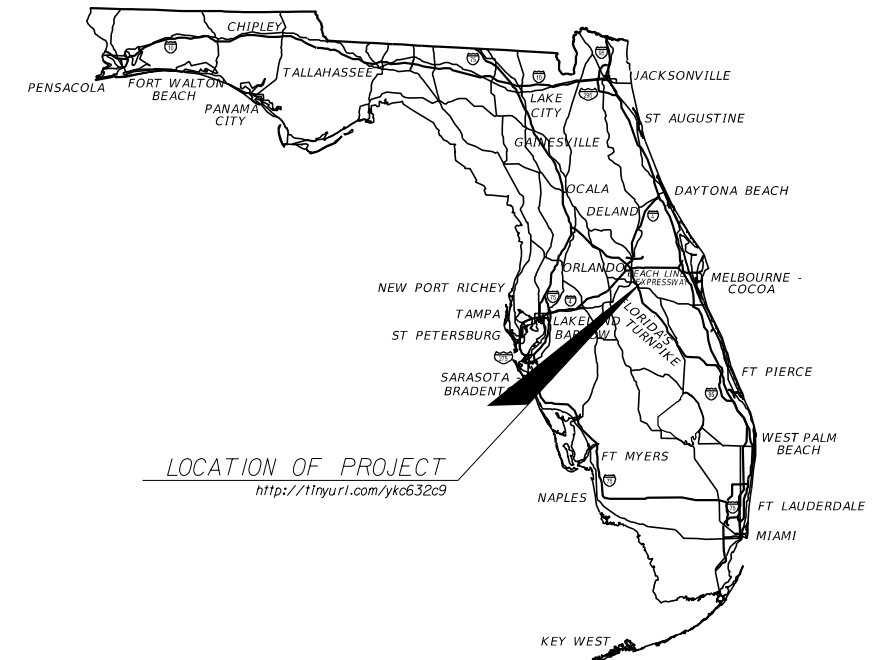




**OSCEOLA COUNTY**  
**ENGINEERING DEPARTMENT**  
 1 Courthouse Square, Suite 1100  
 Kissimmee, Florida 34741-5488  
 Voice: (407) 343-2600 Fax (407) 343-2623

**BOARD OF COUNTY COMMISSIONERS**  
**OSCEOLA COUNTY, FLORIDA**  
**ENGINEERING DEPARTMENT**  
 LIGHTING  
 PLANS FOR  
 COUNTY CONTRACT NO. PS-22-13174-DG  
 JACK BRACK ROAD WIDENING  
 FROM NARCOOSSEE ROAD TO ABSHER ROAD



**INDEX OF LIGHTING PLANS**

SHEET NO.	SHEET DESCRIPTION
L-1	KEY SHEET
L-2	SIGNATURE SHEET
L-3 - L-6	TABULATION OF QUANTITIES
L-7	GENERAL NOTES
L-8 - L-9	POLE DATA AND LEGEND
L-10	PROJECT LAYOUT
L-11 - L-35	LIGHTING PLAN
L-36	PANEL BOARD SCHEDULES

**GOVERNING STANDARD PLANS:**

Florida Department of Transportation, FY 2024-25 Standard Plans for Road and Bridge Construction and applicable Interim Revisions (IRs).

Standard Plans for Road Construction and associated IRs are available at the following website: <http://www.fdot.gov/design/standardplans>

**GOVERNING STANDARD SPECIFICATIONS:**

Florida Department of Transportation, FY 2024-25 Standard Specifications for Road and Bridge Construction at the following website: <http://www.fdot.gov/programmanagement/Implemented/SpecBooks>

Osceola County Board of County Commissioners Road Construction Specifications at the following website: <http://11nyurl.com/ykc2mzhpp>

**BOARD OF COUNTY COMMISSIONERS**

PEGGY CHOUDHRY	DISTRICT 1
VIVIANA JANER	DISTRICT 2
BRANDON ARRINGTON	DISTRICT 3
CHERYL GRIEB	DISTRICT 4
RICKY BOOTH	DISTRICT 5

**COUNTY ADMINISTRATION**

DON FISHER, COUNTY MANAGER

**PUBLIC WORKS DEPARTMENT**

MEHUL PAREKH, P.E., PUBLIC WORKS DIRECTOR  
 STEVEN KANE, P.E., TRANSPORTATION & TRANSIT DIRECTOR

**LIGHTING PLANS**  
**ENGINEER OF RECORD:**

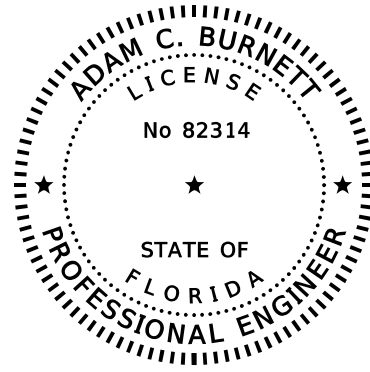
ADAM C. BURNETT NO.: 82314  
 INWOOD CONSULTING ENGINEERS  
 3000 DOVERA DRIVE, SUITE 200  
 OVIEDO, FLORIDA 32765  
 P: 407.971.8850 F:407.971.8955  
 VENDOR NO.: F593216593003

**OSCEOLA COUNTY PROJECT MANAGER**

JOSE J. SANTIAGO, CFM

**60% SUBMITTAL**  
**APRIL 2024**

FISCAL YEAR	SHEET NO.
	L-1



THIS ITEM HAS BEEN DIGITALLY  
SIGNED AND SEALED BY

ON THE DATE ADJACENT TO THE SEAL

PRINTED COPIES OF THIS DOCUMENT ARE  
NOT CONSIDERED SIGNED AND SEALED  
AND THE SIGNATURE MUST BE VERIFIED  
ON ANY ELECTRONIC COPIES.

THE ABOVE NAMED PROFESSIONAL ENGINEER SHALL BE RESPONSIBLE FOR THE  
FOLLOWING SHEETS IN ACCORDANCE WITH RULE 61G15-23.004, F.A.C.

SHEET NO.	SHEET DESCRIPTION
L-1	KEY SHEET
L-2	SIGNATURE SHEET
L-3 - L-6	TABULATION OF QUANTITIES
L-7	GENERAL NOTES
L-8 - L-9	POLE DATA AND LEGEND
L-10	PROJECT LAYOUT
L-11 - L-35	LIGHTING PLAN
L-36	PANEL BOARD SCHEDULES

REVISIONS		
DATE	BY	DESCRIPTION

**JACK BRACK ROAD  
WIDENING**

ENGINEER OF RECORD

Adam C. Burnett, PE  
PE No. 82314  
Inwood Consulting Engineers, Inc.  
3000 Dovera Drive, Suite 200  
Oviedo, Florida 32765



OSCEOLA COUNTY  
ENGINEERING DEPARTMENT  
1 Courthouse Square, Suite 1100  
Kissimmee, Florida 34741-5488  
Voice: (407) 343-2600 Fax (407) 343-2623

**SIGNATURE SHEET**

SHEET  
NO.

L-2

TABULATION OF QUANTITIES

PAY ITEM NO.	DESCRIPTION	UNIT	SHEET NUMBERS														TOTAL THIS SHEET		GRAND TOTAL	
			L-11		L-12		L-13		L-14		L-15		L-16		L-17		PLAN	FINAL	PLAN	FINAL
			PLAN	FINAL	PLAN	FINAL	PLAN	FINAL	PLAN	FINAL	PLAN	FINAL	PLAN	FINAL						
630-2-11	CONDUIT, F&I, OPEN TRENCH	LF	163		1089		1025		1119		980		868		824		6068			
630-2-12	CONDUIT, F&I, DIRECTIONAL BORE	LF	267		32		97				242		251		297		1186			
635-2-11	PULL & SPLICE BOX, F&I, 13" X 24" COVER SIZE	EA	3		5		5		4		4		6		6		33			
715-1-12	LIGHTING CONDUCTORS, F&I, INSULATED, NO.8 TO NO.6	LF	1434		3723		3678		3645		4414		3741		3747		24382			
715-7-11	LOAD CENTER, F&I, SECONDARY VOLTAGE	EA									1						1			
715-61-321	LIGHT POLE COMPLETE, F&I STANDARD POLE FOUNDATION, 40' MOUNTING HEIGHT, 10' ARM LENGTH	EA	1		4		3		4		3		4		4		23			
715-62-321	LIGHT POLE COMPLETE, F&I, STANDARD POLE SPECIAL FOUNDATION, 40' MOUNTING HEIGHT, 10' ARM LENGTH	EA	1														1			
715-500-01	POLE CABLE DISTRIBUTION SYSTEM, F&I, CONVENTIONAL	EA	2		4		3		4		3		4		4		24			

REVISIONS		
DATE	BY	DESCRIPTION

**JACK BRACK ROAD  
WIDENING**

ENGINEER OF RECORD  
Adam C. Burnett, PE  
PE No. 82314  
Inwood Consulting Engineers, Inc.  
3000 Dovera Drive, Suite 200  
Oviedo, Florida 32765



**TABULATION OF  
QUANTITIES**

SHEET NO.  
**L-3**

THE OFFICIAL RECORD OF THIS SHEET IS THE ELECTRONIC FILE DIGITALLY SIGNED AND SEALED UNDER RULE 61G15-23.004, F.A.C.

TABULATION OF QUANTITIES

PAY ITEM NO.	DESCRIPTION	UNIT	SHEET NUMBERS														TOTAL THIS SHEET		GRAND TOTAL	
			L-18		L-19		L-20		L-21		L-22		L-23		L-24		PLAN	FINAL	PLAN	FINAL
			PLAN	FINAL	PLAN	FINAL	PLAN	FINAL	PLAN	FINAL	PLAN	FINAL	PLAN	FINAL						
630-2-11	CONDUIT, F&I, OPEN TRENCH	LF	1006		579		988		1128		1117		928		895		6641			
630-2-12	CONDUIT, F&I, DIRECTIONAL BORE	LF	114				95						284		126		619			
635-2-11	PULL & SPLICE BOX, F&I, 13" X 24" COVER SIZE	EA	4		4		7		4		4		5		5		33			
715-1-12	LIGHTING CONDUCTORS, F&I, INSULATED, NO.8 TO NO.6	LF	3624		1977		3729		3672		3639		4376		3399		24416			
715-7-11	LOAD CENTER, F&I, SECONDARY VOLTAGE	EA											1				1			
715-61-321	LIGHT POLE COMPLETE, F&I STANDARD POLE FOUNDATION, 40' MOUNTING HEIGHT, 10' ARM LENGTH	EA	3		4		7		4		4		3		4		29			
715-62-321	LIGHT POLE COMPLETE, F&I, STANDARD POLE SPECIAL FOUNDATION, 40' MOUNTING HEIGHT, 10' ARM LENGTH	EA																		
715-500-01	POLE CABLE DISTRIBUTION SYSTEM, F&I, CONVENTIONAL	EA	3		4		7		4		4		3		4		29			

REVISIONS		
DATE	BY	DESCRIPTION

**JACK BRACK ROAD  
WIDENING**

**ENGINEER OF RECORD**  
Adam C. Burnett, PE  
PE No. 82314  
Inwood Consulting Engineers, Inc.  
3000 Dovera Drive, Suite 200  
Oviedo, Florida 32765



**TABULATION OF  
QUANTITIES**

SHEET NO.  
**L-4**

TABULATION OF QUANTITIES

PAY ITEM NO.	DESCRIPTION	UNIT	SHEET NUMBERS														TOTAL THIS SHEET		GRAND TOTAL	
			L-25		L-26		L-27		L-28		L-29		L-30		L-31		PLAN	FINAL	PLAN	FINAL
			PLAN	FINAL	PLAN	FINAL	PLAN	FINAL	PLAN	FINAL	PLAN	FINAL	PLAN	FINAL						
630-2-11	CONDUIT, F&I, OPEN TRENCH	LF	1120		1120		611		750		1116		1015		1134		6866			
630-2-12	CONDUIT, F&I, DIRECTIONAL BORE	LF					112		156		9		100		93		470			
635-2-11	PULL & SPLICE BOX, F&I, 13" X 24" COVER SIZE	EA	4		4		4		5		4		4		5		30			
715-1-12	LIGHTING CONDUCTORS, F&I, INSULATED, NO.8 TO NO.6	LF	3648		3648		2385		3006		3663		3633		4451		24434			
715-7-11	LOAD CENTER, F&I, SECONDARY VOLTAGE	EA													1		1			
715-61-321	LIGHT POLE COMPLETE, F&I STANDARD POLE FOUNDATION, 40' MOUNTING HEIGHT, 10' ARM LENGTH	EA	4		4		3		4		4		3		4		26			
715-62-321	LIGHT POLE COMPLETE, F&I, STANDARD POLE SPECIAL FOUNDATION, 40' MOUNTING HEIGHT, 10' ARM LENGTH	EA																		
715-500-01	POLE CABLE DISTRIBUTION SYSTEM, F&I, CONVENTIONAL	EA	4		4		3		4		4		3		4		26			

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REVISIONS		
DATE	BY	DESCRIPTION

**JACK BRACK ROAD  
WIDENING**

ENGINEER OF RECORD  
Adam C. Burnett, PE  
PE No. 82314  
Inwood Consulting Engineers, Inc.  
3000 Dovera Drive, Suite 200  
Oviedo, Florida 32765



**TABULATION OF  
QUANTITIES**

SHEET NO.  
**L-5**

TABULATION OF QUANTITIES

PAY ITEM NO.	DESCRIPTION	UNIT	SHEET NUMBERS												TOTAL THIS SHEET		GRAND TOTAL	
			L-32		L-33		L-34		L-35		PLAN	FINAL	PLAN	FINAL	PLAN	FINAL	PLAN	FINAL
			PLAN	FINAL	PLAN	FINAL	PLAN	FINAL	PLAN	FINAL								
630-2-11	CONDUIT, F&I, OPEN TRENCH	LF	1119		980		1121		358								3578	23153
630-2-12	CONDUIT, F&I, DIRECTIONAL BORE	LF			140												140	2415
635-2-11	PULL & SPLICE BOX, F&I, 13" X 24" COVER SIZE	EA	4		6		4		2								16	112
715-1-12	LIGHTING CONDUCTORS, F&I, INSULATED, NO.8 TO NO.6	LF	3645		3720		3651		1170								12186	85418
715-7-11	LOAD CENTER, F&I, SECONDARY VOLTAGE	EA																3
715-61-321	LIGHT POLE COMPLETE, F&I STANDARD POLE FOUNDATION, 40' MOUNTING HEIGHT, 10' ARM LENGTH	EA	4		3		4		2								13	91
715-62-321	LIGHT POLE COMPLETE, F&I, STANDARD POLE SPECIAL FOUNDATION, 40' MOUNTING HEIGHT, 10' ARM LENGTH	EA																1
715-500-01	POLE CABLE DISTRIBUTION SYSTEM, F&I, CONVENTIONAL	EA	4		3		4		2								13	92

REVISIONS		
DATE	BY	DESCRIPTION

**JACK BRACK ROAD  
WIDENING**

ENGINEER OF RECORD  
Adam C. Burnett, PE  
PE No. 82314  
Inwood Consulting Engineers, Inc.  
3000 Dovera Drive, Suite 200  
Oviedo, Florida 32765



**TABULATION OF  
QUANTITIES**


SHEET  
NO.  
L-6

THE OFFICIAL RECORD OF THIS SHEET IS THE ELECTRONIC FILE DIGITALLY SIGNED AND SEALED UNDER RULE 61G15-23.004, F.A.C.

NOTE:

1. INSTALL ALL OPEN TRENCH CONDUIT FOR LIGHTING CIRCUITS PRIOR TO CONSTRUCTION OF CONCRETE SIDEWALKS AND DRIVEWAYS

THE OFFICIAL RECORD OF THIS SHEET IS THE ELECTRONIC FILE DIGITALLY SIGNED AND SEALED UNDER RULE 61G15-23.004, F.A.C.

REVISIONS			ENGINEER OF RECORD	OSCEOLA COUNTY ENGINEERING DEPARTMENT	GENERAL NOTES	SHEET NO.
DATE	BY	DESCRIPTION				L-7
			Adam C. Burnett, PE PE No. 82314 Inwood Consulting Engineers, Inc. 3000 Dovera Drive, Suite 200 Oviedo, Florida 32765	 1 Courthouse Square, Suite 1100 Kissimmee, Florida 34741-5488 Voice: (407) 343-2600 Fax (407) 343-2623		

**LIGHTING DESIGN CRITERIA**

**CORRIDOR LIGHTING (OTHER ROADWAYS)**

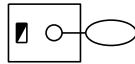
Average Initial Intensity 1.0 std., 1.1 max. H.F.C.  
 Uniformity Ratio Avg./Min. 4:1 Or Less  
 Max./Min. 10:1 Or Less  
 Veiling Luminance (Max.) 0.3:1 Or Less  
 Design Wind Speed 160 MPH

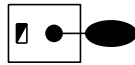
**SIGNALIZED INTERSECTION (NEW CONSTRUCTION)**

Average Initial Intensity 3.0 std., 1.5 min. H.F.C.  
 1.5 std., 1.2 min. V.F.C.  
 Uniformity Ratio Avg./Min. 4:1 Or Less  
 Max./Min. 10:1 Or Less  
 Design Wind Speed 160 MPH

**LEGEND**

**SYMBOLS DESCRIPTION**

 122 WATT LUMINAIRE DESIGNED FOR MEDIUM, TYPE IV DISTRIBUTION (B3-U0-G3) WIRED FOR 480 VOLT OPERATION. PROPOSED LIGHT POLE WITH 10' ARM LENGTH AND 40' MOUNTING HEIGHT. THE BASIS OF DESIGN USED IS A COOPER LIGHTING SOLUTIONS ARCHEON MEDIUM, MODEL NO.: ARCH-M-PA2-120-740-U-T3. SYMBOL INCLUDES POLE, FIXTURE, PULL BOX, FOUNDATION, CONCRETE APRON, AND PCDS. PCDS AND PULL BOX PAID FOR SEPARATELY.

 122 WATT LUMINAIRE DESIGNED FOR MEDIUM, TYPE II DISTRIBUTION (B2-U0-G3) WIRED FOR 480 VOLT OPERATION. PROPOSED LIGHT POLE WITH 10' ARM LENGTH AND 40' MOUNTING HEIGHT. THE BASIS OF DESIGN USED IS A COOPER LIGHTING SOLUTIONS ARCHEON MEDIUM, MODEL NO.: ARCH-M-PA2-120-740-U-T2R. SYMBOL INCLUDES POLE, FIXTURE, PULL BOX, FOUNDATION, CONCRETE APRON, AND PCDS. PCDS AND PULL BOX PAID FOR SEPARATELY.

 LIGHTING LOAD CENTER

 OPEN TRENCH CONDUIT

 DIRECTIONAL BORE CONDUIT

 PULL BOX AND CONCRETE APRON

**POLE DATA**

POLE NO.	LOAD CENTER/ CIRCUIT	STATION AND OFFSET	ORIENTATION	LUMINAIRE TYPE	LUMINAIRE WATTAGE	LUMINAIRE MAKE/MODEL	MOUNTING HEIGHT (FT)	ARM LENGTH (FT)	POLE TYPE	FOUNDATION TYPE	PAY ITEM
1	LCA/ A-1	101+86.38, 43' LT.	270	LED	122	ARCH-M-PA2-120-740-8-T3	40	10	STANDARD	STANDARD	715-61-321
2	LCA/ A-3	103+46.68, 47' RT.	90	LED	122	ARCH-M-PA2-120-740-8-T3	40	10	STANDARD	SPECIAL	715-62-321
3	LCA/ A-1	105+06.93, 43' LT.	270	LED	122	ARCH-M-PA2-120-740-8-T3	40	10	STANDARD	STANDARD	715-61-321
4	LCA/ A-3	106+68.46, 46' RT.	90	LED	122	ARCH-M-PA2-120-740-8-T3	40	10	STANDARD	STANDARD	715-61-321
5	LCA/ A-1	108+28.20, 43' LT.	270	LED	122	ARCH-M-PA2-120-740-8-T3	40	10	STANDARD	STANDARD	715-61-321
6	LCA/ A-3	109+88.87, 45' RT.	90	LED	122	ARCH-M-PA2-120-740-8-T3	40	10	STANDARD	STANDARD	715-61-321
7	LCA/ A-1	111+49.30, 43' LT.	270	LED	122	ARCH-M-PA2-120-740-8-T3	40	10	STANDARD	STANDARD	715-61-321
8	LCA/ A-3	113+10.05, 40' RT.	90	LED	122	ARCH-M-PA2-120-740-8-T3	40	10	STANDARD	STANDARD	715-61-321
9	LCA/ A-1	114+71.14, 42' LT.	270	LED	122	ARCH-M-PA2-120-740-8-T3	40	10	STANDARD	STANDARD	715-61-321
10	LCA/ A-3	116+32.84, 40' RT.	90	LED	122	ARCH-M-PA2-120-740-8-T3	40	10	STANDARD	STANDARD	715-61-321
11	LCA/ A-1	117+89.57, 39' LT.	270	LED	122	ARCH-M-PA2-120-740-8-T3	40	10	STANDARD	STANDARD	715-61-321
12	LCA/ A-3	119+48.69, 39' RT.	90	LED	122	ARCH-M-PA2-120-740-8-T3	40	10	STANDARD	STANDARD	715-61-321
13	LCA/ A-1	121+04.80, 41' LT.	270	LED	122	ARCH-M-PA2-120-740-8-T3	40	10	STANDARD	STANDARD	715-61-321
14	LCA/ A-3	122+59.78, 38' RT.	90	LED	122	ARCH-M-PA2-120-740-8-T3	40	10	STANDARD	STANDARD	715-61-321
15	LCA/ A-2	124+18.16, 36' LT.	270	LED	122	ARCH-M-PA2-120-740-8-T3	40	10	STANDARD	STANDARD	715-61-321
16	LCA/ A-4	125+71.35, 47' RT.	88	LED	122	ARCH-M-PA2-120-740-8-T3	40	10	STANDARD	STANDARD	715-61-321
17	LCA/ A-2	127+25.06, 43' LT.	268	LED	122	ARCH-M-PA2-120-740-8-T3	40	10	STANDARD	STANDARD	715-61-321
18	LCA/ A-4	128+80.01, 47' RT.	88	LED	122	ARCH-M-PA2-120-740-8-T3	40	10	STANDARD	STANDARD	715-61-321
19	LCA/ A-2	130+30.23, 43' LT.	268	LED	122	ARCH-M-PA2-120-740-8-T3	40	10	STANDARD	STANDARD	715-61-321
20	LCA/ A-4	131+83.31, 44' RT.	89	LED	122	ARCH-M-PA2-120-740-8-T3	40	10	STANDARD	STANDARD	715-61-321
21	LCA/ A-2	133+35.06, 43' LT.	269	LED	122	ARCH-M-PA2-120-740-8-T3	40	10	STANDARD	STANDARD	715-61-321
22	LCA/ A-4	134+93.29, 40' RT.	89	LED	122	ARCH-M-PA2-120-740-8-T3	40	10	STANDARD	STANDARD	715-61-321
23	LCA/ A-2	136+44.08, 43' LT.	269	LED	122	ARCH-M-PA2-120-740-8-T3	40	10	STANDARD	STANDARD	715-61-321
24	LCA/ A-4	138+11.38, 40' RT.	89	LED	122	ARCH-M-PA2-120-740-8-T3	40	10	STANDARD	STANDARD	715-61-321
25	LCA/ A-2	139+52.24, 43' LT.	269	LED	122	ARCH-M-PA2-120-740-8-T3	40	10	STANDARD	STANDARD	715-61-321
26	LCA/ A-4	141+11.62, 40' RT.	89	LED	122	ARCH-M-PA2-120-740-8-T3	40	10	STANDARD	STANDARD	715-61-321
27	LCA/ A-2	142+71.20, 43' LT.	269	LED	122	ARCH-M-PA2-120-740-8-T3	40	10	STANDARD	STANDARD	715-61-321
28	LCA/ A-4	144+32.85, 40' RT.	90	LED	122	ARCH-M-PA2-120-740-8-T3	40	10	STANDARD	STANDARD	715-61-321
29	LCA/ A-2	145+89.48, 43' LT.	269	LED	122	ARCH-M-PA2-120-740-8-T3	40	10	STANDARD	STANDARD	715-61-321
30	LCA/ A-4	147+51.97, 40' RT.	90	LED	122	ARCH-M-PA2-120-740-8-T3	40	10	STANDARD	STANDARD	715-61-321
31	LCB/ B-1	149+12.89, 43' LT.	269	LED	122	ARCH-M-PA2-120-740-8-T3	40	10	STANDARD	STANDARD	715-61-321
32	LCB/ B-3	150+35.32, 40' RT.	90	LED	122	ARCH-M-PA2-120-740-8-T2R	40	10	STANDARD	STANDARD	715-61-321
33	LCB/ B-1	150+92.30, 45' LT.	304	LED	122	ARCH-M-PA2-120-740-8-T3	40	10	STANDARD	STANDARD	715-61-321
34	LCB/ B-1	151+58.27, 75' LT.	180	LED	122	ARCH-M-PA2-120-740-8-T2R	40	10	STANDARD	STANDARD	715-61-321
35	LCB/ B-3	151+67.08, 47' RT.	90	LED	122	ARCH-M-PA2-120-740-8-T2R	40	10	STANDARD	STANDARD	715-61-321
36	LCB/ B-1	151+83.19, 44' LT.	233	LED	122	ARCH-M-PA2-120-740-8-T3	40	10	STANDARD	STANDARD	715-61-321
37	LCB/ B-1	152+52.61, 47' LT.	270	LED	122	ARCH-M-PA2-120-740-8-T3	40	10	STANDARD	STANDARD	715-61-321
38	LCB/ B-3	154+03.46, 47' RT.	89	LED	122	ARCH-M-PA2-120-740-8-T3	40	10	STANDARD	STANDARD	715-61-321
39	LCB/ B-1	155+56.64, 46' LT.	270	LED	122	ARCH-M-PA2-120-740-8-T3	40	10	STANDARD	STANDARD	715-61-321
40	LCB/ B-3	157+00.25, 47' RT.	105	LED	122	ARCH-M-PA2-120-740-8-T3	40	10	STANDARD	STANDARD	715-61-321
41	LCB/ B-1	158+48.55, 36' LT.	299	LED	122	ARCH-M-PA2-120-740-8-T3	40	10	STANDARD	STANDARD	715-61-321
42	LCB/ B-3	159+97.24, 47' RT.	137	LED	122	ARCH-M-PA2-120-740-8-T3	40	10	STANDARD	STANDARD	715-61-321
43	LCB/ B-1	161+51.40, 43' LT.	324	LED	122	ARCH-M-PA2-120-740-8-T3	40	10	STANDARD	STANDARD	715-61-321
44	LCB/ B-3	163+01.28, 47' RT.	143	LED	122	ARCH-M-PA2-120-740-8-T3	40	10	STANDARD	STANDARD	715-61-321
45	LCB/ B-1	164+52.64, 43' LT.	305	LED	122	ARCH-M-PA2-120-740-8-T3	40	10	STANDARD	STANDARD	715-61-321
46	LCB/ B-3	166+04.63, 47' RT.	111	LED	122	ARCH-M-PA2-120-740-8-T3	40	10	STANDARD	STANDARD	715-61-321
47	LCB/ B-1	167+57.89, 43' LT.	273	LED	122	ARCH-M-PA2-120-740-8-T3	40	10	STANDARD	STANDARD	715-61-321
48	LCB/ B-3	169+04.88, 48' RT.	90	LED	122	ARCH-M-PA2-120-740-8-T3	40	10	STANDARD	STANDARD	715-61-321
49	LCB/ B-2	170+59.42, 43' LT.	270	LED	122	ARCH-M-PA2-120-740-8-T3	40	10	STANDARD	STANDARD	715-61-321
50	LCB/ B-4	172+10.80, 57' RT.	90	LED	122	ARCH-M-PA2-120-740-8-T3	40	10	STANDARD	STANDARD	715-61-321

REVISIONS		
DATE	BY	DESCRIPTION

**JACK BRACK ROAD  
WIDENING**

**ENGINEER OF RECORD**

Adam C. Burnett, PE  
 PE No. 82314  
 Inwood Consulting Engineers, Inc.  
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 1 Courthouse Square, Suite 1100  
 Kissimmee, Florida 34741-5488  
 Voice: (407) 343-2600 Fax (407) 343-2623

**POLE DATA  
AND LEGEND**

SHEET NO.  
**L-8**

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POLE DATA

POLE NO.	LOAD CENTER / CIRCUIT	STATION AND OFFSET	ORIENTATION	LUMINAIRE TYPE	LUMINAIRE WATTAGE	LUMINAIRE MAKE/MODEL	MOUNTING HEIGHT (FT)	ARM LENGTH (FT)	POLE TYPE	FOUNDATION TYPE	PAY ITEM
51	LCB/ B-2	173+55.86, 43' LT.	270	LED	122	ARCH-M-PA2-120-740-8-T3	40	10	STANDARD	STANDARD	715-61-321
52	LCB/ B-4	175+04.42, 50' RT.	90	LED	122	ARCH-M-PA2-120-740-8-T3	40	10	STANDARD	STANDARD	715-61-321
53	LCB/ B-2	176+52.18, 43' LT.	270	LED	122	ARCH-M-PA2-120-740-8-T3	40	10	STANDARD	STANDARD	715-61-321
54	LCB/ B-4	178+03.23, 47' RT.	90	LED	122	ARCH-M-PA2-120-740-8-T3	40	10	STANDARD	STANDARD	715-61-321
55	LCB/ B-2	179+53.86, 43' LT.	270	LED	122	ARCH-M-PA2-120-740-8-T3	40	10	STANDARD	STANDARD	715-61-321
56	LCB/ B-4	181+03.15, 47' RT.	90	LED	122	ARCH-M-PA2-120-740-8-T3	40	10	STANDARD	STANDARD	715-61-321
57	LCB/ B-2	182+51.18, 43' LT.	270	LED	122	ARCH-M-PA2-120-740-8-T3	40	10	STANDARD	STANDARD	715-61-321
58	LCB/ B-4	184+01.42, 48' RT.	90	LED	122	ARCH-M-PA2-120-740-8-T3	40	10	STANDARD	STANDARD	715-61-321
59	LCB/ B-2	185+59.32, 43' LT.	270	LED	122	ARCH-M-PA2-120-740-8-T3	40	10	STANDARD	STANDARD	715-61-321
60	LCB/ B-4	187+16.22, 47' RT.	90	LED	122	ARCH-M-PA2-120-740-8-T3	40	10	STANDARD	STANDARD	715-61-321
61	LCB/ B-2	188+73.17, 43' LT.	270	LED	122	ARCH-M-PA2-120-740-8-T3	40	10	STANDARD	STANDARD	715-61-321
62	LCB/ B-4	190+25.48, 57' RT.	90	LED	122	ARCH-M-PA2-120-740-8-T3	40	10	STANDARD	STANDARD	715-61-321
63	LCB/ B-2	191+74.37, 43' LT.	270	LED	122	ARCH-M-PA2-120-740-8-T3	40	10	STANDARD	STANDARD	715-61-321
64	LCB/ B-4	193+18.44, 57' RT.	90	LED	122	ARCH-M-PA2-120-740-8-T3	40	10	STANDARD	STANDARD	715-61-321
65	LCC/ C-1	194+73.27, 43' LT.	270	LED	122	ARCH-M-PA2-120-740-8-T3	40	10	STANDARD	STANDARD	715-61-321
66	LCC/ C-3	196+31.02, 47' RT.	90	LED	122	ARCH-M-PA2-120-740-8-T3	40	10	STANDARD	STANDARD	715-61-321
67	LCC/ C-1	197+90.39, 43' LT.	270	LED	122	ARCH-M-PA2-120-740-8-T3	40	10	STANDARD	STANDARD	715-61-321
68	LCC/ C-3	199+48.10, 47' RT.	90	LED	122	ARCH-M-PA2-120-740-8-T3	40	10	STANDARD	STANDARD	715-61-321
69	LCC/ C-1	201+04.38, 43' LT.	270	LED	122	ARCH-M-PA2-120-740-8-T3	40	10	STANDARD	STANDARD	715-61-321
70	LCC/ C-3	202+64.30, 47' RT.	90	LED	122	ARCH-M-PA2-120-740-8-T3	40	10	STANDARD	STANDARD	715-61-321
71	LCC/ C-1	204+23.89, 43' LT.	274	LED	122	ARCH-M-PA2-120-740-8-T3	40	10	STANDARD	STANDARD	715-61-321
72	LCC/ C-3	205+57.11, 50' RT.	104	LED	122	ARCH-M-PA2-120-740-8-T3	40	10	STANDARD	STANDARD	715-61-321
73	LCC/ C-1	207+08.61, 43' LT.	299	LED	122	ARCH-M-PA2-120-740-8-T3	40	10	STANDARD	STANDARD	715-61-321
74	LCC/ C-3	208+56.37, 47' RT.	135	LED	122	ARCH-M-PA2-120-740-8-T3	40	10	STANDARD	STANDARD	715-61-321
75	LCC/ C-1	210+03.12, 43' LT.	324	LED	122	ARCH-M-PA2-120-740-8-T3	40	10	STANDARD	STANDARD	715-61-321
76	LCC/ C-3	211+50.88, 47' RT.	143	LED	122	ARCH-M-PA2-120-740-8-T3	40	10	STANDARD	STANDARD	715-61-321
77	LCC/ C-1	213+00.12, 43' LT.	324	LED	122	ARCH-M-PA2-120-740-8-T3	40	10	STANDARD	STANDARD	715-61-321
78	LCC/ C-3	214+46.91, 47' RT.	131	LED	122	ARCH-M-PA2-120-740-8-T3	40	10	STANDARD	STANDARD	715-61-321
79	LCC/ C-2	215+89.54, 43' LT.	301	LED	122	ARCH-M-PA2-120-740-8-T3	40	10	STANDARD	STANDARD	715-61-321
80	LCC/ C-4	217+36.83, 47' RT.	108	LED	122	ARCH-M-PA2-120-740-8-T3	40	10	STANDARD	STANDARD	715-61-321
81	LCC/ C-2	218+92.83, 43' LT.	288	LED	122	ARCH-M-PA2-120-740-8-T3	40	10	STANDARD	STANDARD	715-61-321
82	LCC/ C-4	220+38.59, 47' RT.	107	LED	122	ARCH-M-PA2-120-740-8-T3	40	10	STANDARD	STANDARD	715-61-321
83	LCC/ C-2	221+94.24, 43' LT.	287	LED	122	ARCH-M-PA2-120-740-8-T3	40	10	STANDARD	STANDARD	715-61-321
84	LCC/ C-4	223+50.18, 47' RT.	104	LED	122	ARCH-M-PA2-120-740-8-T3	40	10	STANDARD	STANDARD	715-61-321
85	LCC/ C-2	224+97.55, 43' LT.	280	LED	122	ARCH-M-PA2-120-740-8-T3	40	10	STANDARD	STANDARD	715-61-321
86	LCC/ C-4	226+47.10, 47' RT.	97	LED	122	ARCH-M-PA2-120-740-8-T3	40	10	STANDARD	STANDARD	715-61-321
87	LCC/ C-2	228+09.71, 43' LT.	277	LED	122	ARCH-M-PA2-120-740-8-T3	40	10	STANDARD	STANDARD	715-61-321
88	LCC/ C-4	229+72.33, 47' RT.	97	LED	122	ARCH-M-PA2-120-740-8-T3	40	10	STANDARD	STANDARD	715-61-321
89	LCC/ C-2	231+35.44, 43' LT.	277	LED	122	ARCH-M-PA2-120-740-8-T3	40	10	STANDARD	STANDARD	715-61-321
90	LCC/ C-4	232+97.45, 47' RT.	97	LED	122	ARCH-M-PA2-120-740-8-T3	40	10	STANDARD	STANDARD	715-61-321
91	LCC/ C-2	234+60.88, 43' LT.	277	LED	122	ARCH-M-PA2-120-740-8-T3	40	10	STANDARD	STANDARD	715-61-321
92	LCC/ C-4	236+21.83, 47' RT.	105	LED	122	ARCH-M-PA2-120-740-8-T3	40	10	STANDARD	STANDARD	715-61-321

REVISIONS		
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**JACK BRACK ROAD  
WIDENING**

ENGINEER OF RECORD

Adam C. Burnett, PE  
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Oviedo, Florida 32765

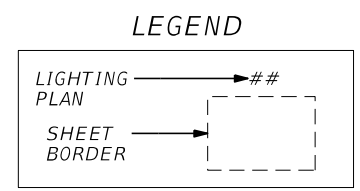
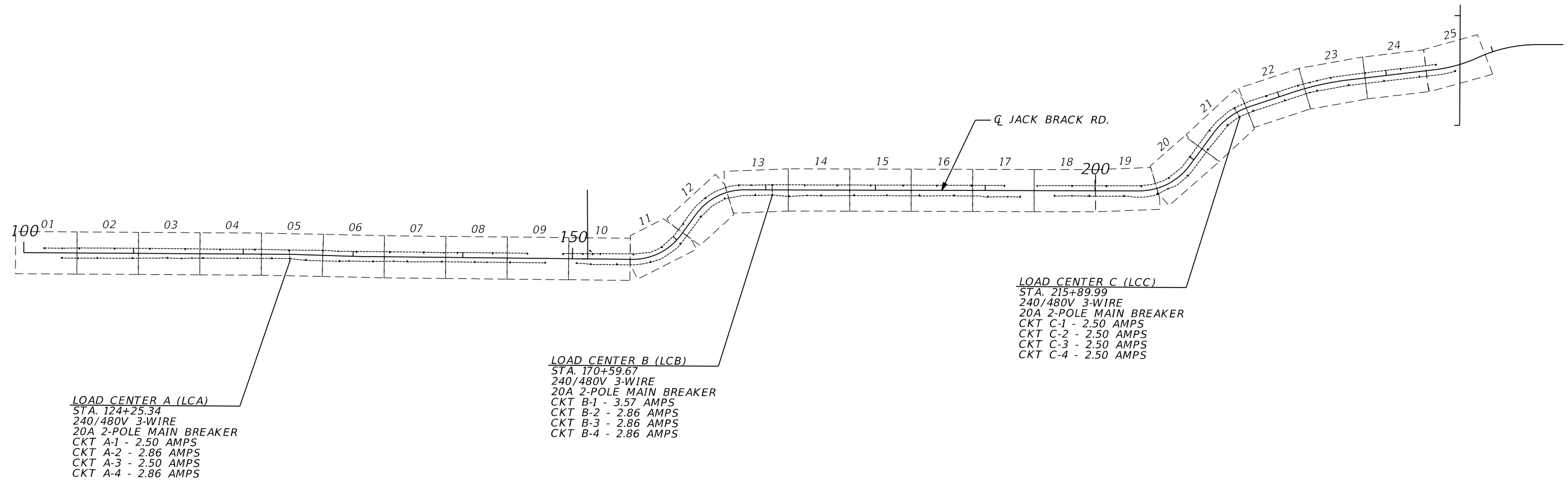
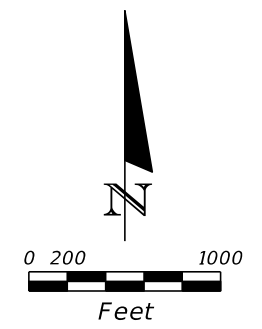


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**POLE DATA  
AND LEGEND**

SHEET NO.

L-9



REVISIONS		
DATE	BY	DESCRIPTION

**JACK BRACK ROAD  
WIDENING**

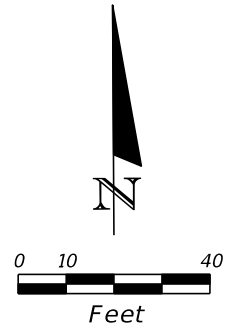
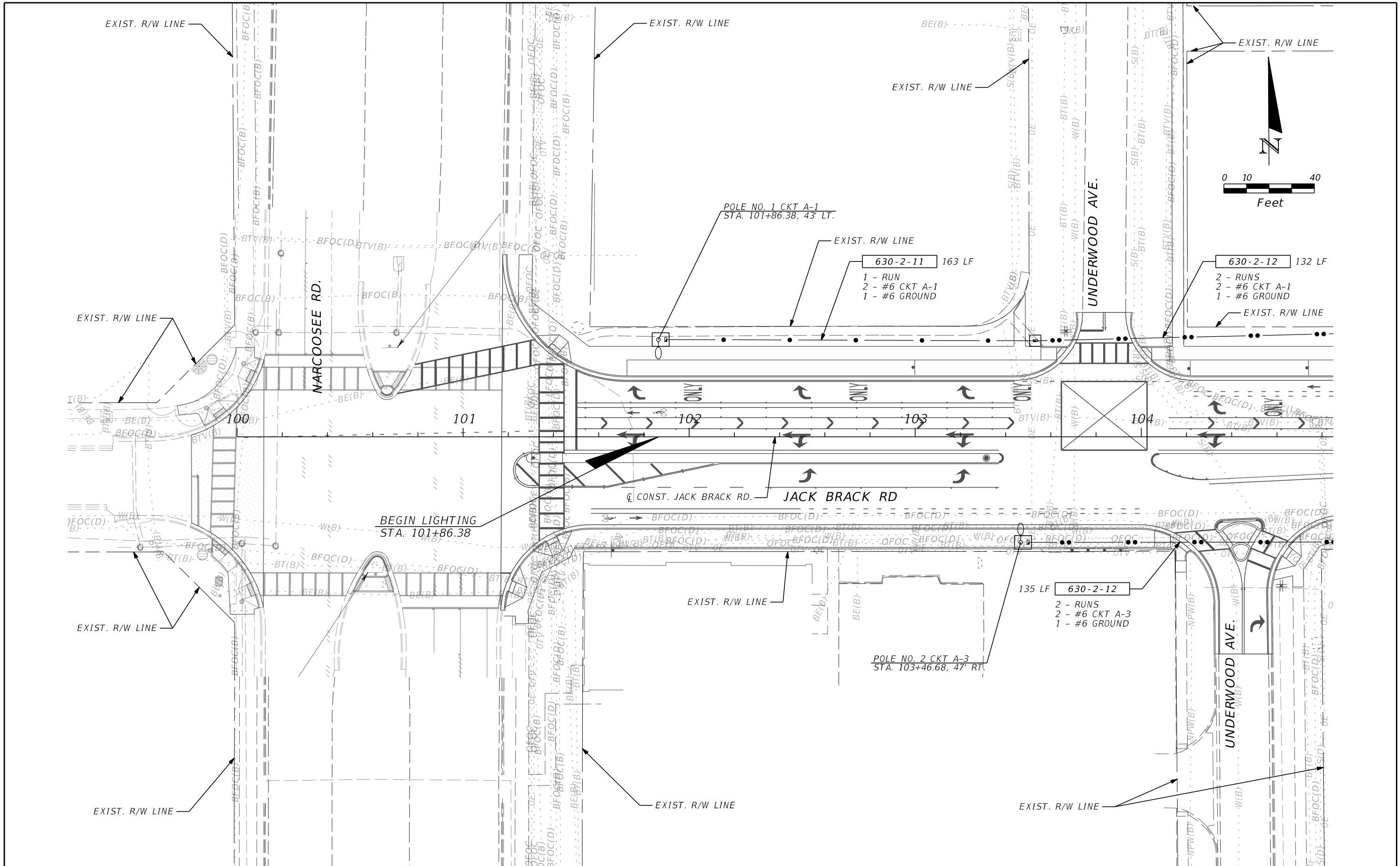
**ENGINEER OF RECORD**  
 Adam C. Burnett, PE  
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**PROJECT LAYOUT**

SHEET NO.  
**L-10**

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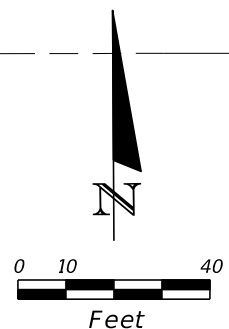
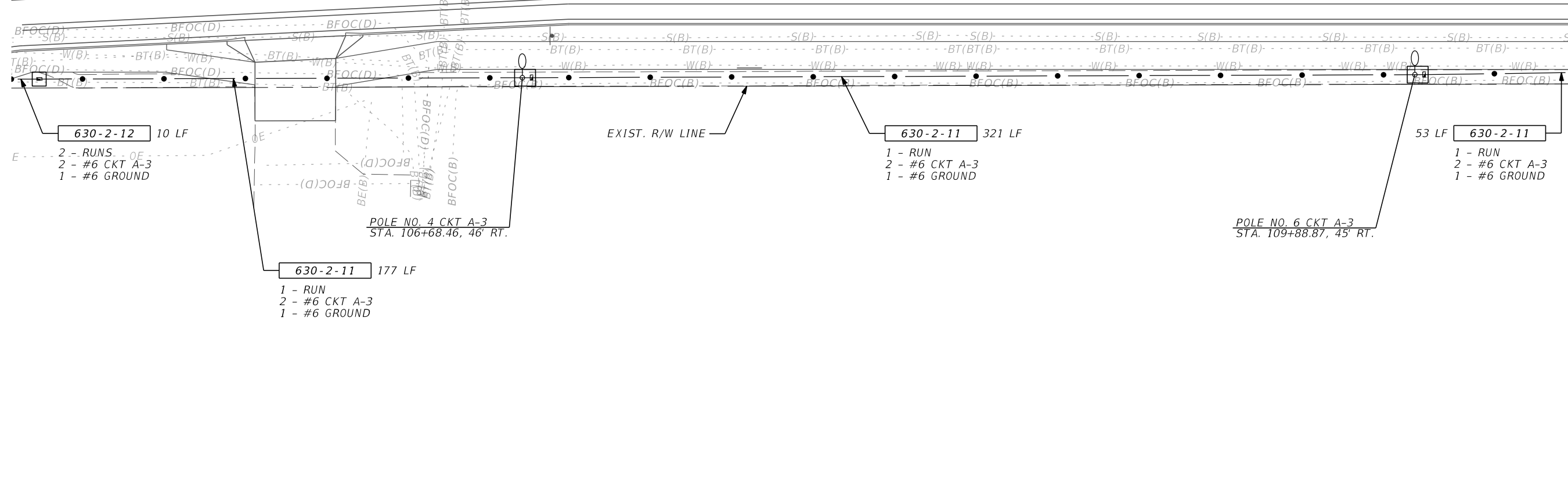
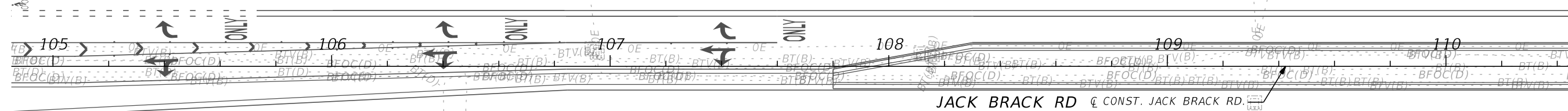
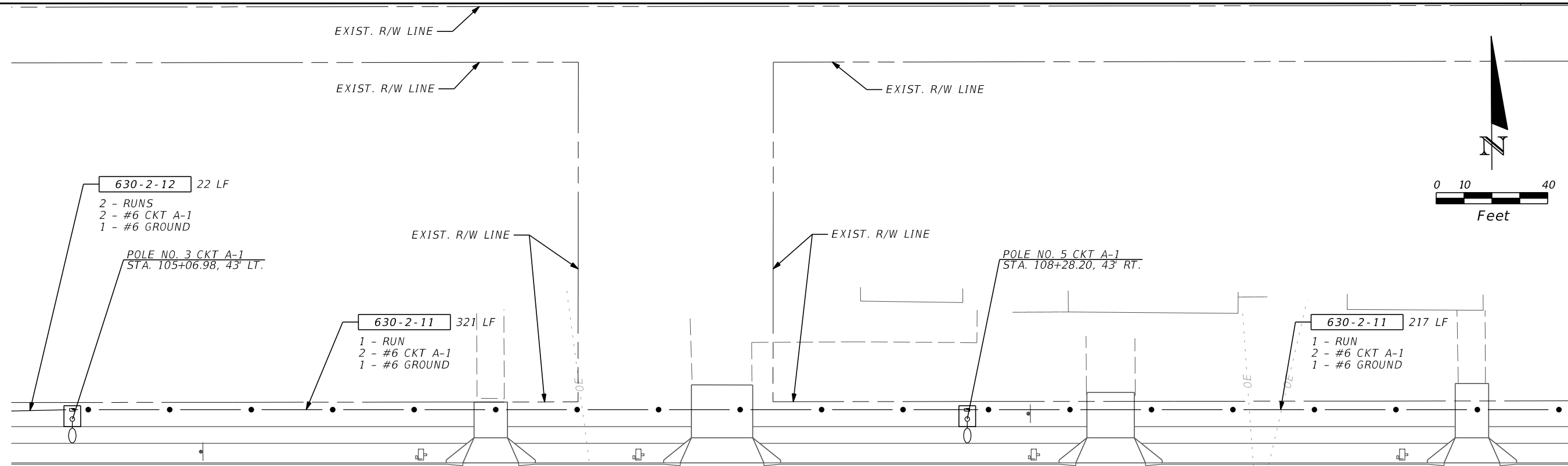
ENGINEER OF RECORD  
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**LIGHTING PLAN (01)**

SHEET NO.  
**L-11**



REVISIONS		
DATE	BY	DESCRIPTION

**JACK BRACK ROAD  
WIDENING**

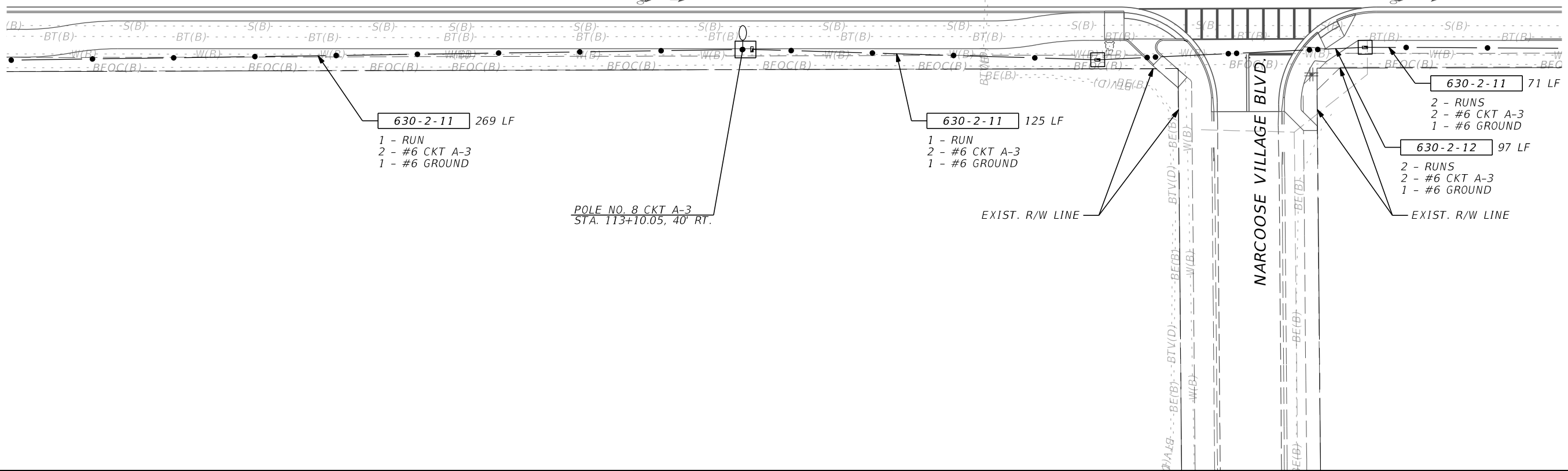
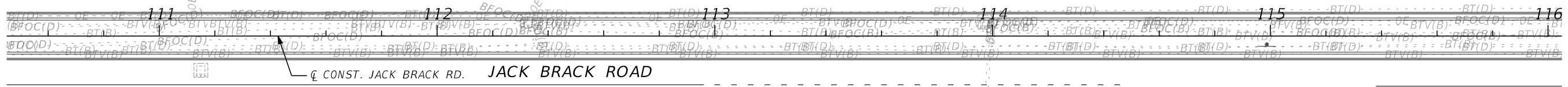
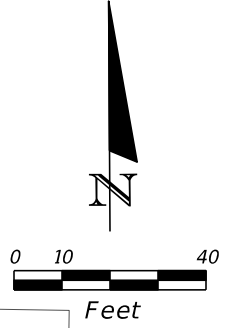
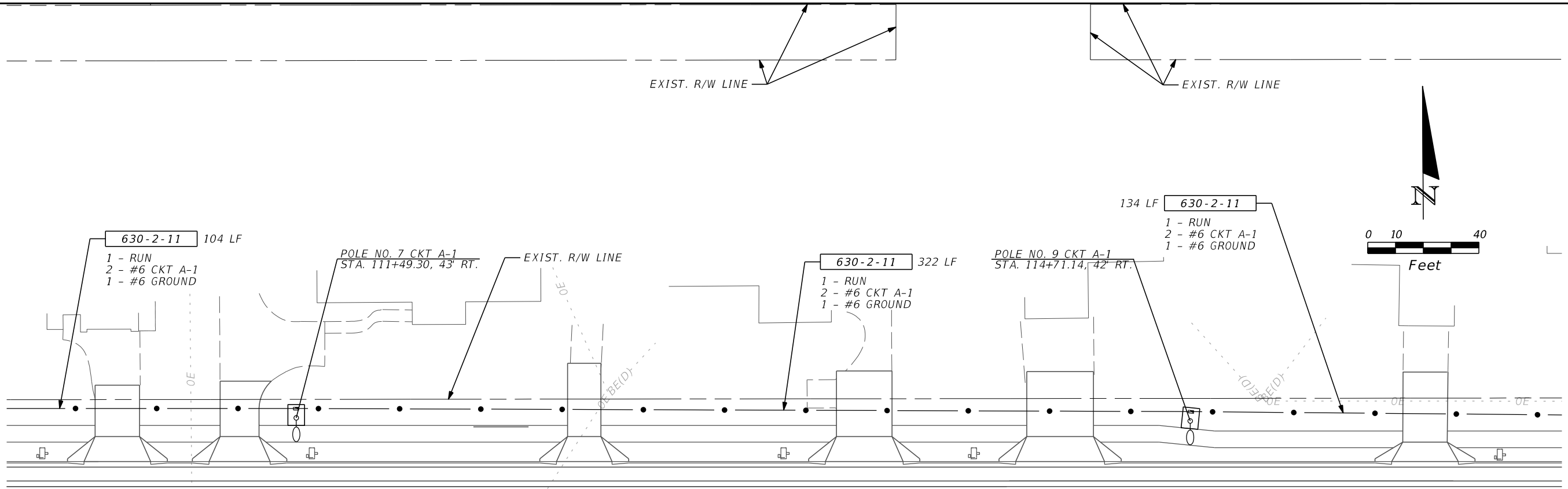
**ENGINEER OF RECORD**  
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**LIGHTING PLAN (02)**

SHEET  
NO.  
**L-12**

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DATE	BY	DESCRIPTION

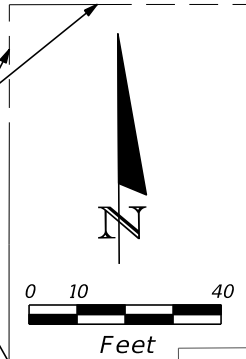
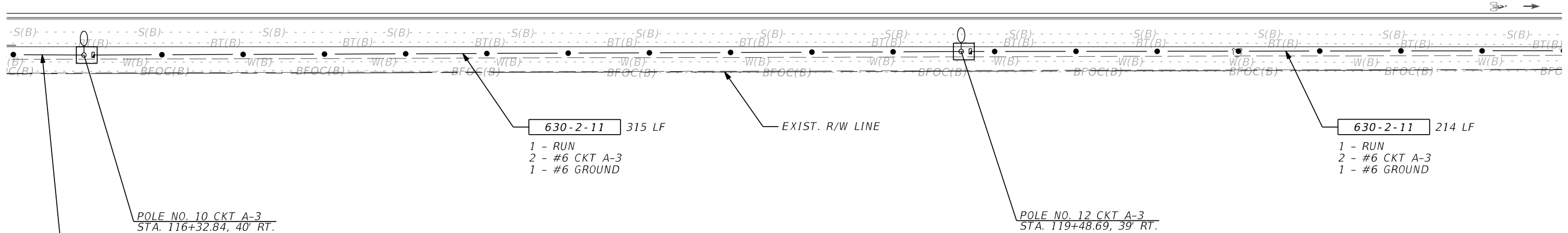
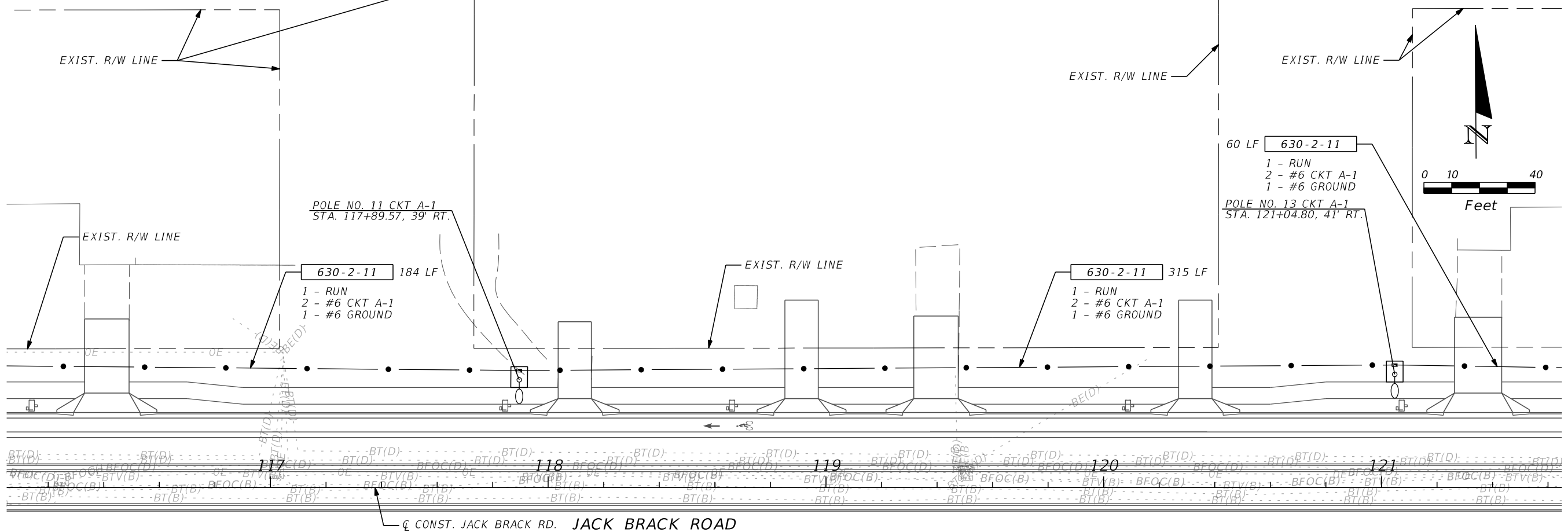
**JACK BRACK ROAD  
WIDENING**

**ENGINEER OF RECORD**  
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**LIGHTING PLAN (03)**

SHEET  
NO.  
**L-13**



REVISIONS		
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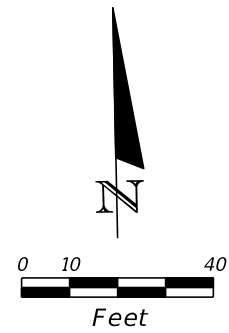
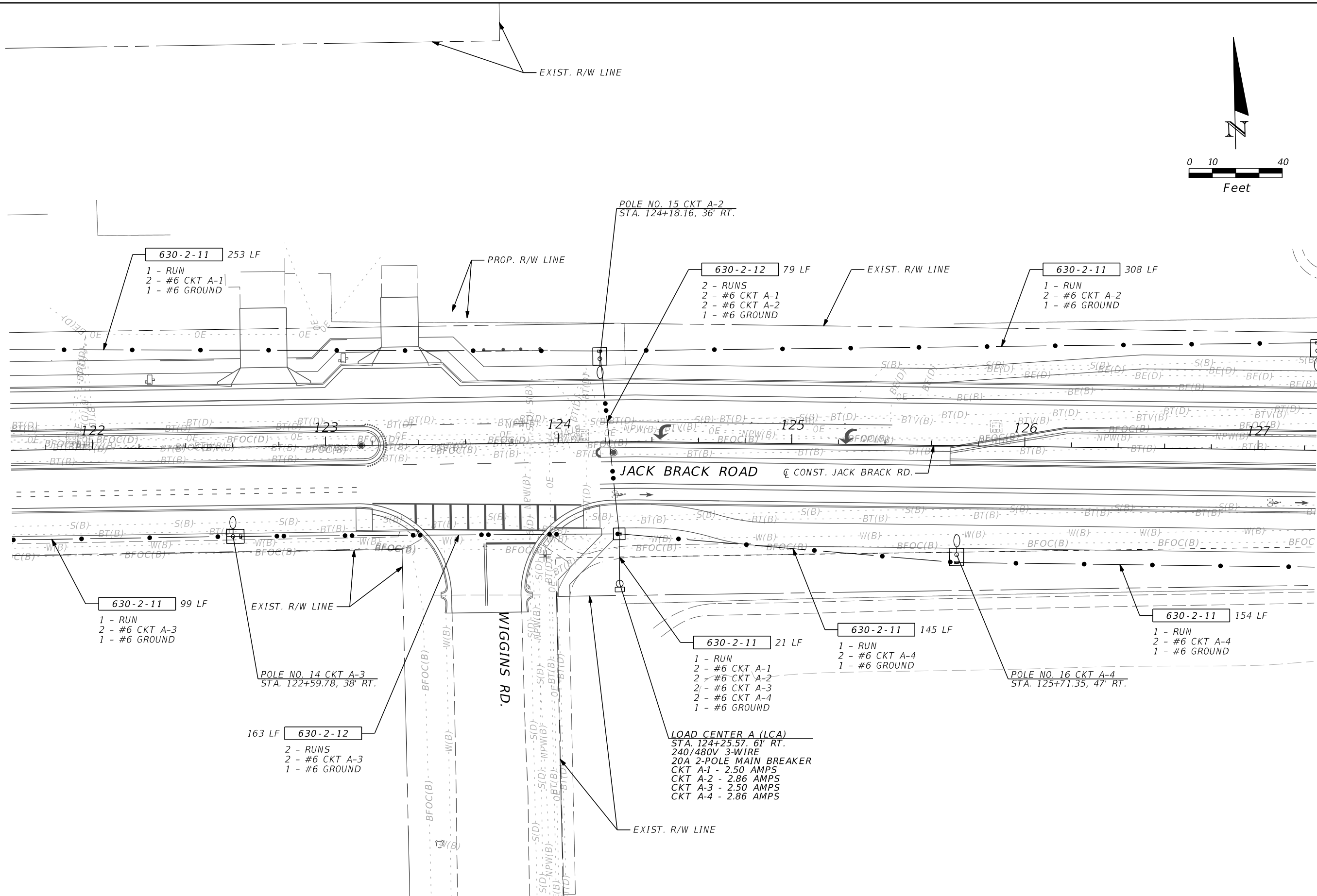
**JACK BRACK ROAD  
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**ENGINEER OF RECORD**  
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**LIGHTING PLAN (04)**

SHEET NO.  
**L-14**



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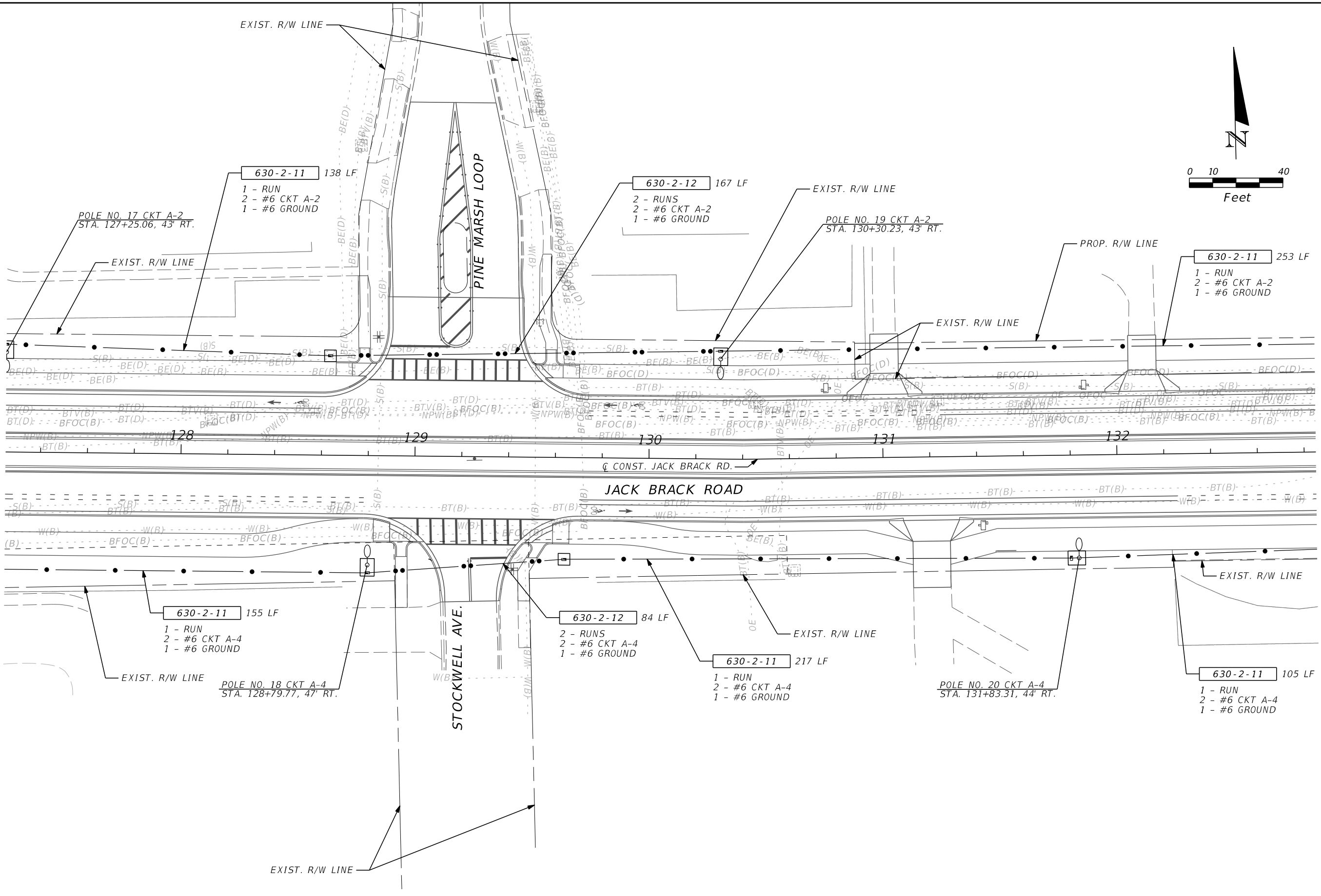
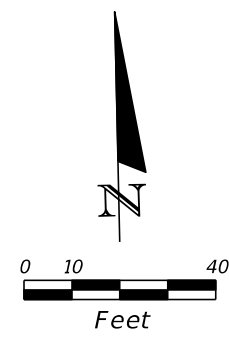
ENGINEER OF RECORD  
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**LIGHTING PLAN (05)**

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**L-15**

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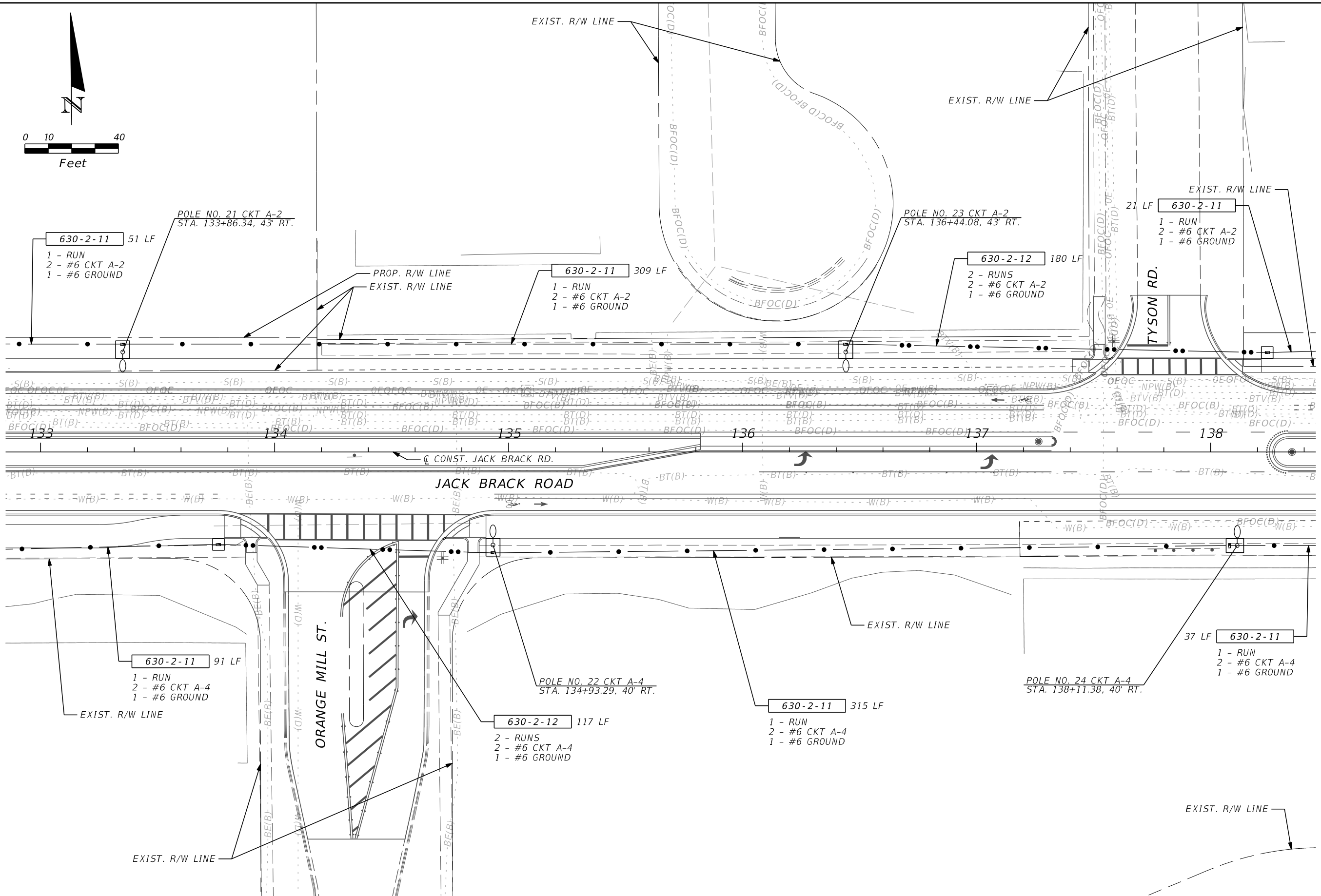
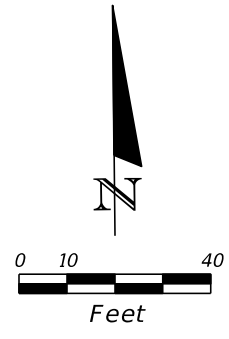


**LIGHTING PLAN (06)**

SHEET NO.  
**L-16**

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REVISIONS		
DATE	BY	DESCRIPTION

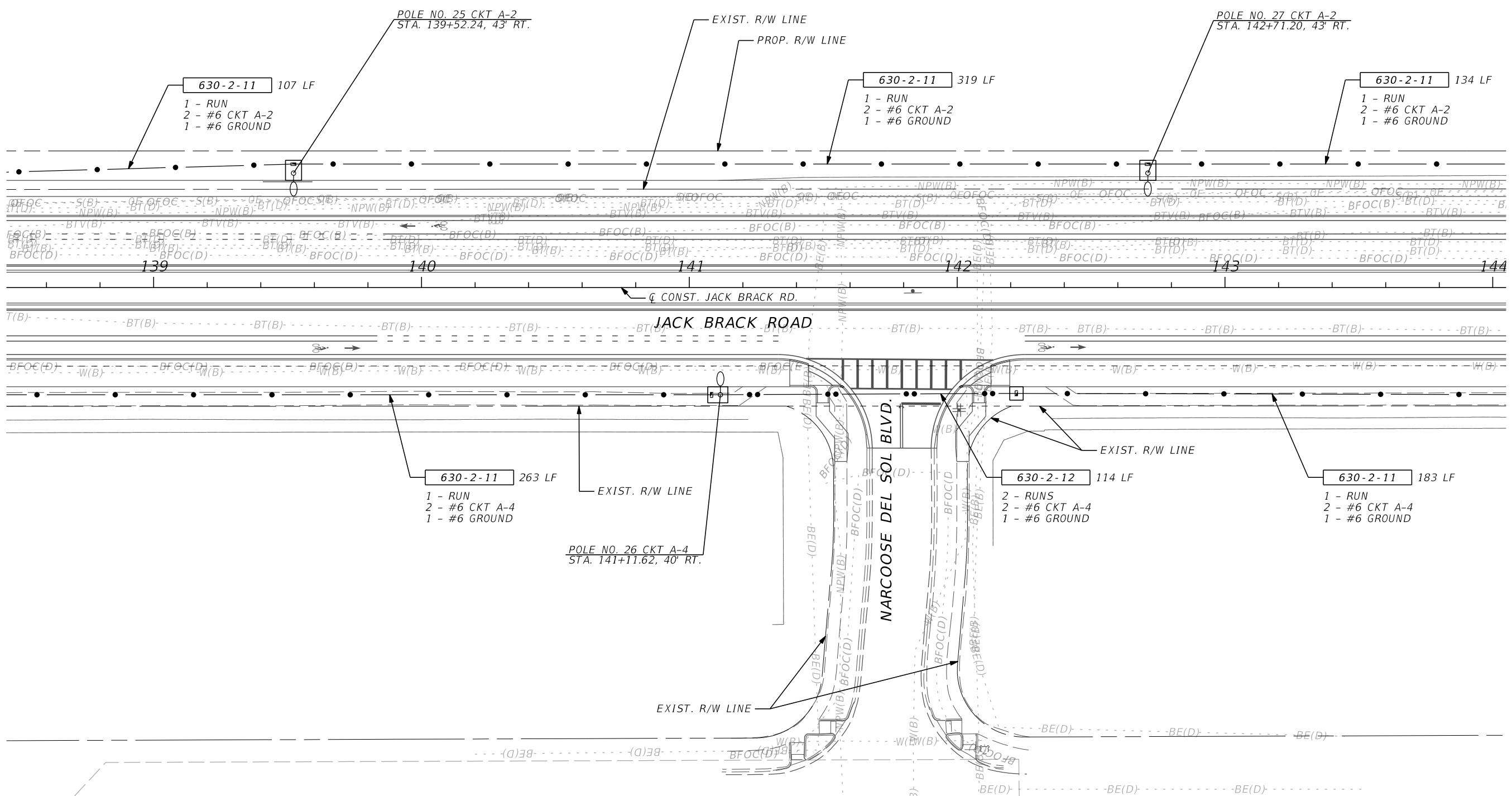
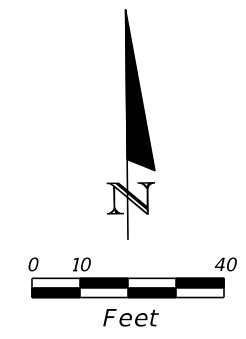
**JACK BRACK ROAD  
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**ENGINEER OF RECORD**  
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ENGINEERING DEPARTMENT**  
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**LIGHTING PLAN (07)**

SHEET  
NO.  
**L-17**



REVISIONS		
DATE	BY	DESCRIPTION

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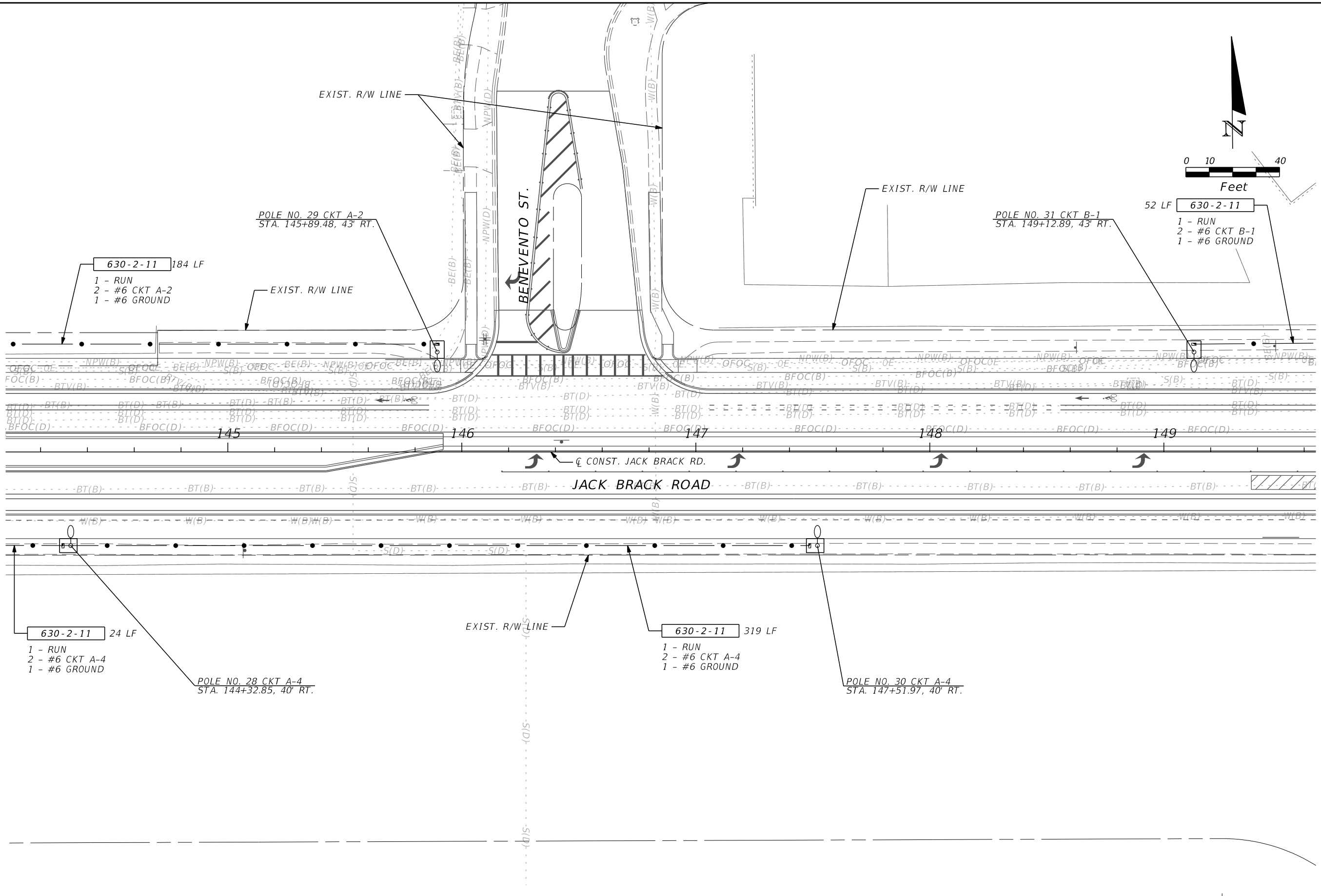
**ENGINEER OF RECORD**  
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**LIGHTING PLAN (08)**

SHEET  
NO.  
**L-18**

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DATE	BY	DESCRIPTION

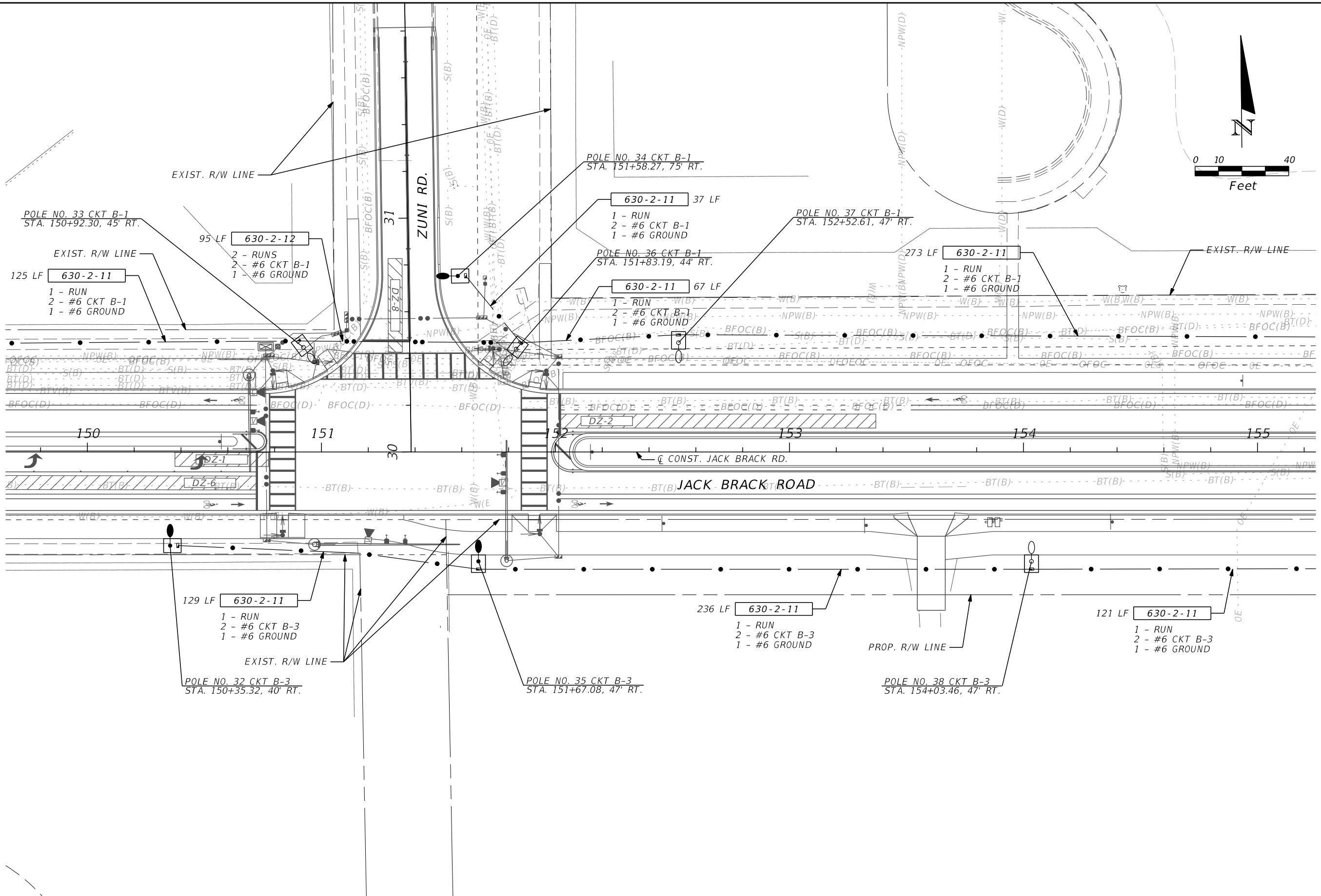
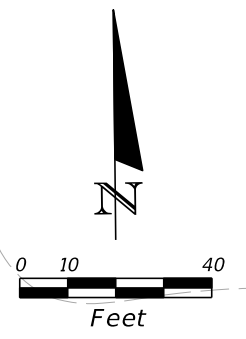
**JACK BRACK ROAD  
WIDENING**

ENGINEER OF RECORD  
Adam C. Burnett, PE  
PE No. 82314  
Inwood Consulting Engineers, Inc.  
3000 Dovera Drive, Suite 200  
Oviedo, Florida 32765



**LIGHTING PLAN (09)**

SHEET NO.  
**L-19**



REVISIONS		
DATE	BY	DESCRIPTION

**JACK BRACK ROAD  
WIDENING**

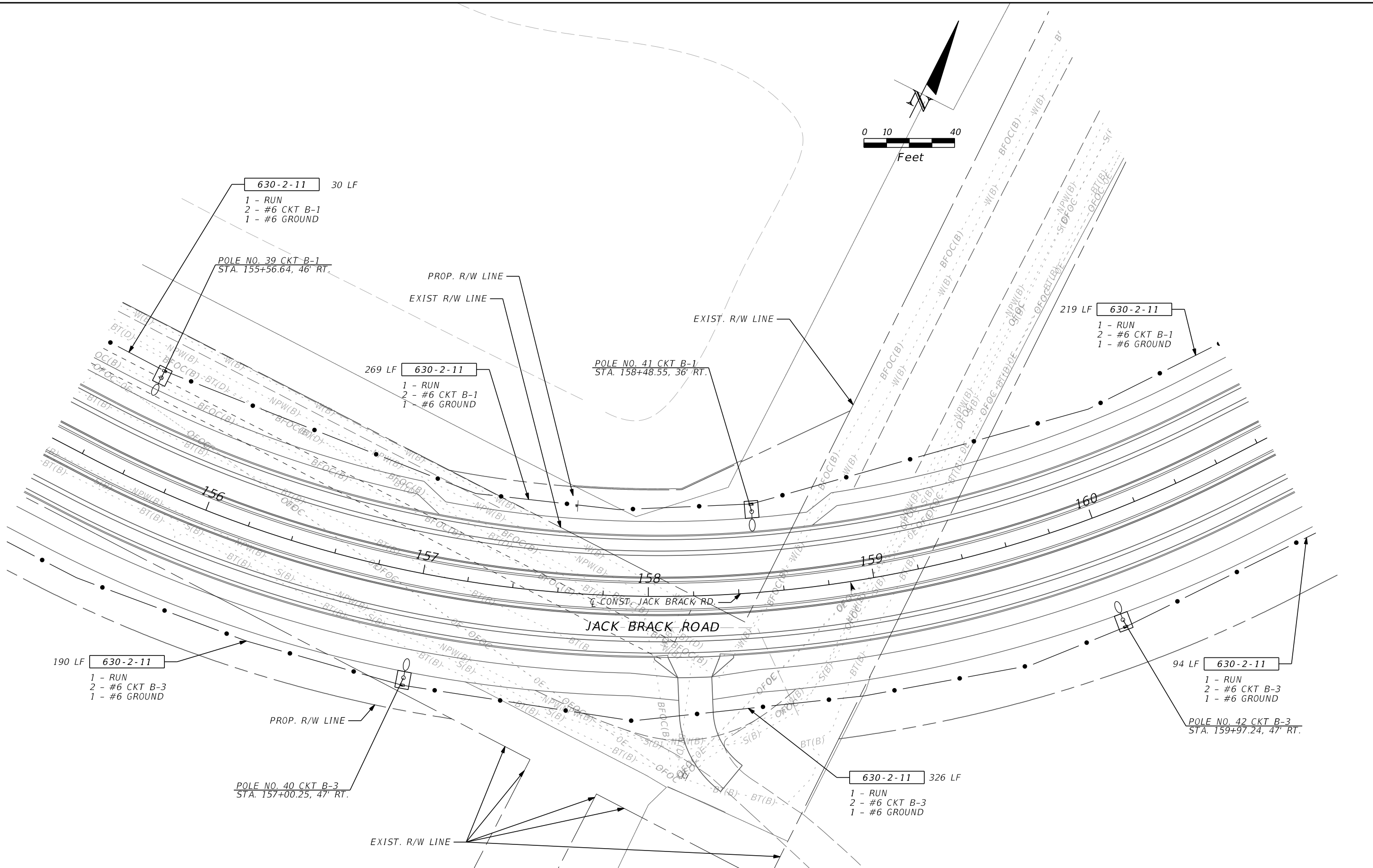
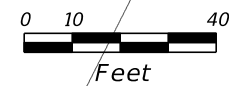
**ENGINEER OF RECORD**  
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**LIGHTING PLAN (10)**

SHEET NO.  
**L-20**

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**JACK BRACK ROAD  
WIDENING**

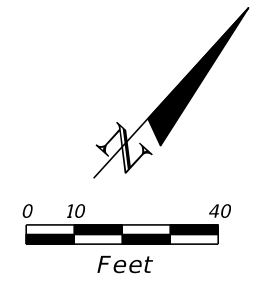
ENGINEER OF RECORD  
Adam C. Burnett, PE  
PE No. 82314  
Inwood Consulting Engineers, Inc.  
3000 Dovera Drive, Suite 200  
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**LIGHTING PLAN (11)**

SHEET NO.  
**L-21**

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POLE NO. 43 CKT B-1  
STA. 161+51.40, 43' RT.

66 LF 630-2-11  
1 - RUN  
2 - #6 CKT B-1  
1 - #6 GROUND

315 LF 630-2-11  
1 - RUN  
2 - #6 CKT B-1  
1 - #6 GROUND

POLE NO. 45 CKT B-1  
STA. 164+52.64, 43' RT.

209 LF 630-2-11  
1 - RUN  
2 - #6 CKT B-1  
1 - #6 GROUND

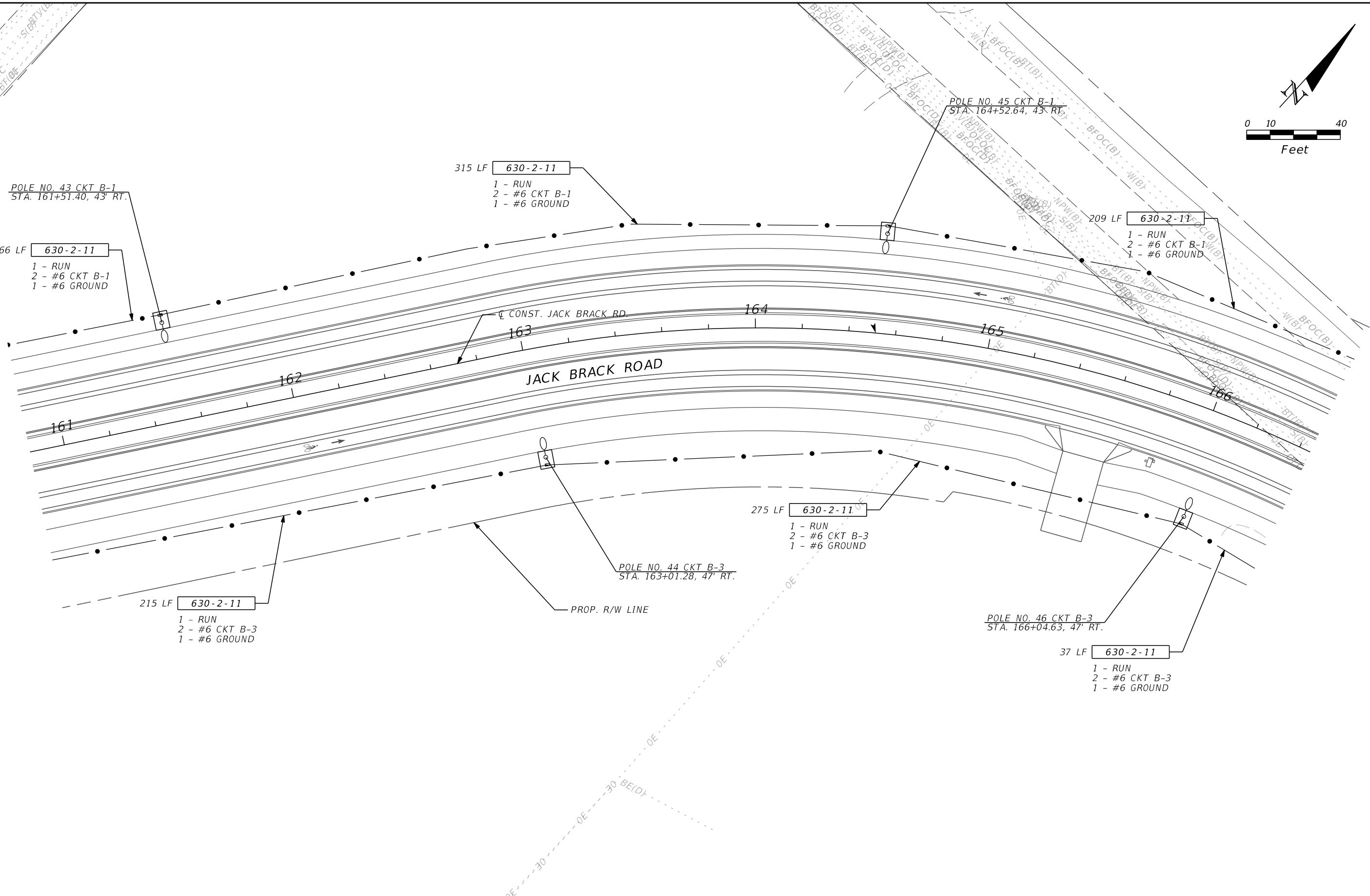
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2 - #6 CKT B-3  
1 - #6 GROUND

POLE NO. 44 CKT B-3  
STA. 163+01.28, 47' RT.

215 LF 630-2-11  
1 - RUN  
2 - #6 CKT B-3  
1 - #6 GROUND

POLE NO. 46 CKT B-3  
STA. 166+04.63, 47' RT.

37 LF 630-2-11  
1 - RUN  
2 - #6 CKT B-3  
1 - #6 GROUND



REVISIONS		
DATE	BY	DESCRIPTION

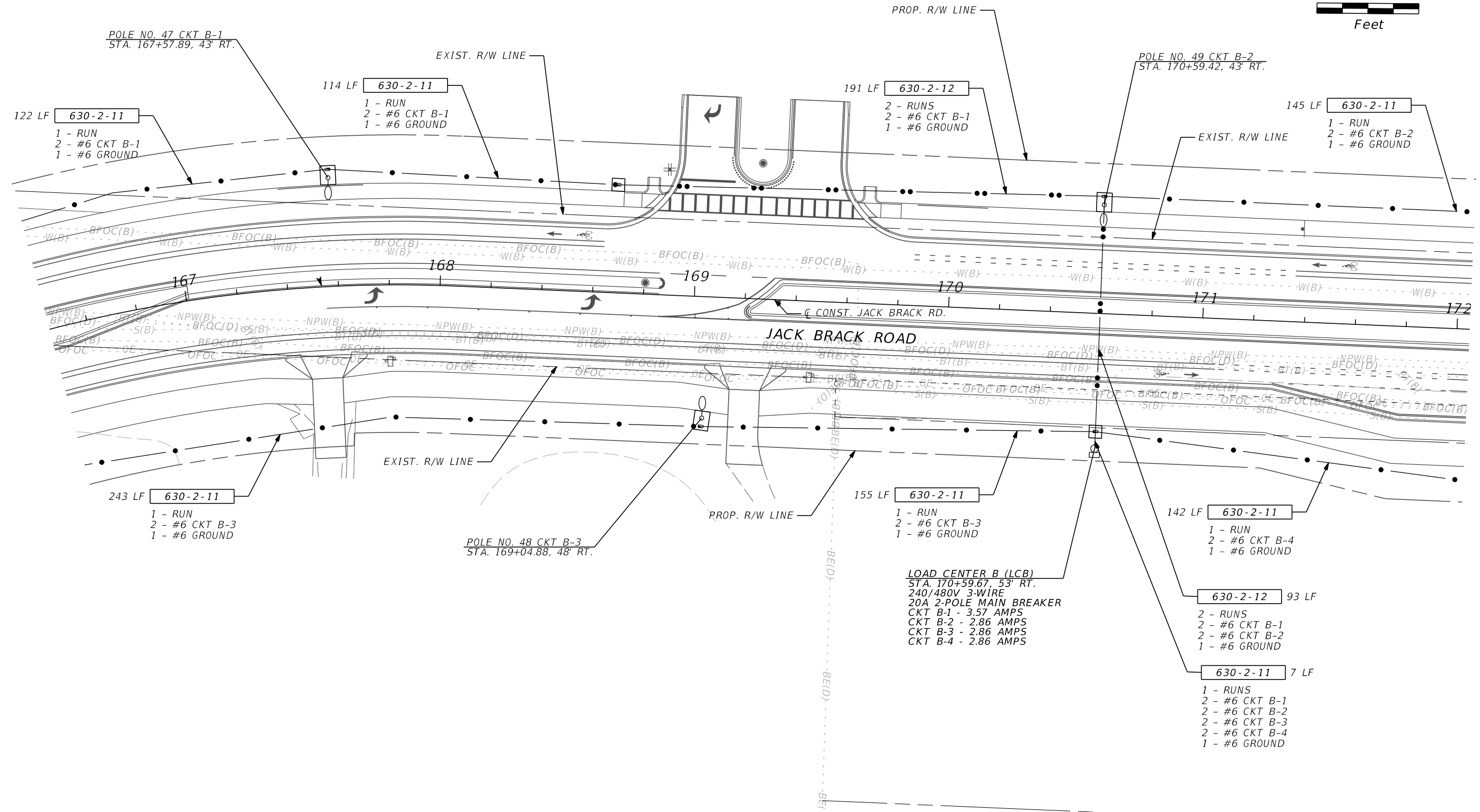
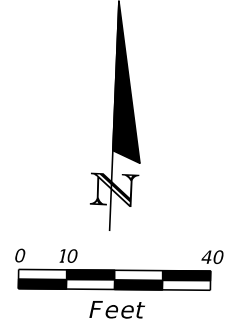
**JACK BRACK ROAD  
WIDENING**

ENGINEER OF RECORD  
Adam C. Burnett, PE  
PE No. 82314  
Inwood Consulting Engineers, Inc.  
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Kissimmee, Florida 34741-5488  
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**LIGHTING PLAN (12)**

SHEET NO.  
L-22



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DATE	BY	DESCRIPTION

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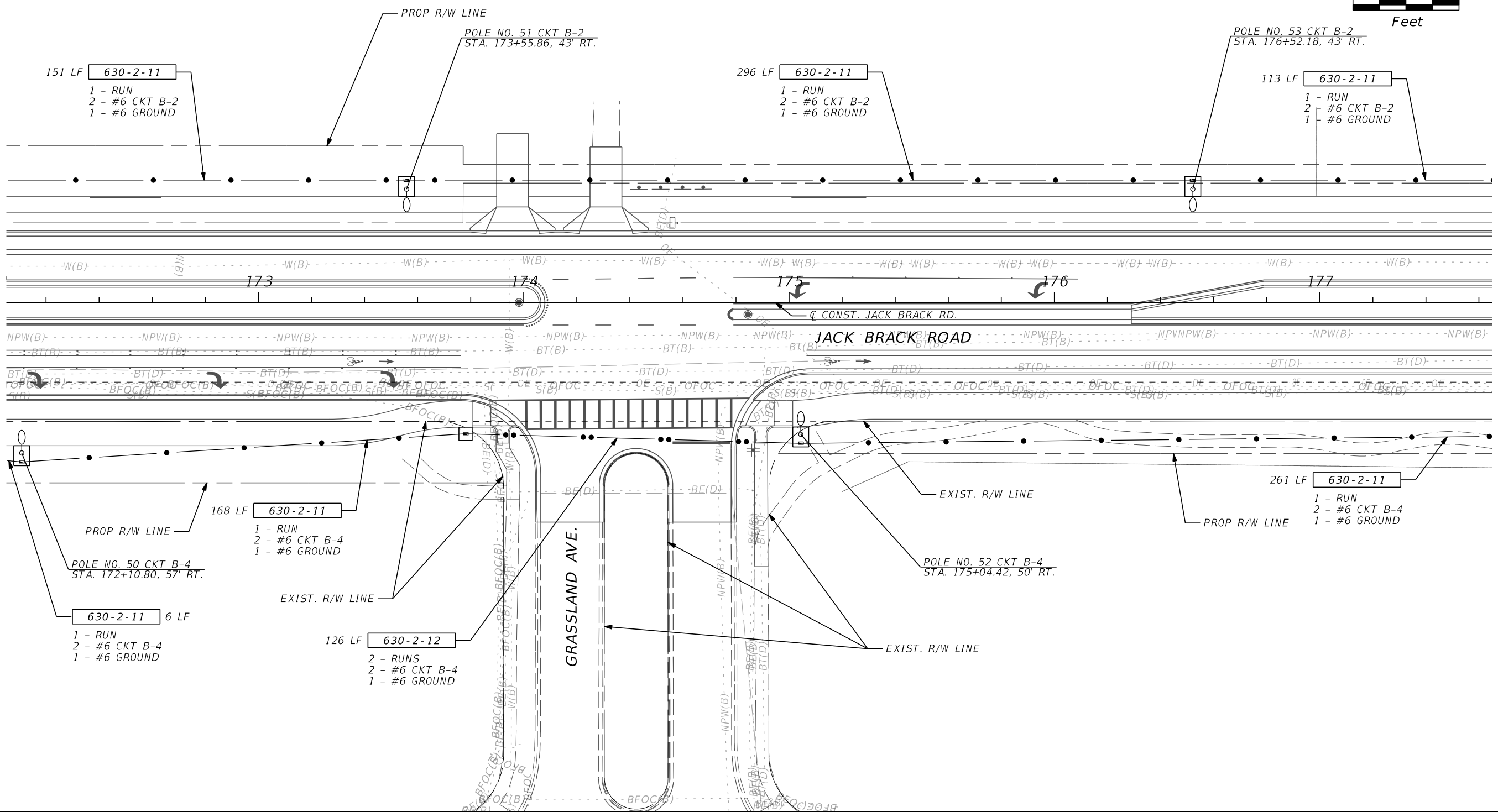
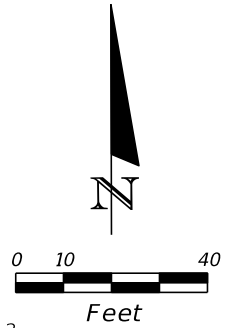
ENGINEER OF RECORD  
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PE No. 82314  
Inwood Consulting Engineers, Inc.  
3000 Dovera Drive, Suite 200  
Oviedo, Florida 32765



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## LIGHTING PLAN (13)

SHEET NO.  
**L-23**



REVISIONS		
DATE	BY	DESCRIPTION

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 Adam C. Burnett, PE  
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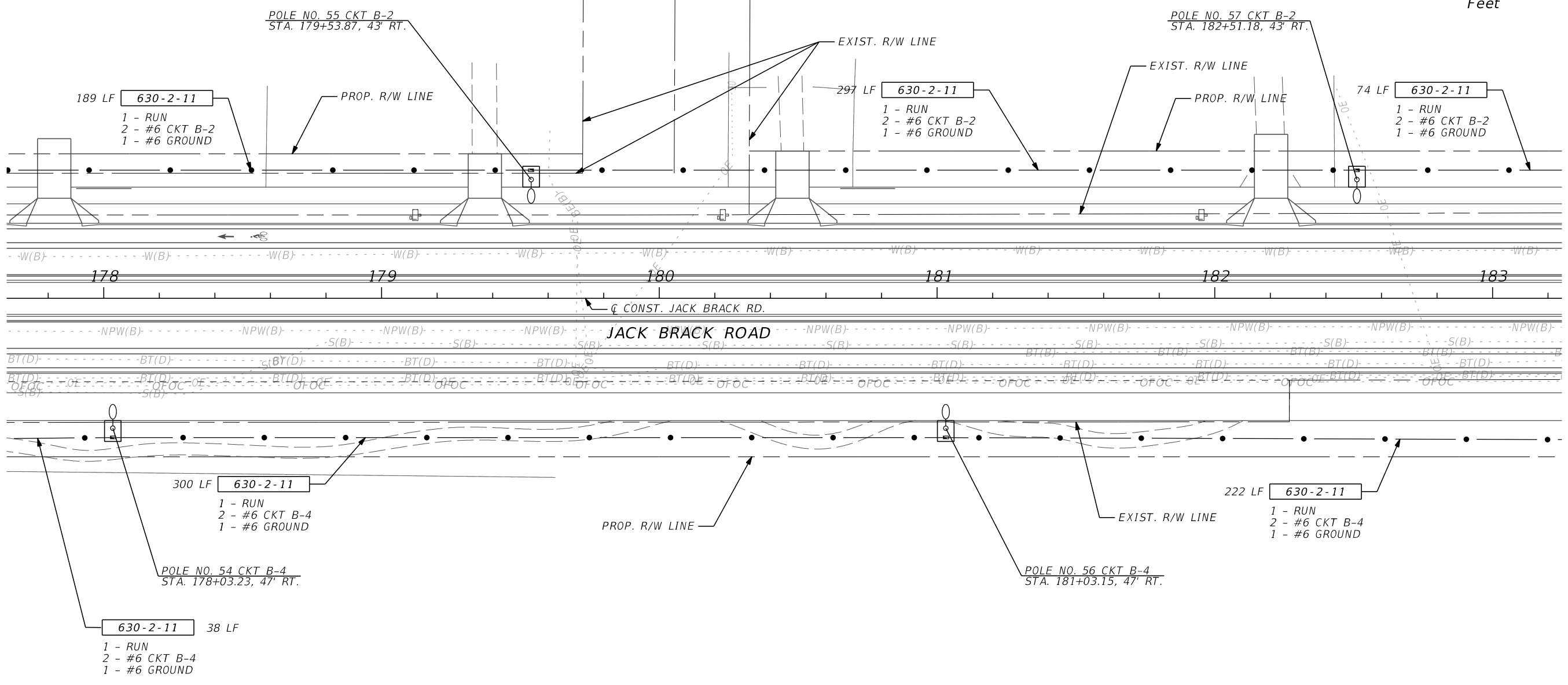
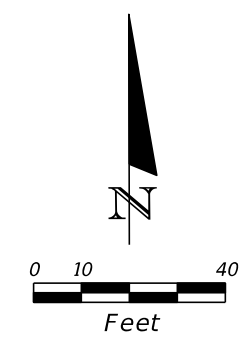
**OSCEOLA COUNTY  
ENGINEERING DEPARTMENT**  
 1 Courthouse Square, Suite 1100  
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**LIGHTING PLAN (14)**

SHEET NO.  
**L-24**

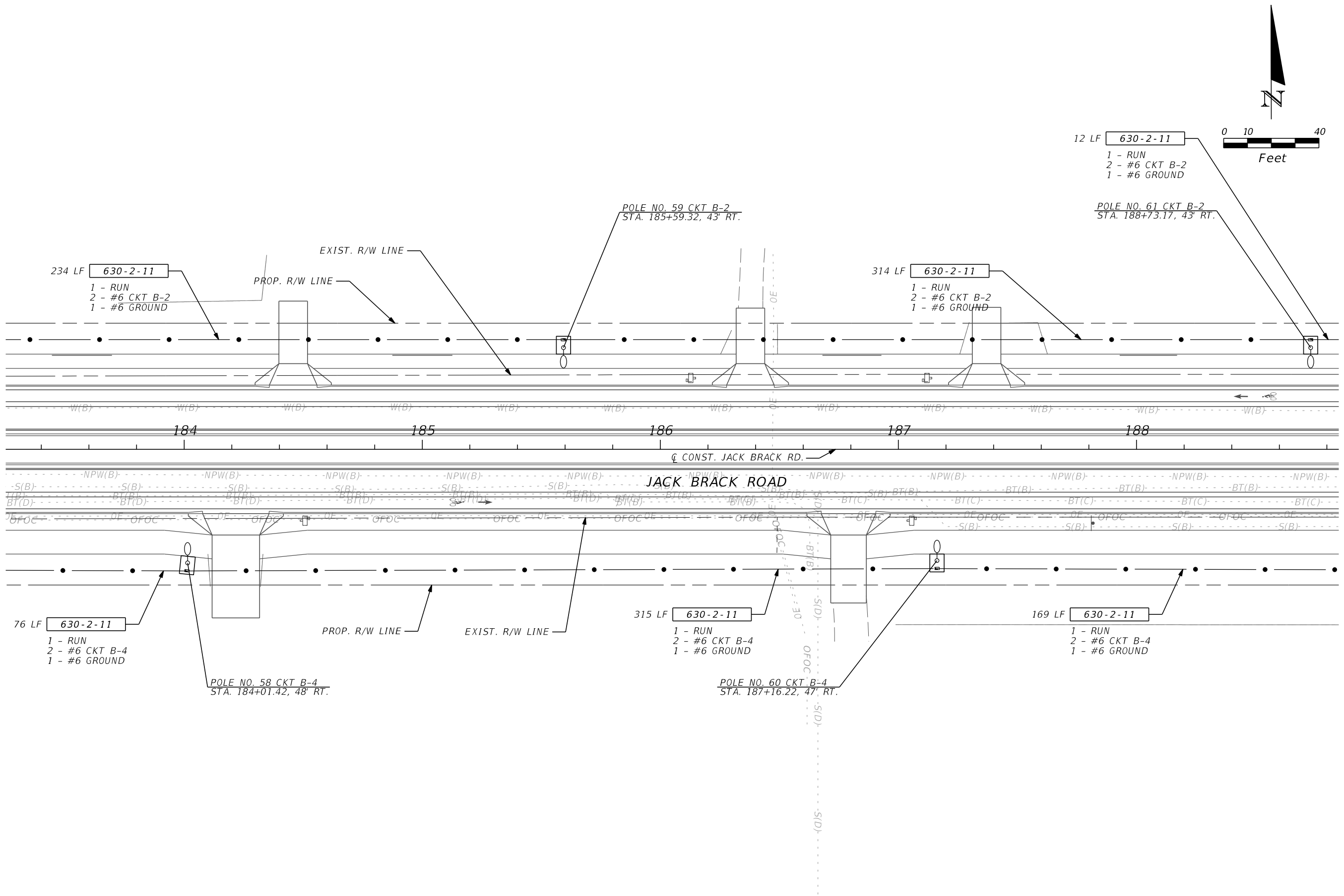
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DATE	BY	DESCRIPTION

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WIDENING**

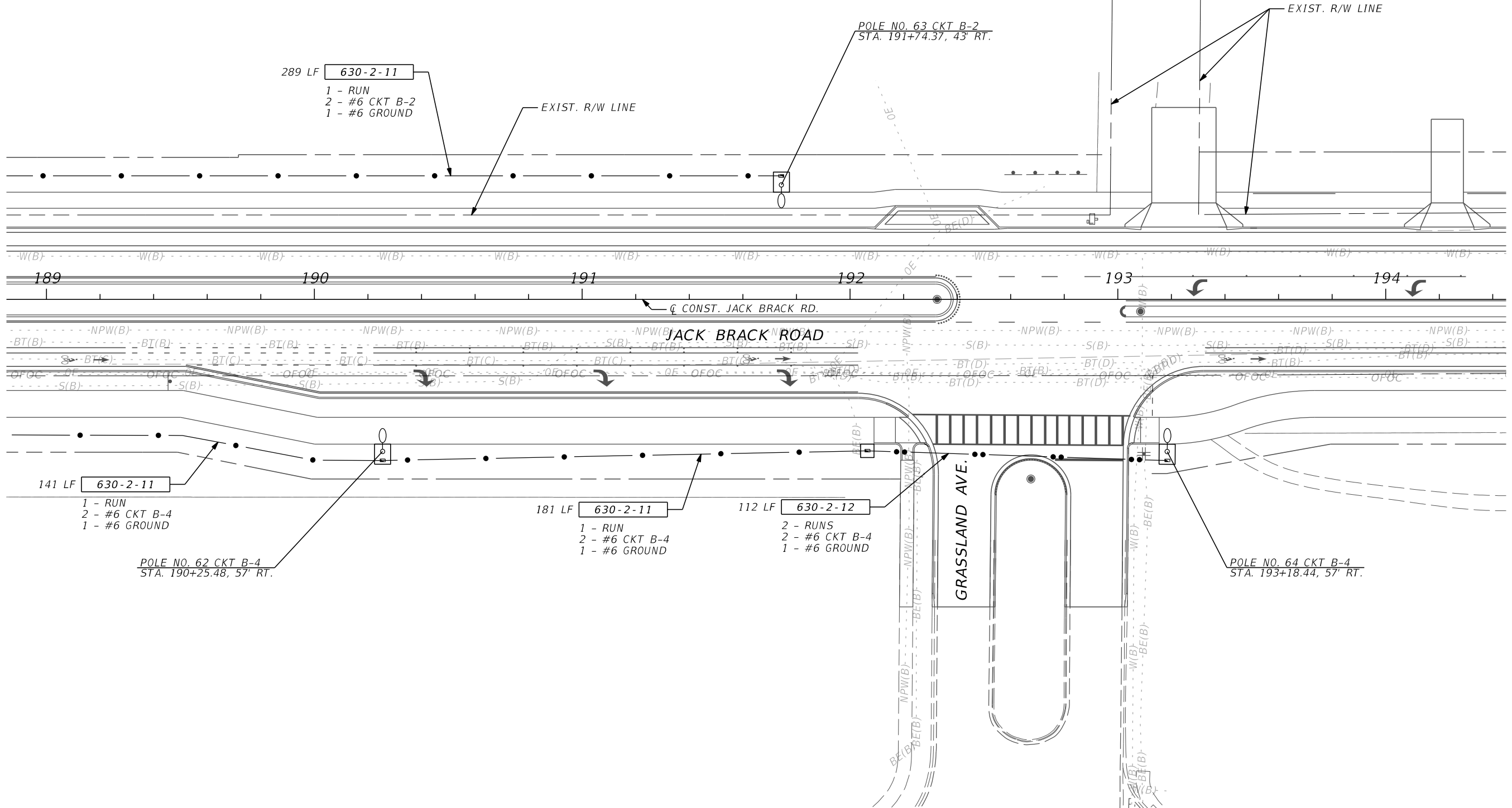
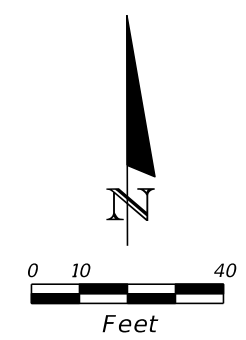
ENGINEER OF RECORD  
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3000 Dovera Drive, Suite 200  
Oviedo, Florida 32765



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ENGINEERING DEPARTMENT**  
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**LIGHTING PLAN (16)**

SHEET NO.  
**L-26**



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DATE	BY	DESCRIPTION

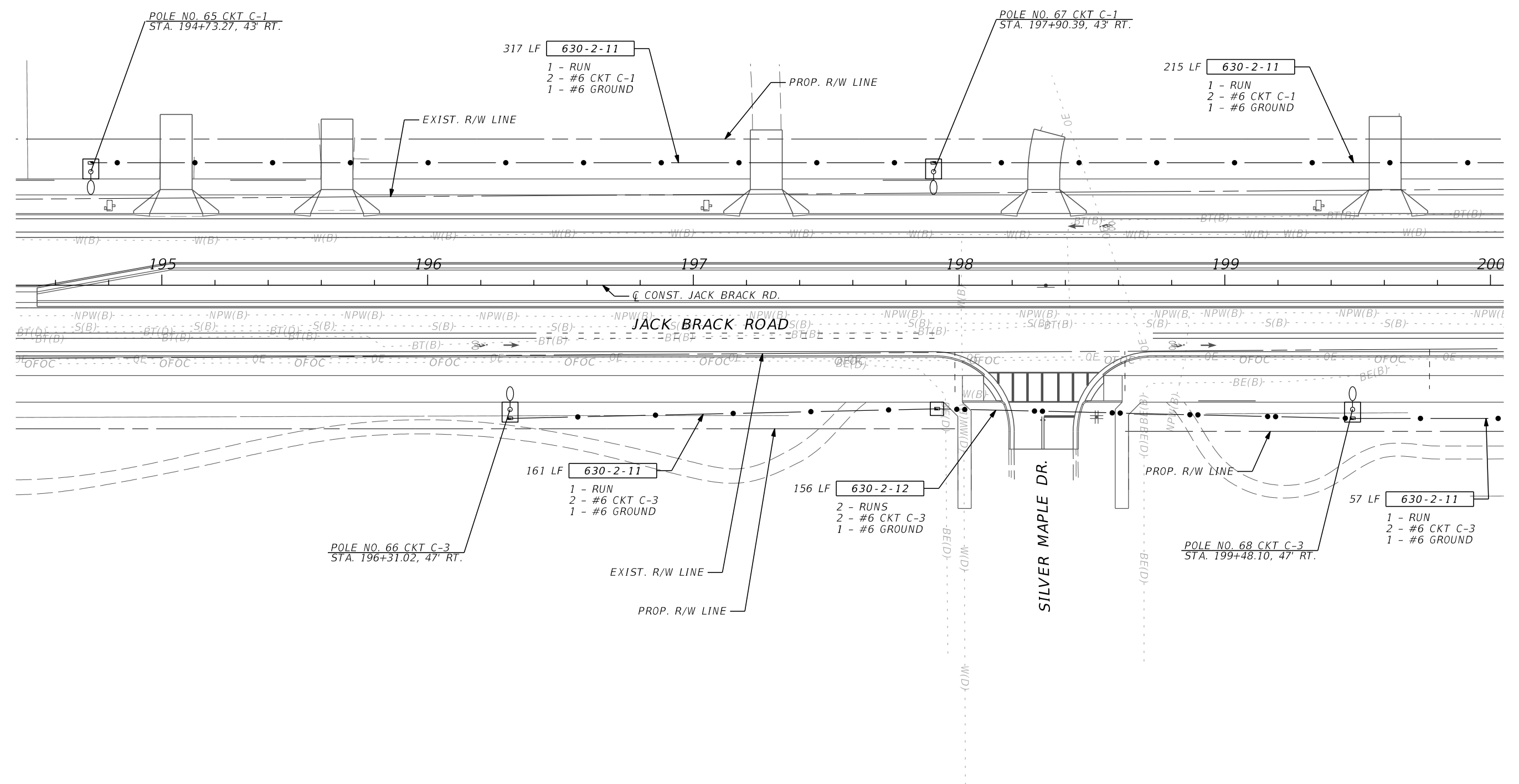
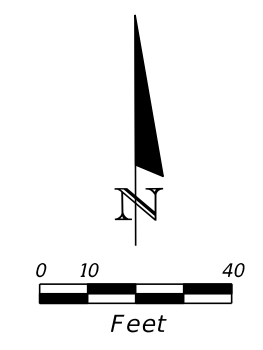
**JACK BRACK ROAD  
WIDENING**

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**LIGHTING PLAN (17)**

SHEET NO.  
**L-27**



REVISIONS		
DATE	BY	DESCRIPTION

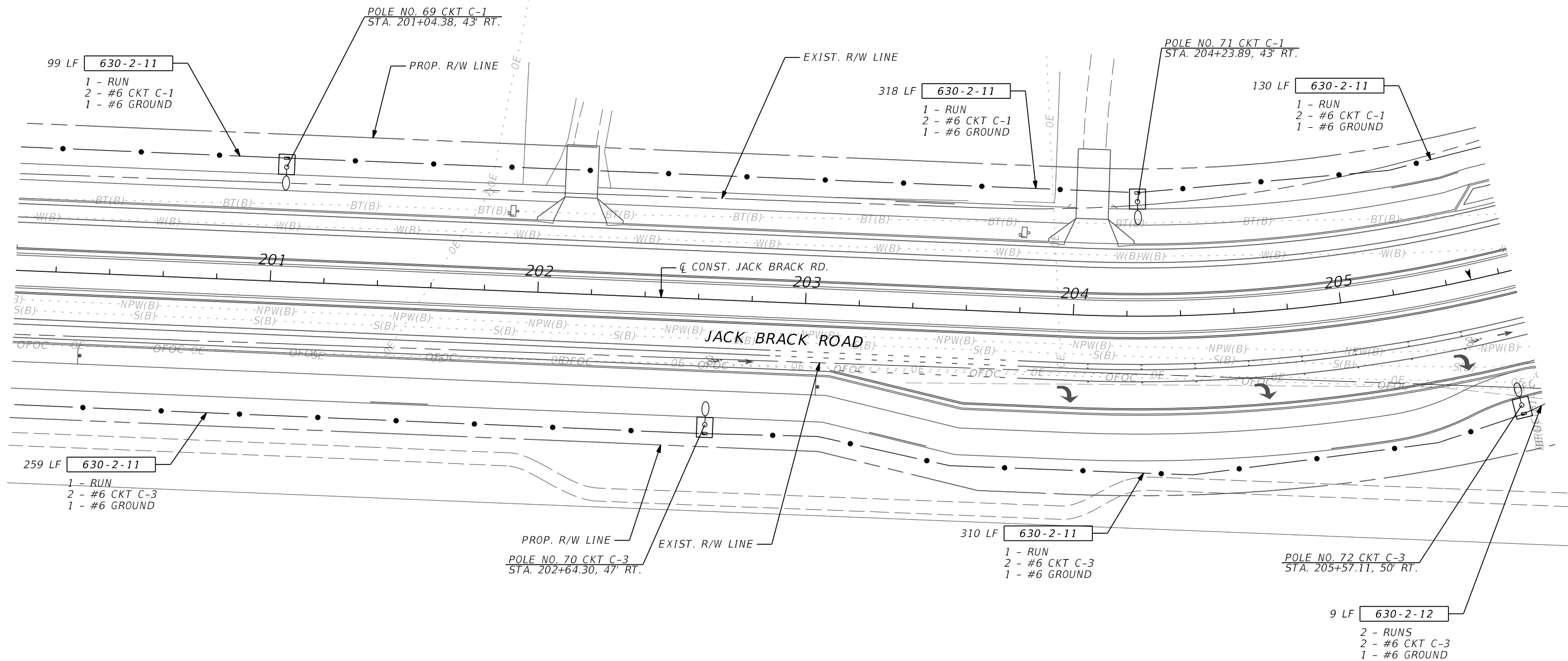
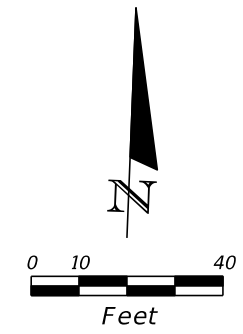
**JACK BRACK ROAD  
WIDENING**

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**LIGHTING PLAN (18)**

SHEET NO.  
**L-28**



REVISIONS		
DATE	BY	DESCRIPTION

**JACK BRACK ROAD  
WIDENING**

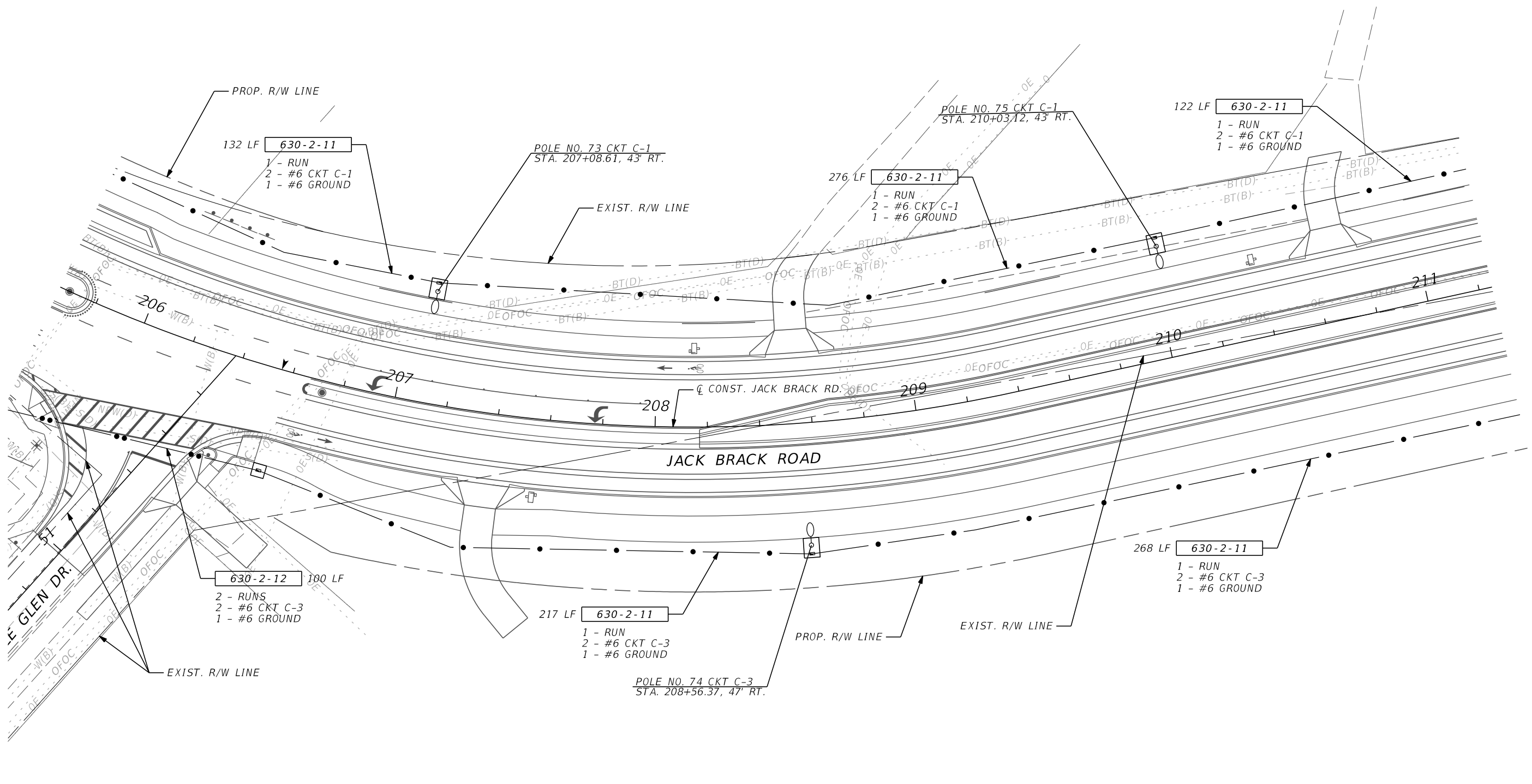
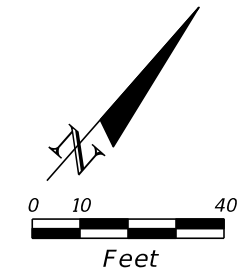
**ENGINEER OF RECORD**  
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**LIGHTING PLAN (19)**

SHEET NO.  
**L-29**

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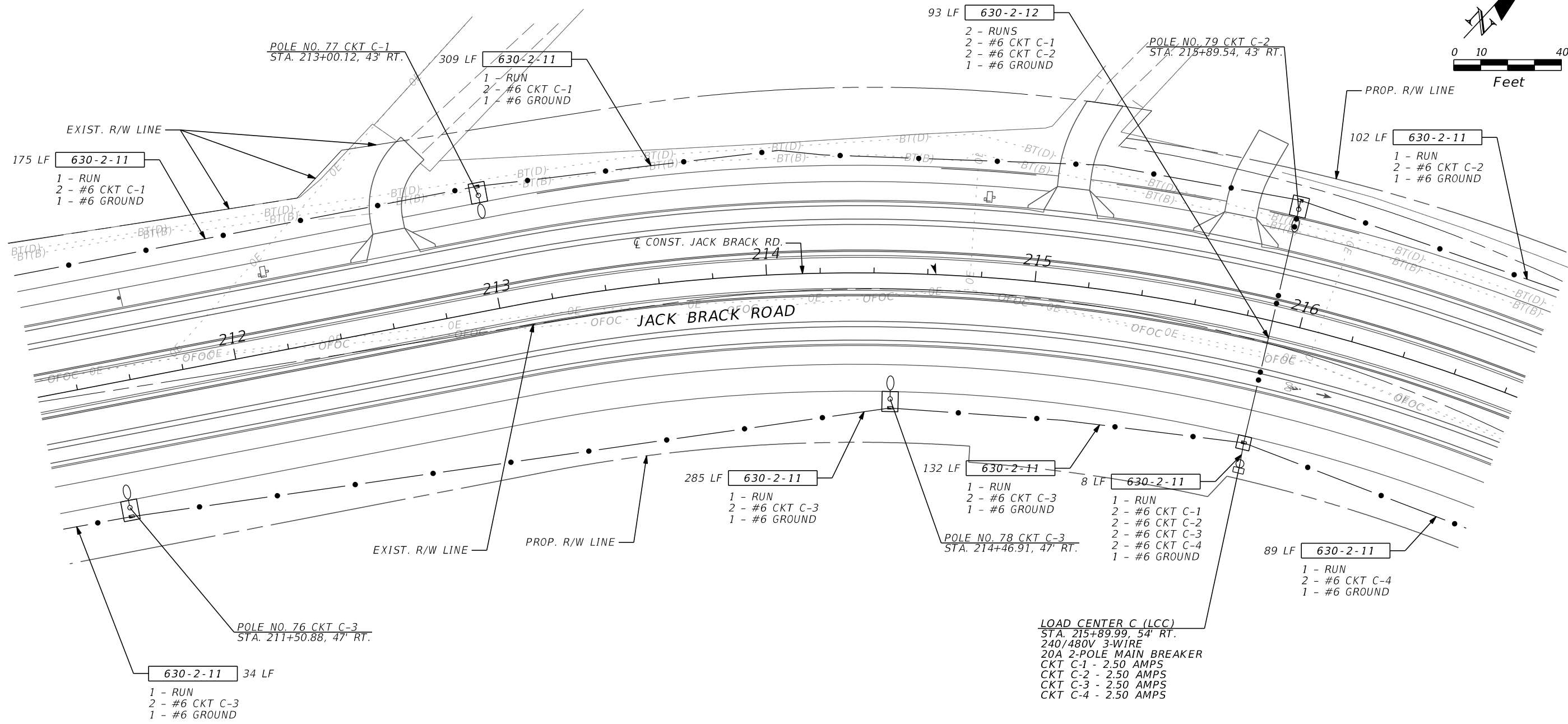
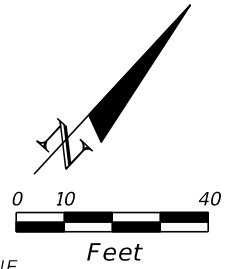
**ENGINEER OF RECORD**  
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**LIGHTING PLAN (20)**

SHEET  
NO.  
**L-30**

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WIDENING**

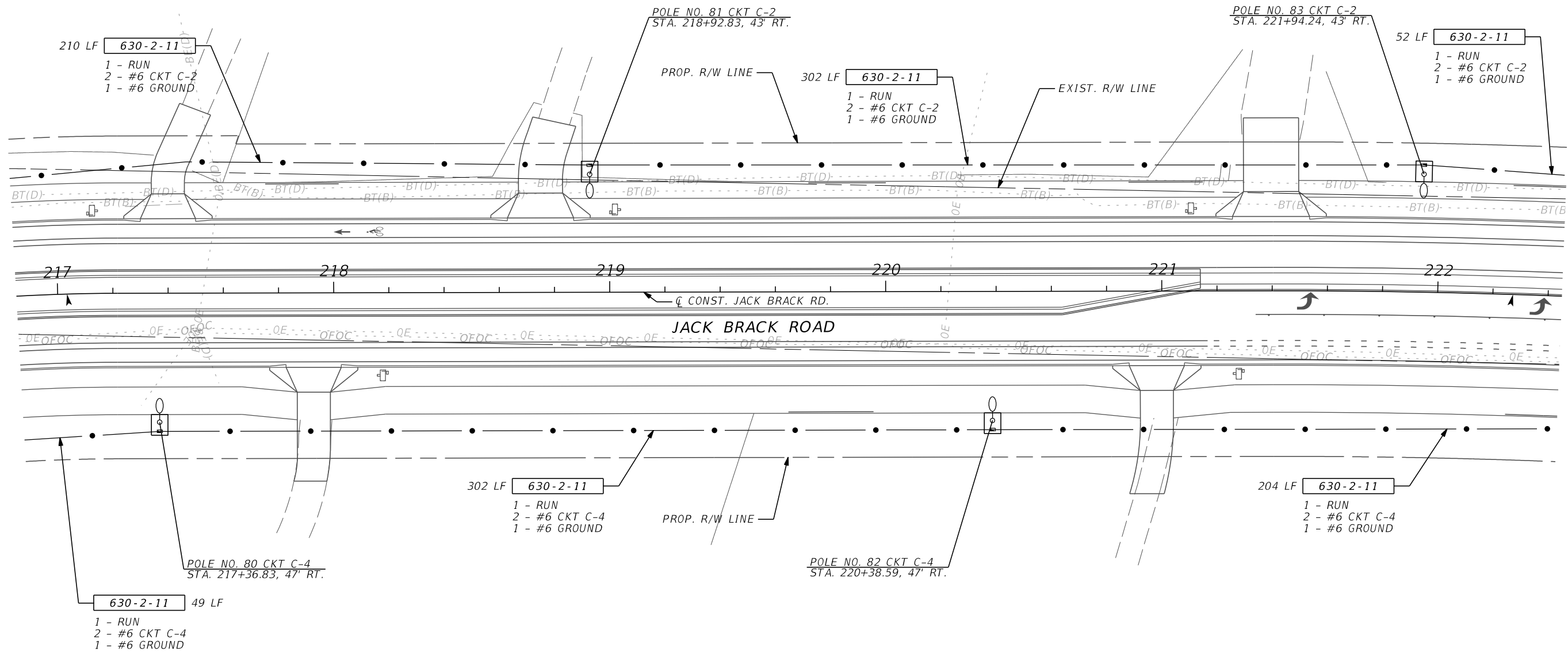
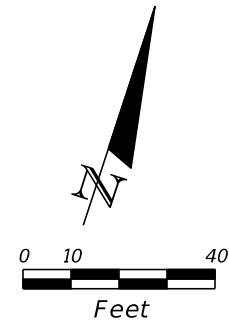
**ENGINEER OF RECORD**  
Adam C. Burnett, PE  
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**LIGHTING PLAN (21)**

SHEET NO.  
**L-31**

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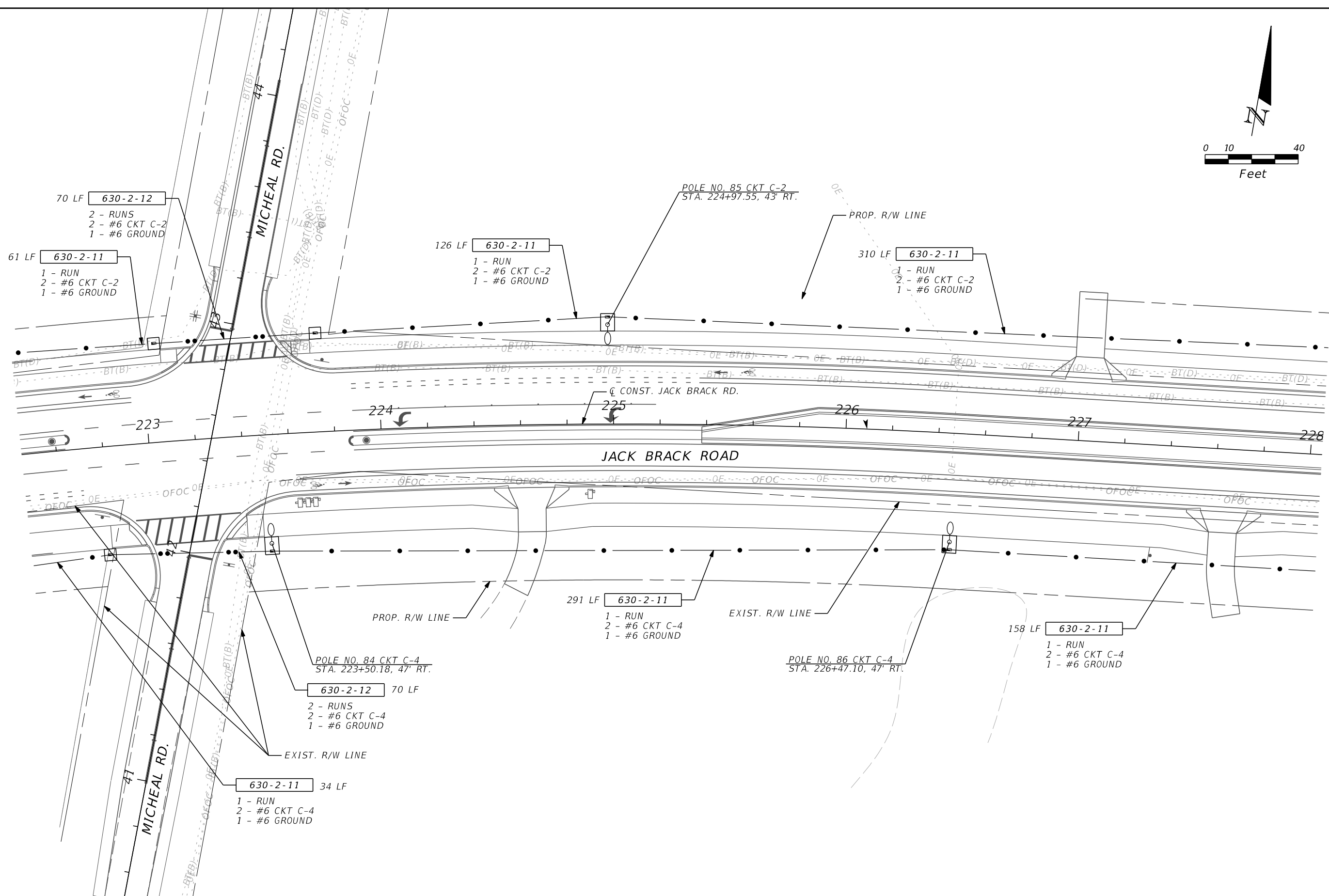
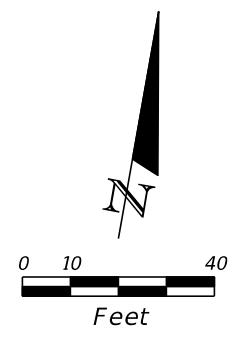


**LIGHTING PLAN (22)**

SHEET NO.  
**L-32**

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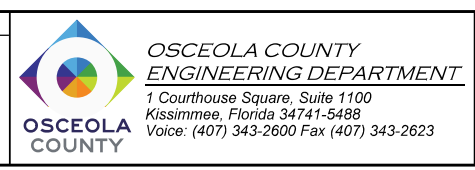




REVISIONS		
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**JACK BRACK ROAD  
WIDENING**

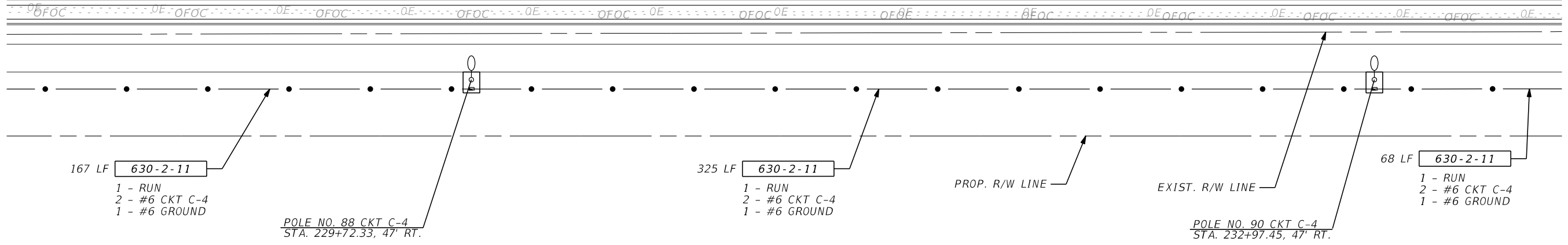
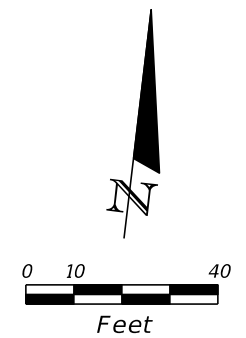
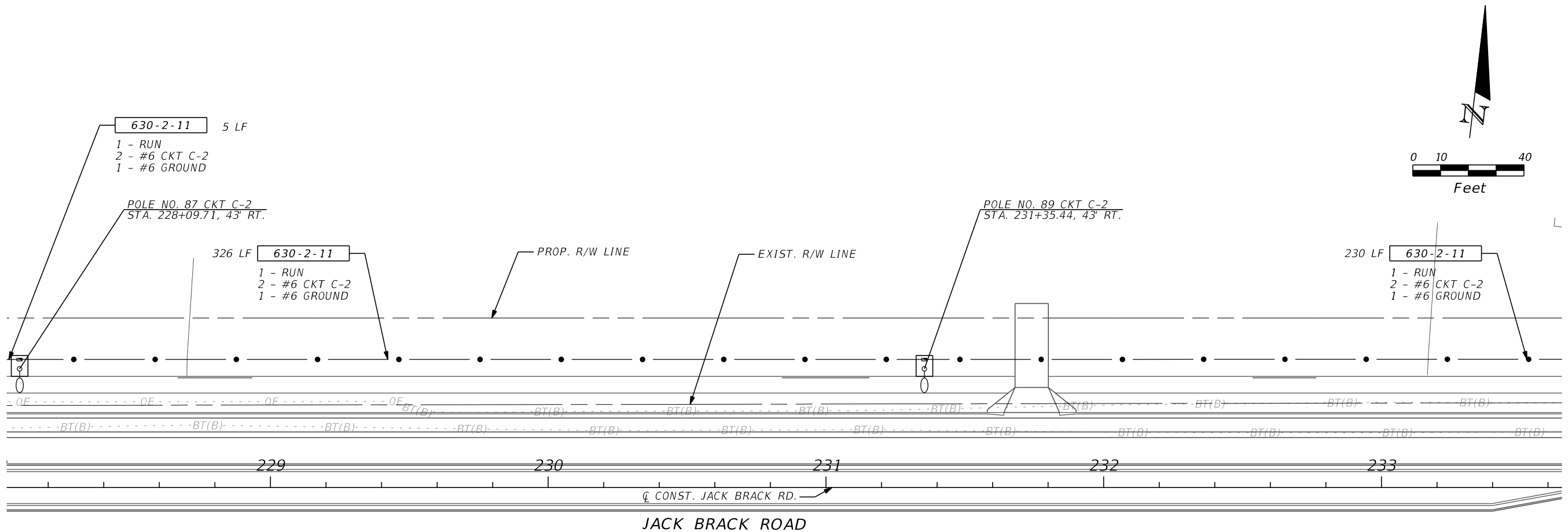
**ENGINEER OF RECORD**  
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 Oviedo, Florida 32765



**LIGHTING PLAN (23)**

SHEET NO.  
**L-33**

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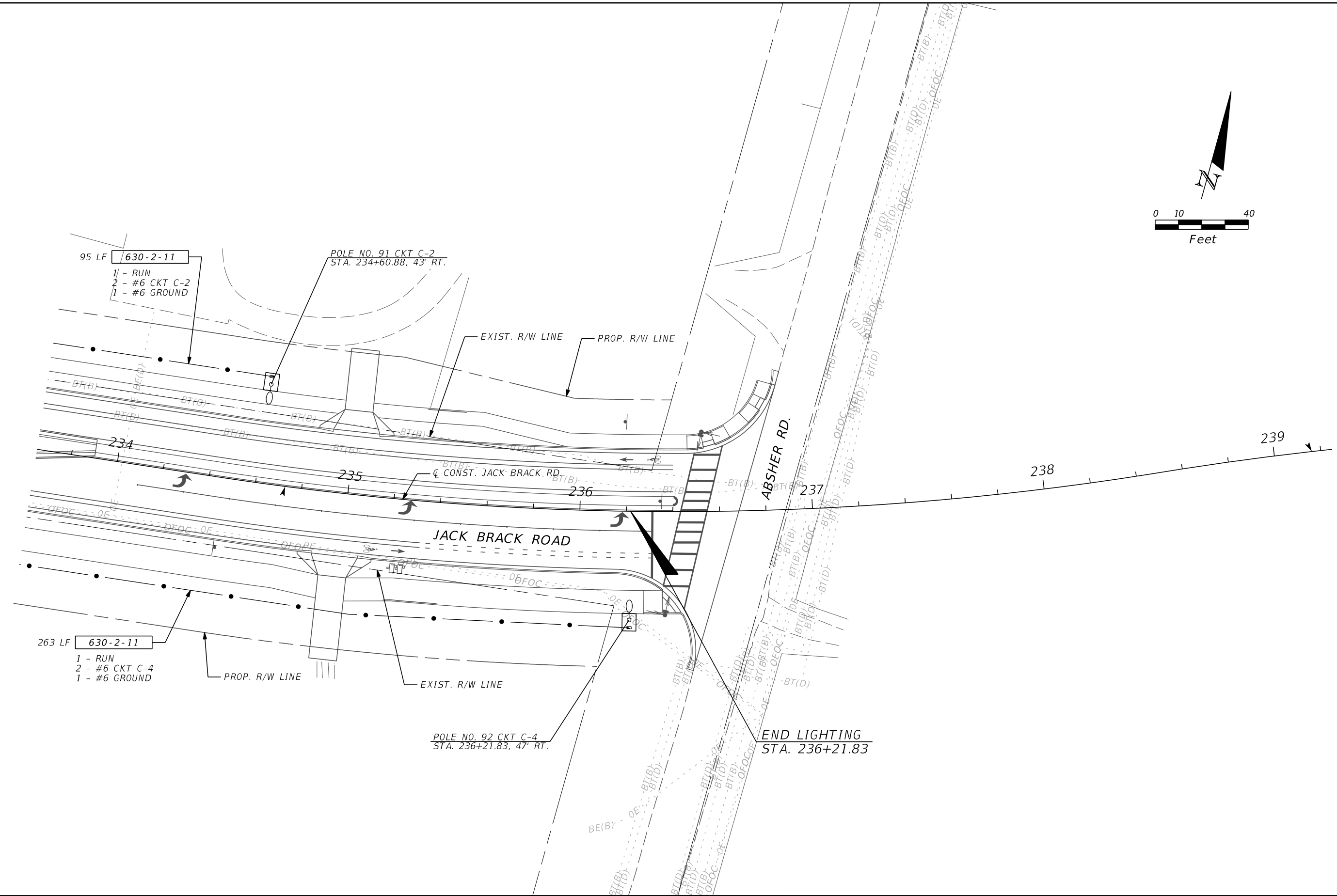
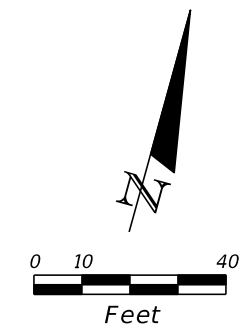
**JACK BRACK ROAD  
WIDENING**

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**LIGHTING PLAN (24)**

SHEET NO.  
**L-34**



REVISIONS		
DATE	BY	DESCRIPTION

**JACK BRACK ROAD  
WIDENING**

**ENGINEER OF RECORD**  
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**LIGHTING PLAN (25)**

SHEET NO.  
**L-35**

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Load Center A (LCA) at STA 124+25.34						
PANEL 240/480V						
CKT NO.	SERVING	VA	KVA	AMPS	C.BKR	WIRE/CONDUIT
A-1	Jack Brack Rd West of Load Center A (WB)	1199.44	1.20	2.50	10A-2P	#6 AWG/2"C
A-2	Jack Brack Rd East of Load Center A (WB)	1370.79	1.37	2.86	10A-2P	#6 AWG/2"C
A-3	Jack Brack Rd West of Load Center A (EB)	1199.44	1.20	2.50	10A-2P	#6 AWG/2"C
A-4	Jack Brack Rd East of Load Center A (EB)	1370.79	1.37	2.86	10A-2P	#6 AWG/2"C
<b>Total NEC Demand</b>		<b>5140.45</b>	<b>5.14</b>	<b>10.71</b>	<b>20A-2P Main</b>	

Load Center B (LCB) at STA 170+59.67						
PANEL 240/480V						
CKT NO.	SERVING	VA	KVA	AMPS	C.BKR	WIRE/CONDUIT
B-1	Jack Brack Rd West of Load Center B (WB)	1713.48	1.71	3.57	10A-2P	#6 AWG/2"C
B-2	Jack Brack Rd East of Load Center B (WB)	1370.79	1.37	2.86	10A-2P	#6 AWG/2"C
B-3	Jack Brack Rd West of Load Center B (EB)	1370.79	1.37	2.86	10A-2P	#6 AWG/2"C
B-4	Jack Brack Rd East of Load Center B (EB)	1370.79	1.37	2.86	10A-2P	#6 AWG/2"C
<b>Total NEC Demand</b>		<b>5825.84</b>	<b>5.83</b>	<b>12.14</b>	<b>20A-2P Main</b>	

Load Center C (LCC) at STA 215+89.99						
PANEL 240/480V						
CKT NO.	SERVING	VA	KVA	AMPS	C.BKR	WIRE/CONDUIT
C-1	Jack Brack Rd West of Load Center C (WB)	1199.44	1.20	2.50	10A-2P	#6 AWG/2"C
C-2	Jack Brack Rd East of Load Center C (WB)	1199.44	1.20	2.50	10A-2P	#6 AWG/2"C
C-3	Jack Brack Rd West of Load Center C (EB)	1199.44	1.20	2.50	10A-2P	#6 AWG/2"C
C-4	Jack Brack Rd East of Load Center C (EB)	1199.44	1.20	2.50	10A-2P	#6 AWG/2"C
<b>Total NEC Demand</b>		<b>4797.75</b>	<b>4.80</b>	<b>10.00</b>	<b>20A-2P Main</b>	

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**PANEL BOARD  
SCHEDULES**

SHEET NO.  
**L-36**