INDEX OF SHEETS

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- 4 MT. PULASKI PUMP STATION ELECTRICAL LEGEND
- 5 MT. PULASKI PUMP STATION ELECTRICAL PLAN AND DETAILS
- 6 MT. PULASKI PUMP STATION ELECTRICAL ONE-LINE DIAGRAM, ELEVATION AND SCHEDULES

7 MT. PULASKI PUMP STATION ELECTRICAL CONTROL DIAGRAM

HIGHWAY STANDARDS

000001-07 STANDARD SYMBOLS, ABBREVIATIONS AND PATTERNS 701201-05 TRAFFIC CONTROL AND PROTECTION, STANDARD 701201

FULL SIZE PLANS HAVE BEEN PREPARED USING STANDARD ENGINEERING SCALES. REDUCED SIZED PLANS WILL NOT CONFORM TO STANDARD SCALES. IN MAKING MEASUREMENTS ON REDUCED PLANS, THE ABOVE SCALES MAY BE USED.

JULIE.
JOINT UTILITY LOCATION INFORMATION FOR EXCAVATION
1-800-892-0123
OR 811

PROJECT MANAGER: MICHAEL IRWIN, PE SQUAD LEADER: TIMOTHY SHARP 217-524-7165 217-524-9160

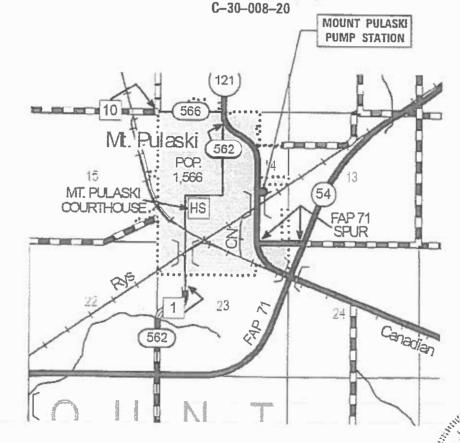
CONTRACT NO. 46921

STATE OF ILLINOIS

DEPARTMENT OF TRANSPORTATION

PROPOSED HIGHWAY PLANS

F.A.P. 320 (IL 121)
SECTION D6 PUMP STATION 2019 - 1
NEW AUTOMATIC TRANSFER SWITCH
AND MISC. IMPROVEMENTS
LOGAN COUNTY



LOGAN COUNTY
GROSS LENGTH = N/A
NET LENGTH = N/A

JOHN J. NEYENS DATE
REGISTERED PROFESSIONAL ENGINEER

062.083295

REGISTERED

PREFECCIONAL

JOHN J. NEYENS
REGISTERED PROFESSIONAL ENGINEER
STATE OF ILLINOIS NO. 062-063295
LICENSE EXPIRES NOVEMBER 30, 2019

D-10



PLANS PREPARED BY

& ASSOCIATES, P.C.

Engineers · Architects · Surveyors

Q Uincy, Minois www.kingner.com 616 harm 34th Stree Calentary, 12. Burlangto, M. 517 223, 3570 Phys. II. Pernhalt, MO Caumba, MO STATE OF ILLINO.5 DESIGN FIRM NO. 184-2736

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

SUBMITTED

20

PEGIONAL ENGINEER

ENGINEER UF DESIGN AND ENVIRONMENT

DIRECTOR AND CONTRACT OF LABOR ATION

PRINTED BY THE AUTHORITY OF THE STATE OF ILLINOIS

REV. - M

- 1. PLAN DIMENSIONS AND DETAILS RELATIVE TO EXISTING STRUCTURES HAVE BEEN TAKEN FROM EXISTING PLANS AND ARE SUBJECT TO NOMINAL CONSTRUCTION VARIATIONS. IT SHALL BE THE CONTRACTOR'S RESPONSIBILITY TO VERIFY SUCH DIMENSIONS AND DETAILS IN THE FIELD, AND MAKE NECESSARY APPROVED ADJUSTMENTS PRIOR TO CONSTRUCTION OR ORDERING MATERIALS.
- 2. THE CONTRACTOR SHALL SECURE ANY LOCAL, STATE, COUNTY PERMITS NEEDED FOR THIS PROJECT.
- 3. THE CONTRACTOR SHALL PERFORM ALL CONSTRUCTION FOR THE PROJECT IN A MANNER AND SEQUENCE THAT ARE BASED ON ACCEPTED INDUSTRY STANDARDS THAT RECOGNIZE THE INTERACTION OF THE COMPONENTS THAT COMPRISE THE STRUCTURE, WITHOUT CAUSING DISTRESS, UNANTICIPATED MOVEMENTS OR IRREGULAR LOAD PATHS AS A RESULT OF THE CONSTRUCTION MEANS AND METHODS EMPLOYED.
- 4. UTILITIES LOCATIONS / INFORMATION ON PLANS

ILLINOIS STATE LAW REQUIRES A 48-HOUR NOTICE TO BE GIVEN TO UTILITIES BEFORE DIGGING. FIELD MARKING OF FACILITIES MAY BE OBTAINED BY CONTACTING J.U.L.I.E. OR FOR NON-MEMBERS, THE UTILITY COMPANY DIRECTLY. AGENCIES KNOWN TO HAVE FACILITIES WITHIN THE PROJECT AREA ARE AS FOLLOWS:

* AMEREN ILLINOIS

MEMBERS OF J.U.L.I.E. CALL TOLL FREE (800) 892-0123 OR 811 AND ARE INDICATED BY *. NON-J.U.L.I.E. MEMBERS MUST BE NOTIFIED INDIVIDUALLY

- 5. IT IS THE CONTRACTOR'S RESPONSIBILITY TO ENFORCE ALL APPLICABLE SAFETY CODES AND REGULATIONS DURING ALL PHASES OF CONSTRUCTION.
- 6. ALL CONTRACTORS ARE REQUIRED TO EXAMINE THE DRAWINGS AND SPECIAL PROVISIONS CAREFULLY, VISIT THE SITE AND FULLY INFORM THEMSELVES AS TO ALL EXISTING CONDITIONS AND LIMITATIONS, PRIOR TO AGREEING TO PERFORM THE WORK. FAILURE TO VISIT THE SITE AND FAMILIARIZE THEMSELVES WITH THE EXISTING CONDITIONS AND LIMITATIONS WILL IN NO WAY RELIEVE THE CONTRACTOR FROM FURNISHING ANY MATERIALS OR PERFORMING ANY WORK IN ACCORDANCE WITH THE DRAWINGS AND SPECIFICATIONS WITHOUT ADDITIONAL COST TO THE OWNER.
- 7. DURING CONSTRUCTION THE CONTRACTOR SHALL BE RESPONSIBLE FOR MAINTENANCE OF THE EXISTING PUMP STATION BUILDING.
- 8. DRAWINGS ARE NOT TO SCALE, UNLESS NOTED OTHERWISE.
- 9. THE DEPARTMENT RESERVES THE RIGHT TO NOTIFY THE CONTRACTOR TO CHANGE THE CONSTRUCTION SCHEDULE IF NEEDED TO ENSURE PROPER DEWATERING NEEDS FOR THE
- 10. THE DEPARTMENT STRONGLY ENCOURAGES THE PRIME CONTRACTOR AND THEIR APPROVED SUB-CONTRACTORS TO HIRE MINORITY, WOMEN AND DISADVANTAGED INDIVIDUALS FROM ITS FEDERALLY FUNDED HIGHWAY CONSTRUCTION CAREERS TRAINING PROGRAM (HCCTP) TO HELP MEET WORKFORCE AND TRAINEE GOALS. THIS PROGRAM IS TRAINING MINORITIES, WOMEN AND DISADVANTAGED INDIVIDUALS IN HIGHWAY CONSTRUCTION RELATED SKILLS, E.G., MATH FOR THE TRADES, JOB READINESS, TECHNICAL SKILLS COURSEWORK (CARPENTRY, CONCRETE FLATWORK, BLUEPRINT READING, SITE PLANS, SITE WORK, TOOLS USE, ETC.) AND OSHA 10 HOUR CERTIFICATION TO PREPARE THEM FOR A CAREER IN THE HIGHWAY CONSTRUCTION TRADES, GRADUATES ARE WELL TRAINED AND READY TO BECOME PRODUCTIVE ENTRY LEVEL CONSTRUCTION WORKERS. CONTACT THE DISTRICT 8 EEO OFFICE AT 618-346-3360 AND/OR THE HCTP COORDINATOR AT 618-874-6528 TO LEARN MORE ABOUT THE PROGRAM AND FOR ASSISTANCE IN MEETING WORKFORCE AND TRAINEE GOALS.
- 11. DURING DEMOLITION AND CONSTRUCTION, THE CONTRACTOR SHALL USE TRAFFIC CONTROL AND PROTECTION STANDARD 701201, AS DIRECTED BY THE ENGINEER.

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616 N.24TH ST. QUINCY, ILLINOIS 62301 217 223 3670 STATE OF ILLINOIS DESIGN FIRM NO. 184-2738	
	& ASSOCIATES, P.C. Engineers · Architects · Surveyors 610 N.24TH ST. OUNCY, ILLINOIS 62001 217.223.3670

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	F.A.P.	SECTION	COUNTY	TOTAL	SHEET
OFNIFRAL NOTES	RTE.	SECTION	COUNTT	SHEETS	NO.
GENERAL NOTES	320	D6 PUMP STATION 2019	LOGAN	7	2
			CONTRAC	T NO. 4	46921
SCALE: NONE SHEET 1 OF 1 SHEETS STA. TO STA.		ILLINOIS FED. AI	D PROJECT		

ILLINOIS DEPARTMENT OF TRANSPORTATION

SUMMARY OF QUANTITIES

			100% STATE	CONSTR	UCTION TYPE CODE
			TOTAL	LOGAN	
CODE NO.	ITEM	UNIT	QUANTITY	0044	
67100100	MOBILIZATION	L SUM	1	1	
70100450	TRAFFIC CONTROL AND PROTECTION, STANDARD 701201	L SUM	1	1	
K0783300	PUMP STATION ELECTRICAL WORK	L SUM	1	1	

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1702	KLINGNER	US
les	& ASSOCIATES, P.C.	
17f.	Engineers • Architects • Surveyors	Pl
0:\17	616 N.24TH ST. QUINCY, ILLINOIS 62301 217 223 3670 STATE OF ILLINOIS DESIGN FIRM NO. 184-2738	Pl

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			0118#		DV 05	O	-0	F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
			20INI	IVIA	RY OF	320	D D6 PUMP STATION 2019 LOGAN 7					
										CONTRAC	T NO.	46921
SCALE: NONE	SHEET	1	OF	1	SHEETS	STA.	TO STA.		ILLINOIS FED. A	D PROJECT		

ELECTRICAL SYMBOLS LOW-VOLTAGE CIRCUIT BREAKER. RATING AND NUMBER OF POLES AS SHOWN FUSE: SIZE AND NUMBER OF FUSES AS NOTED ----FUSIBLE SWITCH: CURRENT RATING, FUSE SIZE, AND QUANTITY AS INDICATED $\neg \neg \Box$ NON-FUSED SWITCH: CURRENT RATING, AND NUMBER OF POLES INDICATED DISCONNECT OR DRAWOUT CONNECTION MOTOR STARTER AND SEPARATELY MOUNTED COMBINATION MOTOR STARTER MOTOR CONTROLLER AND SEPARATELY MOUNTED MOTOR CONTROLLER WITH SHORT CIRCUIT PROTECTION AND DISCONNECT DISCONNECT MOTOR STARTER AND CONTROLLER SUBSCRIPTS: A. MOTOR STARTER NEMA SIZE B-STARTER TYPE FVNR- FULL VOLTAGE NON-REVERSING FVR- FULL VOLTAGE REVERSING 25- TWO SPEED RVAT- REDUCED VOLTAGE AUTO TRANSFORMER CD- CONTROL DIAGRAM D- CONTROLLER TYPE VFD- VARIABLE FREQUENCY DRIVE SS- SOLID STATE 30 NON-FUSED DISCONNECT OR SAFETY SWITCH. SIZE AND NUMBER OF POLES AS NOTED FUSED DISCONNECT OR SAFETY SWITCH. X INDICATES SIZE, Y INDICATES FUSE SIZE, AND NUMBER OF POLES AS NOTED СВ SEPARATELY MOUNTED CIRCUIT BREAKER 60 HP MOTOR WITH DESIGN HORSEPOWER GENERATOR TRANSFORMER Δ 3-PHASE, 3 WIRE DELTA CONNECTION γ 3-PHASE, 4 WIRE WYE CONNECTION $\exists \vdash$ VOLTAGE TRANSFORMER (VT OR PT) CURRENT TRANSFORMER TVSS TRANSIENT VOLTAGE SURGE SUPPRESSOR S SELECTOR SWITCH РΒ PUSH BUTTON IC INSTRUMENTATION/CONTROL DEVICE CONTROL PANEL

ELECT	RICAL SYMBOLS	<u>(</u>	CONTROL SYMBOLS
\$	LIGHT SWITCH	—	ELECTRICAL CONNECTION
\$ ×	LIGHT SWITCH, X WAY		NO ELECTRICAL CONNECTION
⊙	FLOOR BOX WITH DUPLEX RECEPTACLE	어Ю	NORMALLY OPEN CONTACT
©	FLOOR BOX FOR DATA/COMMUNICATION	01/40	NORMALLY CLOSED CONTACT
A	WALL BOX FOR DATA/COMMUNICATION	0,0	NORMALLY OPEN TIME DELAY RELAY CONTACT. CLOSES UPON TIME DELAY AFTER ACTIVATING COIL
€	DUPLEX RECEPTACLE OUTLET	070	NORMALLY CLOSED TIME DELAY RELAY CONTACT. OPENS UPON TIME DELAY AFTER ACTIVATING COIL
⊕ GFCI	DUPLEX RECEPTACLE OUTLET WITH GROUND FAULT INTERRUPTER	\$	NORMALLY OPEN TIME DELAY RELAY CONTACT. OPENS UPON TIME DELAY AFTER DE-ACTIVATING COIL
⊕ WP	WEATHERPROOF RECEPTACLE OUTLET WITH CFCI PROTECTION	010	NORMALLY CLOSED TIME DELAY RELAY CONTACT. CLOSES UPON TIME DELAY AFTER DE-ACTIVATING COIL
⊕ -	QUAD RECEPTACLE OUTLET	20	NORMALLY OPEN TEMPERATURE SWITCH: CLOSES ON RISING TEMPERATURE
`X:##	CIRCUITING NOTATION: X DENOTES PANEL AND ## DENOTES CIRCUIT NUMBER	070	NORMALLY CLOSED TEMPERATURE SWITCH: OPENS ON RISING TEMPERATURE
No. 27	DENOTES CIRCUITING FOR STANDARD ELECTRICAL DEVICES		NORMALLY OPEN FLOW SWITCH: CLOSES ON INCREASING FLOW
Е	UNDERGROUND ELECTRIC	0.0	NORMALLY CLOSED FLOW SWITCH: OPENS ON INCREASING FLOW
A	OVERHEAD ELECTRIC	20	NORMALLY OPEN LEVEL SWITCH: CLOSES ON INCREASING LEVEL
		े ७	NORMALLY CLOSED LEVEL SWITCH: OPENS ON INCREASING LEVEL
		20	NORMALLY OPEN PRESSURE SWITCH: CLOSES ON INCREASING PRESSURE
		070	NORMALLY CLOSED PRESSURE SWITCH: OPENS ON INCREASING PRESSURE
		~0	NORMALLY OPEN LIMIT SWITCH: CLOSES UPON REACHING LIMIT
		0-0	NORMALLY CLOSED LIMIT SWITCH: OPENS ON REACHING LIMIT
		DE C	MICROPROCESSOR INPUT
			MICROPROCESSOR OUTPUT
		oo	FIELD WIRING EXTERNAL TO CONTROL PANEL
		H O A X000	
			3-POSITION SELECTOR SWITCH, MAINTAINED CONTACTS
		O O oox	
		0 0	NORMALLY OPEN PUSHBUTTON, MOMENTARY CONTACT
		010	NORMALLY CLOSED PUSHBUTTON, MOMENTARY CONTACT
		• • • • • • • • • • • • • • • • • • • •	INDICATING LIGHT, X INDICATES COLOR
		0 00	PUSH TO TEST INDICATING LIGHT, X INDICATES COLOR: R- RED Y-YELLOW G- GREEN W-WHITE
		○/ •○	B-BLUE A- AMBER SOLENOID VALVE
		\propto	THERMAL OVERLOAD ELEMENT
		o}{o o∟	THERMAL OVERLOAD ELEMENT RELAY CONTACT
		ETM	ELAPSED TIME METER
		MSC	MOTOR STARTS COUNTER

							F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
			ELEC	TRICAL I	LEGEND		320	D6 PUMP STATION 2019	LOGAN	7	4
									CONTRAC	T NO. 4	46921
SCALE: NONE	SHEET	1 0	F 4	SHEETS	STA.	TO STA.		ILLINOIS FED. AI	D PROJECT		



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JUNCTION BOX

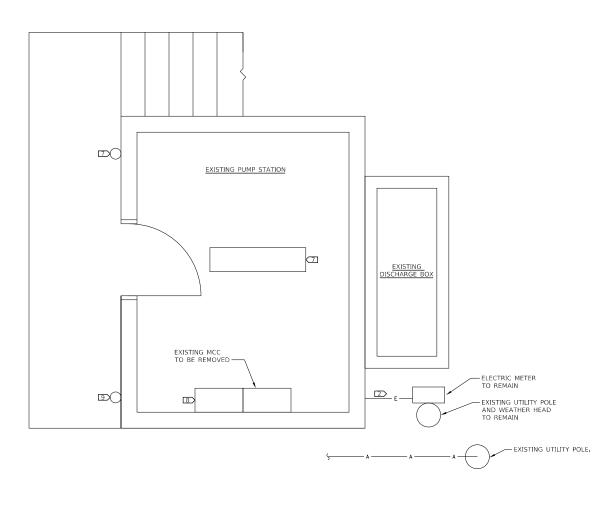
THERMOSTAT

PANELBOARD (250V-600V)

PANELBOARD (LESS THAN 250V)

DESIGNED JNN REVISED REVISED DRAWN BGJ CHECKED JNN REVISED REVISED DATE 10/3/2019

STATE OF ILLINOIS **DEPARTMENT OF TRANSPORTATION**



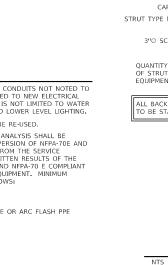
(APPLICABLE TO THIS SHEET ONLY)

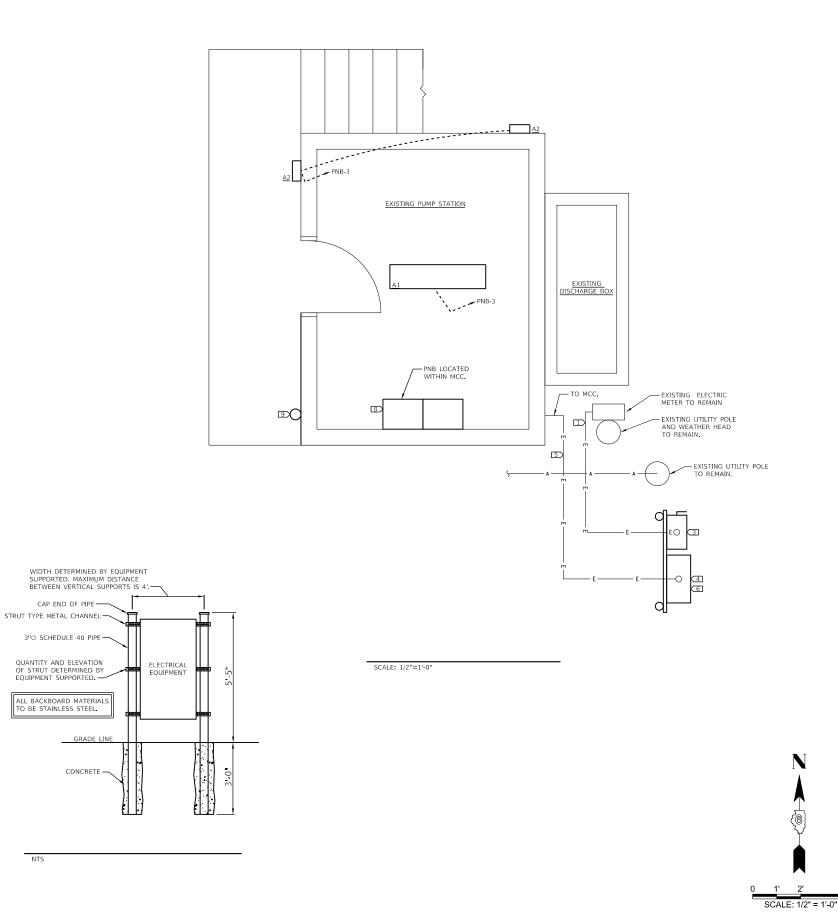
SCALE: 1/2"=1'-0"

- INSTALL NEW SERVICE ENTRANCE CONDUCTORS AS SHOWN
- REMOVE EXISTING SERVICE ENTRANCE CONDUCTORS/CONDUIT DOWNSTREAM OF EXISTING METER
- 3 NEW SERVICE DISCONNECT SWITCH.
- 4 NEW AUTOMATIC TRANSFER SWITCH.
- 5 INSTALL NEW FEEDER AS SHOWN.
- 6 NEW GENERATOR QUICK CONNECTION ENCLOSURE.
- REMOVE EXISTING LIGHT FIXTURE AND PREPARE CIRCUIT FOR RE-USE.
- 8 NEW MCC. MODIFY EXISTING HOUSEKEEPING PAD AND CABLES IF NECESSARY TO ACCOMMODATE NEW MCC DIMENSIONS.
- 9 EXISTING ALARM BEACON TO BE SALVAGED AND RE-INSTALLED.

- EXISTING ELECTRICAL EQUIPMENT, CIRCUITS, AND CONDUITS NOT NOTED TO BE MODIFIED SHALL REMAIN AND BE RECONNECTED TO NEW ELECTRICAL EQUIPMENT AS APPLICABLE. THIS INCLUDES BUT IS NOT LIMITED TO WATER LEVEL MEASUREMENT SYSTEM, RECEPTACLES, AND LOWER LEVEL LIGHTING.
- 3. CONTRACTOR SHALL CUT AND CAP CONDUIT TO BE RE-USED.
- 2. AN ELECTRICAL SHALL CUT AND CAP CONDUIT TO BE RE-USED.
 2. AN ELECTRICAL SHOCK AND ARC FLASH HAZARD ANALYSIS SHALL BE PERFORMED IN ACCORDANCE WITH THE LATEST VERSION OF NFPA-70E AND IEEE-1584 FOR ALL OWNER OWNED EQUIPMENT FROM THE SERVICE ENTRANCE UP TO AND INCLUDING THE MCC. WRITTEN RESULTS OF THE ANALYSIS SHALL BE PROVIDED TO THE OWNER AND NFPA-70 E COMPLIANT ARC FLASH WARNING LABELS APPLIED TO THE EQUIPMENT. MINIMUM INFORMATION REQUIRED FOR LABELS IS AS FOLLOWS:

 A. VOLTAGE EXPOSURE
 B. LIMITED APPROACH BOUNDARY
 C. RESTRICTED APPROACH BOUNDARY
 D. INCIDENT ENERGY AT THE WORKING DISTANCE OR ARC FLASH PPE CATEGORY
- E. ARC FLASH PROTECTION BOUNDARIES
 F. REQUIRED PPE AND GLOVE RATING
 G. EQUIPMENT NAME
 H. DATE PREPARED



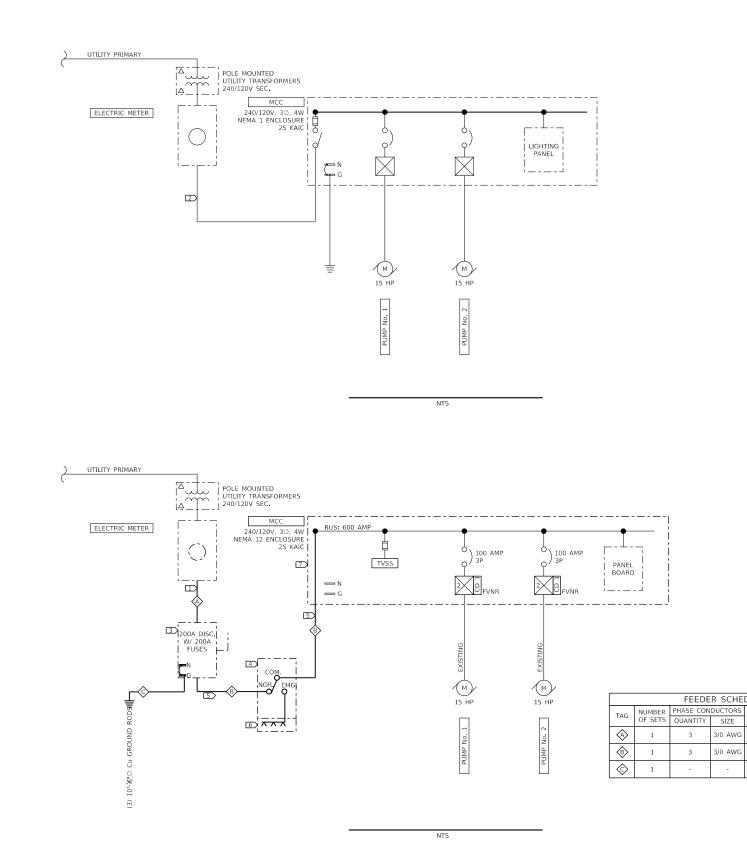




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	PLOT DATE = 11/5/2019	DATE	10/3/2019	REVISED	=

STATE OF ILLINOIS **DEPARTMENT OF TRANSPORTATION**

				AND DETAIL		F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	ELEC	CTRICAL	PLAN A	320	D6 PUMP STATION 2019	LOGAN	7	5		
								CONTRAC	T NO.	46921
SCALE: 1/2" = 1'-0	SHEET 2	OF 4	SHEETS	STA.	TO STA.		ILLINOIS FED. A	ID PROJECT		



(APPLICABLE TO THIS SHEET ONLY)

□ INSTALL NEW SERVICE ENTRANCE CONDUCTORS AS SHOWN.

 $\hfill \square$ remove existing service entrance conductors/conduit downstream of existing meter.

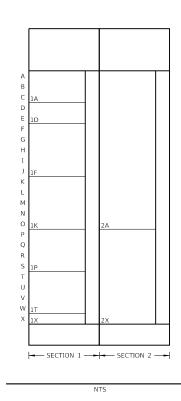
3 NEW SERVICE DISCONNECT SWITCH.

4 NEW AUTOMATIC TRANSFER SWITCH.

5 INSTALL NEW FEEDER AS SHOWN.

6 NEW GENERATOR QUICK CONNECTION (200 AMP) ENCLOSURE.

7 NEW MCC



					MC		CI		\ I II	_												
					MC		UX	EL	JUL		CON	TRO	DL D	ΕVI	CES	•						
ID						INTLKS						SELECTOR SWITCHES								THE	R	
SECTION	CELL	STARTER, CLASS, OR DESCRIPTION	SIZE (INCHES)	CB TRIP/FUSE CLIPS (A)	HP RATING	NO	NC	START-STOP	FWD-REV-STOP	FAST-SLOW-STOP	HAND-OFF-AUTO	ON-OFF	FWD-OFF-REV	FAST-OFF-SLOW	GREEN	RED	AMBER	PUSH TO TEST	ELAPSED TIME METER	MOTOR STARTS COUNTER	CURRENT SWITCH	NAMEPLATE IDENTIFICATIONS
1	Α	MAIN LUGS	9																			MAIN LUGS
1	D	TVSS	6																			TVSS
1	F	COMB. FVNR STARTER	15	100	15						Х				Χ		Х	Х	Х	Х	Х	PUMP No. 1
1	K	COMB. FVNR STARTER	15	100	15						Х				Χ		Х	Х	Χ	Х	Х	PUMP No. 2
1	Р	SPACE	12																			SPACE
1	Т	SPACE	12																			SPACE
1	X	SPACE	3																			SPACE
2	Α	RELAY SECTION	45																			CONTROLS
2	Х	PANELBOARD	27	100																		PANELBOARD

ı	PANELBOARD						Area Served	PUMP STATION	
Location:			100 A 120/240 V 1 Ph			/ 1 Ph	3 Wire	100AMP MAIN BREAKER	
MCC				Fault Ra	ting: 25,0	000			
		Brkr.		Load			Brkr.	•	
No.	Description	Amps	Α	В	В	Α	Amps	Description	No
1	PANEL HEATERS	20	400			100	20	LEVEL MEASUREMENT	2
3	LIGHTS	20		500	100		20	CONTROLS	4
5	RECEPTACLES	20	720			100	20	ALARM BEACON	6
7	SPARE	20					20	SPARE	8
9	SPARE	20					20	SPARE	10
11	SPACE							SPACE	12
13	SPACE							SPACE	14
15	SPACE							SPACE	16
17	SPACE							SPACE	18
'			1120	500	100	200			
Totals			se A	Phase B Total		Total Wa	attage(V	A) Capacity	
			20	600 1		920	24000		

LIGHTING FIXTURE SCHEDULE											
TYPE	MANUFACTURER	MODEL NUMBER	VOLTS	LUMENS	WATTS	DISTRIBUTION	COLOR TEMP	COMMENTS			
	LITHONIA	CLX-L48-7000LM-SEF-RDL-WD-MVOLT-GZ10-40K-80CRI	120	7,000	49						
	METALUX	4SLSTP5540DD-UNV	120	5,845	49	WIDE	4,000 K				
	DAY BRITE	FSI-4-70L-840-UNV-DIM	120	7,000	58						
LED WALL PACK		OLWX1 LED 20W 40K PE	120	2,697	20			PROVIDE WITH INTEGRAL			
	LUMARK	XTOR2B	120	2,135	18		4,000 K	PHOTOCELL. DARK BRONZE			
	RAB	SLIM18N/PC	120	2,556	18			FINISH.			
	LED STRIP LIGHT	LED STRIP LIGHT METALUX DAY BRITE LITHONIA LED WALL PACK LUMARK	TYPE MANUFACTURER MODEL NUMBER LITHONIA CLX-48-7000LM-SEF-RDL-WD-MVOLT-GZ10-40K-80CRI LED STRIP LIGHT METALUX 4SLSTP55400D-UNV DAY BRITE FSI-4-70L-840-UNV-DIM LITHONIA OLWX1 LED 20W 40K PE LED WALL PACK LUMARK XTOR2B	TYPE MANUFACTURER MODEL NUMBER VOLTS LITHONIA CLX-L48-7000LM-SEF-RDL-WD-MVOLT-G210-40K-80CRI 120 LED STRIP LIGHT METALUX 4SLSTPS540DD-UNV 120 DAY BRITE FSL4-70L-840-UNV-DIM 120 LITHONIA OLWX1 LED 20W 40K PE 120 LED WALL PACK LUMARK XTOR2B 120	TYPE MANUFACTURER MODEL NUMBER VOLTS LUMENS LITHONIA CLX-48-7000LM-SEF-RDL-WD-MVOLT-GZ10-40K-80CRI 120 7,000 LED STRIP LIGHT METALUX 49LSTPS540DD-UNV 120 5,845 DAY BRITE FS14-70L-840-UNV-DIM 120 7,000 LITHONIA OLWX1 LED 20W 40K PE 120 2,697 LED WALL PACK LUMARK XTOR2B 120 2,135	TYPE MANUFACTURER MODEL NUMBER VOLTS LUMENS WATTS LITHONIA CLX-48-7000LM-SEF-RDL-WD-MVOLT-GZ10-40K-80CRI 120 7,000 49 LED STRIP LIGHT METALUX 45LSTP5540DD-JWV 120 5,845 49 DAY BRITE F5I-470L-840-UNV-DIM 120 7,000 58 LITHONIA OLWX1 LED 20W 40K PE 120 2,697 20 LED WALL PACK LUMARK XTOR2B 120 2,135 18	TYPE MANUFACTURER LITHONIA MODEL NUMBER VOLTS LUMENS WATTS DISTRIBUTION LED STRIP LIGHT METALUX 4SLSTP5540DD-UNV 120 7,000 49 WIDE DAY BRITE FSI-4-70L-840-UNV-DIM 120 7,000 58 49 WIDE LICHONIA OLWX1 LED 20W 40K PE 120 2,697 20 LED WALL PACK LIMARK XTOR2B 120 2,135 18	TYPE MANUFACTURER MODEL NUMBER VOLTS LUMENS WATTS DISTRIBUTION COLOR TEMP LITHONIA CLX-L48-7000LM-SEF-RDL-WD-MVOLT-GZ10-40K-80CRI 120 7,000 49 WIDE 4,000 K LED STRIP LIGHT METALUX 4SLSTPS540DD-UNV 120 5,845 49 WIDE 4,000 K DAY BRITE FSI-4-70L-840-UNV-DIM 120 7,000 58 LITHONIA UWX1 LED 20W 40K PE 120 2,697 20 LED WALL PACK LUMARK XTOR28 120 2,135 18 4,000 K			

EASSOCIATES, P.C.

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	PLOT DATE = 11/5/2019	DATE	10/3/2019	REVISED	-

STATE OF ILLINOIS **DEPARTMENT OF TRANSPORTATION**

SCALE: NONE

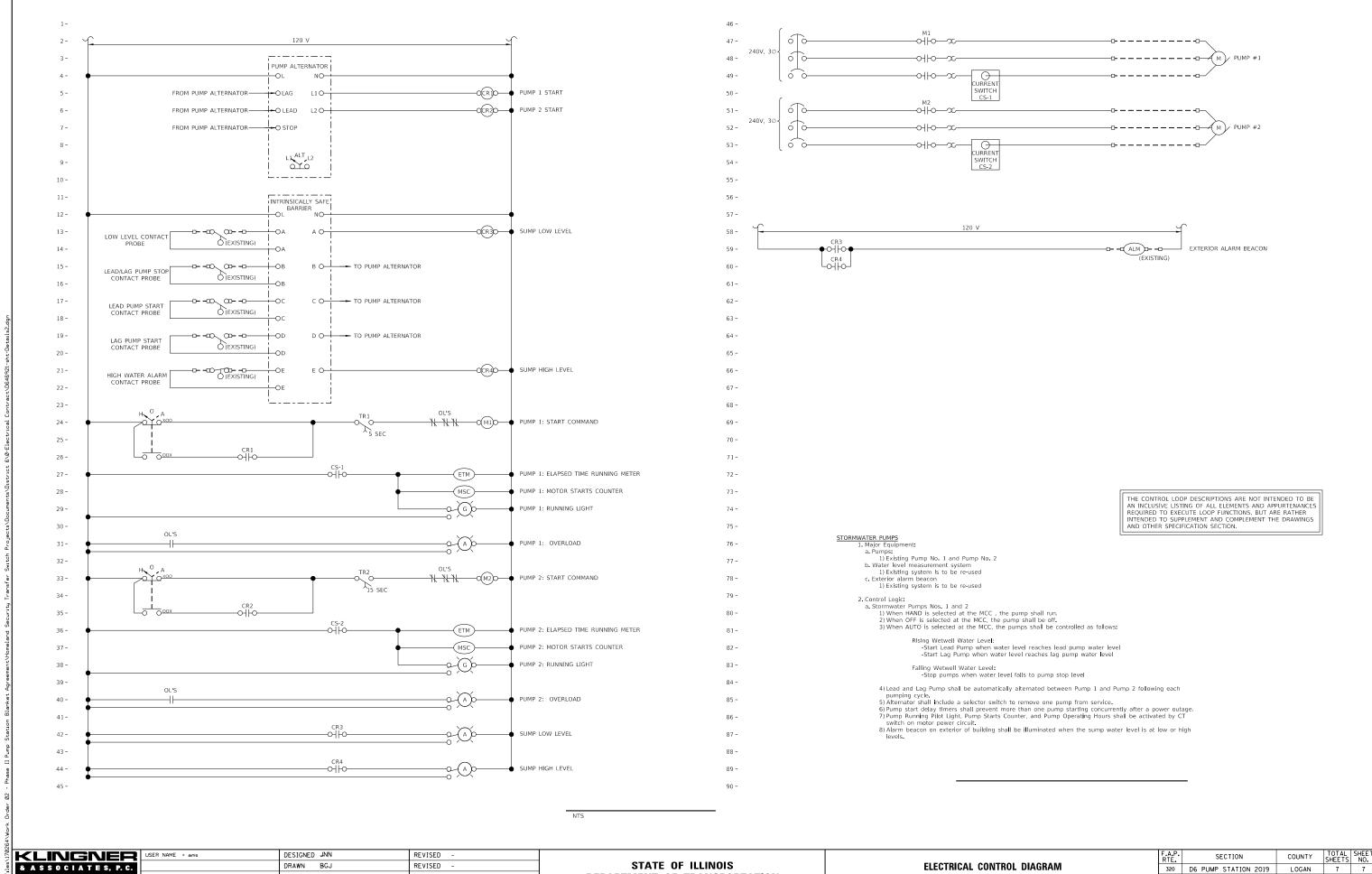
FEEDER SCHEDULE

3/0 AWG

NEUTRAL

3/0 AWG 3/0 AWG #6 AWG

ELECTRICAL ONE-LINE DIAGRAM				F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.			
ELEVATION AND SCHEDULES						320	D6 PUMP STATION 2019	LOGAN	7	6	
								CONTRAC	T NO. 4	16921	
	SHEET	3	OF 4	SHEETS	STA.	TO STA.	ILLINOIS FED. AID PROJECT				



& ASSOCIATES, P.C. igineers • Architects • Surveyor 816 N.24TH ST. QUINCY, ILLINOIS 62301 217.223.3670

DRAWN BGJ REVISED LOT SCALE = 0:2 ':1n / 1n. CHECKED JNN REVISED PLOT DATE = 11/5/2019 DATE REVISED 10/3/2019

STATE OF ILLINOIS **DEPARTMENT OF TRANSPORTATION**

SCALE: NONE

ELECTRICAL CONTROL DIAGRAM 320 D6 PUMP STATION 2019 LOGAN CONTRACT NO. 46921 SHEET 4 OF 4 SHEETS STA. TO STA.