

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
*	DIST 8 ELECTRICAL 2027-1	*	6	1
* = VARIOUS		ILLINOIS	CONTRACT NO. 76U92	

INDEX OF SHEETS:

- 1 COVER SHEET AND STANDARDS
- 2 STATE HIGHWAY STANDARDS, GENERAL NOTES, AND COMMITMENTS
- 3 SUMMARY OF QUANTITIES
- 4 MECHANICAL SECTIONS
- 5 MECHANICAL SECTIONS
- 6 PUMP STATION SWITCHGEAR ONE LINE DIAGRAM & ELEVATION



Frank G. Macino

8/6/2026

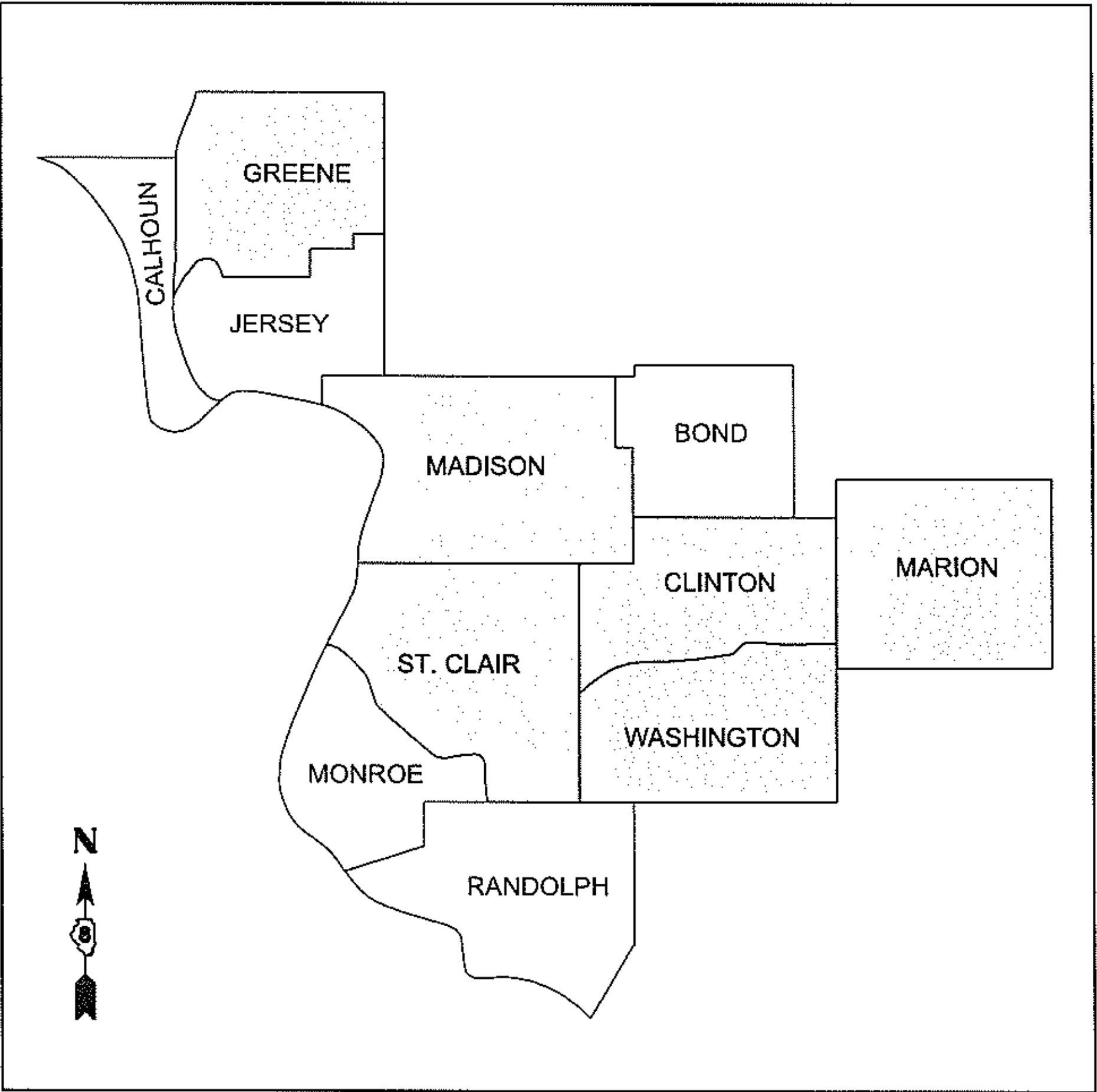
DATE

FRANK G. MACINO
REGISTERED PROFESSIONAL ENGINEER
STATE OF ILLINOIS NO. 062.065121
LICENSE EXPIRES NOVEMBER 30, 2027

PROPOSED
HIGHWAY PLANS

VARIOUS ROUTES
SECTION DIST 8 ELECTRICAL 2027-1
REPAIR & MAINTENANCE OF ELECTRICAL
EQUIPMENT AT PUMP STATIONS
VARIOUS COUNTIES

C-98-038-26



NOTE: WORK CAN BE LOCATED WITHIN ANY OF THE ABOVE
NOTED COUNTIES WITHIN DISTRICT 8 / REGION 5.

D-98-013-26



LOCATION OF SECTION INDICATED THUS: -

PLANS PREPARED BY:

DONOHUE

230 WEST MONROE STREET, SUITE 2925
CHICAGO, IL 60606
312-236-9147

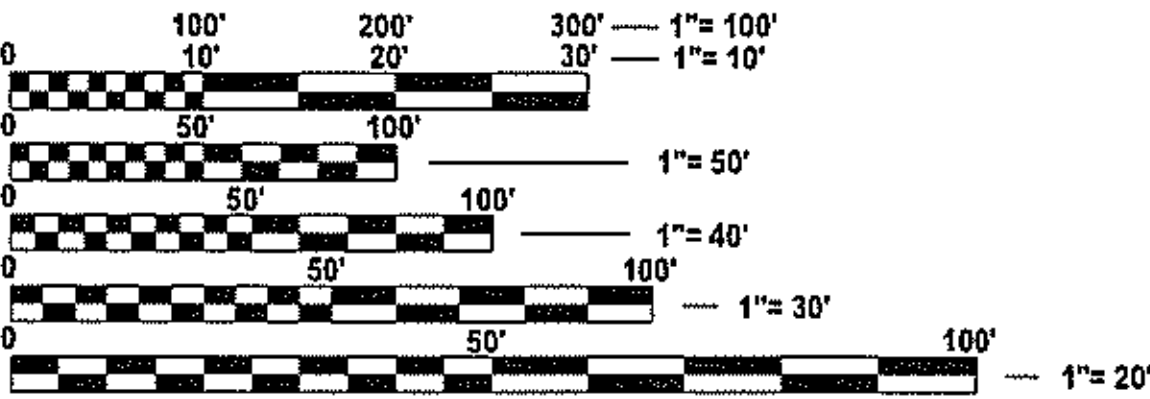
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

SUBMITTED 8/18 20 26
Corin Nix
REGIONAL ENGINEER
October 2 20 26
Scott A. Etkin
ENGINEER OF DESIGN AND ENVIRONMENT
October 2 20 26
John P. Barry
DIRECTOR OF HIGHWAYS PROJECT IMPLEMENTATION

PRINTED BY THE AUTHORITY
OF THE STATE OF ILLINOIS

PROJECT ENGINEER: CHERYL KEPLAR
PROJECT MANAGER: RICHARD BARBEE

CONTRACT NO. 76U92



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

STATE HIGHWAY STANDARDS

000001-09 STANDARD SYMBOLS, ABBREVIATIONS AND PATTERNS
001006 DECIMAL OF AN INCH AND OF A FOOT
701001-02 OFF-ROAD OPERATIONS, 2L, 2W, MORE THAN 15' (4.5 M) AWAY
701006-05 OFF-ROAD OPERATIONS, 2L, 2W, 15' (4.5 M) TO 24" (600 MM) FROM PAVEMENT EDGE
701106-02 OFF-ROAD OPERATIONS, MULTILANE, MORE THAN 15' (4.5 M) AWAY
701301-04 LANE CLOSURE, 2L, 2W, SHORT TIME OPERATIONS
701400-12 APPROACH TO LANE CLOSURE, FREEWAY/EXPRESSWAY
701402-12 LANE CLOSURE, FREEWAY/EXPRESSWAY, WITH BARRIER
701601-09 URBAN LANE CLOSURE, MULTILANE, 1W OR 2W WITH NONTRAVERSABLE MEDIAN
701901-11 TRAFFIC CONTROL DEVICES

GENERAL NOTES

1. THE LOCATIONS OF THE REPAIR AREAS SHALL BE DETERMINED BY THE ENGINEER/DEPARTMENT.
2. NO MATERIAL SHALL BE LEFT ON OR NEAR THE ROADWAY DURING NON-WORKING HOURS.
3. ANY NECESSARY TRAFFIC CONTROL WILL BE PROVIDED BY THE CONTRACTOR. APPROPRIATE STANDARDS LISTED UNDER "STATE HIGHWAY STANDARDS".
4. A FLAGGER SHALL BE REQUIRED AT ALL TIMES WHEN WORKERS OR EQUIPMENT ARE ENCROACHING ON THE LANE OF TRAFFIC.
5. WHEN NO WORK IS BEING PERFORMED, THE FLAGGERS WILL NOT BE REQUIRED. IF THE FLAGGERS ARE NOT PRESENT, THE FLAGGER SIGNS SHALL BE REMOVED OR COVERED.
6. 45 AND 55 MPH SIGNS ARE INCLUDED IN ALL INTERSTATE LANE CLOSURES. IF THE LANE CLOSURE DURATION IS LESS THAN 4 HOURS, THE 45 AND 55 MPH SIGNS ARE NOT REQUIRED.
7. ANY WORK ORDER MAY BE CANCELLED AT THE ENGINEER'S/DEPARTMENT'S DISCRETION.
8. NO OVERNIGHT LANE CLOSURES WILL BE ALLOWED.

COMMITMENTS

1. NONE

MODEL: General Notes
FILE NAME: \\D001.com\Projects\14312ch\1TO_02 General 2\Draw\Draw\Electrical Maintenance 2027_76U92\0876\U92-eh-gennote.dgn

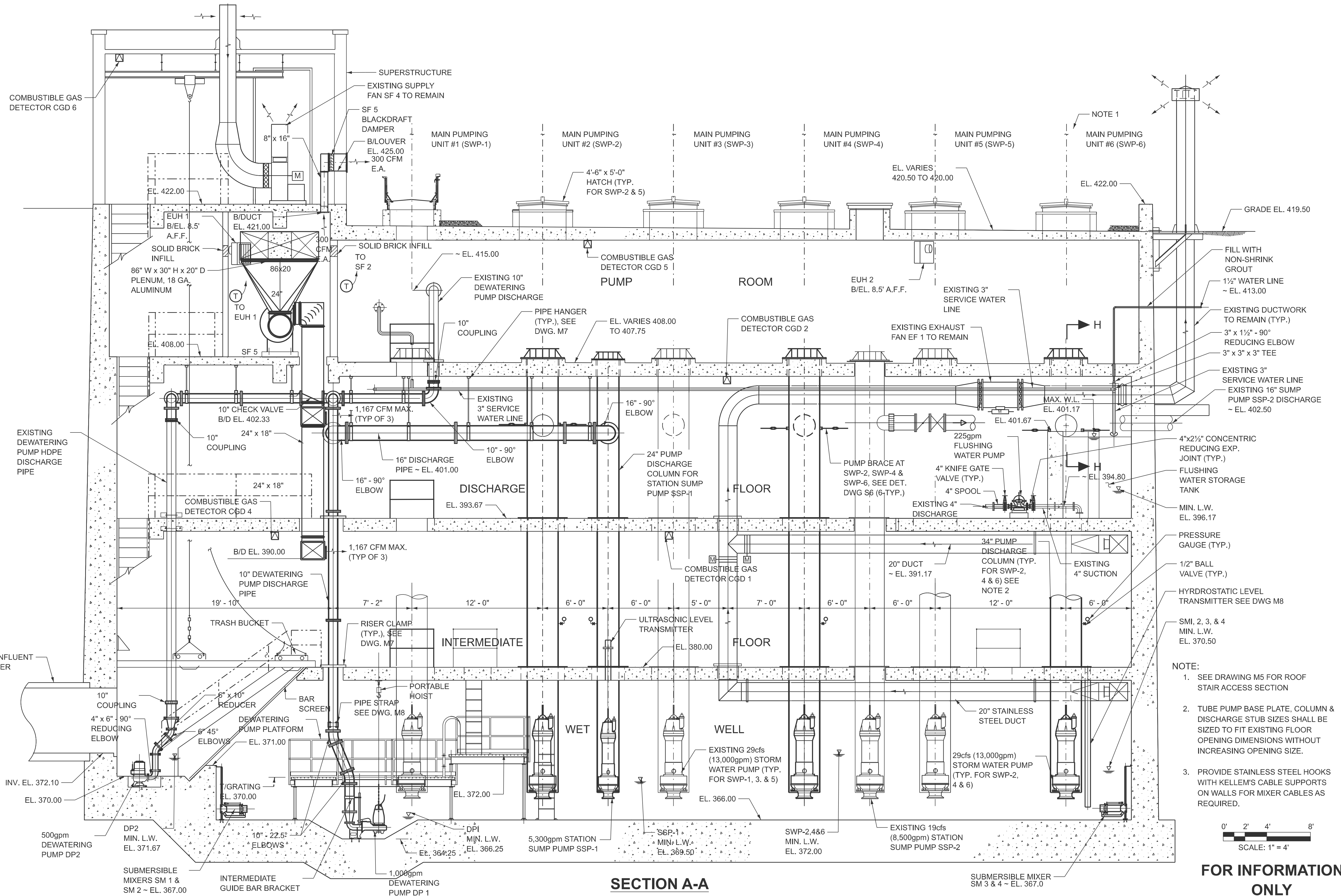
	USER NAME = sbremer	DESIGNED - FGM	REVISED -	REV - MS STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	ELECTRICAL - STATE HIGHWAY STANDARDS GENERAL NOTES, AND COMMITMENTS	F.A.I RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
		DRAWN - SJB	REVISED -			*	DIST 8 ELECTRICAL 2027-1	*	6	2
		CHECKED - JAG	REVISED -			* = VARIOUS			CONTRACT NO. 76U92	
	PLOT DATE = 8/5/2026	DATE - 8/6/2026	REVISED -			SCALE: SHEET 2 OF 6 SHEETS STA. TO STA.				

MODEL: SOQ
FILE NAME: \\D001.com\Projects\14312ch\TO_02 General 2\Drawg\Pump Electrical Maintenance 2027_76U92\0876\U92-sht-SOQ.dgn

				CONSTR. CODE
				100% STATE
CODE NO.	ITEM	UNIT	TOTAL QUANTITY	NONE 0043 URBAN
X0327020	SUBMERSIBLE MIXER	EACH	2	2
X0327111	MAGNUM BREAKER	EACH	2	2
X0327495	JOURNEYMAN ELECTRICIAN	HOUR	130	130
X0327496	APPRENTICE ELECTRICIAN	HOUR	130	130
X0327497	PICK-UP TRUCK	HOUR	130	130
X0327498	BUCKET TRUCK (LENGTH LESS THAN 35 FEET)	HOUR	130	130
X0327499	BUCKET TRUCK (LENGTH 35 TO 65 FEET)	HOUR	75	75
X0327734	TRUCK CRANE	HOUR	25	25

* SPECIALTY ITEM

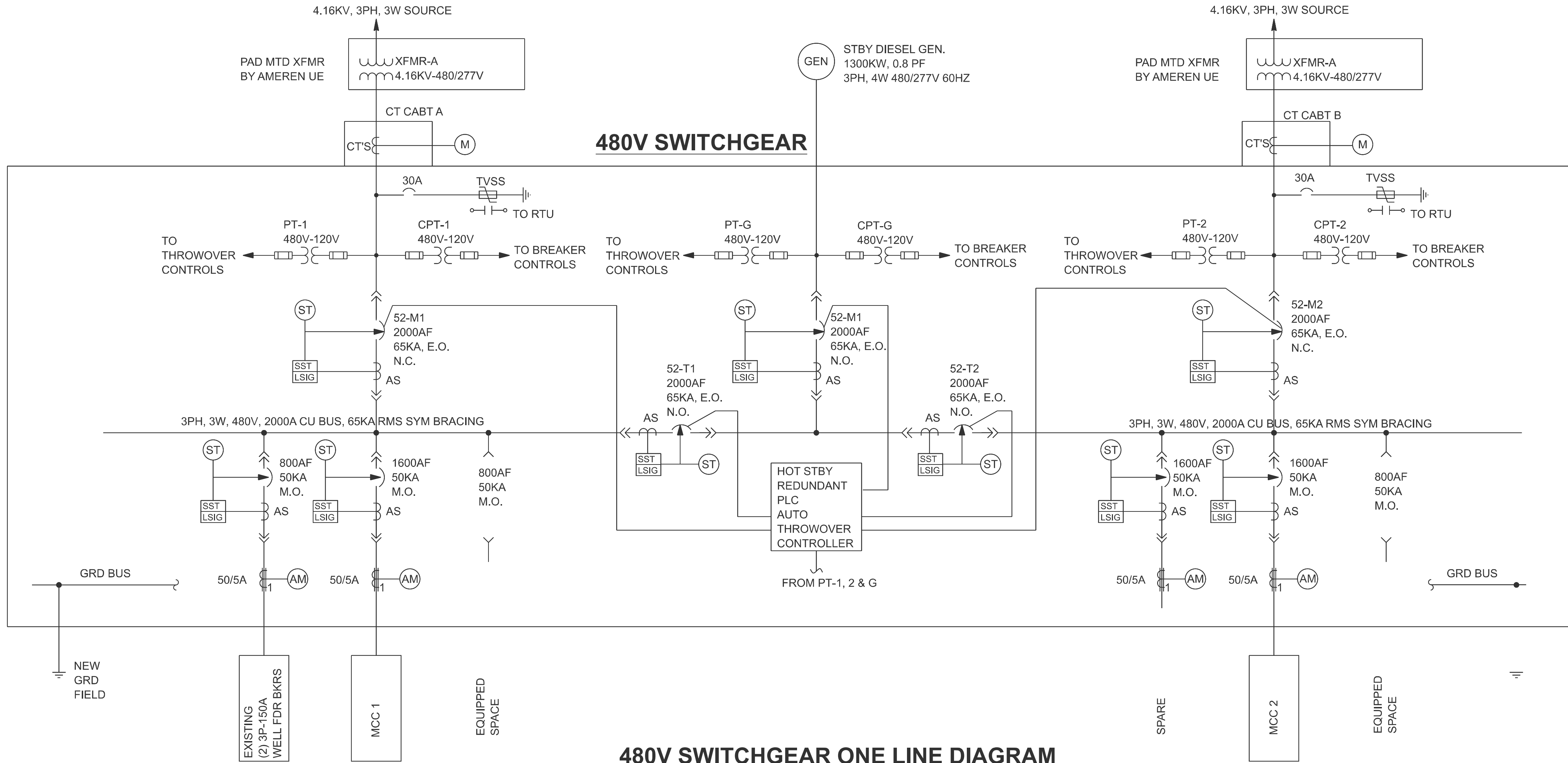
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	DRAWN - SJB		CHECKED - JAG		REVISED -									*	DIST 8 ELECTRICAL 2027-1		*	6	4
	PLOT DATE = 8/5/2026		DATE - 8/6/2026		REVISED -			* = VARIOUS						CONTRACT NO. 76U92					
								SCALE:		SHEET 4 OF 6 SHEETS		STA.		TO STA.		ILLINOIS		FED. AID PROJECT	

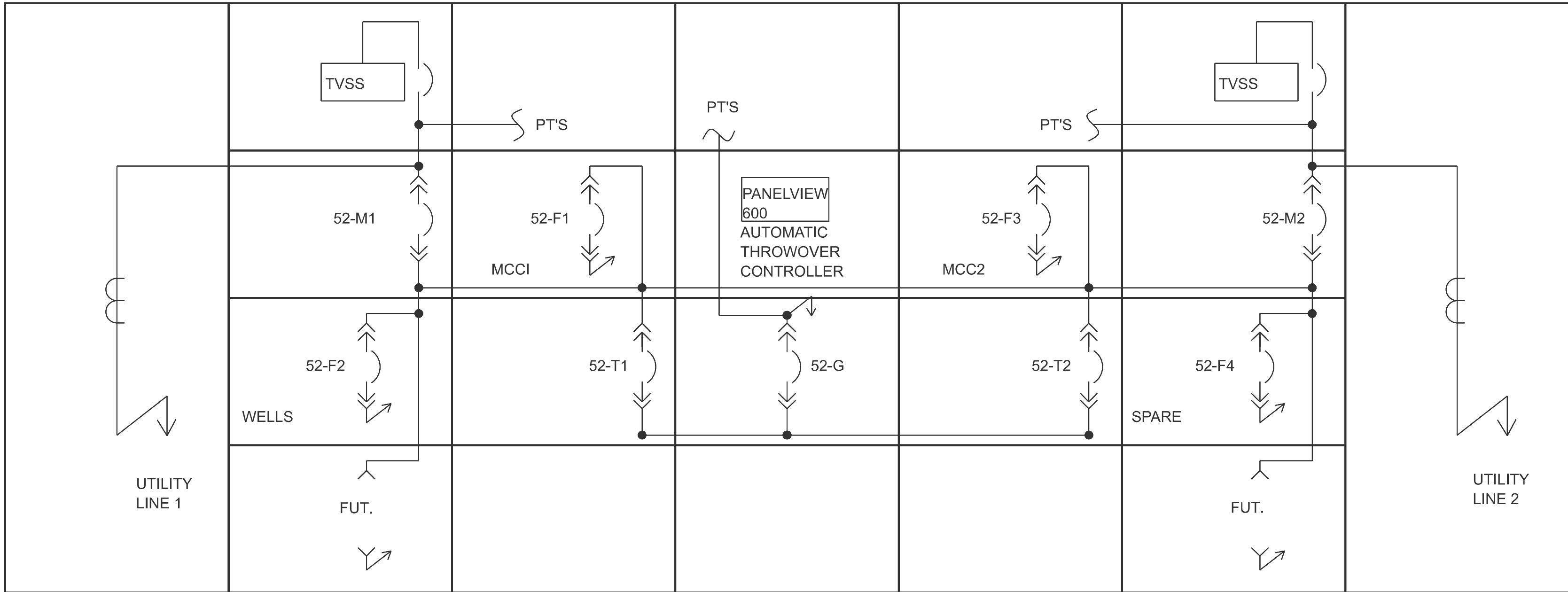
FOR INFORMATION ONLY

MODEL: One Line Diagram
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- LEGEND:**
- AS CURRENT SENSOR
 - CT CURRENT TRANSFORMER
 - EO ELECTRIC OPERATOR
 - MO MANUALLY OPERATED
 - MCCB MOLDED CASE CIRCUIT BREAKER
 - PT POTENTIAL TRANSFORMER
 - CPT CONTROL POWER TRANSFORMER
 - CLF INDICATES CURRENT LIMITING TYPE
 - HIGH VOLTAGE CABLE LOAD BREAK CONNECTOR
 - FUSE
 - DRAW OUT TYPE LOW VOLTAGE POWER CIRCUIT BREAKER WITH BUILT-IN CURRENT SENSOR
 - SOLID STATE TRIP DEVICE
LOWER LETTERS: L - LONG TIME DELAY
S - SHORT TIME DELAY
I - INSTANTANEOUS
G - GROUND FAULT
 - SHUNT TRIP
 - AMMETER

- NOTES:**
- SPACE SHALL BE PREPARED TO ACCEPT A FUTURE BREAKER.
 - ALL BREAKERS SHALL HAVE DIGITRIP DT-1150, WITH SYSTEM COMMUNICATION.



480V SWITCHGEAR FRONT ELEVATION

FOR INFORMATION ONLY

	USER NAME * sbremer	DESIGNED - FGM	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	PUMP STATION SWITCHGEAR ONE LINE DIAGRAM & ELEVATION	F.A.I RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
		DRAWN - SJB	REVISED -			*	DIST 8 ELECTRICAL 2027-1	*	6	6
		CHECKED - JAG	REVISED -			* = VARIOUS		CONTRACT NO. 76U92		
	PLOT DATE = 8/5/2026	DATE - 8/6/2026	REVISED -			SCALE:	SHEET 6	OF 6 SHEETS	STA.	TO STA.