06-14-2019 LETTING ITEM 142

INDEX OF SHEETS

- COVER SHEET GENERAL NOTES
- SUMMARY OF QUANTITIES
- MT. PULASKI PUMP STATION ELECTRICAL PLAN AND DETAILS
- MT. PULASKI PUMP STATION ELECTRICAL ONE-LINE DIAGRAM

HIGHWAY STANDARDS

000001-06 STANDARD SYMBOLS, ABBREVIATIONS AND PATTERNS

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.

J.U.L.I.E. JOINT UTILITY LOCATION INFORMATION FOR EXCAVATION 1-800-892-0123

PROJECT MANAGER: MICHAEL IRWIN, PE TIMOTHY SHARP SQUAD LEADER:

217-524-7165 217-524-9160

CONTRACT NO. 46528

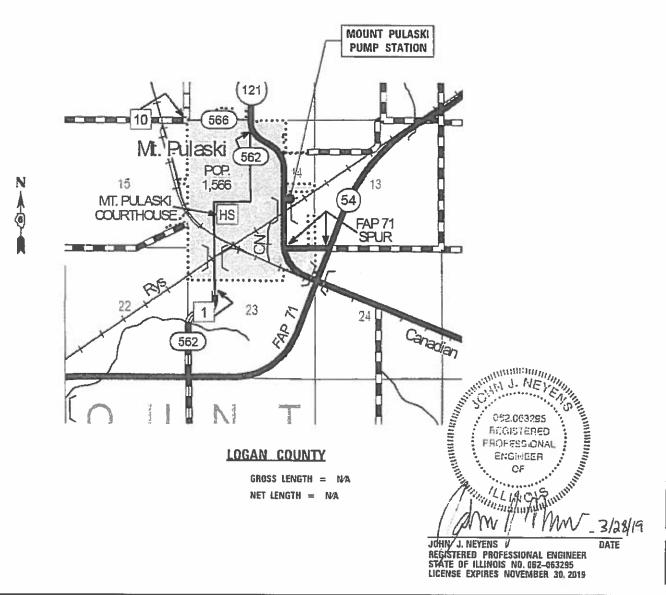
STATE OF ILLINOIS

DEPARTMENT OF TRANSPORTATION

PROPOSED HIGHWAY PLANS

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

C-30-011-19



320 | D6 PUMP STATIONS 2019 | LOGAN | 5 | 1 ILLDOS CONTRACT NO. 46528

D-6



PLANS PREPARED BY:

KLINGNER & ASSOCIATES, P.C.

Engineers · Architects · Surveyors

Quincy, Illinois 616 North 24th Street 217 223 3670

Galetburg, II, Burlington, IA. Felia, IA. Harmitol, IAO Columbia, IAO STATE OF ILLINOIS DESIGN FIRM NO. 184-2738

STATE CHIMOIS DEPARTMENT OF TRANSPORTATION DIRECTOR OF HIGHWAYS PROJECT IMPLEMENTATIO

PRINTED BY THE AUTHORITY OF THE STATE OF ILLINOIS

GENERAL NOTES

- 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. CONSTRUCTION LOADS SHALL NOT EXCEED DESIGN LIVE LOAD, THE CONTRACTOR IS RESPONSIBLE FOR ALL DESIGN REQUIRED TO SUPPORT CONSTRUCTION EQUIPMENT USED IN CONSTRUCTING THIS PROJECT, SHORING AND RESHORING IS THE RESPONSIBILITY OF THE CONTRACTOR AND SHALL BE INCLUDED WITH THE COST OF FURNISHING AND ERECTING STRUCTURAL STEEL, SPECIAL.
- 5. 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 1.U.L.I.E. OR FOR NON-MEMBERS, THE UTILITY COMPANY DIRECTLY. AGENCIES KNOWN TO HAVE FACILITIES WITHIN THE PROJECT AREA ARE AS FOLLOWS:

•

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

- IT IS THE CONTRACTOR'S RESPONSIBILITY TO ENFORCE ALL APPLICABLE SAFETY CODES AND REGULATIONS DURING ALL PHASES OF CONSTRUCTION.
- 7. 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.
- DURING CONSTRUCTION THE CONTRACTOR SHALL BE RESPONSIBLE FOR MAINTENANCE OF THE EXISTING PUMP STATION BUILDING.
- 9. DRAWINGS ARE NOT TO SCALE.
- 10. THE DEPARTMENT RESERVES THE RIGHT TO NOTIFY THE CONTRACTOR TO CHANGE THE CONSTRUCTION SCHEDULE IF NEEDED TO ENSURE PROPER DEWATERING NEEDS FOR THE DEPARTMENT.
- 11. 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 & 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.

KLINGNER	USER NAM E = ome	DESTONED	2	AMS	REVISED	-	
& ASSOCIATES, P.C.		DRAWN	-	ADL	REVISED	-	34
Engineers · Architects · Surveyors	PLOT SCALE = 2:8 '-1' / 1n.	CHECKED	20	AMS	REVISED	-	
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ILLINOIS DEPARTMENT OF TRANSPORTATION

SUMMARY OF QUANTITIES

			100% STATE	CONSTR	RUCTION TYPE CODE
			TOTAL	LOGAN	
CODE NO.	ITEM	UNIT	TOTAL QUANTITY	0044	
67100100	MOBILIZATION	L SUM	1	1	
X0325528	REMOVE AND REINSTALL LIGHTING EQUIPMENT	L SUM	1	1	

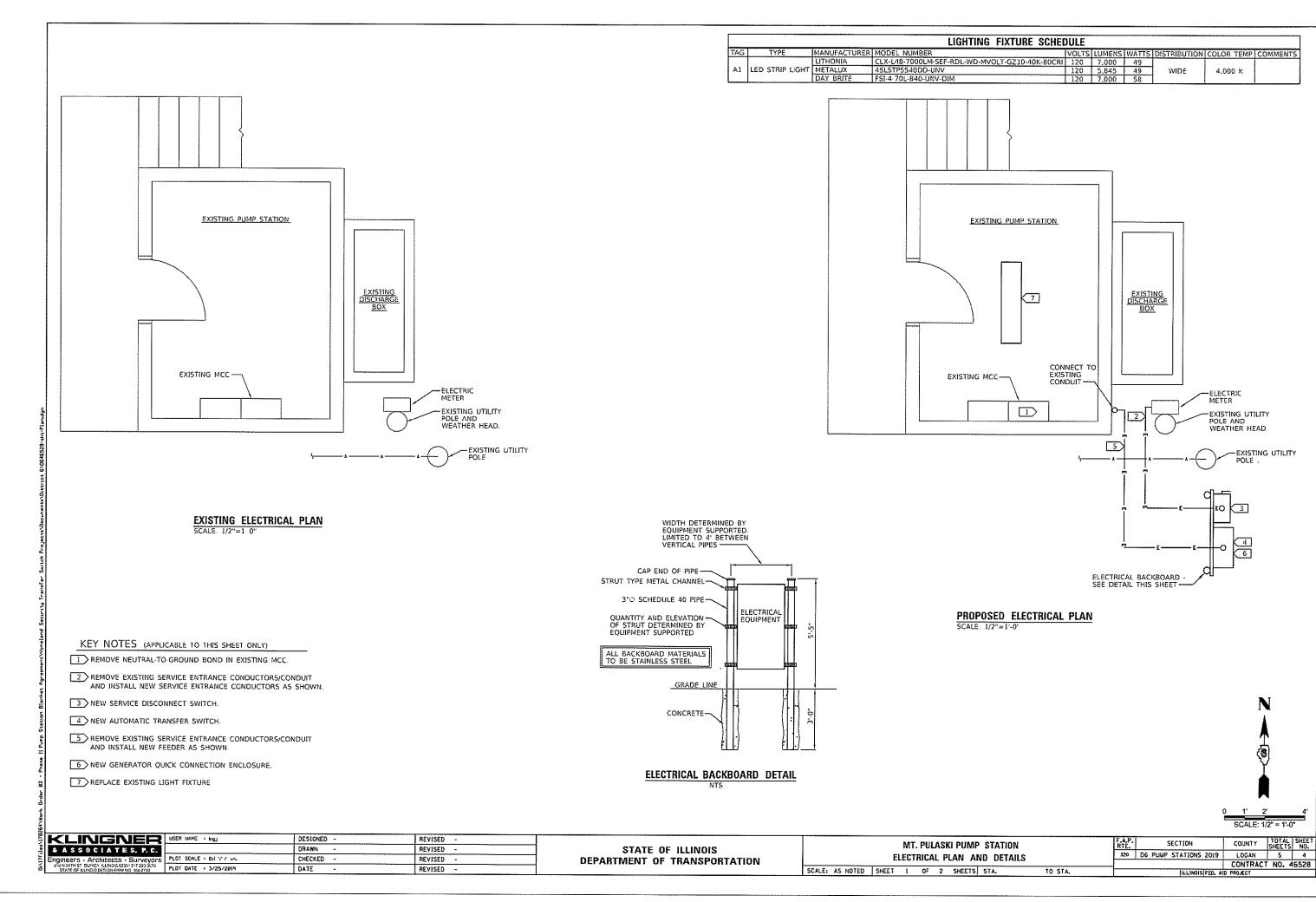
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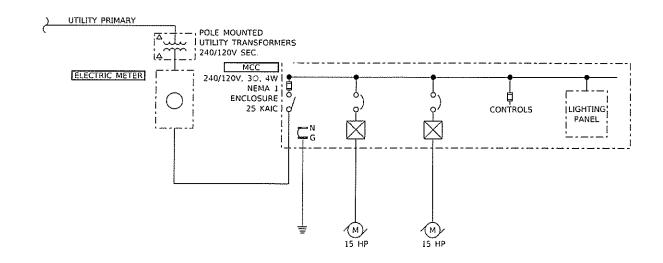
KLINGNER
& ASSOCIATES. P.C.
Engineers · Architects · Surveyors
676 N.Z4TH ST, GUINGY, ILLINOIS 62301 217,223,3870 STATE OF ILLINOIS DESIGN FIRM NO. 184-2739

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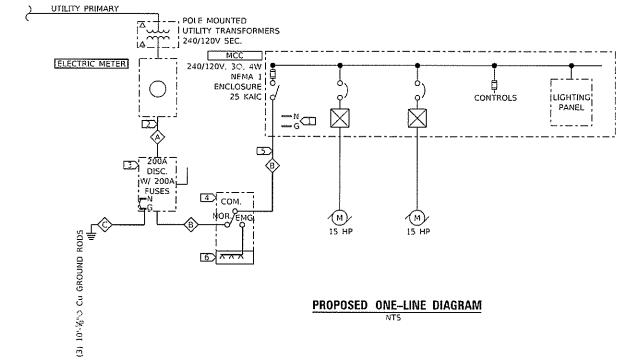
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ar 82 - Phase II Pump Station Blonket Agraement/Venatord Security





EXISTING ONE-LINE DIAGRAM



***************************************	***************************************		FEEDER SCH	HEDULE		
		PHASE COI QUANTITY	NDUCTORS SIZE	NEUTRAL	EGC/ GEC	CONDUIT
♦	1	3	3/0 AWG	3/0 AWG	-	2.,
(8)	1	3	3/0 AWG	3/0 AWG	#6 AWG	2"
♦	1	~	-	-	#4 AWG	-

	KLINGNER	USER NAME : BUSERS	DESIGNED -	REVISED -	$\overline{}$
	& ASSCCIATES, P.C.		DRAWN -	REVISED -	
3	Engineers · Architects · Surveyors	PLOT SCALE : \$SCALE\$	CHECKED -	REVISED -	
¥	676 N.24TH ST. OUINCY, ILLINOIS 62301 217 223 3676 STATE OF ILLINOIS DESIGN FIRM NO. 184-2738	PLOT DATE 4 *DATE*	DATE -	REVISED -	į

STATE OF	ILLINOIS
DEPARTMENT OF	TRANSPORTATION

MT. PULASKI PUMP STATION	F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
ELECTRICAL ONE-LINE DIAGRAM	320	D6 PUMP STATIONS 2019	LOGAN	5	5
ELEGINIONE GIVE-LINE DINGUNU			CONTRACT	NO.	46528
SCALE: NONE SHEET 2 OF 2 SHEETS STA. TO STA.		ILLINOIS FED. A	D PROJECT		

_	(EY NOTES (APPLICABLE TO THIS SHEET ONLY)
1	REMOVE NEUTRAL-TO-GROUND BOND IN EXISTING MCC.
2	REMOVE EXISTING SERVICE ENTRANCE CONDUCTORS/CONDUIT AND INSTALL NEW SERVICE ENTRANCE CONDUCTORS AS SHOWN
3	NEW SERVICE DISCONNECT SWITCH.
4	NEW AUTOMATIC TRANSFER SWITCH.
5	REMOVE EXISTING SERVICE ENTRANCE CONDUCTORS/CONDUIT AND INSTALL NEW FEEDER AS SHOWN.
6	NEW GENERATOR QUICK CONNECTION ENCLOSURE.