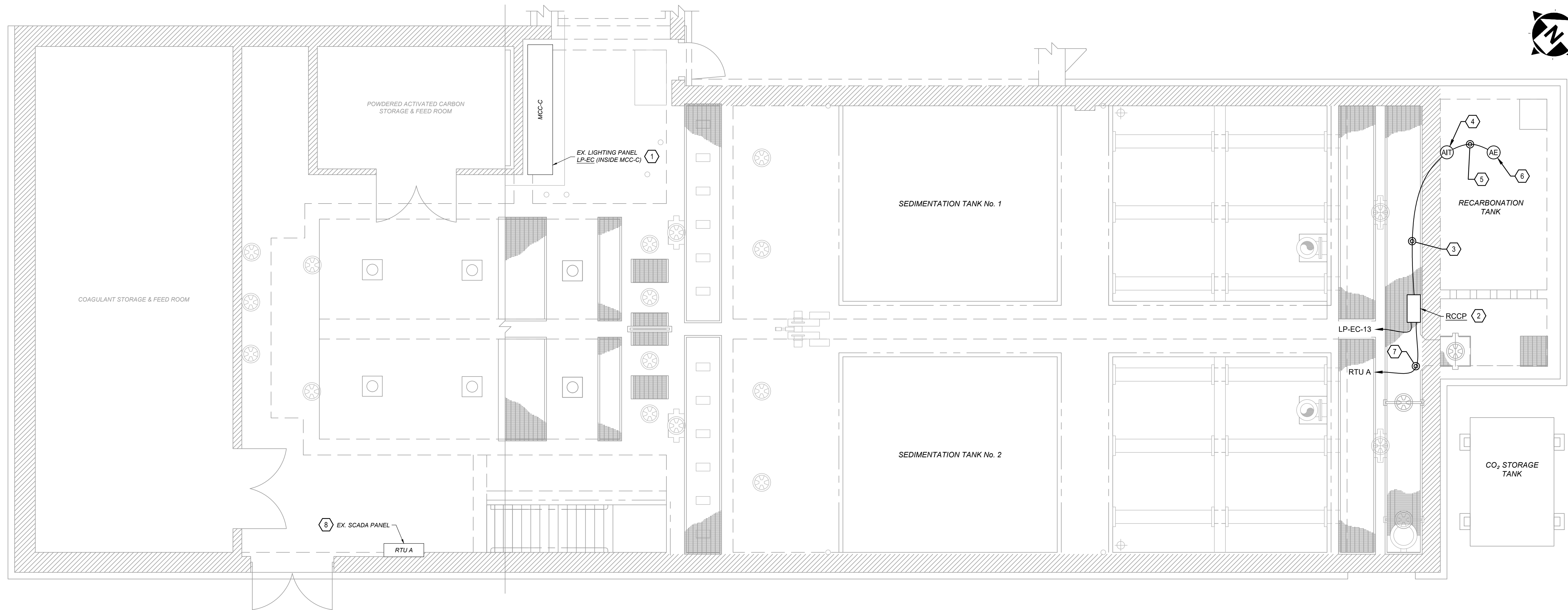
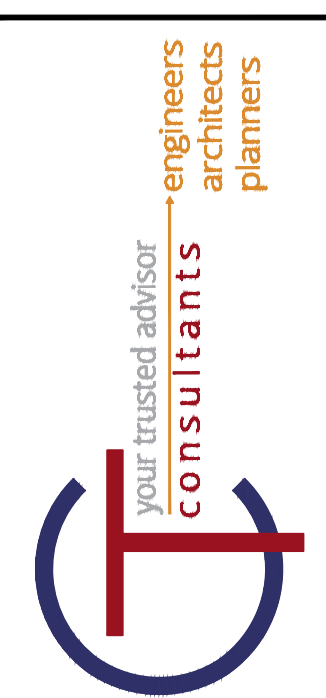


BID



**WATER TREATMENT PLANT, PARTIAL PLAN  
PRE-TREATMENT AREA**

SCALE: 1/4" = 1'

**GENERAL NOTES:**

- ALL CONDUIT TO BE PVC COATED RMC UNLESS OTHERWISE NOTED. FLEXIBLE CONDUIT (WHERE NEEDED) TO BE LFMC.

**(X) CODED NOTES:**

- WIRE NEW PANEL TO SPARE CIRCUIT IN LP-EC INSIDE MCC-C. (2) #12 + (1) #12 GND IN 3/4" C.
- RECARBONATION CONTROL PANEL "RCCP". VENDOR SUPPLIED. INSTALLED BY CONTRACTOR ALONG NORTHEAST WALL. MOUNT TO WALL OR GRATING AS REQUIRED.
- (1) 2-C SHLD CABLE IN 3/4" C. TERMINATE IN RCCP PER VENDOR DRAWINGS
- pH TRANSMITTER, VENDOR SUPPLIED. INSTALLED BY CONTRACTOR ALONG EXTERIOR WALL NEAR pH PROBE PORT IN RECARBONATION TANK. ROSEMOUNT 1066 OR EQUAL.
- FACTORY CABLE FOR pH PROBE IN 3/4" C.
- pH PROBE, VENDOR SUPPLIED, CONTRACTOR INSTALLED. COIL AT LEAST 5 FT OF SPARE CABLE BEFORE ENTRANCE TO CONDUIT. SEAL WITH APPROPRIATELY SIZED CABLE GLAND.
- CAT. 6 ETHERNET CABLE IN 3/4" C. TO EXISTING SCADA PANEL "RTU A". VERIFY CABLE REQUIREMENTS WITH APPROVED EQUIPMENT SHOP DRAWINGS.
- EXISTING SCADA PANEL RTU A. COORDINATE WITH SYSTEMS INTEGRATOR TO MODIFY PANEL AS NECESSARY TO PROVIDE REMOTE MONITORING AND CONTROL OF THE NEW RCCP.

PANELBOARD	LP-EC
PANEL TYPE	S3
NEMA TYPE	NEMA 1
VOLTAGE	240V/120V
OCPD	90A
MOUNTING	INTEGRATED INTO MCC
PHASE	1
WIRE	3
BUSS	100A

LOAD DESCRIPTION	BKR.	CKT. NO.	PHASE	CKT. NO.	BKR.	LOAD DESCRIPTION
PRE-TREATMENT DWNST LTS	20/1	1	A	2	20/1	PRE-TREATMENT RCPTS
PRE-TREATMENT UPST LTS	20/1	3	B	4	20/1	KmNO4 CONTROL PANEL
OFFICE / LAB LTS	20/1	5	A	6	20/1	DAY TANK CONTROL PANEL & INST
EXTERIOR LTS	20/1	7	B	8	20/1	ALUM PUMP
EXTERIOR LTS	20/1	9	A	10	20/1	ALUM PUMP
SPARE	20/1	11	B	12	20/1	RTU C
RECARB CONTROL PANEL	20/1	13	A	14	20/1	NL BASEMENT
SPARE	20/1	15	B	16	20/1	KmNO4 PUMP
SPARE	20/1	17	A	18	20/1	KmNO4 MIXER
SPARE	20/1	19	B	20	20/1	SPARE
SPARE	20/1	21	A	22	20/1	SPARE
SPARE	20/1	23	B	24	20/1	SPARE
SPARE	20/1	25	A	26	20/1	SPARE
SPARE	20/1	27	B	28	20/1	SPARE
SPARE	20/1	29	A	30	20/1	SPARE

**LIGHTING PANEL LP-EC SCHEDULE**

NOTE:  
NEW EQUIPMENT IN BOLD TYPE.

ISSUED FOR:	REVIEW	DATE	4/08/2020
REVISIONS	REV. DESCRIPTION	DATE	
	ADDENDUM 3		
ISSUE DATE:	03/13/2020	DESIGNED BY:	JPB
SCALE:		DRAWN BY:	JPB
		CHECKED BY:	NSS

VILLAGE OF CADIZ, OHIO  
 WATER TREATMENT PLANT HAB IMPROVEMENTS  
 HARRISON COUNTY  
 WATER TREATMENT PLANT  
 CADIZ, OHIO  
 RECARB SYSTEM ADDITIONS

PROJECT NO.	190599
DISCIPLINE	ELECTRICAL
SHEET NAME	E-08
SHEET	41
OF	46