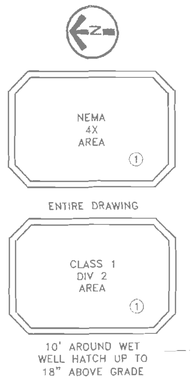
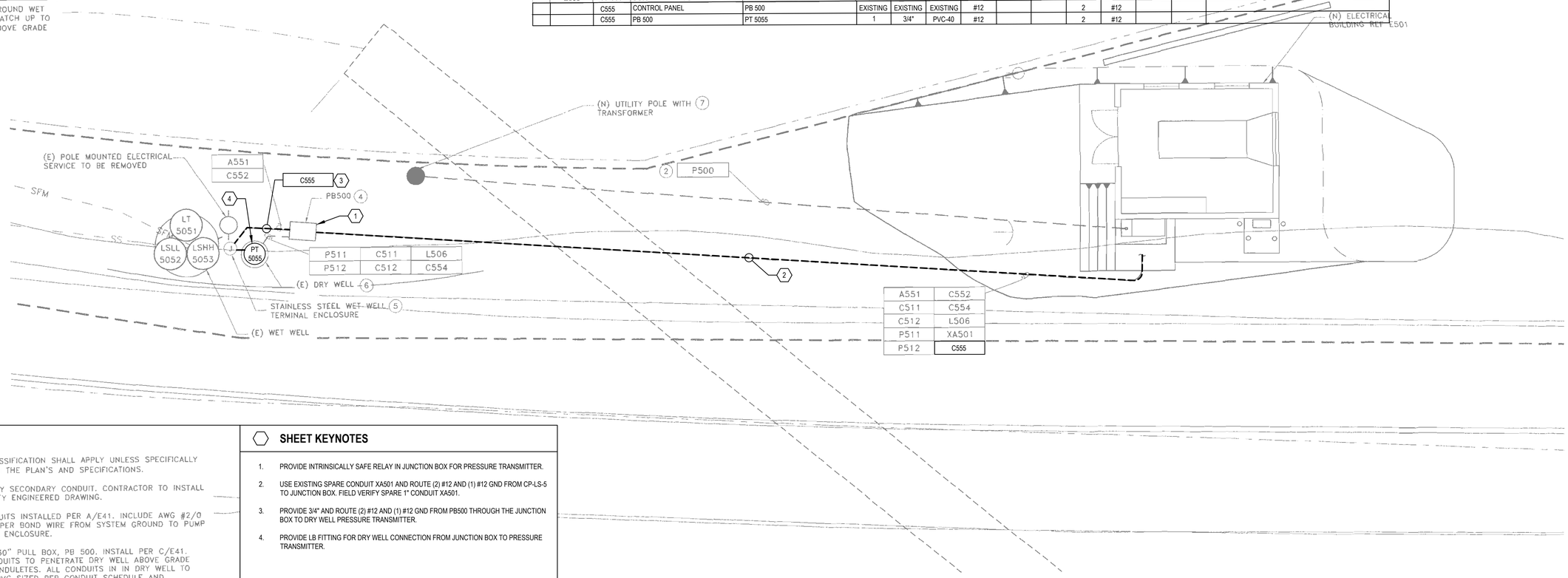
REVISION	DESCRIPTION	BY	APP	CITY	DATE

REV	PLAN DWG	CONDUIT	FROM	TO	CONDUIT QTY	CONDUIT SIZE	TYPE	GROUND WIRE	POWER QTY	POWER SIZE	CONTROL QTY	CONTROL SIZE	SIGNAL QTY	SIGNAL SIZE	REMARKS
	E500	A551	CONTROL PANEL	WET WELL VIA PB 500	1	1"	GRS-PVC	#12	-	-	-		1	#16TSPR	
	E501	C502	GENERATOR	ATS	1	1"	PVC-40	#12	-	-	6	#14	-		
	E501	C503	GENERATOR	FILL ALARM PANEL	1	1"	PVC-40	-	-	-	-		-	-	MFG CABLE
	E501	C504	GENERATOR	CONTROL PANEL	1	1"	PVC-40	#12	-	-	8	#14	-		
	E501	C505	GENERATOR	MOTORIZED LOUVER	1	1"	PVC-40	#12	2	#12	-	-	-	-	MFG CABLE
	E500	C511	MCC	DRY WELL PMP 511 VIA PB 500	1	1"	PVC-40	#12	-	-	6	#14	-	-	
	E500	C512	MCC	DRY WELL PMP 512 VIA PB500	1	1"	PVC-40	#12	-	-	6	#14	-	-	
	E500	C552	CONTROL PANEL	WET WELL VIA PB 500	1	1"	PVC-40	#12	-	-	4	#14	-	-	
	E501	C554	PB 500	LSHH5054	1	1"	PVC-40	#12	-	-	2	#14	-	-	FLOOD SWITCH, INSTALL PER A/E042
	E501	D500	CONTROL PANEL	ANTENNA	1	2"	GRS-PVC	-	-	-	-	-	1	COAX	
	E501	D501	CONTROL PANEL	J-BOX	1	1"	PVC-40	-	-	-	-	-	-	-	PULL ROPE
	E500	L504	LIGHTING PANEL	EXHAUST FAN	1	1"	PVC-40	#12	2	#12	-	-	-	-	
	E500	L505	LIGHTING PANEL	GENERATOR	1	1"	PVC-40	#12	4	#10	-	-	-	-	
	E500	L506	LIGHTING PANEL	DRY WELL VIA PB 500	1	1"	PVC-40	#12	4	#10	-	-	-	-	DRY WELL LIGHTS/RECEPT
	E500	L510	LIGHTING PANEL	EUH-5000	1	1"	PVC-40	#12	2	#10	-	-	-	-	
	E501	L516	LIGHTING PANEL	FILL STATION	1	1"	PVC-40	#12	2	#12	-	-	-	-	
	E500	P500	(N) UTILITY POLE	UTILITY METER	1	5"	PVC-40	-	-	-	-	-	-	-	PER UTILITY REQUIREMENTS/ENGINEERED DWG'S
	E501	P501	ATS	MCC	2	3"	PVC-40	#4	3	3/0	-	-	-	-	
	E501	P502	GENERATOR	ATS	2	3"	PVC-40	#4	3	3/0	-	-	-	-	
	E500	P511	MCC	DRY WELL PMP 511	1	2"	PVC-40	#4	3	1/0	-	-	-	-	
	E500	P512	MCC	DRY WELL PMP 512	1	2"	PVC-40	#4	3	1/0	-	-	-	-	
	E500	XA501	CONTROL PANEL	PB 500	1	1"	GRS-PVC	-	-	-	-	-	-	-	PULL ROPE
		C555	CONTROL PANEL	PB 500	EXISTING	EXISTING	EXISTING	#12			2	#12			
		C555	PB 500	PT 5055	1	3/4"	PVC-40	#12			2	#12			





NOTES:

1. AREA CLASSIFICATION SHALL APPLY UNLESS SPECIFICALLY NOTED ON THE PLAN'S AND SPECIFICATIONS.
2. (N) UTILITY SECONDARY CONDUIT. CONTRACTOR TO INSTALL PER UTILITY ENGINEERED DRAWING.
3. (N) CONDUITS INSTALLED PER A/E41. INCLUDE AWG #2/0 BARE COPPER BOND WIRE FROM SYSTEM GROUND TO PUMP DRY WELL ENCLOSURE.
4. (N) 24"X30" PULL BOX, PB 500. INSTALL PER C/E41. NEW CONDUITS TO PENETRATE DRY WELL ABOVE GRADE USING CONDULETES. ALL CONDUITS IN IN DRY WELL TO BE GRS-PVC SIZED PER CONDUIT SCHEDULE AND MOUNTED ON STAINLESS STEEL UNISTRUT SECURED WITH STAINLESS STEEL HARDWARE. CONDUIT STUB UP PER D/E42.
5. 24"HX24"WX12"D MIN. INSTALL ISR'S & ISB PER P&ID IN SEPARATE NEMA 1 ENCLOSURE INSIDE SS JB. PROVIDE TERMINALS FOR MOTOR LEADS. MOUNT JB ON DOUBLE SIDED STAINLESS STEEL UNISTRUT MIN 18". PROVIDE GRS-PVC CONDUIT CHASES TO WET WELL ABOVE TOP OF WET WELL PROVIDE CONDUIT SEAL OFFS PER NEC.
6. CONNECT NEW CONDUITS TO (E) MOTOR AND LIGHTING DEVICES. USE FLEX FOR FINAL CONNECTIONS AS NECESSARY. DEMO (E) MOTOR CONTROLS AND DISTRIBUTION EQUIPMENT.
7. UTILITY POLE & TRANSFORMER INSTALLED BY UTILITY.

SHEET KEYNOTES

1. PROVIDE INTRINSICALLY SAFE RELAY IN JUNCTION BOX FOR PRESSURE TRANSMITTER.
2. USE EXISTING SPARE CONDUIT XA501 AND ROUTE (2) #12 AND (1) #12 GND FROM CP-LS-5 TO JUNCTION BOX. FIELD VERIFY SPARE 1" CONDUIT XA501.
3. PROVIDE 3/4" AND ROUTE (2) #12 AND (1) #12 GND FROM PB500 THROUGH THE JUNCTION BOX TO DRY WELL PRESSURE TRANSMITTER.
4. PROVIDE LB FITTING FOR DRY WELL CONNECTION FROM JUNCTION BOX TO PRESSURE TRANSMITTER.

ELECTRICAL SITE PLAN

SCALE: 1" = 10'

0 10' 20'

No.	Issue	Checked	Approved	Date

Author **JH** Drafting Check **MM** Project Manager **CR**
Designer **JH** Design Check **MM** Project Director **LW**

CITY OF COLFAX

Bar is one inch on original size sheet
0 1"

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Client **CITY OF COLFAX**

Project **LIFT STATION 5 FORCE MAIN IMPROVEMENTS**

Project No. **11201706** Date **SEPTEMBER 2021** Scale **NTS**

Title **ELECTRICAL SITE PLAN**

Size **ARCH D**

Sheet No. **E1** Sheet 6 of 8