

ABBREVIATIONS

A AMPERE	EA EACH	J J-BOX	R RECEPT
AC ABOVE COUNTER	EDF ELECTRIC DRINKING FOUNTAIN	K KILOVOLT	REQ REQUIRED
AFF ABOVE FINISHED FLOOR	ELEC ELECTRICAL	KVA KILOVOLT AMPERE	S SCHEDULE
AL ALUMINUM	ELEV ELEVATION	KW KILOWATT	SD SMOKE DETECTOR
ALM ALARM	EMER EMERGENCY	KWH KILOWATT HOUR	SECT SECTION
AMM AMMETER	EQ EQUAL		SPEC SPECIFICATION
ARF ABOVE RAISED FLOOR	EQUIP EQUIPMENT		SPKLR SPEAKER
ATS AUTOMATIC TRANSFER SWITCH	ER EXISTING TO RELOCATE		SV SWITCH
AUTO AUTOMATIC	ERC ELECTRIC REHEAT COIL		SW SWITCHBOARD
AWG AMERICAN WIRE GAUGE	EW EACH WAY		SYM SYMMETRICAL
	EW ELECTRIC WATER COOLER		SYS SYSTEM(S)
B BREAK GLASS	EX EXISTING	M MAXIMUM	T TROUBLE BELL
BL BASIC IMPULSE LEVEL	EXT EXTERIOR	MC MOTOR CONTROLLER	TBB TELEPHONE BACKBOARD
BLDG BUILDING		MCC MOTOR CONTROL CENTER	TEL TELEPHONE
		MCH MECHANICAL	TEMP TEMPERATURE
C CONDUIT	F FIRE ALARM	MI MAIN CIRCUIT BREAKER	TERM THERMISTAT
CAB CABINET	FAP FIRE ALARM PANEL	MCC MOTOR CONTROL CENTER	TV TELEVISION
CAT CATEGORY	FAN FAN COOL UNIT	MCC MOTOR CONTROL CENTER	TYP TYPICAL
CB CIRCUIT BREAKER	FDR FEEDER	MCC MOTOR CONTROL CENTER	
CCTV CLOSED CIRCUIT TELEVISION	FDS FUSED DISCONNECT SWITCH	MCC MOTOR CONTROL CENTER	
CKT CIRCUIT BREAKER	FKT FIXTURE	MCC MOTOR CONTROL CENTER	
CL CENTERLINE	FLX FLEXIBLE	MCC MOTOR CONTROL CENTER	
CLG CEILING	FLUOR FLUORESCENT	MCC MOTOR CONTROL CENTER	
CM CEILING MOUNTED	FT FEET OR FOOT	MCC MOTOR CONTROL CENTER	
ONTL CONTROL		MCC MOTOR CONTROL CENTER	
COMM COMMUNICATION		MCC MOTOR CONTROL CENTER	
CONT CONTINUATION		MCC MOTOR CONTROL CENTER	
CT CURRENT TRANSFORMER		MCC MOTOR CONTROL CENTER	
CU COPPER		MCC MOTOR CONTROL CENTER	
CUH CABINET UNIT HEATER		MCC MOTOR CONTROL CENTER	
		MCC MOTOR CONTROL CENTER	
D DECIBEL		MCC MOTOR CONTROL CENTER	
DB DOUBLE ENDED SUBSTATION		MCC MOTOR CONTROL CENTER	
DEG DEGREE		MCC MOTOR CONTROL CENTER	
DEG C DEGREE CELSIUS		MCC MOTOR CONTROL CENTER	
DEG F DEGREE FAHRENHEIT		MCC MOTOR CONTROL CENTER	
DA DIAMETER		MCC MOTOR CONTROL CENTER	
DISC DISCONNECT		MCC MOTOR CONTROL CENTER	
DIV DIVISION		MCC MOTOR CONTROL CENTER	
DP DISTRIBUTION PANELBOARD		MCC MOTOR CONTROL CENTER	
DT DUST TIGHT		MCC MOTOR CONTROL CENTER	
DWG DRAWING		MCC MOTOR CONTROL CENTER	

GENERAL NOTES

- THE DRAWINGS REPRESENT ELECTRICAL DESIGN INTENT. THEY ARE SCHEMATIC AND DIAGRAMMATIC AND DO NOT INDICATE CONSTRUCTION DETAILS OR ROUTING UNLESS OTHERWISE NOTED. THE SPECIFICATIONS ESTABLISH MINIMUM PERFORMANCE AND PRODUCT INSTALLATION REQUIREMENTS. PROVIDE PRODUCTS CONSISTENT WITH THE DESIGN INTENT AND NECESSARY FOR COMPLETE OPERATING ELECTRICAL SYSTEMS.
- PROVIDE FEEDERS AND BRANCH CIRCUITS WHICH HAVE AN AMPACITY EQUAL TO OR GREATER THAN THE CIRCUIT OVERCURRENT PROTECTIVE DEVICE RATING.
- PRIOR TO FINAL CONNECTION OF EQUIPMENT, VERIFY EQUIPMENT NAMEPLATE VOLTAGE, FLA, HP, KW RATING OR ANY OTHER LOAD INFORMATION, REPORT ANY DISCREPANCIES TO ARCHITECT.
- THE FIXTURE SCHEDULE INDICATES GENERAL DESCRIPTION OF LIGHTING FIXTURES AND MANUFACTURERS CATALOG NUMBERS.
- COORDINATE MOUNTING HEIGHTS OF WALL MOUNTED FIXTURES WITH ARCHITECTURAL UNDERPASS PLANS.

LIGHTING CONTACTOR SCHEDULE

CKT #	CONTACTOR #	VOLTAGE	FIXTURES	ZONE DESCRIPTION	PHOTOCELL	CONTROL SEQUENCE
1,3	1,2	240	L1, L1T, L2	WALKWAY AND UNDERPASS LIGHTING		● AT DUSK, PHOTOCELL TURENS LIGHTS ON TO 100% AT DUSK, LIGHTS TURN OFF
5,7	3,4	240	L1, L1T	WALKWAY LIGHTING		● AT DUSK, PHOTOCELL TURENS LIGHTS ON TO 100% AT DUSK, LIGHTS TURN OFF
9,11	5,6	240	L1, L1T, L3	WALKWAY AND PINCHPOINT LIGHTING		● AT DUSK, PHOTOCELL TURENS LIGHTS ON TO 100% AT DUSK, LIGHTS TURN OFF
13,5	7,8	240	L1, L1T	WALKWAY LIGHTING		● AT DUSK, PHOTOCELL TURENS LIGHTS ON TO 100% AT DUSK, LIGHTS TURN OFF
17,19	9,10	240	L1, L1T	WALKWAY LIGHTING		● AT DUSK, PHOTOCELL TURENS LIGHTS ON TO 100% AT DUSK, LIGHTS TURN OFF
	11,12	240		SPARE		

FEEDER SCHEDULE

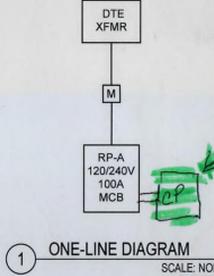
TYPE	DESCRIPTION
P1	(3) 4" C
P2	(1) 2" C WITH FIBER
P3	3/4" C - (2) #4, (1) #10
P4	NOT USED
P5	3/4" C - (2) #8, (1) #10
P6	3/4" C - (2) #10, (1) #100
P7	2 1/2" C - (2) #10, (2) #4, (1) #10
P8	2 1/2" C - SPARE
P9	2 1/2" C - (4) #4, (1) #10
P10	2 1/2" C - (2) #10, (4) #4, (1) #10
P11	2 1/2" C - (2) #10, (2) #8, (4) #4, (2) #1, (1) #10
P12	2 1/2" C - SPARE
P13	2 1/2" C - (2) #8, (6) #4, (2) #1, (1) #10
P14	2 1/2" C - SPARE
P15	2 1/2" C - (2) #10, (4) #8, (6) #4, (2) #1, (1) #10
P16	2 1/2" C - SPARE
P17	2 1/2" C - (4) #10, (4) #8, (6) #4, (2) #1, (1) #10
P18	2 1/2" C - SPARE
P19	2 1/2" C - (2) #4, (1) #10
P20	2 1/2" C - SPARE

PANELBOARD: RP-A
VOLTAGE: 120/240V, 1 PHASE, 3 WIRE + G
MAIN: 100A MCB
TYPE: NEMA 3R

AIC: 10,000
IG BUS: NO
NEUTRAL BUS: 100%
TVSS EQUIPPED: NO

Circ No	Breaker		Load Description	Connected Watts	
	Pole	Trip		Phase A	Phase B
1	2	20	(7) LIGHT POLES (L1), (3) WALL MOUNT LIGHTS (L2)	199	199
3					
5	2	20	(13) LIGHT POLES (L1)	299	299
7					
9	2	20	(8) LIGHT POLES (L1), (5) LIGHT POLES (L1)	276	276
11					
13	2	20	(10) LIGHT POLES (L1)	230	230
15					
17	2	20	(10) LIGHT POLES (L1)	230	230
19					
21	2	4000	CP-1 Sump Pump	3,600	3,600
23					
2	1	20	SECURITY CAMERAS / Receptacles	500	400
4	1	20	SECURITY CAMERAS / Receptacles		
6	1	20	SECURITY CAMERAS / Receptacles	400	
8	1	20	SPARE ELV Cabinet		
10	1	20	SPARE ELV Cabinet		
12	1	20	SPARE Receptacles		
14	1	-	SPARE Photo cell control		
16	1	-	SPACE		
18	1	-	SPACE		
20	1	-	SPACE		
22	1	-	SPACE		
24	1	-	SPACE		

CONNECTED KW: 11 DEMAND KW: 0 Phase Watts: 5,734 5,234
CONNECTED AMPS: 30 DEMAND AMPS: 0



Control Panel Sump Pumps Foot St. Wall 2 pole 240V 40 Amp

SYMBOLS

	RECEPTACLE PEDESTAL (REFER TO DETAIL SHEET E502 FOR ADDITIONAL REQUIREMENTS)		POLE MOUNTED PEDESTRIAN LIGHT, ONE OR TWO LAMPS PER POLE
	JUNCTION BOX - WALL MOUNTED		WALL MOUNTED LIGHT (TO BE USED IN UNDERPASS AREA)
	DISCONNECT SWITCH (AMPERAGE/POLES). FUSED PER MANUFACTURER'S RECOMMENDATION OR AS NOTED. "NF" INDICATES NON-FUSED.		POLE MOUNTED FLOOD LIGHT (TENON MOUNTED ON PEDESTRIAN POLE)
	ENCLOSED CIRCUIT BREAKER		CCTV/INTERCOM EMERGENCY CALL BOX
	CONDUIT TURNING UP		FIXTURE TYPE WITH FIXTURE NUMBER
	CONDUIT TURNING DOWN		LIGHTING CONTROL BOX AND FOUNDATION
	CAPPED CONDUIT STUBBED THROUGH CONCRETE		TRANSFORMER
	ELECTRICAL CONDUIT ROUTED UNDERGROUND		ELECTRICAL HANDHOLE
	TELECOM CONDUIT ROUTED UNDERGROUND		TELECOM HANDHOLE FOR FORD, "MCD-T" ON COVER
	HOME RUN, NUMERICAL INDICATED CIRCUIT NUMBER		LIGHTING CONTROL HANDHOLE
	PANEL - RECESS MOUNTED, FLUSH		LIGHTING CONTROL PHOTOCELL
	PANEL - SURFACE MOUNTED		LIGHTING CONTROL CONTACTOR
	GROUNDING BAR, SIZED AS INDICATED		DISCONNECT SWITCH
	GROUNDING ROD		FUSED DISCONNECT SWITCH
			CIRCUIT BREAKER, SIZE AS NOTED.
			METER
			TRANSFORMER, SIZE AS NOTED.
			GROUND POINT.

PANELBOARD: CP-1
VOLTAGE: 120/240V, 1 PHASE, 3 WIRE + G
MAIN: 100A MCB
TYPE: NEMA 3R

AIC: 10,000
IG BUS: NO
NEUTRAL BUS: 100%
TVSS EQUIPPED: NO

Circ No	Breaker		Load Description	Connected Watts	
	Pole	Trip		Phase A	Phase B
1	2	30	SUMP PUMP	3,600	3,600
3					
5	1	20			
7	1	20			
9	1	20			
11	1	20			
13	1	20			
15	1	20			
17	1	20			
19	1	20			
21	1	20			
23	1	20			
2	1	20			
4	1	20			
6	1	20			
8	1	20			
10	1	20			
12	1	20			
14	1	20	SPARE		
16	1	20	SPARE		
18	1	20	SPARE		
20	1	20	SPARE		
22	1	20	SPARE		
24	1	20	SPARE		

CONNECTED KW: 7 DEMAND KW: 0 Phase Watts: 3,600 3,600
CONNECTED AMPS: 20 DEMAND AMPS: 0

NOT USED

ISSUANCES (SUBMITTAL DATE:)

NO.	DATE	AUTH	DESCRIPTION
1	05-04-23	SJT	BULLETIN 12

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201 DEPOT STREET
SECOND FLOOR
ANN ARBOR, MI 48104
www.smithgroup.com

DETROIT RIVERFRONT CONSERVANCY

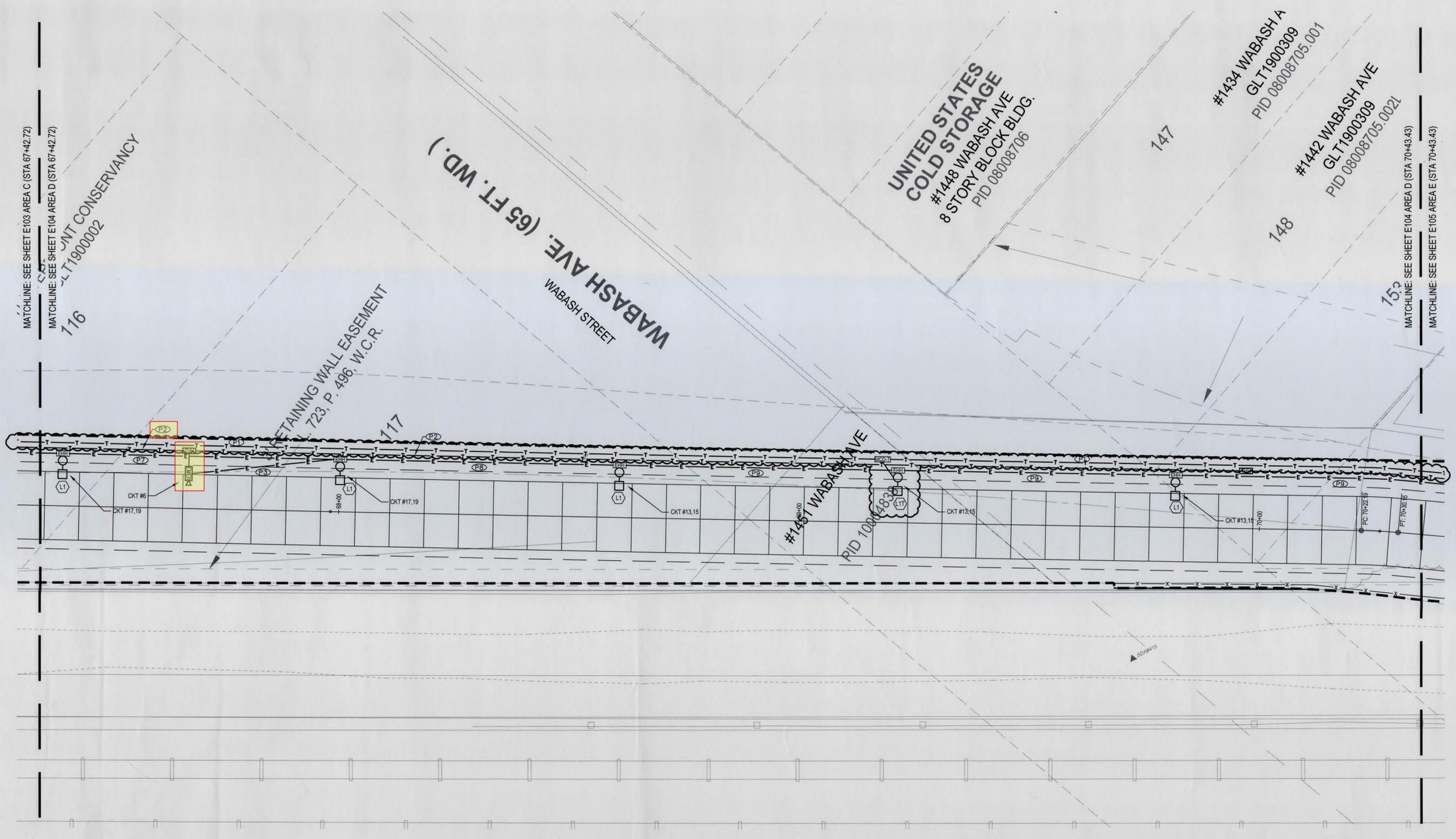
0 FULL SIZE 10
0 HALF SIZE 20

SOUTHWEST GREENWAY
ISSUED FOR: BULLETIN 12
ISSUE DATE: 05/04/2023

ELECTRICAL GENERAL NOTES AND LEGEND

DRAWING	VALUE
E001	

SEE SHEET G002 FOR LEGEND



MATCHLINE: SEE SHEET E103 AREA C (STA 67+42.72)
MATCHLINE: SEE SHEET E104 AREA D (STA 67+42.72)

716
UNIVERSITY CONSERVANCY
GLT 19000002

RETAINING WALL EASEMENT
723, P. 496, W.C.R.

WABASH AVE. (65 FT. WD.)
WABASH STREET

UNITED STATES
COLD STORAGE
#1448 WABASH AVE
8 STORY BLOCK BLDG.
PID 08008706

#1434 WABASH A
GLT 1900309
PID 08008705.001

#1442 WABASH AVE
GLT 1900309
PID 08008705.002L

MATCHLINE: SEE SHEET E104 AREA D (STA 70+43.43)
MATCHLINE: SEE SHEET E105 AREA E (STA 70+43.43)

SEE SHEET G002 FOR LEGEND

ISSUANCES (SUBMITTAL DATE:)							
NO.	DATE	AUTH	DESCRIPTION	NO.	DATE	AUTH	DESCRIPTION

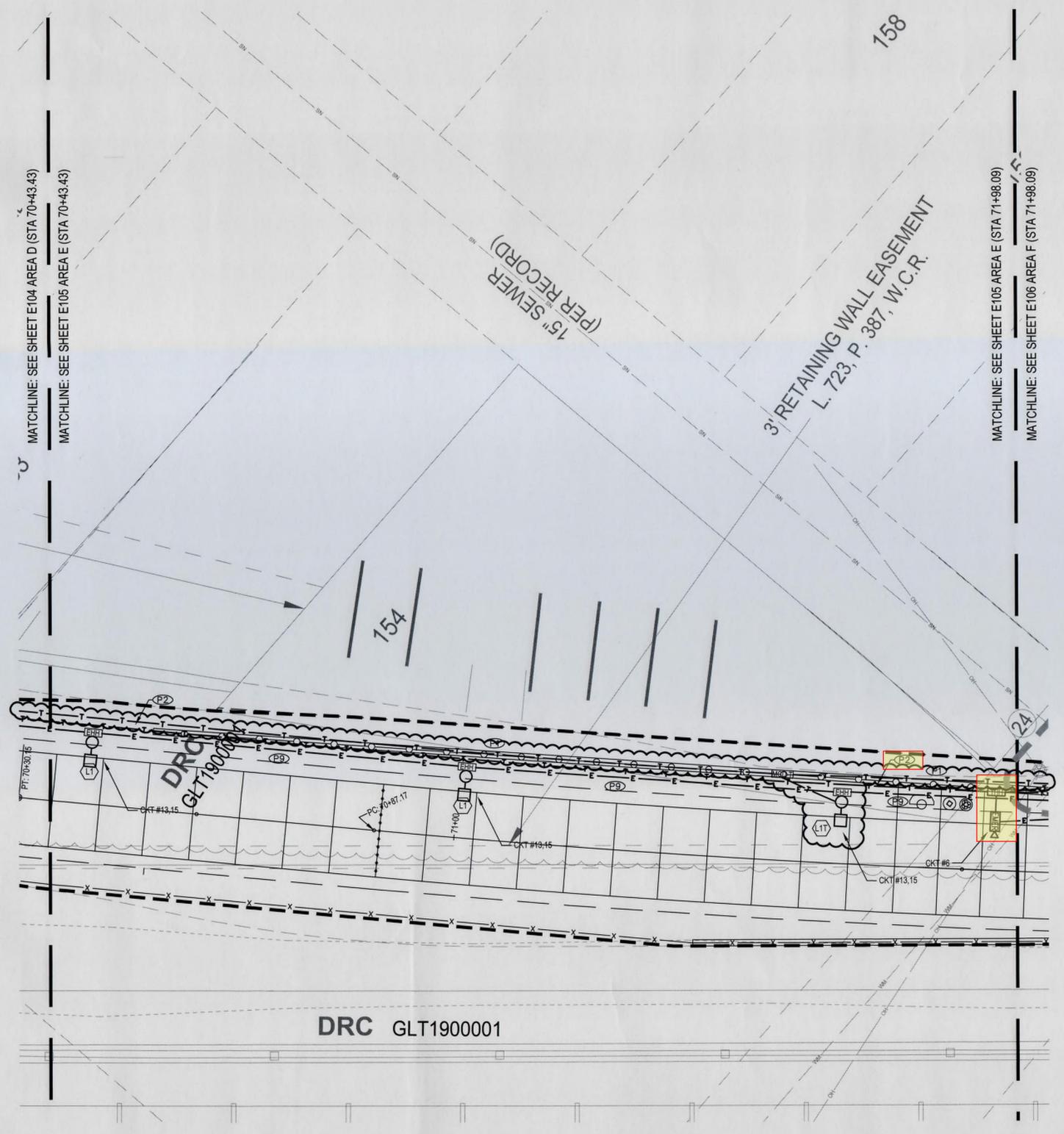
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ELECTRICAL PLAN - AREA D

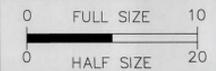
DRAWING	VALUE
E104	



SEE SHEET G002 FOR LEGEND

ISSUANCES (SUBMITTAL DATE:)							
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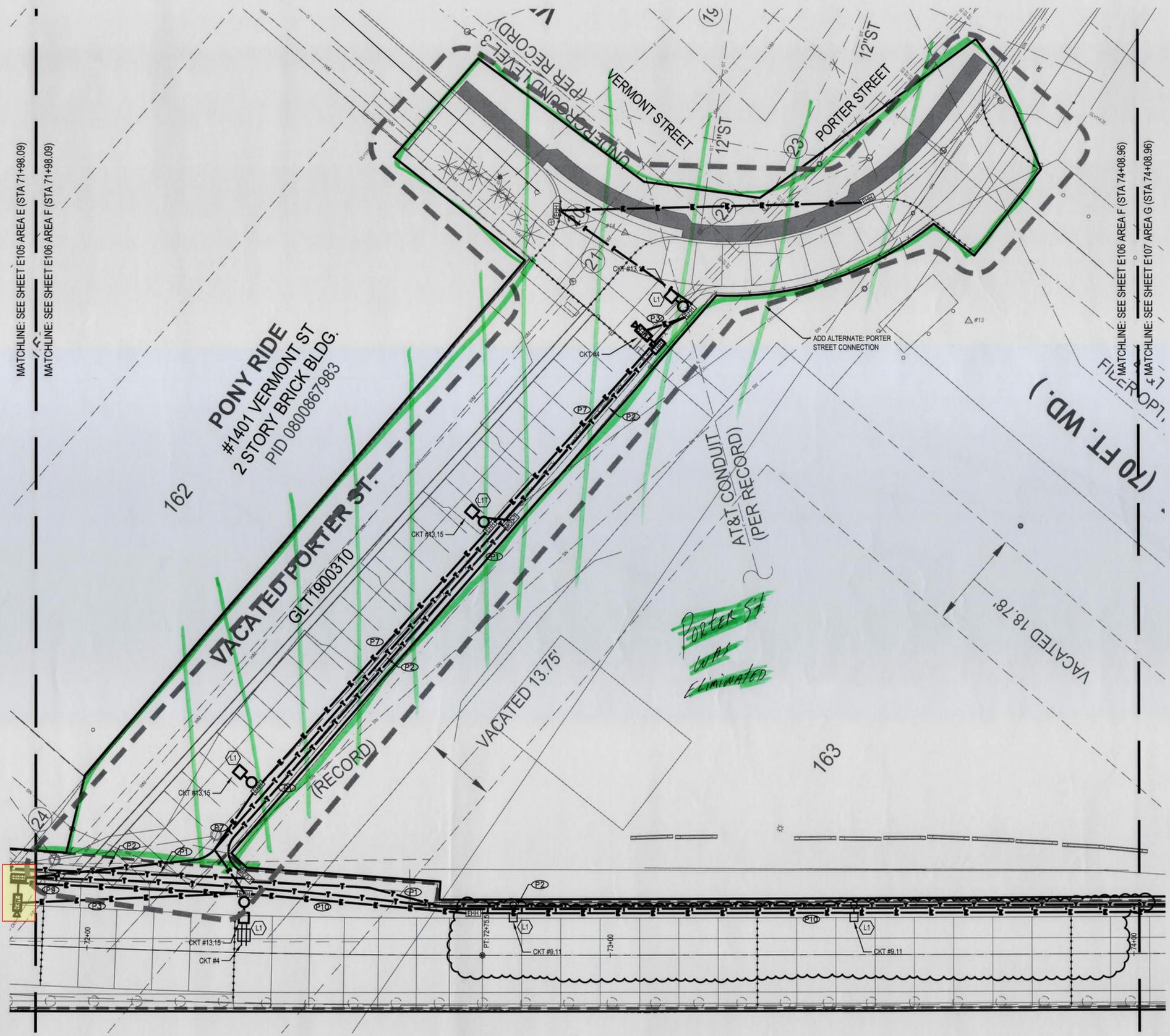
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ELECTRICAL PLAN - AREA E

DRAWING	VALUE
E105	



MATCHLINE: SEE SHEET E105 AREA E (STA 71+98.09)
MATCHLINE: SEE SHEET E106 AREA F (STA 71+98.09)

MATCHLINE: SEE SHEET E106 AREA F (STA 74+08.96)
MATCHLINE: SEE SHEET E107 AREA G (STA 74+08.96)

PONY RIDE
#1401 VERMONT ST
2 STORY BRICK BLDG.
PID 0800867983

VACATED PORTER ST.
GLT1900310
(RECORD)

AT&T CONDUIT
(PER RECORD)

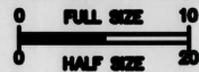
*Porter St.
was
eliminated*

(70 FT. WD.)
FILER OPT.

SEE SHEET G002 FOR LEGEND

ISSUANCES (SUBMITTAL DATE:)							
NO.	DATE	AUTH	DESCRIPTION	NO.	DATE	AUTH	DESCRIPTION
1	05-04-23	SJT	BULLETIN 12				

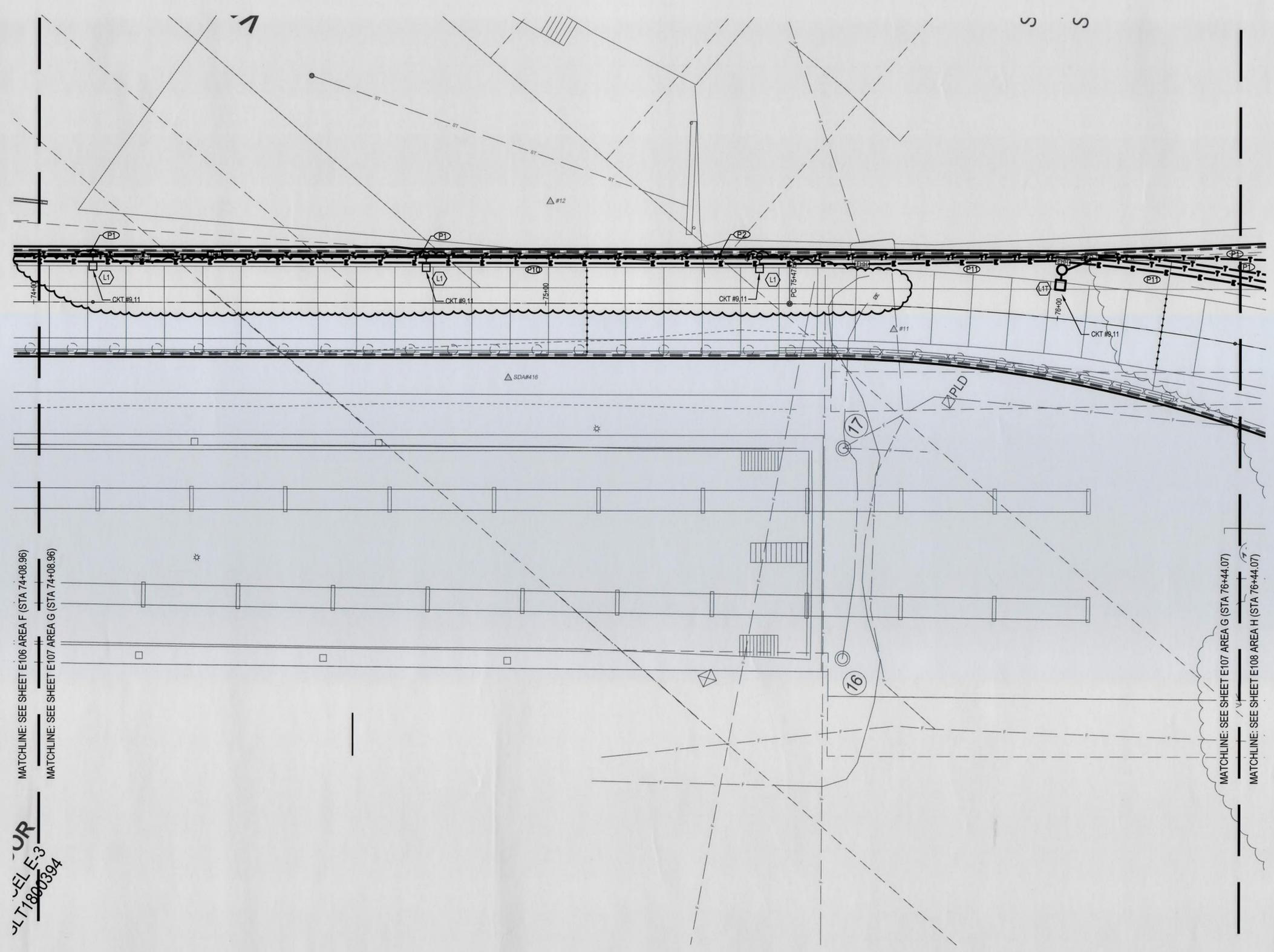
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ISSUE DATE: 05/04/2023

ELECTRICAL PLAN - AREA F

DRAWING	VALUE
E106	



MATCHLINE: SEE SHEET E106 AREA F (STA 74+08.96)
MATCHLINE: SEE SHEET E107 AREA G (STA 74+08.96)

REV
E-3
11/18/200394

MATCHLINE: SEE SHEET E107 AREA G (STA 76+44.07)
MATCHLINE: SEE SHEET E108 AREA H (STA 76+44.07)

SEE SHEET G002 FOR LEGEND

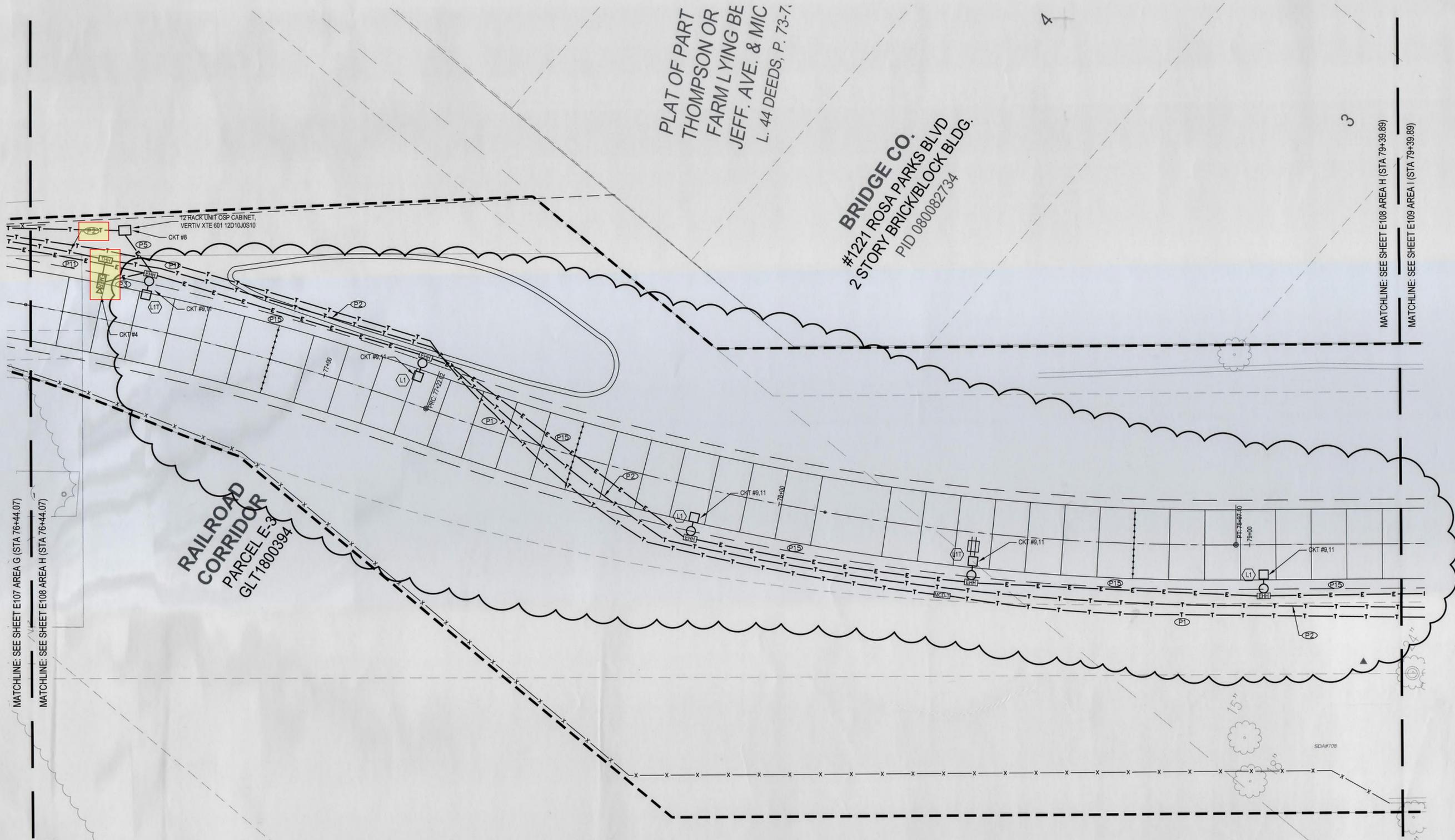
ISSUANCES (SUBMITTAL DATE:)								SMITHGROUP 201 DEPOT STREET SECOND FLOOR ANN ARBOR, MI 48104 www.smithgroup.com			SOUTHWEST GREENWAY		DRAWING	VALUE
NO.	DATE	AUTH	DESCRIPTION	NO.	DATE	AUTH	DESCRIPTION				ISSUED FOR: BULLETIN 12	ISSUE DATE: 05/04/2023		
1	05-04-23	SJT	BULLETIN 12									E107		

ELECTRICAL PLAN - AREA G

PLAT OF PART
THOMPSON OR
FARM LYING BE
JEFF. AVE. & MIC
L. 44 DEEDS, P. 73-7.

BRIDGE CO.
#1221 ROSA PARKS BLVD
2-STORY BRICK/BLOCK BLDG.
PID 080082734

RAILROAD
CORRIDOR
PARCEL E-3
GLT1800394



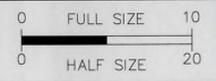
MATCHLINE: SEE SHEET E107 AREA G (STA 76+44.07)
MATCHLINE: SEE SHEET E108 AREA H (STA 76+44.07)

MATCHLINE: SEE SHEET E108 AREA H (STA 79+39.89)
MATCHLINE: SEE SHEET E109 AREA I (STA 79+39.89)

SEE SHEET G002 FOR LEGEND

ISSUANCES (SUBMITTAL DATE:)							
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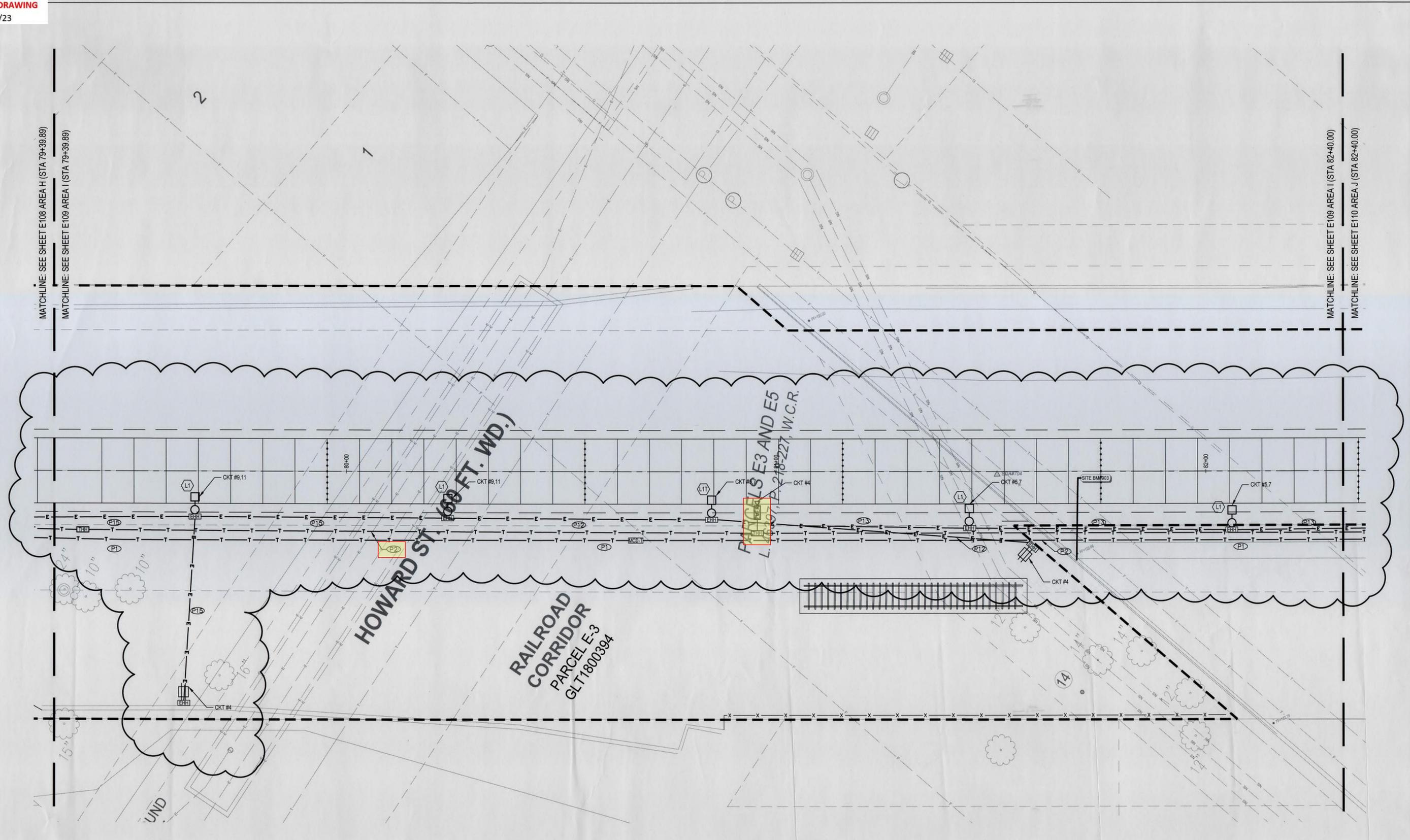
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ISSUE DATE: 11/04/2022

ELECTRICAL PLAN - AREA H

DRAWING	VALUE
E108	



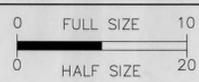
MATCHLINE: SEE SHEET E108 AREA H (STA 79+39.89)
MATCHLINE: SEE SHEET E109 AREA I (STA 79+39.89)

MATCHLINE: SEE SHEET E109 AREA I (STA 82+40.00)
MATCHLINE: SEE SHEET E110 AREA J (STA 82+40.00)

SEE SHEET G002 FOR LEGEND

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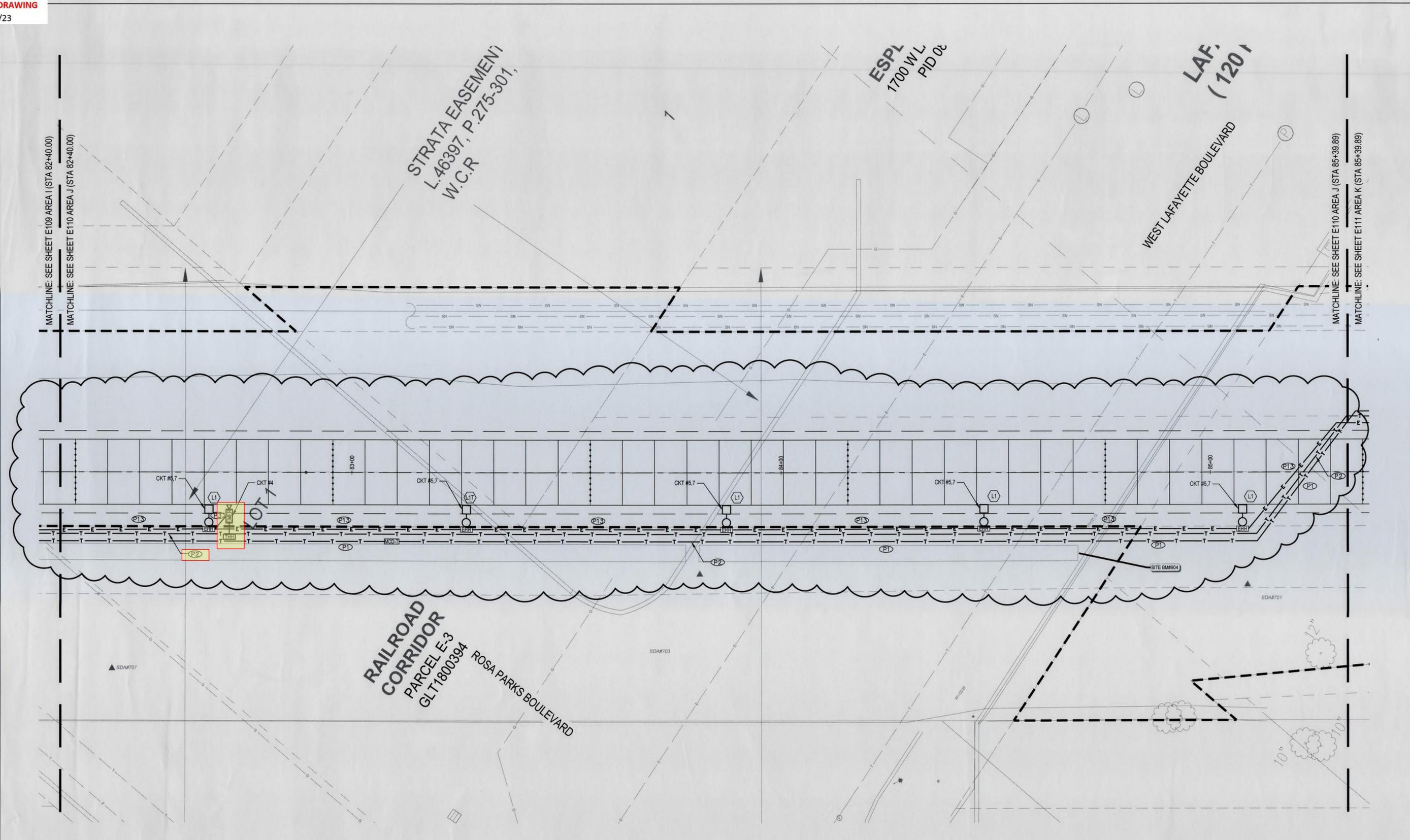
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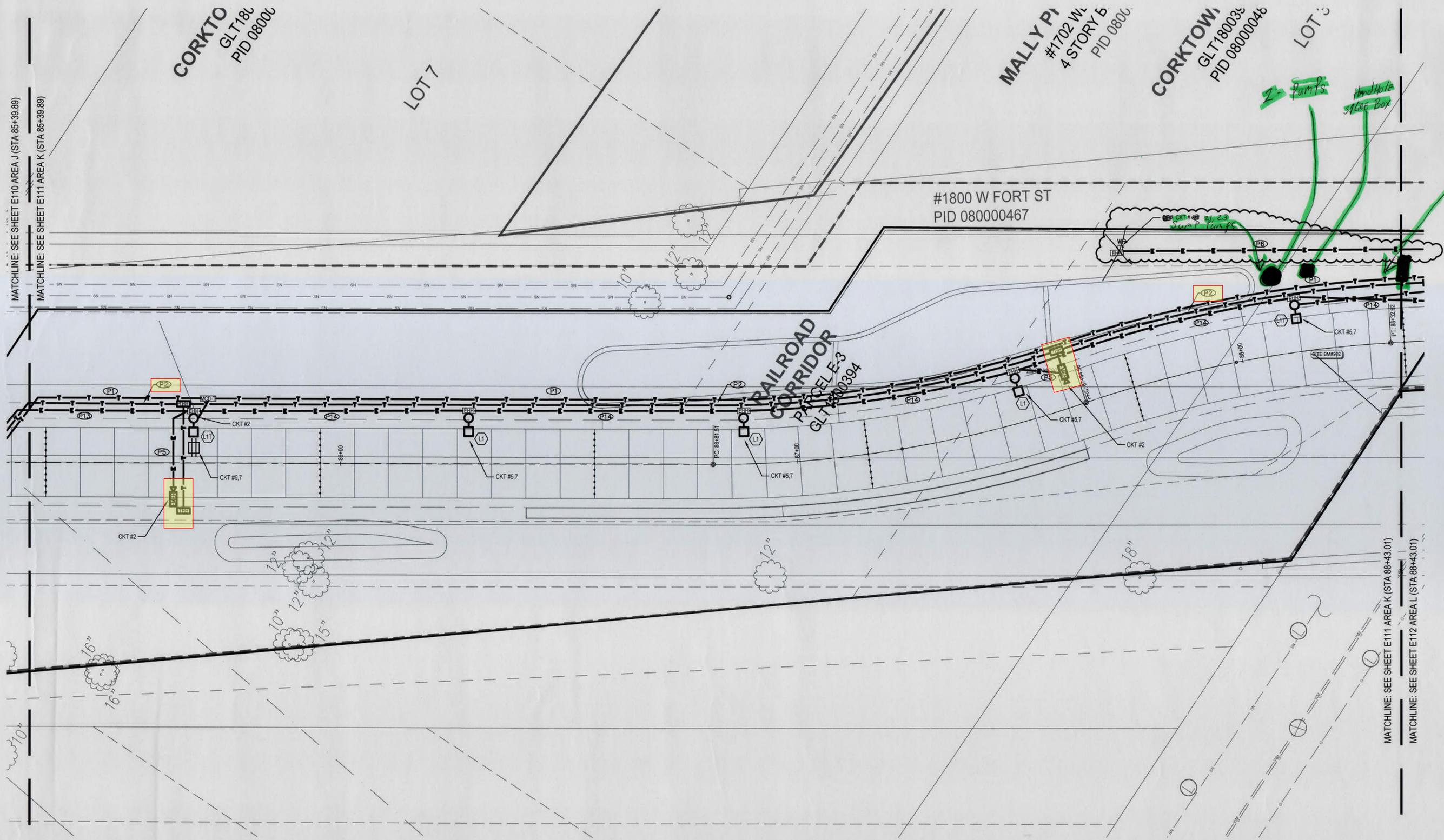
ELECTRICAL PLAN - AREA I

DRAWING	VALUE
E109	



SEE SHEET G002 FOR LEGEND

ISSUANCES (SUBMITTAL DATE:)						SMITHGROUP 201 DEPOT STREET SECOND FLOOR ANN ARBOR, MI 48104 www.smithgroup.com 734.662.4457		0 FULL SIZE 10 0 HALF SIZE 20	SOUTHWEST GREENWAY		DRAWING	VALUE
NO.	DATE	AUTH	DESCRIPTION	NO.	DATE				AUTH	DESCRIPTION		
									ISSUED FOR: BULLETIN 10	ELECTRICAL PLAN - AREA J	E110	
									ISSUE DATE: 11/04/2022			

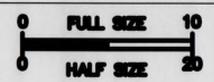


control panel and wall
2/23
2 Pole
40 Amps

SEE SHEET G002 FOR LEGEND

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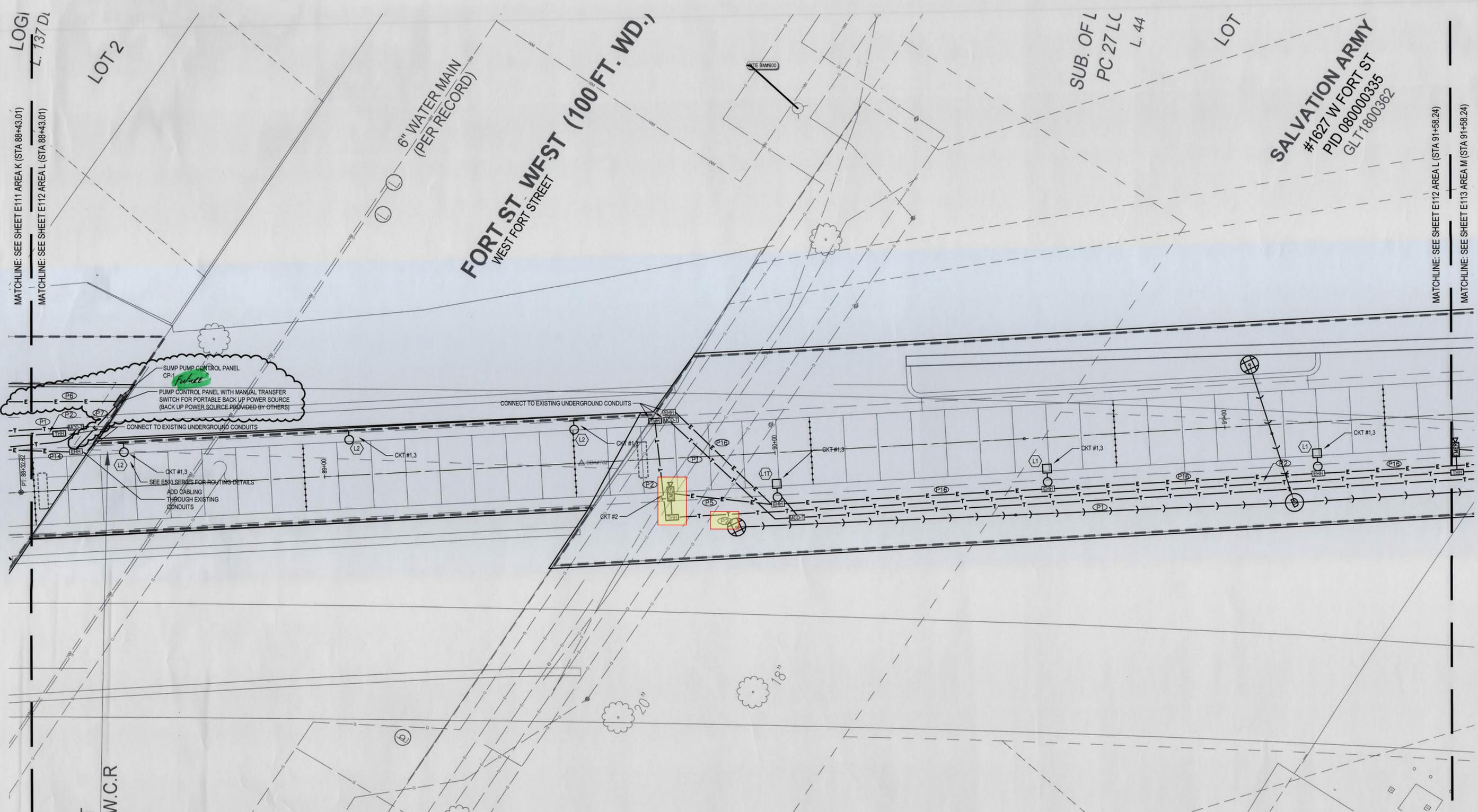
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ISSUE DATE: 05/04/2023

ELECTRICAL PLAN - AREA K

DRAWING	VALUE
E111	



LOGI
L. 137 D1
MATCHLINE: SEE SHEET E111 AREA K (STA 88+43.01)
MATCHLINE: SEE SHEET E112 AREA L (STA 88+43.01)

SUB. OF L
PC 27 LC
L. 44

LOT
SALVATION ARMY
#1627 W FORT ST
PID 080000335
GLT1800362

MATCHLINE: SEE SHEET E112 AREA L (STA 91+58.24)
MATCHLINE: SEE SHEET E113 AREA M (STA 91+58.24)

SUMP PUMP CONTROL PANEL CP-1
PUMP CONTROL PANEL WITH MANUAL TRANSFER SWITCH FOR PORTABLE BACK UP POWER SOURCE (BACK UP POWER SOURCE PROVIDED BY OTHERS)
CONNECT TO EXISTING UNDERGROUND CONDUITS

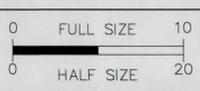
CKT #1.3
SEE E500 SERIES FOR ROUTING DETAILS
ADD CABLING THROUGH EXISTING CONDUITS

W.C.R

SEE SHEET G002 FOR LEGEND

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1	05-04-23	SJT	BULLETIN 12				

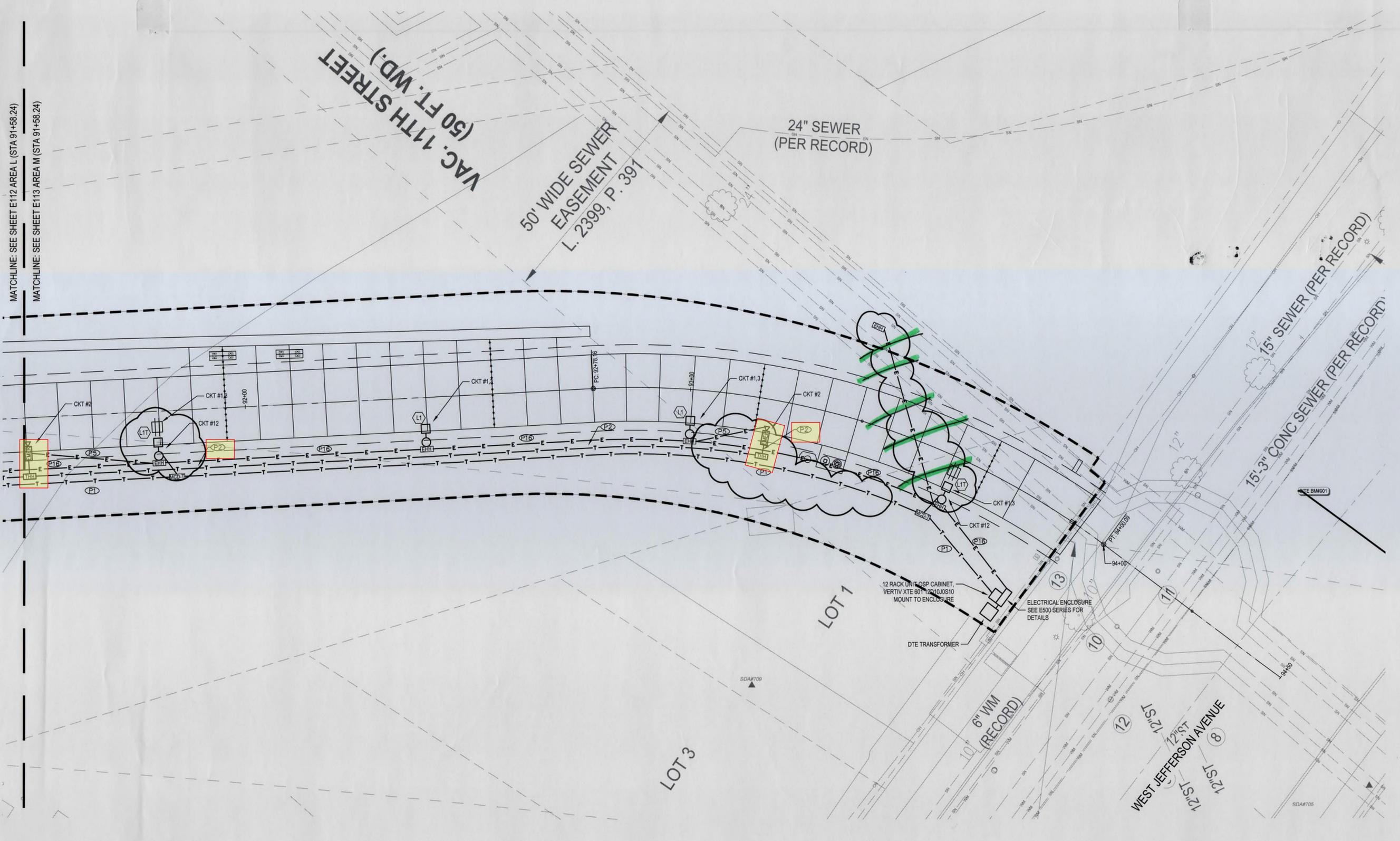
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ELECTRICAL PLAN - AREA L

DRAWING	VALUE
E112	

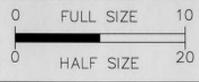


MATCHLINE: SEE SHEET E112 AREA L (STA 91+58.24)
MATCHLINE: SEE SHEET E113 AREA M (STA 91+58.24)

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ISSUE DATE: 11/04/2022

ELECTRICAL PLAN - AREA M

DRAWING	VALUE
E113	