

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
320	D6 PUMP STATIONS 2019	LOGAN	5	1
ILLINOIS			CONTRACT NO. 46528	

INDEX OF SHEETS

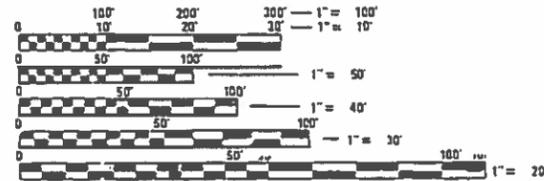
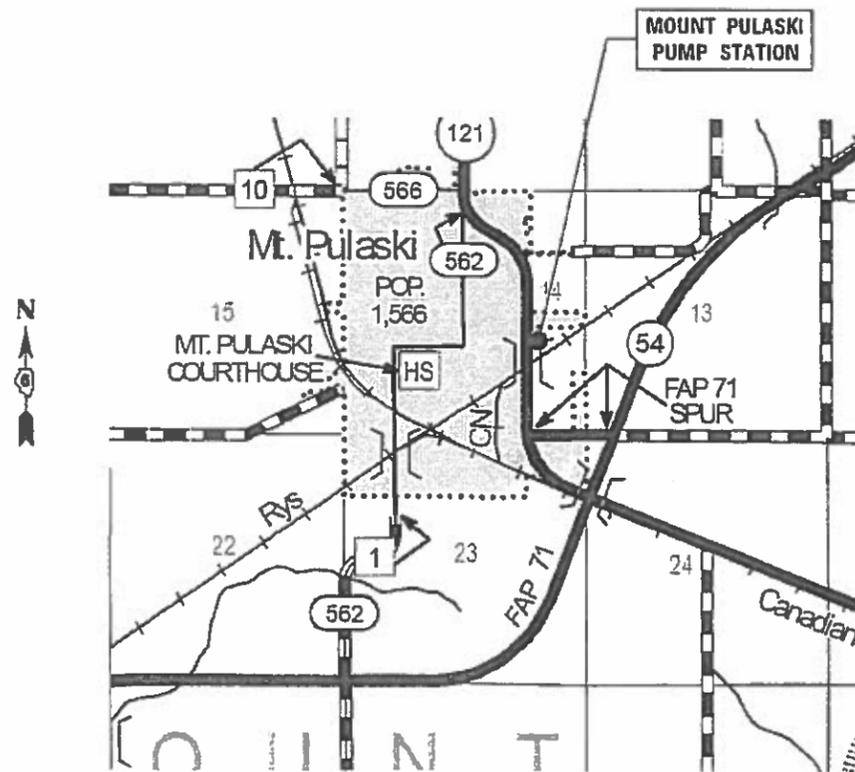
- 1 COVER SHEET
- 2 GENERAL NOTES
- 3 SUMMARY OF QUANTITIES
- 4 MT. PULASKI PUMP STATION ELECTRICAL PLAN AND DETAILS
- 5 MT. PULASKI PUMP STATION ELECTRICAL ONE-LINE DIAGRAM

**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

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.

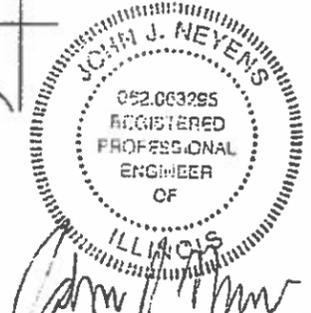
J.U.L.I.E.
JOINT UTILITY LOCATION INFORMATION FOR EXCAVATION
1-800-892-0123
OR 811

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

CONTRACT NO. 46528

LOGAN COUNTY

GROSS LENGTH = N/A
NET LENGTH = N/A



JOHN J. NEYENS
REGISTERED PROFESSIONAL ENGINEER
STATE OF ILLINOIS NO. 062-063295
LICENSE EXPIRES NOVEMBER 30, 2019
DATE 3/28/19

PLANS PREPARED BY:
KLINGNER & ASSOCIATES, P.C.
Engineers • Architects • Surveyors

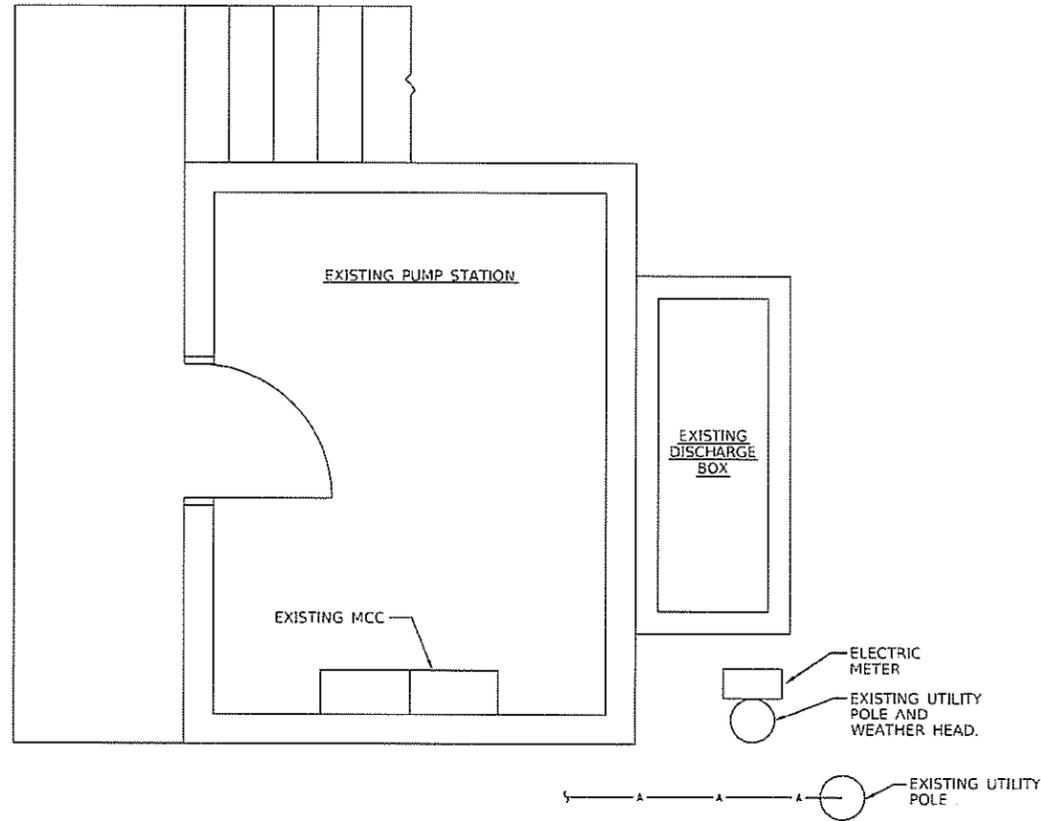
Quincy, Illinois www.klingner.com
816 North 24th Street, Quincy, IL 62305
217 223 3470 Fax: 1A Hannibal, MO Columbia, MO
STATE OF ILLINOIS DESIGN FIRM NO. 184-2738

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

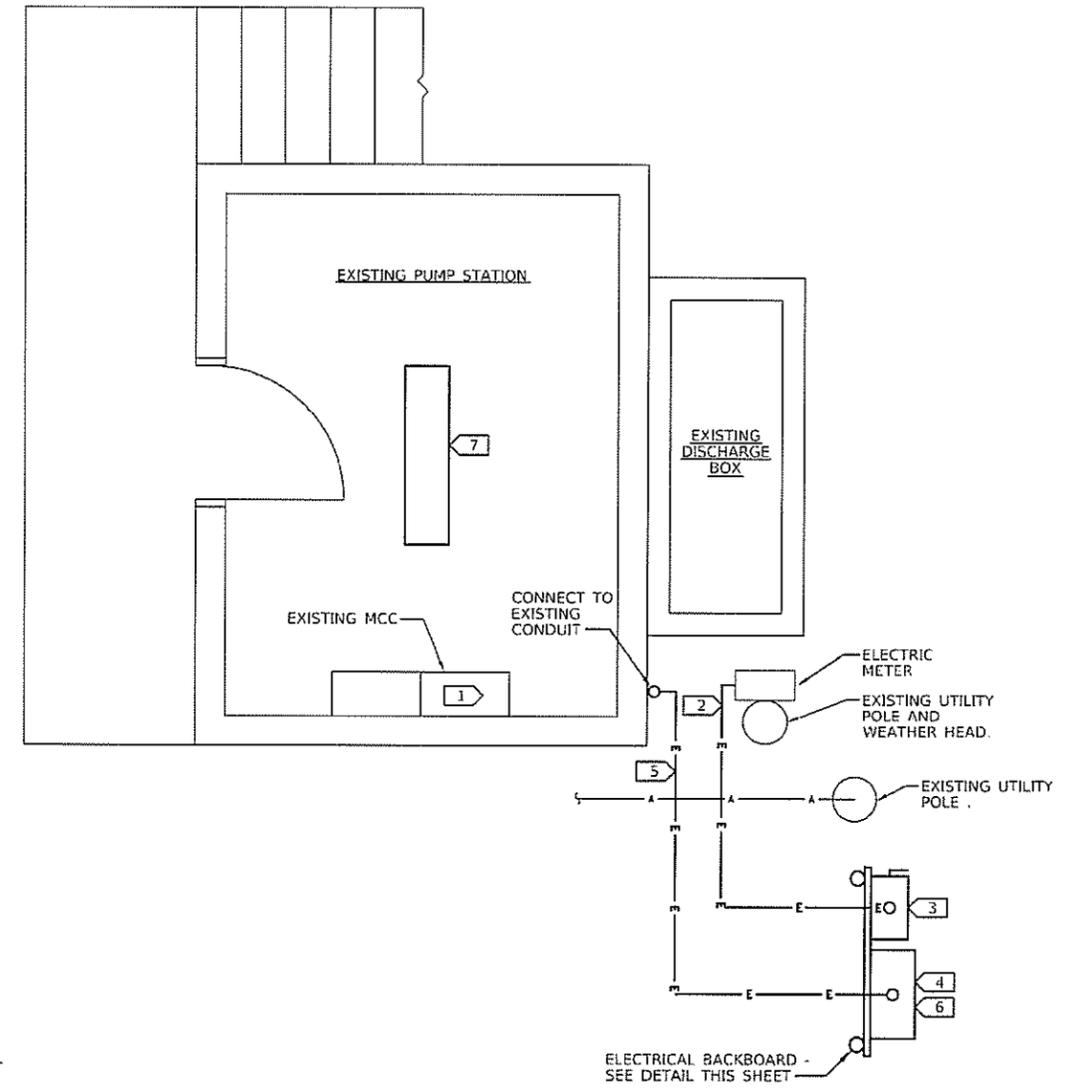
SUBMITTED 22 April 2019
[Signature] REGIONAL ENGINEER
May 10 2019 *[Signature]* A. EK
ENGINEER OF DESIGN AND ENVIRONMENT
May 10 2019 *[Signature]*
DIRECTOR OF HIGHWAYS PROJECT IMPLEMENTATION

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OF THE STATE OF ILLINOIS

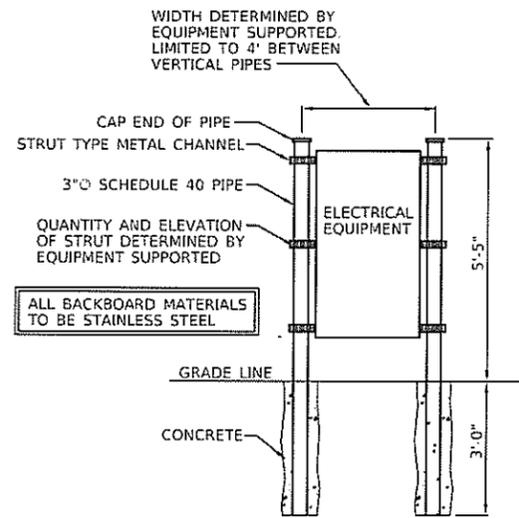
LIGHTING FIXTURE SCHEDULE										
TAG	TYPE	MANUFACTURER	MODEL NUMBER	VOLTS	LUMENS	WATTS	DISTRIBUTION	COLOR TEMP	COMMENTS	
A1	LED STRIP LIGHT	LITHONIA	CLX-L18-7000LM-SEF-RDL-WD-MVOLT-GZ10-40K-80CRI	120	7,000	49	WIDE	4,000 K		
		METALUX	4SLSTP5540DD-UNV	120	5,845	49				
		DAY BRITE	FSJ-4 70L-840-UNV-DIM	120	7,000	58				



EXISTING ELECTRICAL PLAN
SCALE: 1/2"=1'-0"



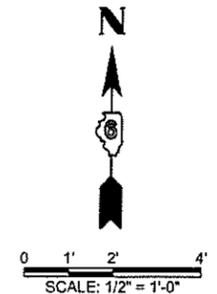
PROPOSED ELECTRICAL PLAN
SCALE: 1/2"=1'-0"



ELECTRICAL BACKBOARD DETAIL
NTS

KEY 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.
- 7 REPLACE EXISTING LIGHT FIXTURE



D:\17\Jes170264\Work Order 82 - Phase II Pump Station Blanket Agreement\Hemelond Security Transfer Switch Project\Documents\Bastrot 6\0646528-shr-Plandgn

KLINGNER ASSOCIATES, P.C.
Engineers • Architects • Surveyors
90 N. 24TH ST. SUITE 400 CHICAGO, ILLINOIS 60611-2233-200
STATE OF ILLINOIS DESIGN FIRM NO. 154-2738

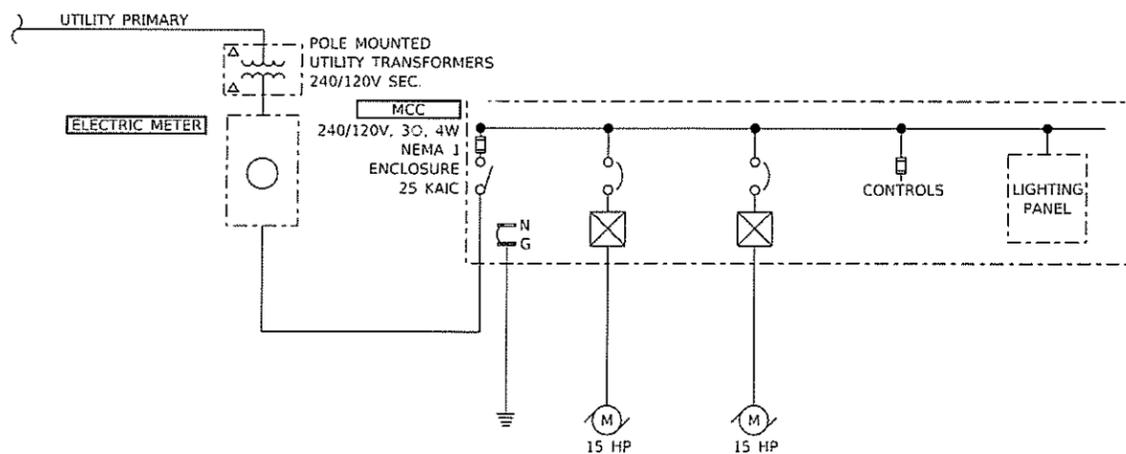
USER NAME = bgj	DESIGNED -	REVISED -
PLOT SCALE = 8 1/2" x 11"	DRAWN -	REVISED -
PLOT DATE = 3/25/2019	CHECKED -	REVISED -
	DATE -	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

MT. PULASKI PUMP STATION
ELECTRICAL PLAN AND DETAILS

SCALE: AS NOTED SHEET 1 OF 2 SHEETS STA. TO STA.

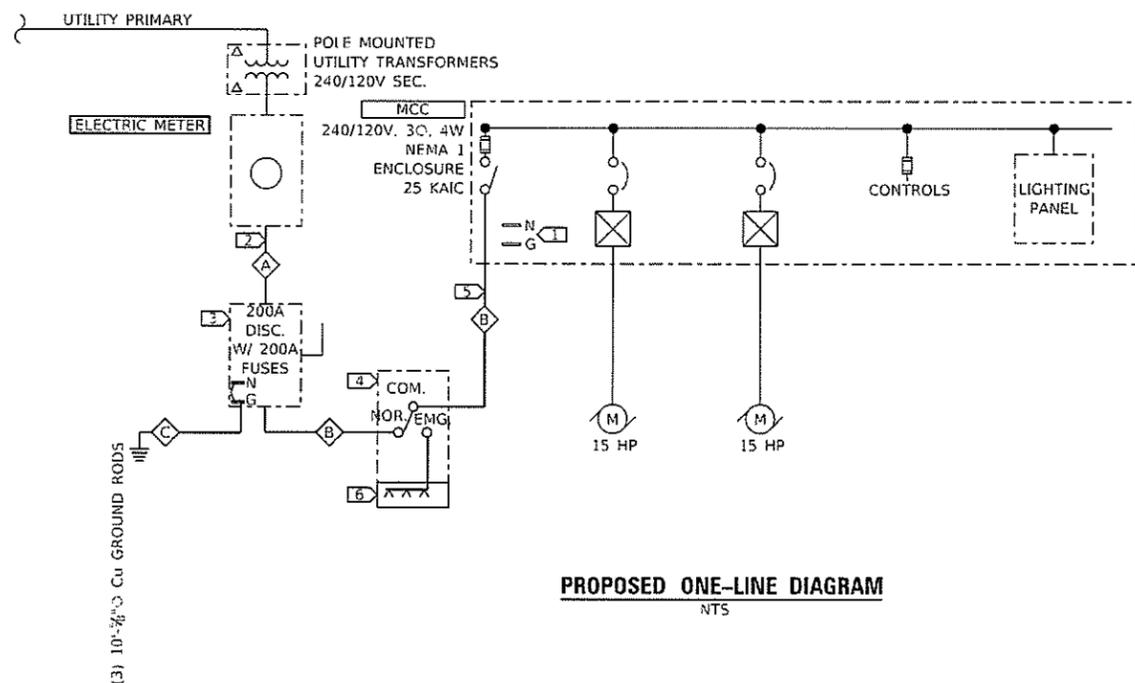
F.A.P. RTE. 320	SECTION D6 PUMP STATIONS 2019	COUNTY LOGAN	TOTAL SHEETS 5	SHEET NO. 4
CONTRACT NO. 46528				ILLINOIS FED. AID PROJECT



EXISTING ONE-LINE DIAGRAM
NTS

KEY 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.



PROPOSED ONE-LINE DIAGRAM
NTS

FEEDER SCHEDULE						
TAG	NUMBER OF SETS	PHASE QUANTITY	CONDUCTORS SIZE	NEUTRAL	EGC/ GEC	CONDUIT
A	1	3	3/0 AWG	3/0 AWG	-	2"
B	1	3	3/0 AWG	3/0 AWG	#6 AWG	2"
C	1	-	-	-	#4 AWG	-