systems	815-787-0830	tsmith@tri-rsystems.com
Tom Hall	VOA	847-561-6953	thall@algonquin.org
Jason Schutz	VOA	847-658-2754	jasonshutz@algonquin.org
John Rowley	Xylem	312-909-4327	John.rowley@xylem.com
Kevin Aronson	Manusos		
Dan Gillespie	TAI	847-346-2338	d.gillespie@trotter-inc.com
Juan Lopez	Foundation Mechanics		juan@foundationmech.com
Jeff Griffard	ID	708-606-6942	jeff@integrateddemolition.com
Jillian Kiss	TAI	847-587-0470	j.kiss@trotter-inc.com







ASSOCIATES, INC.
CONSULTING ENGINEERS
40W201 Wasco Road, Suite D
St. Charles, II. 60175

Ph. 630 537 0470, E24, 630 537 0475

Braewood Pump Station Rehabilitation Demolition Section

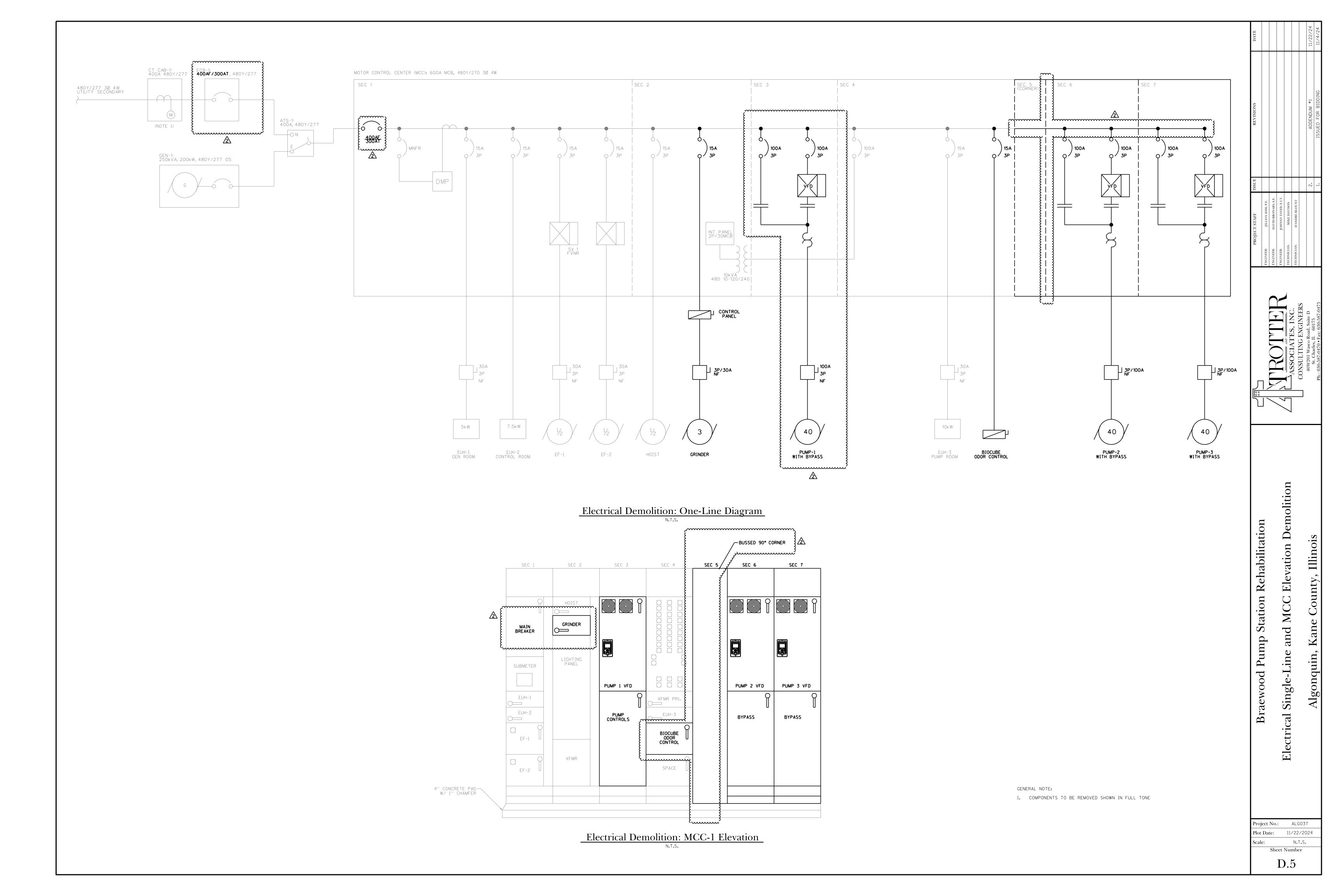
Project No.: ALG037

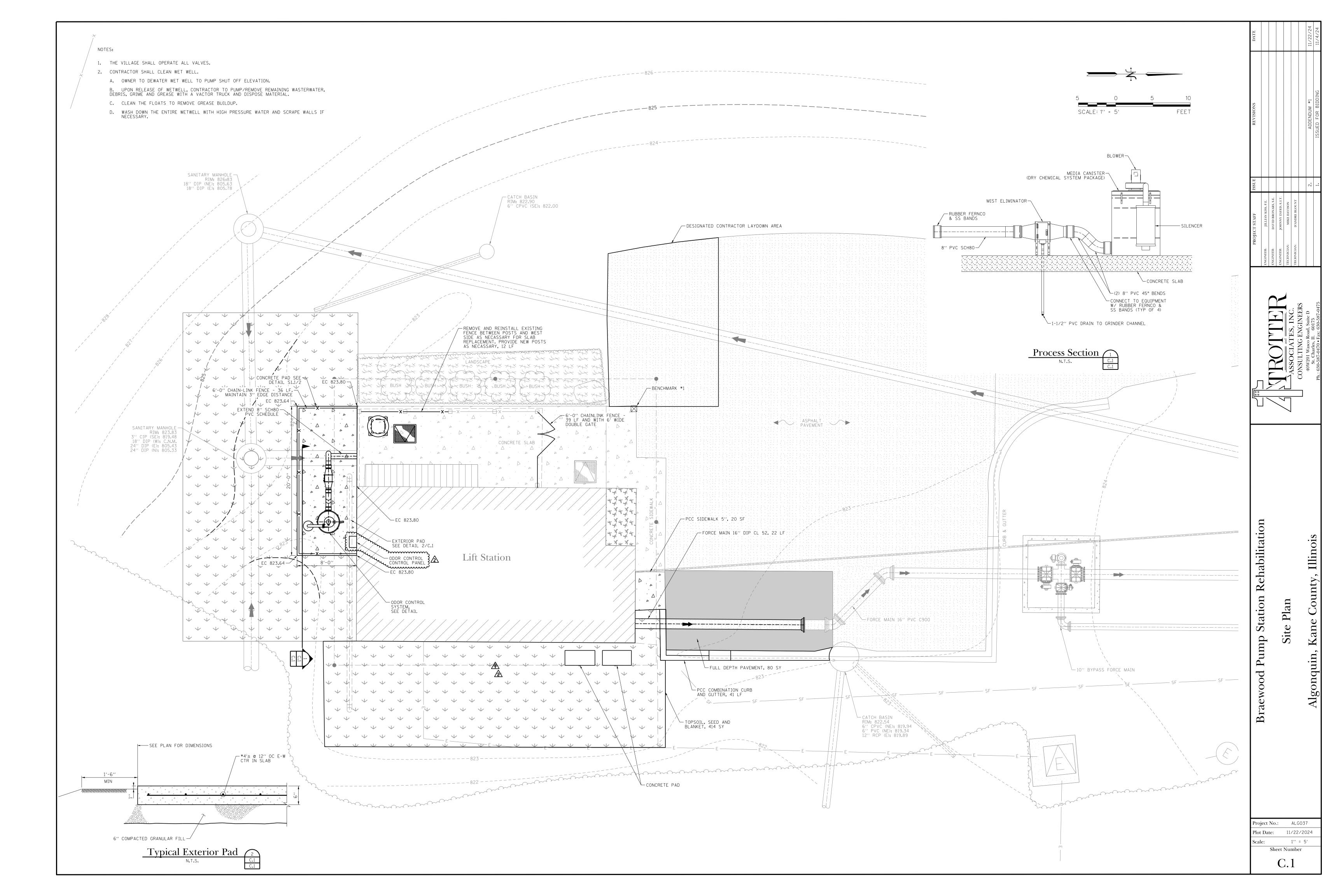
Plot Date: 11/22/2024

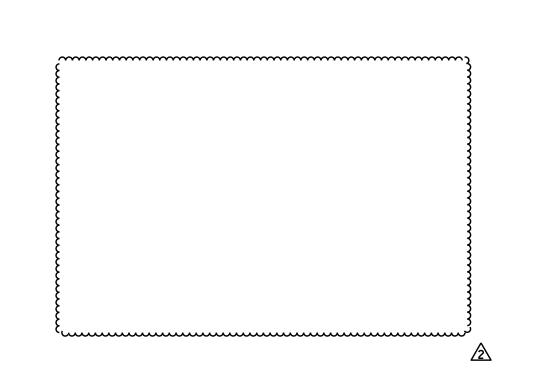
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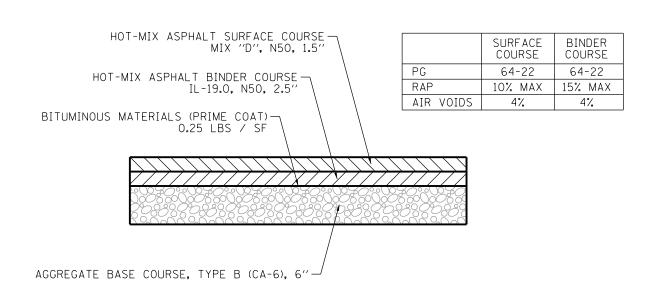
Sheet Number

D.4

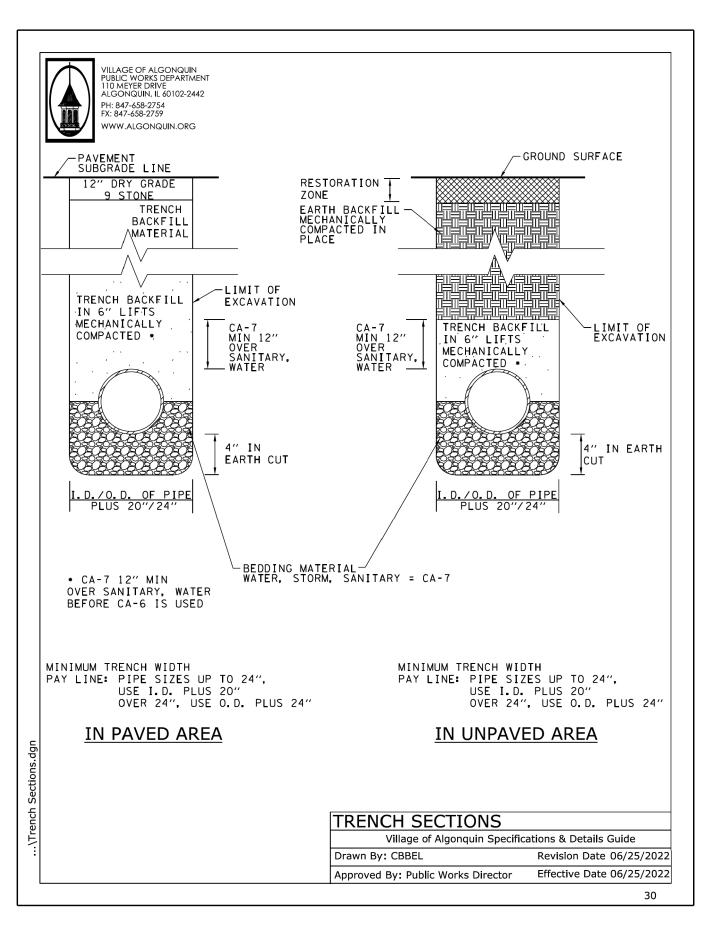


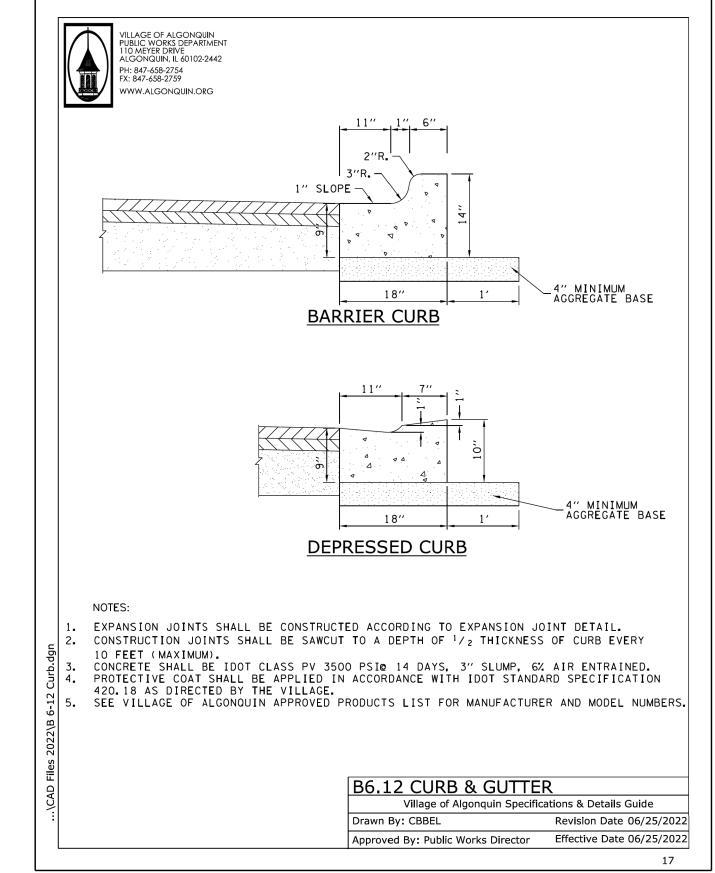


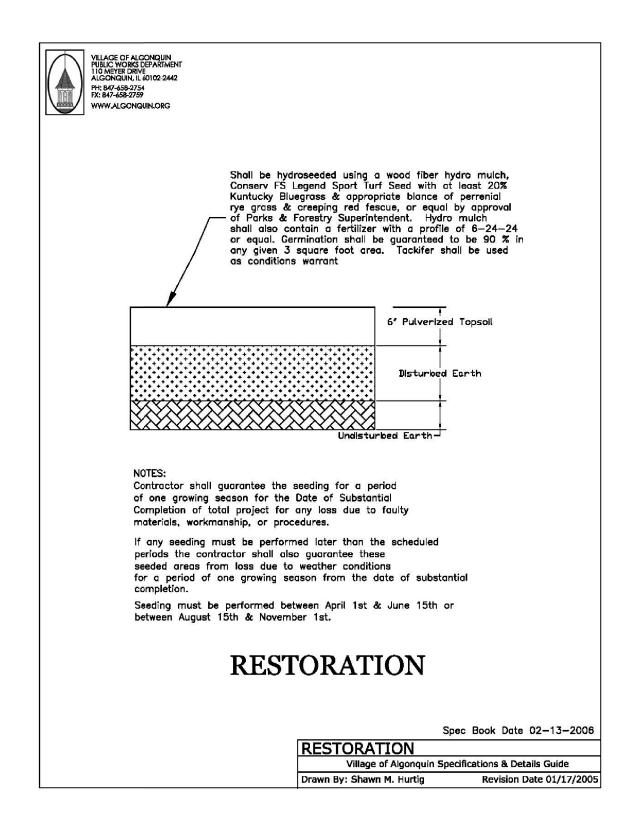


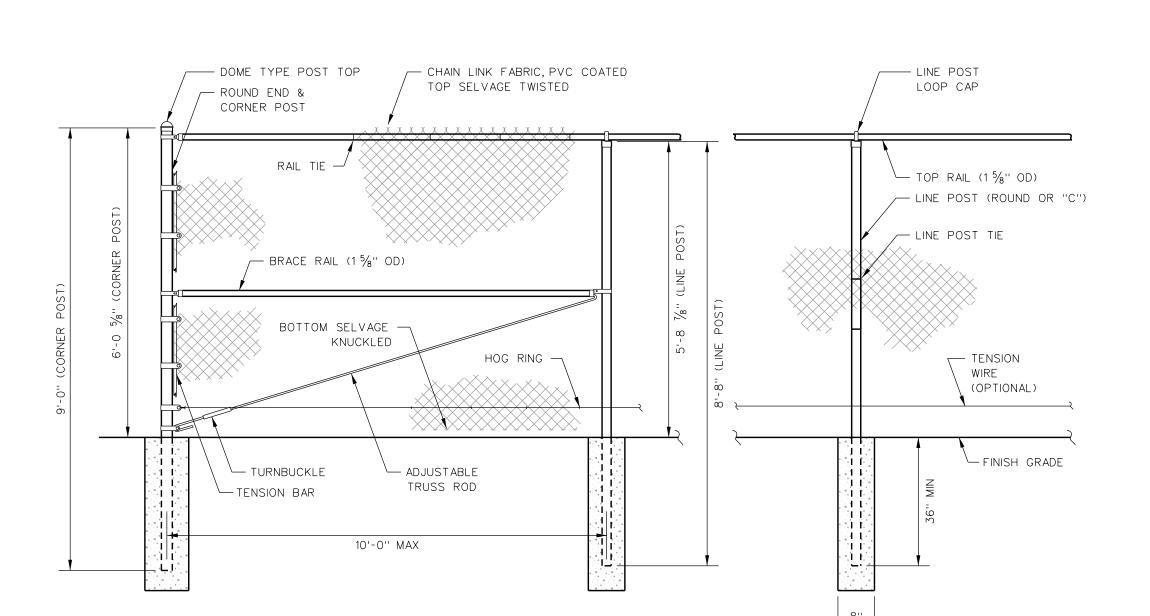


HMA Driveway with 6" Aggregate Base



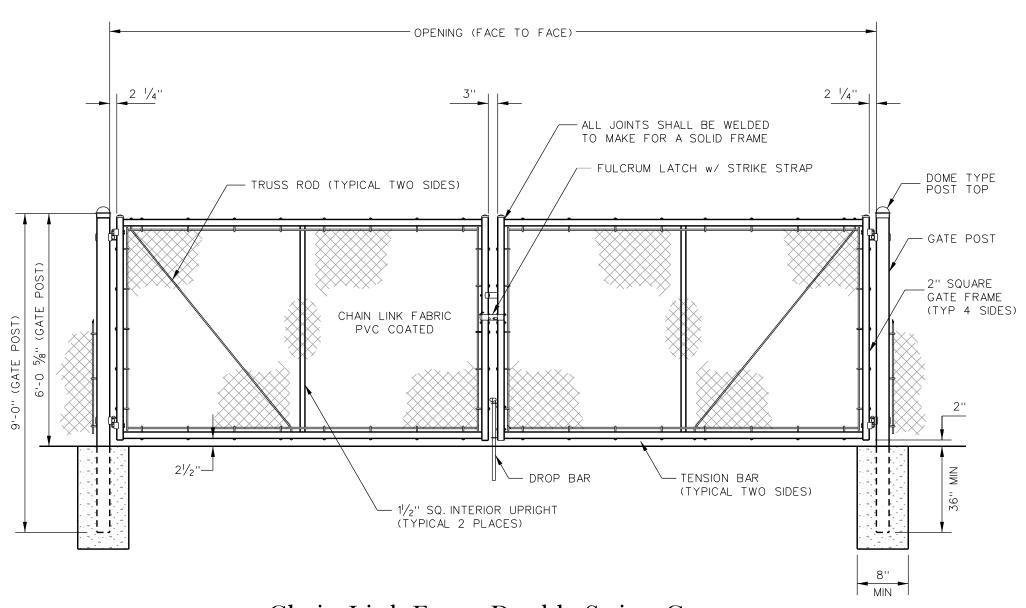






Chain Link Fence

C.2.DGN



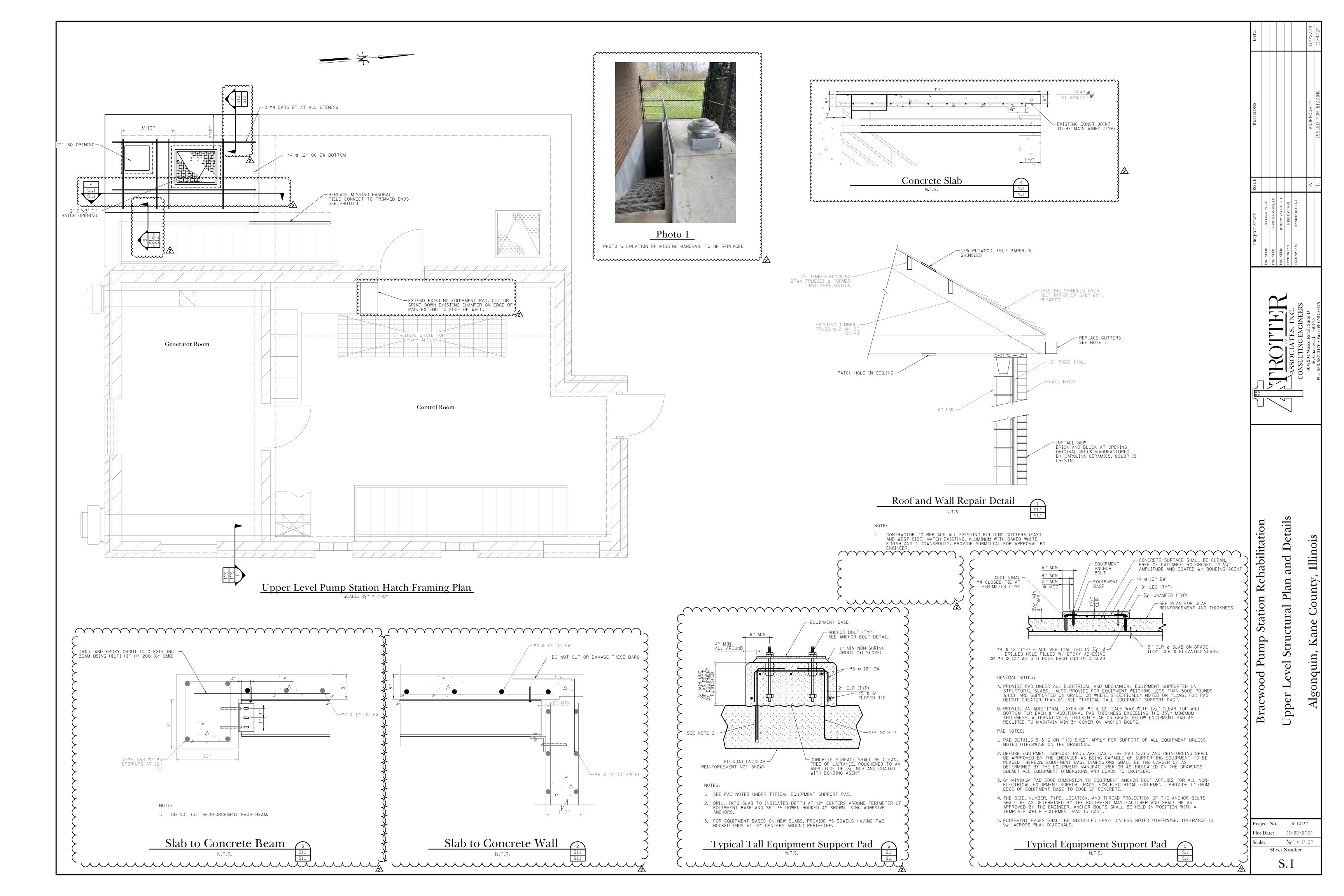
Chain Link Fence Double Swing Gate

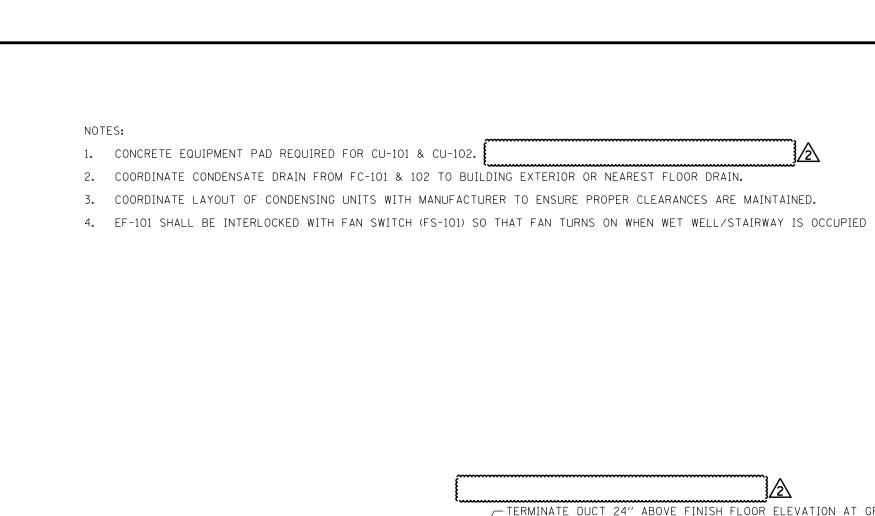
C.2.DGN

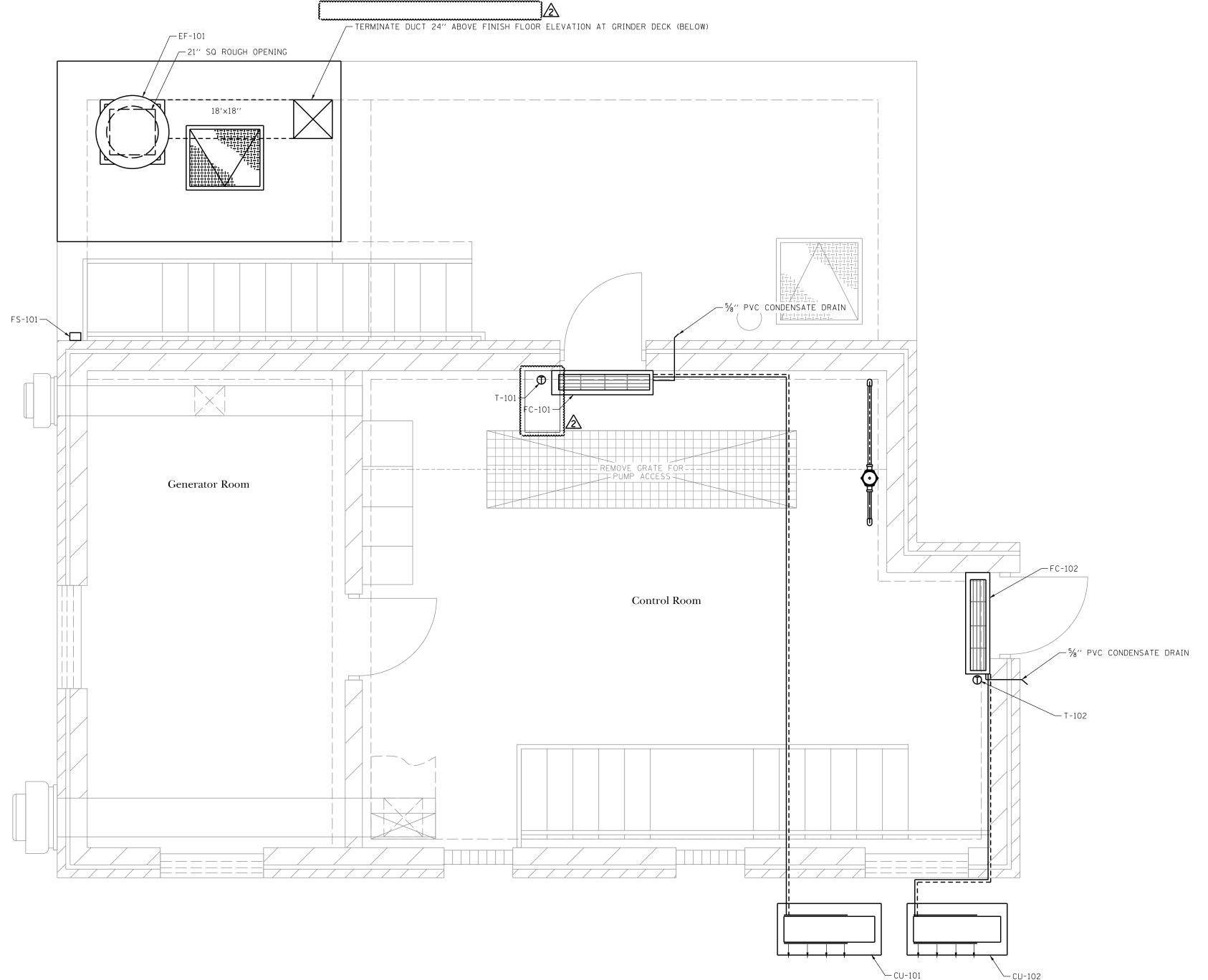
Braewood Pump Station Kehabilitatic		
Station		:
Pump	⊣	1
Braewood		
_		

ject No.:	ALG037
t Date:	11/22/2024
le:	N.T.S.

N.T.S.
Sheet Number







Control Room HVAC Plan

SCALE: 3/8" = 1'-0"

FAN COIL F	PERFORMANCE DATA	(COOLING	ONLY)								
MARK NO.	LOCATION	CFM	MEDIA	ТН МВН	SEN CAP MBH	AIR ON DB	AIR OFF DB	SP DROP IN WC	ELEC DATA	BASIS OF DESIGN	REMARKS
FC-101	CONTROL ROOM	705	R-410A	36	16	90	66	N/A	SEE CU DATA	MITSUBISHI PKA- A36KA7	1, 2, 3
FC-102	CONTROL ROOM	705	R-410A	36	16	90	66	N/A	SEE CU DATA	MITSUBISHI PKA- A36KA7	1, 2, 3
NOTES:	•										
1. UNIT PO	WERED FROM RESPE	CTIVE CON	IDENSING I	UNIT							
2. PROVIDI	E UNIT MOUNTED DIS	CONNECT	FOR INDO	OR UNITS							
3. PROVIDI	E WITH 7-DAY PROGR	AMMABLE	DOC WAL	L THERMOS	STAT						

AIR COOLE	D CONDENSING UNIT	Γ PERFORM	ANCE DATA	(COOLING	GONLY)							
ИARK NO.	LOCATION	SERVES	REFRIG.	TON	AMBIENT TEMP °F	MCA	МОСР	VOLTS	PH	REFRIG	BASIS OF DESIGN	REMARKS
CU-101	CONTROL ROOM	FC-101	R-410A	3	95	25	31	208	1	R-410A	MITSUBISHI PUY- A36NKA7	1, 2
CU-102	CONTROL ROOM	FC-102	R-410A	3	95	25	31	208	1	R-410A	MITSUBISHI PUY- A36NKA7	1, 2
IOTES:								•		•		

144 51/ 110	LOCATION	CED1/EC	CETROINE	14055	D = 1.44
THERMOSTAT SCH	HEDULE				
2. PROVIDE WITH V	VIND BAFFLES.				

1. UNIT SHALL BE ANCHORED TO A CONCRETE EQUIPMENT PAD WITH MANUFACTURER'S MOUNTING DUAL FAN STAND.

MARK NO.	LOCATION	SERVES	SETPOINT	MODEL	REMARKS				
T-101	CONTROL ROOM	FC-101	80° F	PAR-FL32MA-E	1, 2				
T-102	CONTROL ROOM	FC-102	80° F	PAR-FL32MA-E	1, 2				
NOTES:									
1. WIRING AND CONDUIT BY ELECTRICAL SUBCONTRACTOR, WIRE TERMINATIONS BY MECHANICAL SUBCONTRACT									

FAN PERFORMANCE DATA											
MARK NO.	SERVES	TYPE	CFM	SP DROP INS W.C	RPM	STATIC EFF %	HP	VOLTS	PH	BASIS OF DESIGN	REMARKS
EF-101	WET WELL	BELT DRIVE DOWNBLAST	2300	0.125	1750	22.1	0.25	115	1	ACME PV165 - EXP	1, 2, 3, 4, 5

1. PROVIDE ACME SEAL CHARCOAL GRAY POWDER COATING AND WITH STAINLESS STEEL FASTENERS.

2. PROVIDE WITH LOCAL DISCONNECT SWITCH AND MOTOR STARTER RATED FOR A CLASS 1 DIV 2 ENVIRONMENT. 3. PROVIDE WITH MOTORIZED BACKDRAFT DAMPERS AS PART OF THE FAN ASSEMBLY.

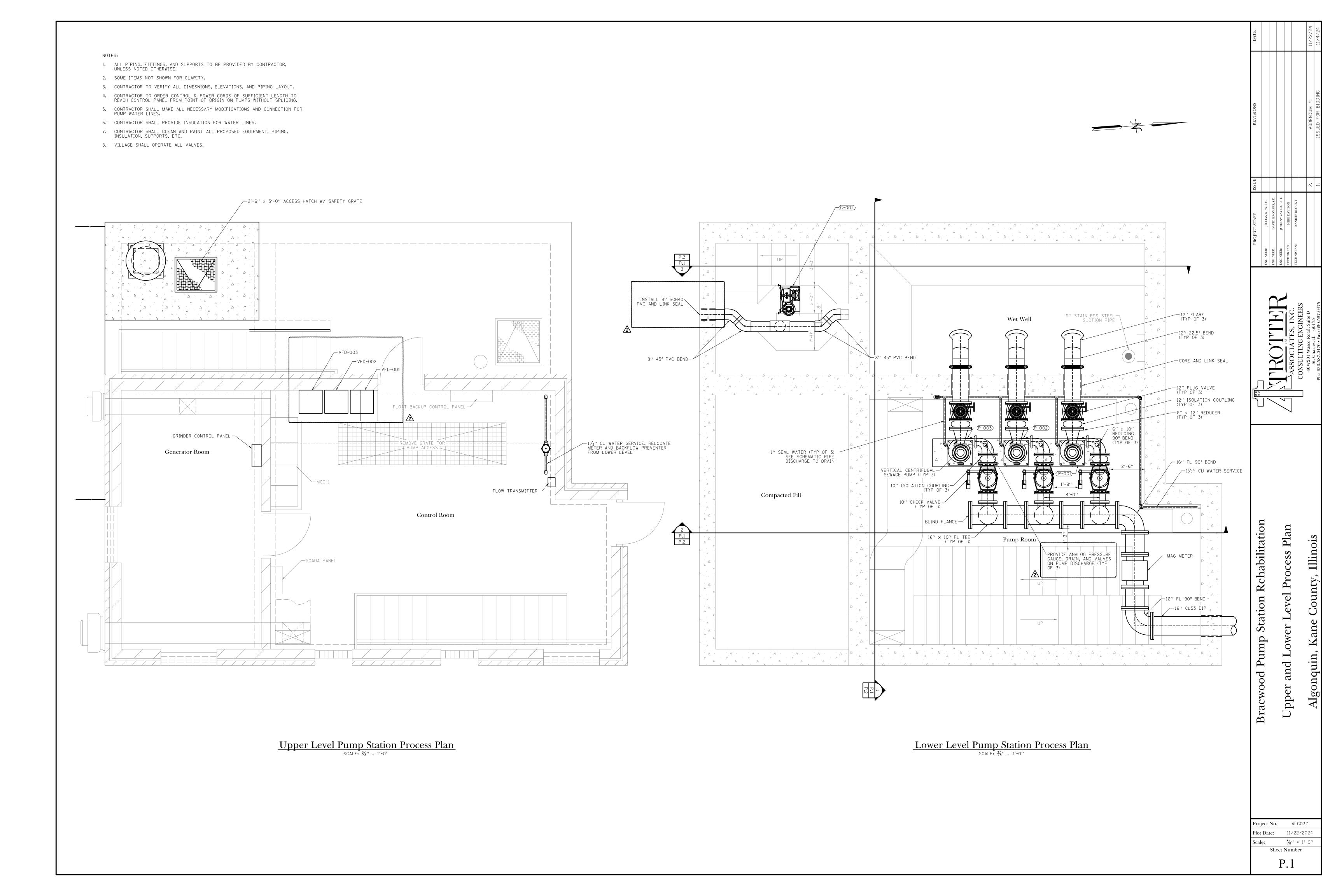
4. SEE SPECIFICATIONS FOR ADDITIONAL INFORMATION. 5. UNIT SHALL BE INTERLOCKED WITH SWITCH TO RUN ONLY WHEN SPACE IS OCCUPIED.

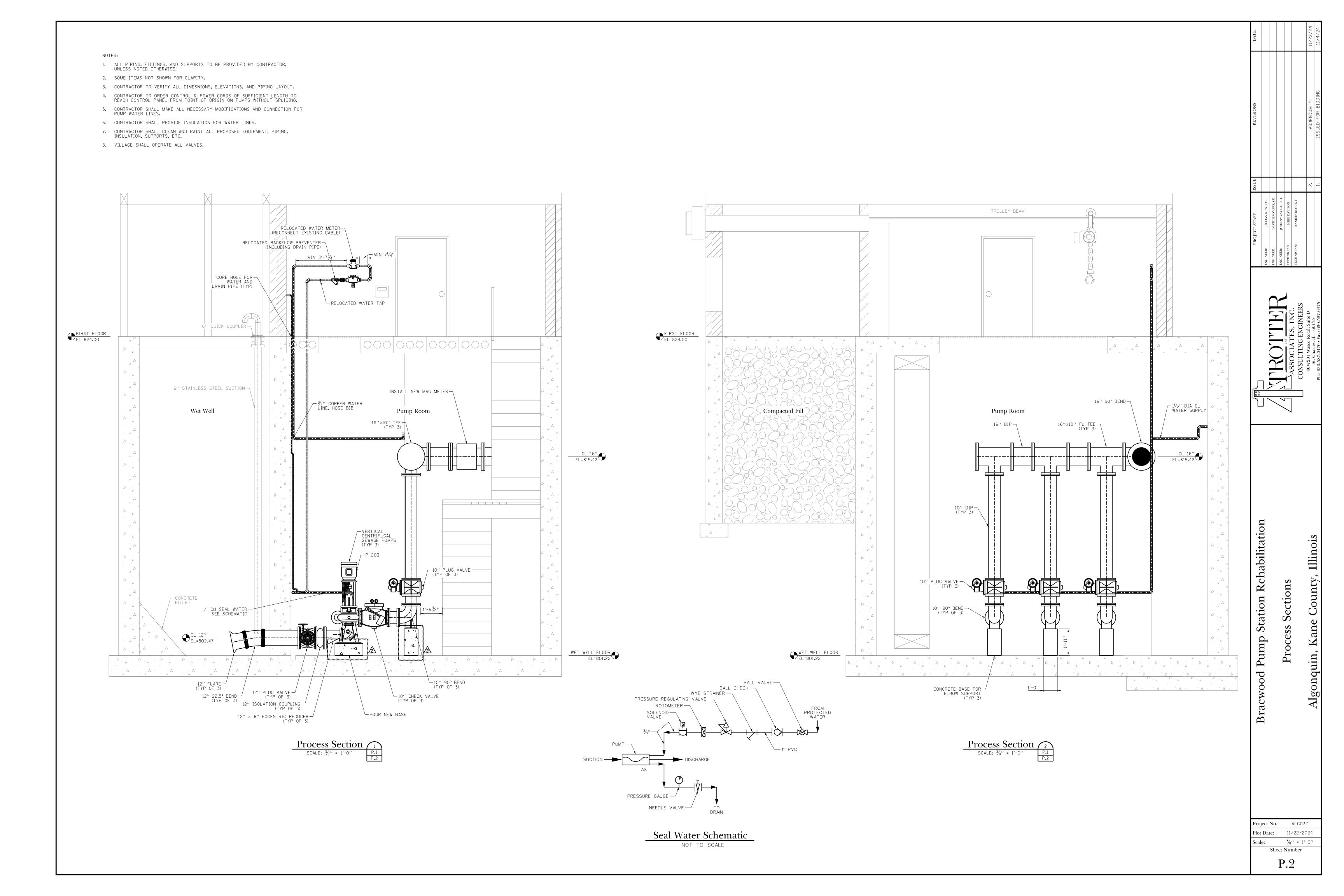
2. WIRELESS REMOTE THERMOSTAT.

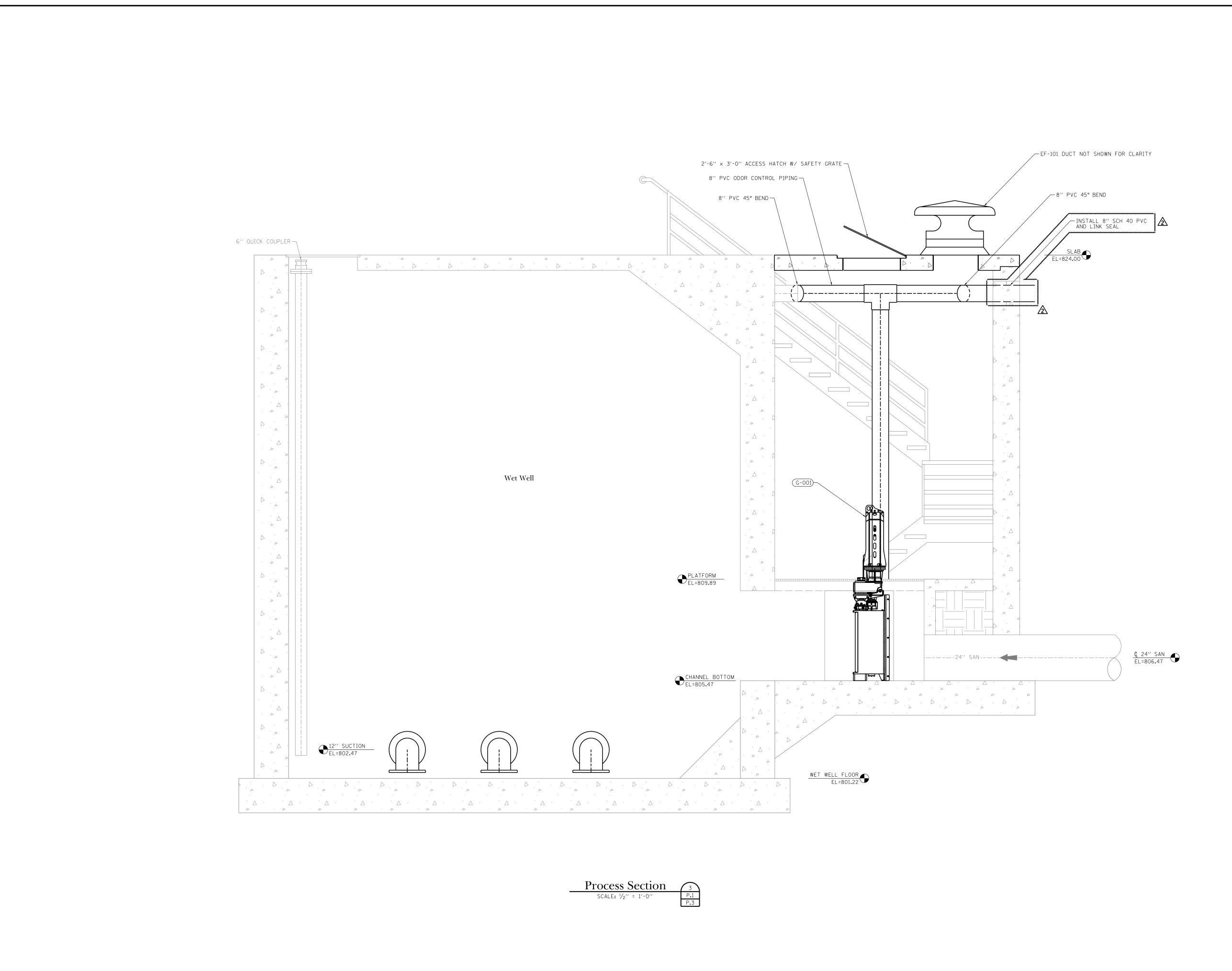
Rehabilitation Control Room HV

Project No.: ALG037 Plot Date: 11/22/2024 $\frac{3}{8}$ " = 1'-0"

> Sheet Number M.1







NOTE:

CONTRACTOR TO VERIFY ALL DIMENSIONS, ELEVATIONS, AND PIPING LAYOUT.
 SOME ITEMS NOT SHOWN FOR CLARITY.

Project No.: ALG037

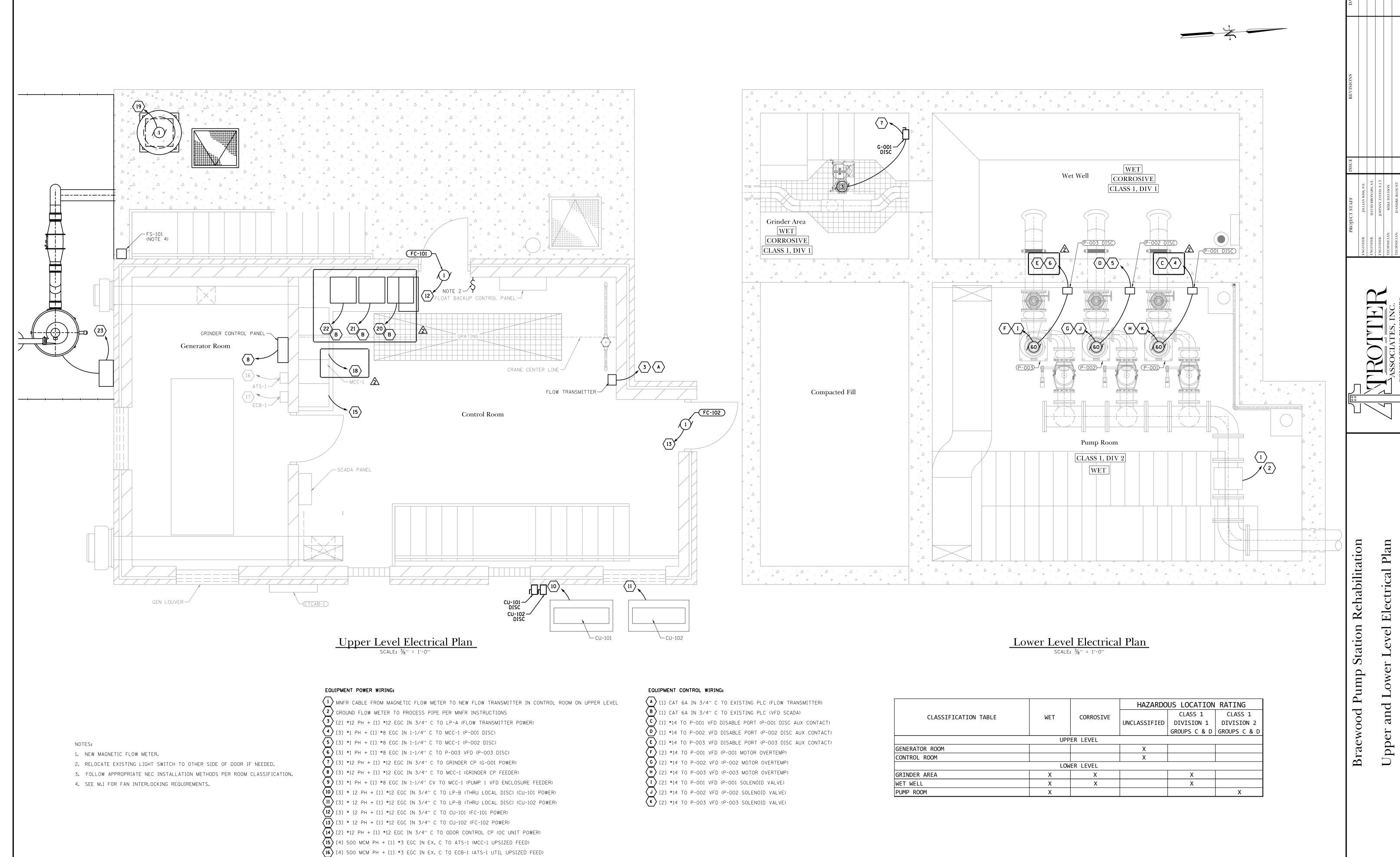
Plot Date: 11/22/2024

Scale: 1/2" = 1'-0"

Sheet Number

P.3

Braewood Pump Station Rehabilitation



(17) [4] 500 MCM PH + [1] #3 EGC IN EX. C TO CTCAB-1 (ECB-1 UPSIZED FEED)

(33) #12 PH + [1] #12 EGC IN 3/4" C TO MCC-1 (OC CONTROL PANEL FEEDER)

(18) [3] #8 PH + [1] #10 EGC IN 1-1/4" C TO LP-A (LP-B FEEDER)

(19) [2] #12 PH + [1] #12 EGC IN 3/4" C TO LP-A (EF-1 FEEDER)

(20) [3] #1 PH + [1] #8 EGC IN 1-1/4" C TO MCC-1 (VFD-001 FEEDER)

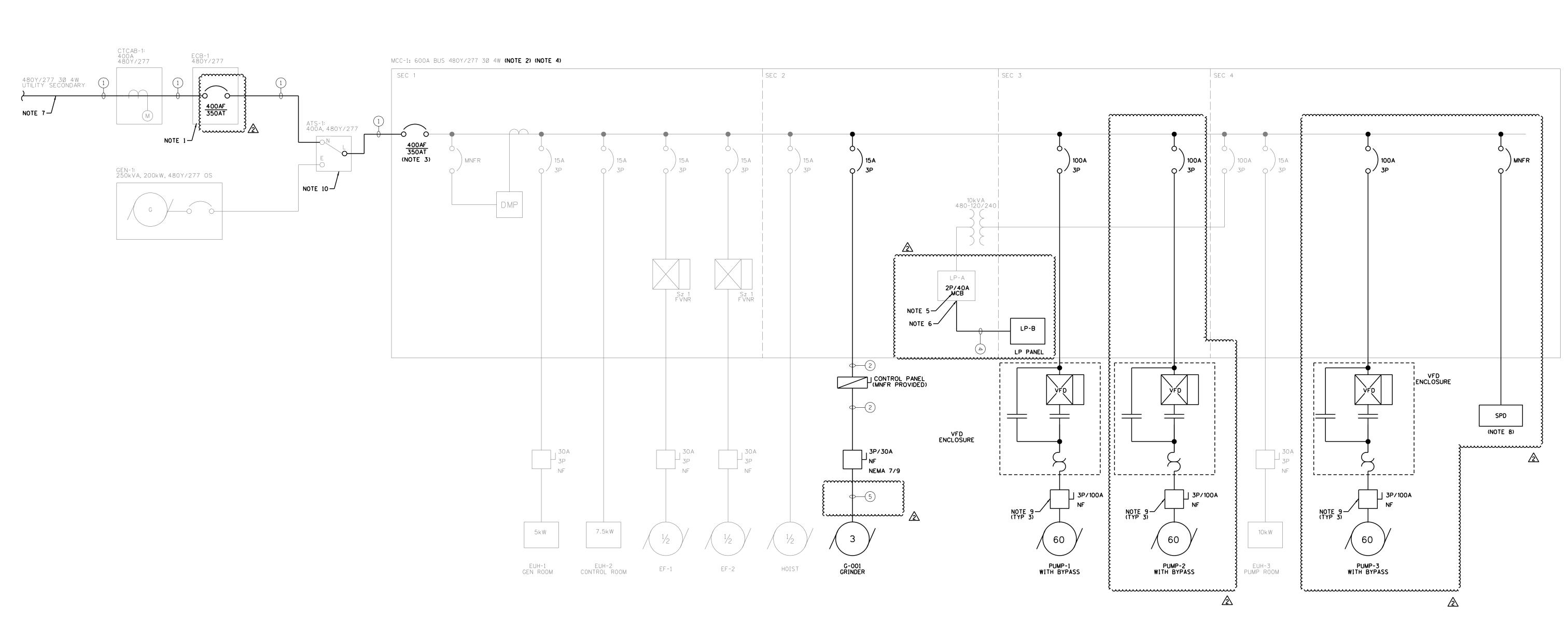
(21) [3] #1 PH + [1] #8 EGC IN 1-1/4" C TO MCC-1 (VFD-002 FEEDER)

(22) [3] #1 PH + [1] #8 EGC IN 1-1/4" C TO MCC-1 (VFD-003 FEEDER)

Project No.: ALG037

Plot Date: 11/22/2024Scale: $\frac{3}{8}$ " = 1'-0"
Sheet Number

E.



One-Line Diagram

FEEDER SCHEDULE (NEW U.N.O):

(1)[4] #500MCM PH + [1] #3 EGC IN EX. 3" C

(2 [3] #12 PH + [1] #12 EGC IN 3/4" C

MAGNETIC DIALS PER UPDATED POWER STUDY.

(3 [3] #1 PH + [1] #8 EGC IN 1-1/4" C

(4 [3] #8 PH + [1] #10 EGC IN 3/4" C 15 MNFR CABLE

REFERENCED NOTES:

- 1. EXISTING ECB-1 CONTAINS A 400AF/300AT THERMAL MAG BREAKER, EATON PART NUMBER 'KD3300'. INSTALL NEW 'KD3350' 400AF/350AT BREAKER WITH 'TA350K' TERMINAL (QTY 6) IN EXISTING BREAKER ENCLOSURE. SET
- 2. THERE IS A DISCREPANCY BETWEEN NUMBER OF WIRES (3W OR 4W) BETWEEN LIFT STATION AS-BUILTS AND MCC-1 FACTORY SHOP DRAWINGS. THIS DRAWING SET ASSUMES 4W. FIELD-VERIFY IF THERE IS A NEUTRAL BUS PRESENT IN MCC-1 AND SUBMIT NEW BUCKETS ACCORDINGLY. CONFIRM WITH NOTE IN SUBMITTAL.
- 3. PROVIDE NEW 400AF/350AT MAIN CIRCUIT BREAKER IN EXISTING BUCKET. INSPECT LOAD SIDE CONNECTION HARDWARE FOR MECH/HEAT DAMAGE AND REPLACE AS NEEDED. SEE NOTE 4 FOR CONTACT. SET MAGNETIC DIALS PER UPDATED POWER STUDY.
- 4. MCC-1 MODS CONTACT: GEORGE LONG, GLONG@REVEREELECTRIC.COM, 312-528-2313.
- 5. INTEGRAL PANELBOARD IS 120/240V 1PH. REPLACE EXISTING 2P/30A MCB WITH 2P/40A.
- 6. ALL LP-A CIRCUITS ARE IN USE. CONTRACTOR TO REMOVE TWO CIRCUITS AND REPLACE WITH A NEW 2P/40A BREAKER TO FEED NEW EXTERNAL LP-B. THEN RE-FEED THE TWO REMOVED CIRCUITS OUT OF NEW PANEL LP-B. SEE SCHEDULE ON THIS SHEET FOR OTHER NEW LOADS IN LP-B. THIS DRAWING SET SHOWS 'CONTROL ROOM LIGHTS' AND 'CONTROL ROOM RECEPTACLES' AS THE TWO RE-FED CIRCUITS. CONTRACTOR TO NOTIFY EOR SHOULD THEY WANT TO RE-FEED DIFFERENT TWO CIRCUITS (BASED ON FIELD CONDITIONS) SO THAT SCHEDULES CAN BE UPDATED. PROVIDE NEW TYPED DIRECTORY FOR INTEGRAL PANEL LP-A ON INSIDE OF MCC DOOR.
- 7. SEE SHEET C.1 FOR LOCATION OF UTILITY TRANSFORMER. COORDINATE WITH COMED ON NEW SECONDARY TERMINATIONS AND POTENTIALLY SWAPPING CT'S (DONUTS) INSIDE EXISTING CT CABINET.
- 8. SEE SPEC 26 43 13 FOR SPD REQUIREMENTS.
- 9. PROVIDE AUX CONTACT WITH DISCONNECT AND WIRE TO UPSTREAM VFD SUCH THAT VFD DISABLES UPON SWITCH OPENING. TYPICAL FOR [3] 100A HD DISCONNECTS.
- 10. EXISTING LUGS IN ATS-1 ARE UNVERIFIED. PROVIDE NEW LUGS TO ACCEPT SINGLE 500'S AS NEEDED ON NORMAL-SIDE AND LOAD-SIDE.

GENERAL NOTES:

- G1. SEE SHEET D.5 FOR ELECTRICAL DEMOLITION ONE-LINE AND DEMOLITION MCC ELEVATION.
- G2. RETREIVE LIFT STATION POWER STUDY AND COORDINATE WITH PSS ENGINEER ON INCORPORATING UPSIZED LOADS AND NEW FEEDERS. SUBMIT UPDATED STUDY UNDER SPEC 26 05 73. SEE SPEC FOR FULL REQUIREMENTS.

	SEC 1	SEC 2	SEC 3	SEC 4
		}		
	MAIN BREAKER	HOIST GRINDER	PUMP 1 VFD FEEDER	
		LIGHTING		
	SUBMETER	PANEL LP-A	PUMP 2 VFD FEEDER	
	EUH-1			XFMR PR1
	EUH-2		LP-B	EUH-3
	EF-1			
				PUMP 3 SPD VFD FEED
	EF-2	XFMR		VFD SPD FEED
CONCRETE PAD		1		
W/ 1" CHAMFER				
	/			

MCC-1 Elevation
N.T.S.

BRANCH PANEL NAME		TAG	-	VOLTAGE	BUS S	SIZE	-		MAIN OCP		
LIFT STATION LP PANEL #2		LP-E	3	120/240 1PH 3W	100	100A			MLO		
FED FROM: LP-A									MOUNTING: SURFACE		
IC: 10kAIC									ENCLOSURE: NEMA 1		
	В	REAKI	ER			В	BREAKER				
LOAD	POLE TRIP CKT		А	В	CKT	TRIP		LOAD			
CONTROL ROOM LIGHTS	1	20	1	0.12	1.26	2	20	1	CONTROL ROOM RECEPTACLES		
CU 101	2	20	3	1.08	1.08	4	20	20	CU 102		
CU-101	2	20	5	1.08	1.08	6	20	20	CONTROL ROOM RECEPTACLES CU-102 SPARE		
001.101	2	20	7	0.50		8	20	1	SPARE		
0CU-101		2 20 9 0.	0.5	10	20	1	SPARE				
SPACE	1	20	11			12	20	1	SPACE		
CONNECTED LOAD PER	PHAS	E (k	VA)	2.78	3.92						

Rehabilitation

Project No.:	ALG037	
Plot Date:	11/22/2024	
Scale:	N.T.S.	

Sheet Number