

STATE OF FLORIDA
DEPARTMENT OF TRANSPORTATION

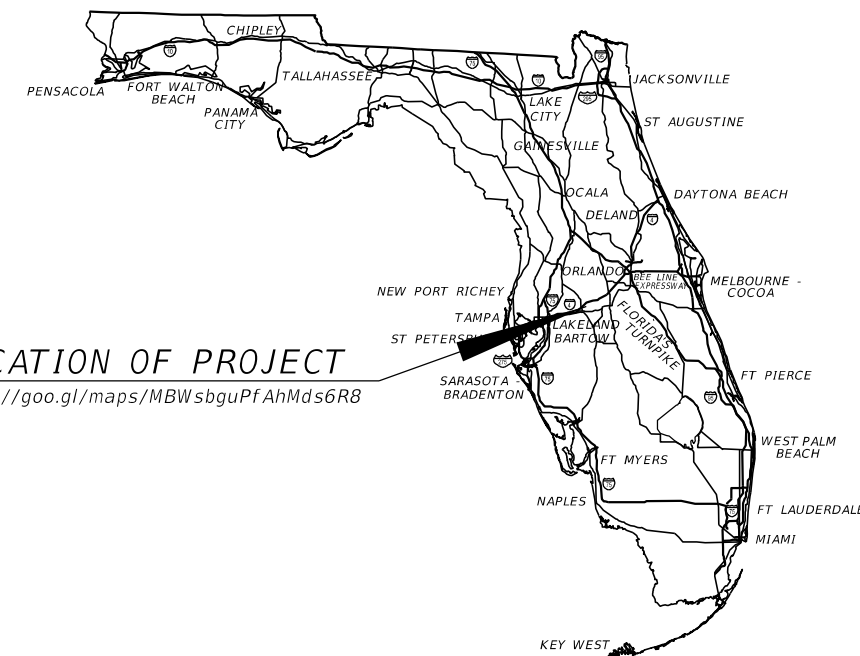
CONTRACT PLANS

FINANCIAL PROJECT ID 430185-4-52-01
POLK COUNTY (16070)
STATE ROAD NO. 33
FROM OLD COMBEE ROAD TO S OF FIRSTPARK BLVD. S

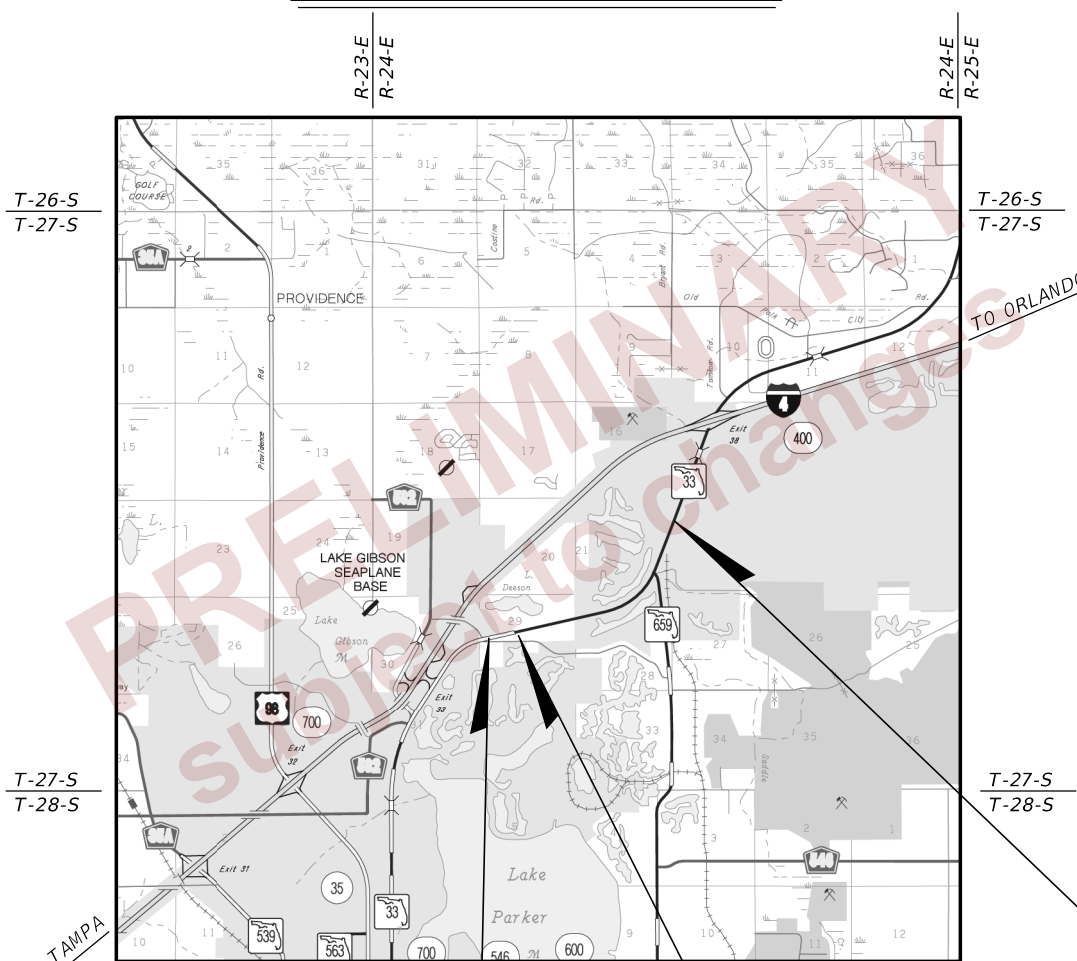
LIGHTING PLANS

INDEX OF LIGHTING PLANS

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LOCATION OF PROJECT
<https://goo.gl/maps/MBWsbguPfAhMds6R8>



PHASE IV PLANS
FEBRUARY 29, 2024

LIGHTING PLANS
ENGINEER OF RECORD:

JAMIE P. HEUER, P.E.
P.E. No. 67493
H.W. LOCHNER, INC.
4300 W. CYPRESS STREET
SUITE 500
TAMPA, FLORIDA 33607
(813) 357-3750
CONTRACT NO. C9C38
VENDOR NO. VF362338811001

FDOT PROJECT MANAGER:

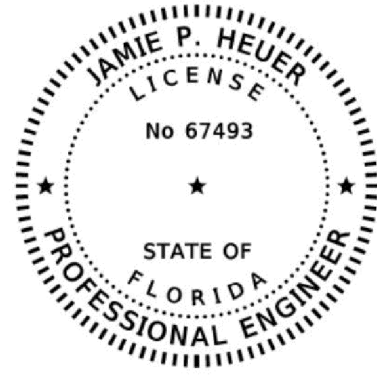
DOUG BURKHART, P.E.
PHONE: 850-536-8539

END PROJECT
END CONSTRUCTION
STA. 3399+74.08
Q CONST. SR. 33
MP 7.518

BEGIN PROJECT
STA. 3266+24.65
Q CONST. SR. 33
MP 4.99

BEGIN CONSTRUCTION
STA. 3262+40.67
Q CONST. SR. 33
MP 4.916

CONSTRUCTION CONTRACT NO.	FISCAL YEAR	SHEET NO.
TBD	25	L-1



THIS DOCUMENT HAS BEEN DIGITALLY SIGNED AND SEALED BY:

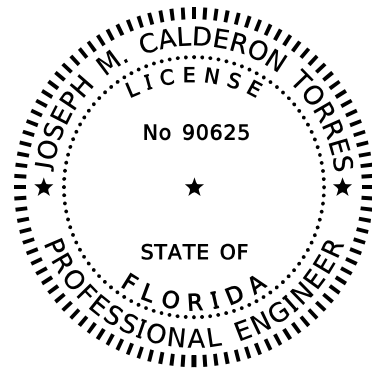
ON THE DATE ADJACENT TO THE SEAL

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

H.W. LOCHNER
 4350 W. CYPRESS STREET, SUITE 800
 TAMPA, FLORIDA 33607
 CERTIFICATE OF AUTHORIZATION NO. 894
 JAMIE P. HEUER, P.E. NO 67493

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	GENERAL NOTES
L-4 - L-7	LIGHTING DATA TABLE AND LEGEND
L-8 - L-9	PROJECT LAYOUT
L-10 - L-37	LIGHTING PLANS



THIS DOCUMENT HAS BEEN DIGITALLY SIGNED AND SEALED BY:

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H.W. LOCHNER
 4350 W. CYPRESS STREET, SUITE 800
 TAMPA, FLORIDA 33607
 CERTIFICATE OF AUTHORIZATION NO. 894
 JOSEPH M. CALDERON TORRES, II, P.E. NO 90625

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-2	SIGNATURE SHEET
L-38 - L-39	SERVICE POINT DETAILS

PRELIMINARY
 subject to changes

2/29/2024 11:42:20 AM BMILLER c:\pw_working\lochne-pw-01\dms1885\5\IGNLT01.dgn

REVISIONS				ENGINEER OF RECORD	STATE OF FLORIDA DEPARTMENT OF TRANSPORTATION			SHEET NO.
DATE	DESCRIPTION	DATE	DESCRIPTION	JAMIE P. HEUER, P.E. LICENSE NUMBER 67493 H.W. LOCHNER 4300 W. CYPRESS STREET, SUITE 500 TAMPA, FLORIDA 33607	ROAD NO.	COUNTY	FINANCIAL PROJECT ID	
					SR 33	POLK	430185-4-52-01	L-2

SIGNATURE SHEET

GENERAL NOTES

1. UTILITY OWNERS: SEE ROADWAY PLANS.
2. THE LIGHTING SYSTEM WILL BE MAINTAINED BY THE CITY OF LAKE LAND.

PAY ITEM NOTES

1. ITEM 715-69-000: PAY ITEM INCLUDES THE REMOVAL OF THE EXISTING FOUNDATION AND THE FILLING OF THE VOID DUE TO THE REMOVAL OF THE FOUNDATION. THE REMOVED POLES, LUMINAIRES, ARMS AND RELATED HARDWARE WILL BE STOCKPILED FOR DELIVERY TO THE CITY OF LAKE LAND.

PRELIMINARY
subject to changes

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REVISIONS				ENGINEER OF RECORD	STATE OF FLORIDA DEPARTMENT OF TRANSPORTATION			GENERAL NOTES	SHEET NO.
DATE	DESCRIPTION	DATE	DESCRIPTION	JAMIE P. HEUER, P.E. LICENSE NUMBER 67493 H.W. LOCHNER 4300 W. CYPRESS STREET, SUITE 500 TAMPA, FLORIDA 33607	ROAD NO.	COUNTY	FINANCIAL PROJECT ID		L-3
					SR 33	POLK	430185-4-52-01		

**CONVENTIONAL LIGHTING
DESIGN CRITERIA**

Average Initial Intensity	1.5 Foot Candles
Uniformity Ratio Avg./Min.	4:1 Or Less
Max./Min.	10:1 Or Less
Wind Speed	140 MPH
Veiling Luminance Ratio	0.3 or Less

**ROUNDAABOUT LIGHTING
DESIGN CRITERIA**

Average Initial Intensity	3.0 H.F.C STD., 1.5 H.F.C. MIN. 2.3 V.F.C. STD., 1.2 V.F.C. MIN.
Uniformity Ratio Avg./Min.	4:1 Or Less
Max./Min.	10:1 Or Less
Wind Speed	140 MPH

**SIGNALIZED INTERSECTION LIGHTING
RETROFIT DESIGN CRITERIA**

AVERAGE INITIAL INTENSITY	1.5 H.F.C/1.5 V.F.C. (STD) 1.0 H.F.C/1.0 V.F.C. (MIN)
UNIFORMITY RATIO AVG./MIN.	4:1 OR LESS
MAX./MIN.	10:1 OR LESS
WIND SPEED	140 MPH

SYMBOLS

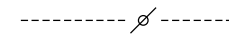
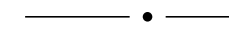
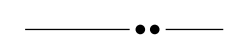






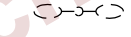
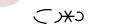
DESCRIPTION

	180 watt LED luminaire, 8 ft. arm, shoulder mounted, designed for Type 2 distribution and integral LED driver wired for 240 volt operation. Pole mounting height is 40 ft. Photometric curve no. RFL-180W112LED3K-G2-2M.IES at 22470 lumens and 3000K CCT was used as basis of design.
	241 watt and 180 watt, 15 ft. and 8 ft. arms, respectively, each designed for Type 2 distribution and with integral LED driver wired for 240 volt operation. The 241 watt luminaire is to illuminate the sidewalk and the 180 watt luminaire is to illuminate the travel lanes. Pole mounting height is 40 ft. Photometric curves RFL-241W112LED-G2-R2M.IES at 30916 lumens and RFL-180W112LED-G2-R2M.IES at 22470 lumens were used as basis of design. The CCT of both luminaires is 3000K.
	241 watt LED luminaire, 16 ft. arm, shoulder mounted, designed for Type 3 distribution and with integral LED driver wired for 240 volt operation. Pole mounting height is 40 ft. Photometric curve no. RFL-241W112LED4K-G2-R3M.IES at 30820 lumens and 3000K CCT was used as basis of design.
	241 watt LED luminaire, 16 ft. arm, shoulder mounted, designed for Type 4 distribution and with integral LED driver wired for 240 volt operation. Pole mounting height is 40 ft. Photometric curve no. RFL-241W112LED4K-G2-4.IES at 30676 lumens and 3000K CCT was used as basis of design.
	180 watt LED luminaire, 16 ft. arm, shoulder mounted, designed for Type 2 distribution and integral LED driver wired for 240 volt operation. Pole mounting height is 40 ft. Photometric curve no. RFL-180W112LED3K-G2-2M.IES at 22470 lumens and 3000K CCT was used as basis of design.
	350 watt LED luminaire, 8 ft. arm, shoulder mounted, designed for Type 4 distribution and integral LED driver wired for 240 volt (FDOT) operation. Pole mounting height is 40 ft. Photometric curve no. RFL-350112LED3K-G2-4.IES at 39574 lumens and 3000K CCT was used as basis of design.
	180 watt LED luminaire, 8 ft. arm, shoulder mounted, designed for Type 3 distribution and integral LED driver wired for 240 volt operation. Pole mounting height is 40 ft. Photometric curve no. RFL-180W112LED3K-G2-2M.IES at 22470 lumens 3000K CCT was used as basis of design.
	180 watt LED luminaire, 8 ft. arm, shoulder mounted, designed for Type 4 distribution and integral LED driver wired for 240 volt operation. Pole mounting height is 40 ft. Photometric curve no. RFL-180W112LED3K-G2-4.IES at 22470 lumens and 3000K CCT was used as basis of design.
	Standard light pole foundation and slab, which is included in the light pole pay item. Symbol also includes pull box and pole cable distribution system which are to be paid for separately under pay items 635-2-11 and 715-500-1, respectively.
	Special light pole foundation and slab, which is included in the light pole pay item. Symbol also includes pull box and pole cable distribution system which are to be paid for separately under pay items 635-2-11 and 715-500-1, respectively.

LEGEND

SYMBOLS

DESCRIPTION

	Existing conduit and conductors to be removed unless noted otherwise.
	Size 2" schedule 40 conduit with THWN-2 conductors inside conduit (conductor size as shown on plan sheets). Run one (1) No. 6 AWG (minimum) copper bond conductor (THWN-2 green insulation) inside conduit with other conductors unless otherwise noted.
	Size 2" HDPE, directionally bored under pavement with THWN-2 conductors inside (conductor size as shown on plan sheets). Extend conduit beyond edge of pavement to pull boxes. Run one (1) No. 6 minimum AWG copper bond conductor (THWN-2 green insulation) inside conduit with other conductors unless otherwise noted. Symbol includes spare conduit which shall be capped at both ends.
	Pull box. See Section 635 of Standard Specifications For Road And Bridge Construction. Cost of concrete slab is incidental to pull box pay item 635-2-11.
	Existing pull box to be removed unless noted otherwise.
	Existing Lighting Control Panel to be remain.
	Lighting Control Panel. For requirements, see Index 639-001 of Standard Plans For Road and Bridge Construction.
	Point of service.
	Existing pole and luminaire to remain.
	Existing pole and luminaire to remain.
	Existing pole and luminaire to be removed.

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REVISIONS				ENGINEER OF RECORD		STATE OF FLORIDA DEPARTMENT OF TRANSPORTATION			LIGHTING DATA TABLE AND LEGEND	SHEET NO.
DATE	DESCRIPTION	DATE	DESCRIPTION	JAMIE P. HEUER, P.E. LICENSE NUMBER 67493 H.W. LOCHNER 4300 W. CYPRESS STREET, SUITE 500 TAMPA, FLORIDA 33607		ROAD NO.	COUNTY	FINANCIAL PROJECT ID		L-4
						SR 33	POLK	430185-4-52-01		

LIGHTING DATA

POLE NO.	CIRCUIT	STATION	OFFSET	ARM LENGTH	ARM CONFIGURATION	NUMBER OF LUMINAIRES	INPUT WATTAGE LUMINAIRES	MOUNTING HEIGHT	TILT ANGLE	INPUT VOLTAGE	LOCATION	FOUNDATION	MAINTAINING AGENCY	PAY ITEM
B26	B-4	3266+02 @ CONST. SR 33	73.9' RT	16'	SINGLE	1	241W	40'	0°	240	8' FBEOS	STANDARD	CITY OF LAKELAND	715-65-366
B27	B-2	3266+38 @ CONST. SR 33	51.5' LT	8'	DOUBLE	2	180W	40'	0°	240	6' FFOC	STANDARD	CITY OF LAKELAND	715-61-311
B28	B-4	3267+78 @ CONST. SR 33	39.5' RT	8'	DOUBLE	2	180W	40'	0°	240	5' FFOC	STANDARD	CITY OF LAKELAND	715-61-311
B29	B-2	3268+45 @ CONST. SR 33	51.5' LT	8'	DOUBLE	2	180W	40'	0°	240	6' FFOC	STANDARD	CITY OF LAKELAND	715-61-311
B30	B-4	3269+98 @ CONST. SR 33	39.5' RT	8'	DOUBLE	2	180W	40'	0°	240	5' FFOC	STANDARD	CITY OF LAKELAND	715-61-311
B31	B-2	3270+63 @ CONST. SR 33	49.5' LT	8'	DOUBLE	2	180W	40'	0°	240	15' FFOC	STANDARD	CITY OF LAKELAND	715-61-311
B32	B-4	3272+18 @ CONST. SR 33	39.5' RT	8'	DOUBLE	2	180W	40'	0°	240	5' FFOC	STANDARD	CITY OF LAKELAND	715-61-311
B33	B-2	3272+82 @ CONST. SR 33	49.5' LT	8'	DOUBLE	2	180W	40'	0°	240	15' FFOC	STANDARD	CITY OF LAKELAND	715-61-311
B34	B-4	3274+39 @ CONST. SR 33	39.5' RT	8'	DOUBLE	2	180W	40'	0°	240	5' FFOC	STANDARD	CITY OF LAKELAND	715-61-311
B35	B-2	3274+93 @ CONST. SR 33	54.0' LT	8'	DOUBLE	2	180W	40'	0°	240	4' FBEOS	STANDARD	CITY OF LAKELAND	715-61-311
B36	B-4	3276+44 @ CONST. SR 33	50.0' RT	8'	DOUBLE	2	180W	40'	0°	240	5' FFOC	STANDARD	CITY OF LAKELAND	715-61-311
B37	B-2	3277+13 @ CONST. SR 33	54.0' LT	8'	SINGLE	1	180W	40'	0°	240	4' FBEOS	STANDARD	CITY OF LAKELAND	715-61-311
B38	B-4	3266+01 @ CONST. SR 33	119.0' RT	8'	SINGLE	1	180W	40'	0°	240	25' FEOP	STANDARD	CITY OF LAKELAND	715-61-311
B39	B-2	3265+39 @ CONST. SR 33	104.4' LT	8'	SINGLE	1	180W	40'	0°	240	22' FEOP	STANDARD	CITY OF LAKELAND	715-61-311
C1	C-1	3279+34 @ CONST. SR 33	40.5' LT	8'	DOUBLE	2	180W	40'	0°	240	6' FFOC	SPECIAL	CITY OF LAKELAND	715-62-311
C2	C-2	3278+69 @ CONST. SR 33	39.5' RT	8'	DOUBLE	2	180W	40'	0°	240	5' FFOC	STANDARD	CITY OF LAKELAND	715-61-311
C3	C-1	3281+54 @ CONST. SR 33	40.5' LT	8'	DOUBLE	2	180W	40'	0°	240	6' FFOC	STANDARD	CITY OF LAKELAND	715-61-311
C4	C-2	3280+88 @ CONST. SR 33	39.5' RT	8'	DOUBLE	2	180W	40'	0°	240	5' FFOC	STANDARD	CITY OF LAKELAND	715-61-311
C5	C-1	3283+74 @ CONST. SR 33	40.5' LT	8'	DOUBLE	2	180W	40'	0°	240	6' FFOC	STANDARD	CITY OF LAKELAND	715-61-311
C6	C-2	3283+08 @ CONST. SR 33	39.5' RT	8'	DOUBLE	2	180W	40'	0°	240	5' FFOC	STANDARD	CITY OF LAKELAND	715-61-311
C7	C-1	3286+07 @ CONST. SR 33	64.0' LT	8'	DOUBLE	2	180W	40'	0°	240	4' FBEOS	STANDARD	CITY OF LAKELAND	715-61-311
C8	C-2	3285+11 @ CONST. SR 33	39.5' RT	8'	DOUBLE	2	180W	40'	0°	240	5' FFOC	STANDARD	CITY OF LAKELAND	715-61-311
C9	C-1	3288+25 @ CONST. SR 33	39.5' LT	8'	DOUBLE	2	180W	40'	0°	240	5' FFOC	STANDARD	CITY OF LAKELAND	715-61-311
C10	C-2	3287+38 @ CONST. SR 33	39.5' RT	8'	DOUBLE	2	180W	40'	0°	240	5' FFOC	STANDARD	CITY OF LAKELAND	715-61-311
C11	C-1	3290+45 @ CONST. SR 33	39.5' LT	8'	DOUBLE	2	180W	40'	0°	240	5' FFOC	STANDARD	CITY OF LAKELAND	715-61-311
C12	C-2	3289+58 @ CONST. SR 33	39.5' RT	8'	DOUBLE	2	180W	40'	0°	240	5' FFOC	STANDARD	CITY OF LAKELAND	715-61-311
C13	C-1	3292+30 @ CONST. SR 33	60.5' LT	8'	DOUBLE	2	180W	40'	0°	240	5.5' FBEOS	SPECIAL	CITY OF LAKELAND	715-62-311
C14	C-2	3291+83 @ CONST. SR 33	39.5' RT	8'	DOUBLE	2	180W	40'	0°	240	5' FFOC	STANDARD	CITY OF LAKELAND	715-61-311
C15	C-1	3294+58 @ CONST. SR 33	39.5' LT	15', 8'	DOUBLE	2	1-241W, 1-180W	40'	0°	240	5' FFOC	STANDARD	CITY OF LAKELAND	715-61-311
C16	C-2	3294+06 @ CONST. SR 33	39.5' RT	8'	DOUBLE	2	180W	40'	0°	240	5' FFOC	STANDARD	CITY OF LAKELAND	715-61-311
C17	C-1	3296+73 @ CONST. SR 33	39.5' LT	15', 8'	DOUBLE	2	1-241, 1-180	40'	0°	240	5' FFOC	STANDARD	CITY OF LAKELAND	715-61-311
C18	C-2	3296+23 @ CONST. SR 33	39.5' RT	8'	DOUBLE	2	180W	40'	0°	240	5' FFOC	STANDARD	CITY OF LAKELAND	715-61-311
C19	C-1	3298+93 @ CONST. SR 33	39.5' LT	15', 8'	DOUBLE	2	1-241W, 1-180W	40'	0°	240	5' FFOC	STANDARD	CITY OF LAKELAND	715-61-311
C20	C-2	3298+33 @ CONST. SR 33	70.0' RT	8'	SINGLE	1	180W	40'	0°	240	4' FBEOS	SPECIAL	CITY OF LAKELAND	715-62-311
C21	C-1	3301+13 @ CONST. SR 33	39.5' LT	15', 8'	DOUBLE	2	1-241W, 1-180W	40'	0°	240	5' FFOC	STANDARD	CITY OF LAKELAND	715-61-311
C22	C-2	3300+49 @ CONST. SR 33	39.5' RT	8'	DOUBLE	2	180W	40'	0°	240	5' FFOC	STANDARD	CITY OF LAKELAND	715-61-311
C23	C-1	3303+33 @ CONST. SR 33	39.5' LT	15', 8'	DOUBLE	2	1-241W, 1-180W	40'	0°	240	5' FFOC	STANDARD	CITY OF LAKELAND	715-61-311
C24	C-2	3302+69 @ CONST. SR 33	39.5' RT	8'	DOUBLE	2	180W	40'	0°	240	5' FFOC	STANDARD	CITY OF LAKELAND	715-61-311
C25	C-1	3305+60 @ CONST. SR 33	40.5' LT	15', 8'	DOUBLE	2	1-241W, 1-180W	40'	0°	240	5' FFOC	STANDARD	CITY OF LAKELAND	715-61-311
C26	C-2	3304+72 @ CONST. SR 33	39.5' RT	8'	DOUBLE	2	180W	40'	0°	240	5' FFOC	STANDARD	CITY OF LAKELAND	715-61-311
C27	C-1	3307+78 @ CONST. SR 33	39.5' LT	15', 8'	DOUBLE	2	1-241W, 1-180W	40'	0°	240	5' FFOC	STANDARD	CITY OF LAKELAND	715-61-311
C28	C-2	3306+98 @ CONST. SR 33	39.5' RT	8'	DOUBLE	2	180W	40'	0°	240	5' FFOC	STANDARD	CITY OF LAKELAND	715-61-311
C29	C-3	3309+93 @ CONST. SR 33	39.5' LT	8'	DOUBLE	2	1-241W, 1-180W	40'	0°	240	5' FFOC	STANDARD	CITY OF LAKELAND	715-61-311
C30	C-4	3309+16 @ CONST. SR 33	39.5' RT	8'	DOUBLE	2	180W	40'	0°	240	5' FFOC	STANDARD	CITY OF LAKELAND	715-61-311
C31	C-3	3312+07 @ CONST. SR 33	39.5' LT	15', 8'	DOUBLE	2	1-241W, 1-180W	40'	0°	240	5' FFOC	STANDARD	CITY OF LAKELAND	715-61-311
C32	C-4	3311+37 @ CONST. SR 33	50.5' RT	8'	DOUBLE	2	180W	40'	0°	240	5' FFOC	STANDARD	CITY OF LAKELAND	715-61-311
C33	C-3	3314+33 @ CONST. SR 33	42.0' LT	15', 8'	DOUBLE	2	1-241W, 1-180W	40'	0°	240	6' FFOC	STANDARD	CITY OF LAKELAND	715-61-311
C34	C-4	3313+57 @ CONST. SR 33	50.5' RT	8'	DOUBLE	2	180W	40'	0°	240	5' FFOC	STANDARD	CITY OF LAKELAND	715-61-311
C35	C-3	3316+53 @ CONST. SR 33	50.5' LT	8'	DOUBLE	2	180W	40'	0°	240	5' FFOC	STANDARD	CITY OF LAKELAND	715-61-311
C36	C-4	3315+76 @ CONST. SR 33	39.5' RT	8'	DOUBLE	2	180W	40'	0°	240	5' FFOC	STANDARD	CITY OF LAKELAND	715-61-311
C37	C-3	3318+73 @ CONST. SR 33	50.5' LT	8'	DOUBLE	2	180W	40'	0°	240	5' FFOC	STANDARD	CITY OF LAKELAND	715-61-311

FBEOS - FROM BACK EDGE OF SIDEWALK FEOTL - FROM EDGE OF TRAVEL LANE
 FEOS - FROM FRONT EDGE OF SIDEWALK FFOC - FROM FRONT FACE OF CURB

REVISIONS				ENGINEER OF RECORD			STATE OF FLORIDA DEPARTMENT OF TRANSPORTATION			LIGHTING DATA TABLE AND LEGEND	SHEET NO. L-5
DATE	DESCRIPTION	DATE	DESCRIPTION	JAMIE P. HEUER, P.E. LICENSE NUMBER 67493 H.W. LOCHNER 4300 W. CYPRESS STREET, SUITE 500 TAMPA, FLORIDA 33607			ROAD NO.	COUNTY	FINANCIAL PROJECT ID		
							SR 33	POLK	430185-4-52-01		

LIGHTING DATA

POLE NO.	CIRCUIT	STATION	OFFSET	ARM LENGTH	ARM CONFIGURATION	NUMBER OF LUMINAIRES	INPUT WATTAGE LUMINAIRES	MOUNTING HEIGHT	TILT ANGLE	INPUT VOLTAGE	LOCATION	FOUNDATION	MAINTAINING AGENCY	PAY ITEM
C38	C-4	3317+97 C CONST. SR 33	39.5' RT	8'	DOUBLE	2	180W	40'	0°	240	5' FFOC	STANDARD	CITY OF LAKELAND	715-61-311
C39	C-3	3320+91 C CONST. SR 33	46.5' LT	8'	DOUBLE	2	180W	40'	0°	240	12' FFOC	STANDARD	CITY OF LAKELAND	715-61-311
C40	C-4	3320+12 C CONST. SR 33	39.5' RT	8'	DOUBLE	2	180W	40'	0°	240	5' FFOC	STANDARD	CITY OF LAKELAND	715-61-311
C41	C-3	3323+11 C CONST. SR 33	46.5' LT	8'	DOUBLE	2	180W	40'	0°	240	12' FFOC	STANDARD	CITY OF LAKELAND	715-61-311
C42	C-4	3322+37 C CONST. SR 33	39.5' RT	8'	DOUBLE	2	180W	40'	0°	240	5' FFOC	STANDARD	CITY OF LAKELAND	715-61-311
C43	C-3	3325+31 C CONST. SR 33	46.5' LT	8'	DOUBLE	2	180W	40'	0°	240	12' FFOC	STANDARD	CITY OF LAKELAND	715-61-311
C44	C-4	3324+55 C CONST. SR 33	39.5' RT	8'	DOUBLE	2	180W	40'	0°	240	5' FFOC	STANDARD	CITY OF LAKELAND	715-61-311
C45	C-3	3327+56 C CONST. SR 33	46.5' LT	8'	DOUBLE	2	180W	40'	0°	240	12' FFOC	STANDARD	CITY OF LAKELAND	715-61-311
C46	C-4	3326+75 C CONST. SR 33	39.5' RT	8'	DOUBLE	2	180W	40'	0°	240	5' FFOC	STANDARD	CITY OF LAKELAND	715-61-311
C47	C-3	3329+79 C CONST. SR 33	46.5' LT	8'	DOUBLE	2	180W	40'	0°	240	12' FFOC	STANDARD	CITY OF LAKELAND	715-61-311
C48	C-4	3328+90 C CONST. SR 33	39.5' RT	8'	DOUBLE	2	180W	40'	0°	240	5' FFOC	STANDARD	CITY OF LAKELAND	715-61-311
C49	C-3	3332+02 C CONST. SR 33	46.5' LT	8'	DOUBLE	2	180W	40'	0°	240	12' FFOC	STANDARD	CITY OF LAKELAND	715-61-311
C50	C-4	3331+10 C CONST. SR 33	39.5' RT	8'	DOUBLE	2	180W	40'	0°	240	5' FFOC	STANDARD	CITY OF LAKELAND	715-61-311
C51	C-3	3334+25 C CONST. SR 33	46.5' LT	8'	DOUBLE	2	180W	40'	0°	240	12' FFOC	STANDARD	CITY OF LAKELAND	715-61-311
C52	C-4	3333+30 C CONST. SR 33	50.5' RT	8'	DOUBLE	2	180W	40'	0°	240	5' FFOC	STANDARD	CITY OF LAKELAND	715-61-311
C53	C-3	3336+48 C CONST. SR 33	46.5' LT	8'	DOUBLE	2	180W	40'	0°	240	12' FFOC	STANDARD	CITY OF LAKELAND	715-61-311
C54	C-4	3335+44 C CONST. SR 33	50.5' RT	8'	DOUBLE	2	180W	40'	0°	240	5' FFOC	STANDARD	CITY OF LAKELAND	715-61-311
D1	D-1	3338+71 C CONST. SR 33	60.5' LT	8'	DOUBLE	2	180W	40'	0°	240	15' FFOC	STANDARD	CITY OF LAKELAND	715-61-311
D2	D-2	3337+65 C CONST. SR 33	68.5' RT	8'	SINGLE	1	180W	40'	0°	240	5' FFOC	STANDARD	CITY OF LAKELAND	715-61-311
D3	D-1	3340+95 C CONST. SR 33	60.5' LT	8'	DOUBLE	2	180W	40'	0°	240	15' FFOC	STANDARD	CITY OF LAKELAND	715-61-311
D4	D-2	3339+37 C CONST. SR 33	39.5' RT	8'	DOUBLE	2	180W	40'	0°	240	5' FFOC	STANDARD	CITY OF LAKELAND	715-61-311
D5	D-1	3343+18 C CONST. SR 33	51.5' LT	8'	DOUBLE	2	1-241W, 1-180W	40'	0°	240	17' FFOC	STANDARD	CITY OF LAKELAND	715-61-311
D6	D-2	3341+54 C CONST. SR 33	39.5' RT	8'	DOUBLE	2	180W	40'	0°	240	5' FFOC	STANDARD	CITY OF LAKELAND	715-61-311
D7	D-1	3345+45 C CONST. SR 33	49.5' LT	8'	DOUBLE	2	1-241W, 1-180W	40'	0°	240	15' FFOC	SPECIAL	CITY OF LAKELAND	715-62-311
D8	D-2	3343+73 C CONST. SR 33	39.5' RT	8'	DOUBLE	2	180W	40'	0°	240	5' FFOC	STANDARD	CITY OF LAKELAND	715-61-311
D9	D-1	3347+70 C CONST. SR 33	49.5' LT	8'	DOUBLE	2	1-241W, 1-180W	40'	0°	240	15' FFOC	STANDARD	CITY OF LAKELAND	715-61-311
D10	D-2	3345+92 C CONST. SR 33	39.5' RT	8'	DOUBLE	2	180W	40'	0°	240	5' FFOC	STANDARD	CITY OF LAKELAND	715-61-311
D11	D-1	3349+87 C CONST. SR 33	49.5' LT	8'	DOUBLE	2	1-241W, 1-180W	40'	0°	240	15' FFOC	STANDARD	CITY OF LAKELAND	715-61-311
D12	D-2	3348+11 C CONST. SR 33	39.5' RT	8'	DOUBLE	2	180W	40'	0°	240	5' FFOC	STANDARD	CITY OF LAKELAND	715-61-311
D13	D-1	3352+10 C CONST. SR 33	49.5' LT	8'	DOUBLE	2	1-241W, 1-180W	40'	0°	240	15' FFOC	STANDARD	CITY OF LAKELAND	715-61-311
D14	D-2	3350+29 C CONST. SR 33	39.5' RT	8'	DOUBLE	2	180W	40'	0°	240	5' FFOC	STANDARD	CITY OF LAKELAND	715-61-311
D15	D-1	3354+33 C CONST. SR 33	49.5' LT	8'	DOUBLE	2	1-241W, 1-180W	40'	0°	240	15' FFOC	STANDARD	CITY OF LAKELAND	715-61-311
D16	D-2	3352+49 C CONST. SR 33	59.0' RT	8'	DOUBLE	2	180W	40'	0°	240	4' FBEOS	STANDARD	CITY OF LAKELAND	715-61-311
D17	D-1	3356+55 C CONST. SR 33	49.5' LT	8'	DOUBLE	2	1-241W, 1-180W	40'	0°	240	15' FFOC	STANDARD	CITY OF LAKELAND	715-61-311
D18	D-2	3354+37 C CONST. SR 33	39.5' RT	8'	DOUBLE	2	180W	40'	0°	240	5' FFOC	STANDARD	CITY OF LAKELAND	715-61-311
D19	D-1	3358+76 C CONST. SR 33	66.0' LT	8'	DOUBLE	2	1-241W, 1-180W	40'	0°	240	15' FFOC	STANDARD	CITY OF LAKELAND	715-61-311
D20	D-2	3356+55 C CONST. SR 33	39.5' RT	8'	DOUBLE	2	180W	40'	0°	240	5' FFOC	STANDARD	CITY OF LAKELAND	715-61-311
D21	D-3	3359+96 C CONST. SR 33	102.4' LT	8'	SINGLE	1	350W	40'	0°	240	1' FBEOS	STANDARD	CITY OF LAKELAND	715-61-311
D22	D-2	3358+87 C CONST. SR 33	18.5' RT	8'	SINGLE	2	180W	40'	0°	240	5' FFOC	STANDARD	CITY OF LAKELAND	715-61-311
D23	D-3	3360+65 C CONST. SR 33	120.9' LT	8'	SINGLE	1	350W	40'	0°	240	15.5' FFOC	STANDARD	CITY OF LAKELAND	715-61-311
D24	D-4	56+39 C CONST. COMBEE RD	60.2' LT	8'	SINGLE	1	350W	40'	0°	240	7' FBEOS	STANDARD	CITY OF LAKELAND	715-61-311
D25	D-3	60+05 C CONST. COMBEE RD	61.2' LT	8'	SINGLE	1	180W	40'	0°	240	28.5' FFOC	SPECIAL	CITY OF LAKELAND	715-62-311
D26	D-4	50+17 C CONST. COMBEE RD	29.6' RT	8'	SINGLE	1	180W	40'	0°	240	20' FEOTL	STANDARD	CITY OF LAKELAND	715-61-311
D27	D-3	61+76 C CONST. COMBEE RD	54.6' LT	8'	SINGLE	1	180W	40'	0°	240	6.5' FBEOS	SPECIAL	CITY OF LAKELAND	715-62-311
D28	D-4	51+50 C CONST. COMBEE RD	31.5' RT	8'	SINGLE	1	180W	40'	0°	240	20' FEOTL	SPECIAL	CITY OF LAKELAND	715-62-311
D29	D-3	59+91 C CONST. COMBEE RD	41.9' RT	8'	SINGLE	1	180W	40'	0°	240	17.5' FFOC	STANDARD	CITY OF LAKELAND	715-61-311
D30	D-4	52+98 C CONST. COMBEE RD	50.6' RT	8'	SINGLE	1	180W	40'	0°	240	4' FBEOS	SPECIAL	CITY OF LAKELAND	715-62-311
D31	D-3	3362+18 C CONST. SR 33	97.2' LT	8'	SINGLE	1	350W	40'	0°	240	4' FBEOS	STANDARD	CITY OF LAKELAND	715-61-311
D32	D-4	54+29 C CONST. COMBEE RD	52.9' RT	8'	SINGLE	1	350W	40'	0°	240	4' FBEOS	SPECIAL	CITY OF LAKELAND	715-62-311
D33	D-3	3362+49 C CONST. SR 33	40.3' LT	8'	SINGLE	1	180W	40'	0°	240	15' FFOC	STANDARD	CITY OF LAKELAND	715-61-311
D34	D-4	55+90 C CONST. COMBEE RD	67.8' RT	8'	SINGLE	1	350W	40'	0°	240	4' FBEOS	STANDARD	CITY OF LAKELAND	715-61-311

FBEOS - FROM BACK EDGE OF SIDEWALK FEOTL - FROM EDGE OF TRAVEL LANE
 FEOS - FROM FRONT EDGE OF SIDEWALK FFOC - FROM FRONT FACE OF CURB

REVISIONS				ENGINEER OF RECORD		STATE OF FLORIDA DEPARTMENT OF TRANSPORTATION			LIGHTING DATA TABLE AND LEGEND	SHEET NO. L-6
DATE	DESCRIPTION	DATE	DESCRIPTION	JAMIE P. HEUER, P.E. LICENSE NUMBER 67493 H.W. LOCHNER 4300 W. CYPRESS STREET, SUITE 500 TAMPA, FLORIDA 33607		ROAD NO.	COUNTY	FINANCIAL PROJECT ID		
						SR 33	POLK	430185-4-52-01		

LIGHTING DATA

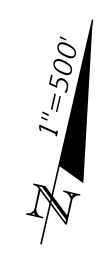
POLE NO.	CIRCUIT	STATION	OFFSET	ARM LENGTH	ARM CONFIGURATION	NUMBER OF LUMINAIRES	INPUT WATTAGE LUMINAIRES	MOUNTING HEIGHT	TILT ANGLE	INPUT VOLTAGE	LOCATION	FOUNDATION	MAINTAINING AGENCY	PAY ITEM
D35	D-3	3363+93 C CONST. SR 33	44.6' LT	8'	DOUBLE	2	1-241, 1-180	40'	0°	240	12' FFOC	SPECIAL	CITY OF LAKELAND	715-62-311
D36	D-4	3361+79 C CONST. SR 33	131.3' RT	16'	SINGLE	1	1-241W	40'	0°	240	4' FBEOS	STANDARD	CITY OF LAKELAND	715-65-366
D37	D-3	3366+07 C CONST. SR 33	46.5' LT	15', 8'	DOUBLE	2	1-241, 1-180	40'	0°	240	12' FFOC	STANDARD	CITY OF LAKELAND	715-61-311
D38	D-4	3363+24 C CONST. SR 33	84.0' RT	16'	SINGLE	1	1-241W	40'	0°	240	4' FBEOS	SPECIAL	CITY OF LAKELAND	715-66-366
D39	D-3	3368+22 C CONST. SR 33	46.5' LT	15', 8'	DOUBLE	2	1-241, 1-180	40'	0°	240	12' FFOC	STANDARD	CITY OF LAKELAND	715-61-311
D40	D-4	3364+95 C CONST. SR 33	65.6' RT	16'	SINGLE	1	1-180W	40'	0°	240	4' FBEOS	SPECIAL	CITY OF LAKELAND	715-66-366
D41	D-3	3370+37 C CONST. SR 33	46.5' LT	15', 8'	DOUBLE	2	1-241, 1-180	40'	0°	240	12' FFOC	STANDARD	CITY OF LAKELAND	715-61-311
D42	D-4	3366+75 C CONST. SR 33	64.9' RT	16'	SINGLE	1	1-180W	40'	0°	240	4' FBEOS	SPECIAL	CITY OF LAKELAND	715-66-366
D43	D-3	3372+52 C CONST. SR 33	46.5' LT	15', 8'	DOUBLE	2	1-241, 1-180	40'	0°	240	12' FFOC	STANDARD	CITY OF LAKELAND	715-61-311
D44	D-4	3368+55 C CONST. SR 33	64.9' RT	16'	SINGLE	1	1-180W	40'	0°	240	4' FBEOS	SPECIAL	CITY OF LAKELAND	715-66-366
D45	D-3	3374+67 C CONST. SR 33	46.5' LT	15', 8'	DOUBLE	2	1-241, 1-180	40'	0°	240	12' FFOC	STANDARD	CITY OF LAKELAND	715-61-311
D46	D-4	3370+35 C CONST. SR 33	64.9' RT	16'	SINGLE	1	1-180W	40'	0°	240	4' FBEOS	SPECIAL	CITY OF LAKELAND	715-66-366
D47	D-3	3376+78 C CONST. SR 33	46.5' LT	15', 8'	DOUBLE	2	1-241, 1-180	40'	0°	240	12' FFOC	STANDARD	CITY OF LAKELAND	715-61-311
D48	D-4	3372+15 C CONST. SR 33	64.9' RT	16'	SINGLE	1	1-180	40'	0°	240	4' FBEOS	SPECIAL	CITY OF LAKELAND	715-66-366
D49	D-3	3378+97 C CONST. SR 33	46.5' LT	15', 8'	DOUBLE	2	1-241, 1-180	40'	0°	240	12' FFOC	STANDARD	CITY OF LAKELAND	715-61-311
D50	D-4	3374+17 C CONST. SR 33	38.5' RT	8'	DOUBLE	2	2-180W	40'	0°	240	4' FFOC	STANDARD	CITY OF LAKELAND	715-61-311
D51	D-3	3381+12 C CONST. SR 33	46.5' LT	15', 8'	DOUBLE	2	1-241, 1-180	40'	0°	240	12' FFOC	STANDARD	CITY OF LAKELAND	715-61-311
D52	D-4	3376+32 C CONST. SR 33	38.5' RT	8'	DOUBLE	2	2-180W	40'	0°	240	4' FFOC	STANDARD	CITY OF LAKELAND	715-61-311
D53	D-3	3383+27 C CONST. SR 33	69.4' LT	8'	DOUBLE	2	2-180W	40'	0°	240	2' FBEOS	STANDARD	CITY OF LAKELAND	715-61-311
D54	D-4	3378+47 C CONST. SR 33	38.5' RT	8'	DOUBLE	2	2-180W	40'	0°	240	4' FFOC	STANDARD	CITY OF LAKELAND	715-61-311
D55	D-3	3385+45 C CONST. SR 33	58.5' LT	15', 8'	DOUBLE	2	1-241, 1-180	40'	0°	240	12' FFOC	STANDARD	CITY OF LAKELAND	715-61-311
D56	D-4	3380+62 C CONST. SR 33	38.5' RT	8'	DOUBLE	2	2-180W	40'	0°	240	4' FFOC	STANDARD	CITY OF LAKELAND	715-61-311
D57	D-5	3387+65 C CONST. SR 33	58.5' LT	15', 8'	DOUBLE	2	1-241, 1-180	40'	0°	240	12' FFOC	STANDARD	CITY OF LAKELAND	715-61-311
D58	D-4	3382+77 C CONST. SR 33	38.5' RT	8'	DOUBLE	2	2-180W	40'	0°	240	4' FFOC	STANDARD	CITY OF LAKELAND	715-61-311
D59	D-3	3389+82 C CONST. SR 33	49.5' LT	15', 8'	DOUBLE	2	1-241, 1-180	40'	0°	240	15' FFOC	STANDARD	CITY OF LAKELAND	715-61-311
D60	D-4	3384+92 C CONST. SR 33	38.5' RT	8'	DOUBLE	2	2-180W	40'	0°	240	4' FFOC	STANDARD	CITY OF LAKELAND	715-61-311
D61	D-5	3392+02 C CONST. SR 33	49.5' LT	15', 8'	DOUBLE	2	1-241, 1-180	40'	0°	240	15' FFOC	STANDARD	CITY OF LAKELAND	715-61-311
D62	D-4	3387+07 C CONST. SR 33	38.5' RT	8'	DOUBLE	2	2-180W	40'	0°	240	4' FFOC	STANDARD	CITY OF LAKELAND	715-61-311
D63	D-5	3394+22 C CONST. SR 33	49.5' LT	15', 8'	DOUBLE	2	1-241, 1-180	40'	0°	240	15' FFOC	STANDARD	CITY OF LAKELAND	715-61-311
D64	D-6	3389+23 C CONST. SR 33	38.5' RT	8'	DOUBLE	2	2-180W	40'	0°	240	4' FFOC	STANDARD	CITY OF LAKELAND	715-61-311
D65	D-5	3396+42 C CONST. SR 33	49.5' LT	15', 8'	DOUBLE	2	1-241, 1-180	40'	0°	240	15' FFOC	STANDARD	CITY OF LAKELAND	715-61-311
D66	D-6	3391+43 C CONST. SR 33	38.5' RT	8'	DOUBLE	2	2-180W	40'	0°	240	4' FFOC	STANDARD	CITY OF LAKELAND	715-61-311
D67	D-5	3398+62 C CONST. SR 33	49.5' LT	15', 8'	DOUBLE	2	1-241, 1-180	40'	0°	240	15' FFOC	STANDARD	CITY OF LAKELAND	715-61-311
D68	D-6	3393+24 C CONST. SR 33	54.0' RT	8'	SINGLE	1	1-180W	40'	0°	240	4' FBEOS	SPECIAL	CITY OF LAKELAND	715-62-311
D69	- - -	NOT USED	- - -	- - -	- - -	- - -	- - -	- - -	- - -	- - -	- - -	- - -	- - -	- - -
D70	D-6	3395+04 C CONST. SR 33	54.0' RT	8'	SINGLE	1	1-180W	40'	0°	240	4' FBEOS	SPECIAL	CITY OF LAKELAND	715-62-311
D71	- - -	NOT USED	- - -	- - -	- - -	- - -	- - -	- - -	- - -	- - -	- - -	- - -	- - -	- - -
D72	D-6	3396+84 C CONST. SR 33	54.0' RT	8'	SINGLE	1	1-180W	40'	0°	240	4' FBEOS	SPECIAL	CITY OF LAKELAND	715-62-311
D73	- - -	NOT USED	- - -	- - -	- - -	- - -	- - -	- - -	- - -	- - -	- - -	- - -	- - -	- - -
D74	D-6	3398+64 C CONST. SR 33	54.0' RT	8'	SINGLE	1	1-180W	40'	0°	240	4' FBEOS	SPECIAL	CITY OF LAKELAND	715-62-311

FBEOS - FROM BACK EDGE OF SIDEWALK FEOTL - FROM EDGE OF TRAVEL LANE
 FEOS - FROM FRONT EDGE OF SIDEWALK FFOC - FROM FRONT FACE OF CURB

REVISIONS				ENGINEER OF RECORD			STATE OF FLORIDA DEPARTMENT OF TRANSPORTATION			LIGHTING DATA TABLE AND LEGEND	SHEET NO. L-7
DATE	DESCRIPTION	DATE	DESCRIPTION	JAMIE HEUER, P.E. LICENSE NUMBER 67493 H. W. LOCHNER 4300 W. CYPRESS STREET, SUITE 500 TAMPA, FLORIDA 33607			ROAD NO.	COUNTY	FINANCIAL PROJECT ID		
				SR 33	POLK	430185-4-52-01					

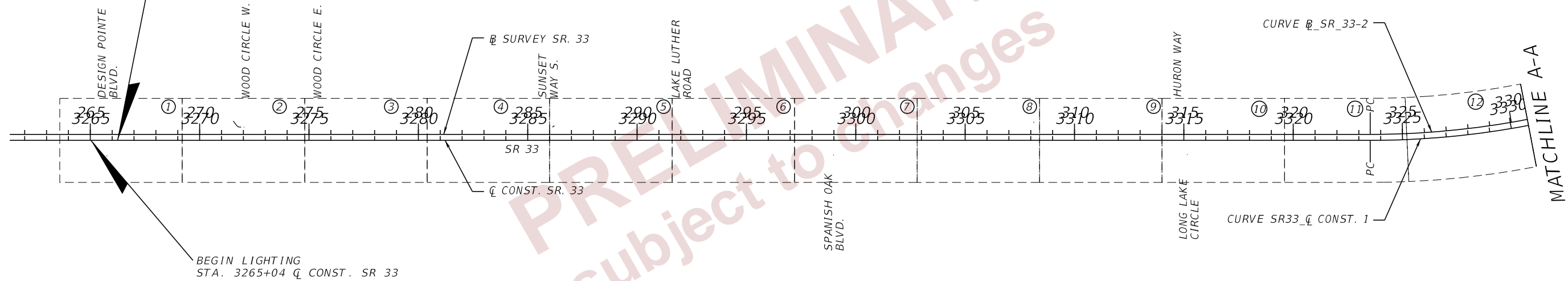
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THE OFFICIAL RECORD OF THIS SHEET IS THE ELECTRONIC FILE DIGITALLY SIGNED AND SEALED UNDER RULE 61G15-23.004, F.A.C.



BEGIN PROJECT

STA. 3266+24.65 \bar{C} CONST. SR 33=
 STA. 266+24.65 27.75' (RT) \bar{C} SURVEY SR 33



PRELIMINARY
 subject to changes

(XX) LIGHTING PLANS

2/29/2024 11:43:21 AM BMILLER
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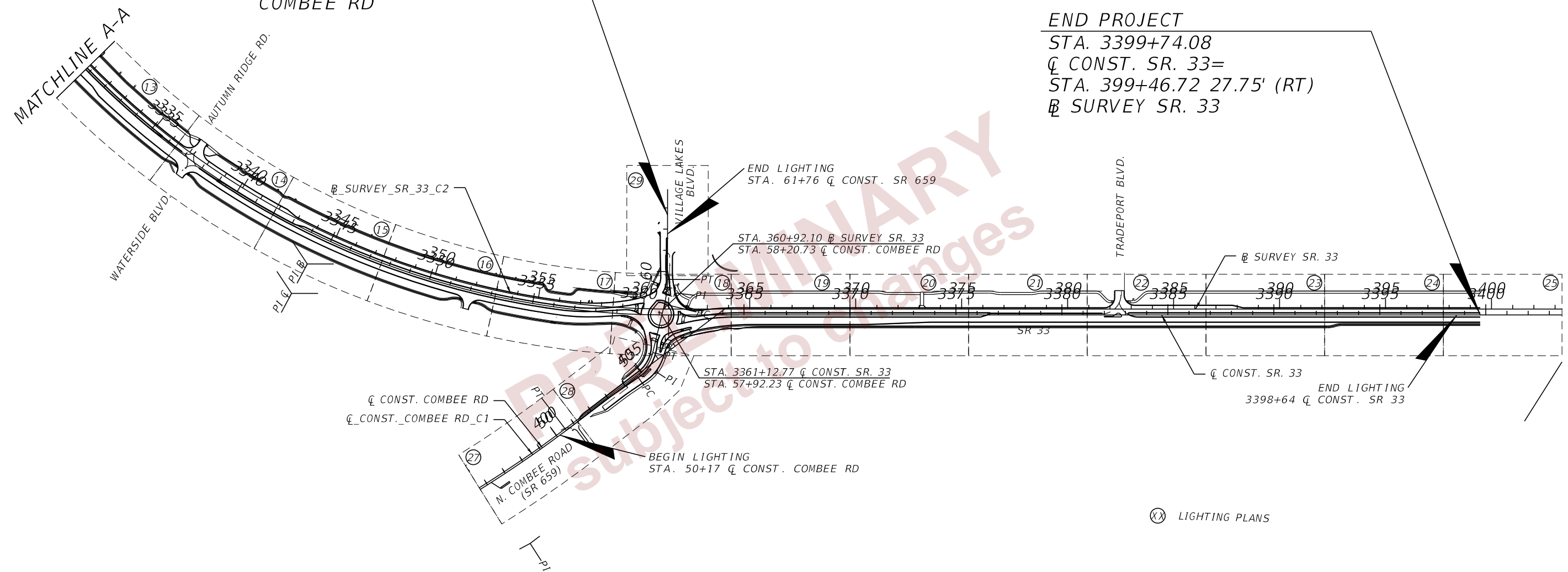
THE OFFICIAL RECORD OF THIS SHEET IS THE ELECTRONIC FILE DIGITALLY SIGNED AND SEALED UNDER RULE 61G15-23.004, F.A.C.

REVISIONS				ENGINEER OF RECORD		STATE OF FLORIDA DEPARTMENT OF TRANSPORTATION			PROJECT LAYOUT (01)	SHEET NO.
DATE	DESCRIPTION	DATE	DESCRIPTION	JAMIE P. HEUER, P.E. LICENSE NUMBER 67493 H.W. LOCHNER 4300 W. CYPRESS STREET, SUITE 500 TAMPA, FLORIDA 33607		ROAD NO.	COUNTY	FINANCIAL PROJECT ID		L-8
								SR 33	POLK	430185-4-52-01

1"=500'

END PROJECT
 END MILLING & RESURFACING
 STA. 62+66.65 \bar{C} CONST.
 COMBEE RD

END PROJECT
 STA. 3399+74.08
 \bar{C} CONST. SR. 33=
 STA. 399+46.72 27.75' (RT)
 \bar{B} SURVEY SR. 33



2/29/2024 11:43:22 AM BMILLER c:\pw_working\lochner-pw-01\dms18867\PLA\RD01.dgn

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		STATE OF FLORIDA DEPARTMENT OF TRANSPORTATION			PROJECT LAYOUT (02)	SHEET NO.
DATE	DESCRIPTION	DATE	DESCRIPTION	JAMIE P. HEUER, P.E. LICENSE NUMBER 67493 H.W. LOCHNER 4300 W. CYPRESS STREET, SUITE 500 TAMPA, FLORIDA 33607		ROAD NO.	COUNTY	FINANCIAL PROJECT ID		L-9
						SR 33	POLK	430185-4-52-01		

30) CKT. B-1 - 2#6
CKT. B-2 - 2#6
1#6 GRD.

33) CKT. B-3 - 2#6
1#6 GRD.

31) CKT. B-1 - 2#6
1#6 GRD.

34) CKT. B-4 - 2#6
1#6 GRD.

32) CKT. B-2 - 2#6
1#6 GRD.

POLE B39, CKT. B-2
STA. 3265+39
Q CONST. SR 33, 104.4' LT

630-2-11 (1 RUN @ 57')

EXISTING POLE 25, CKT. B-2
STA. 3265+04
Q CONST. SR 33

DEESON POINTE BLVD.

(A) EXISTING POLE AND LUMINAIRE TO REMAIN

(R) EXISTING POLE AND LUMINAIRE TO BE REMOVED

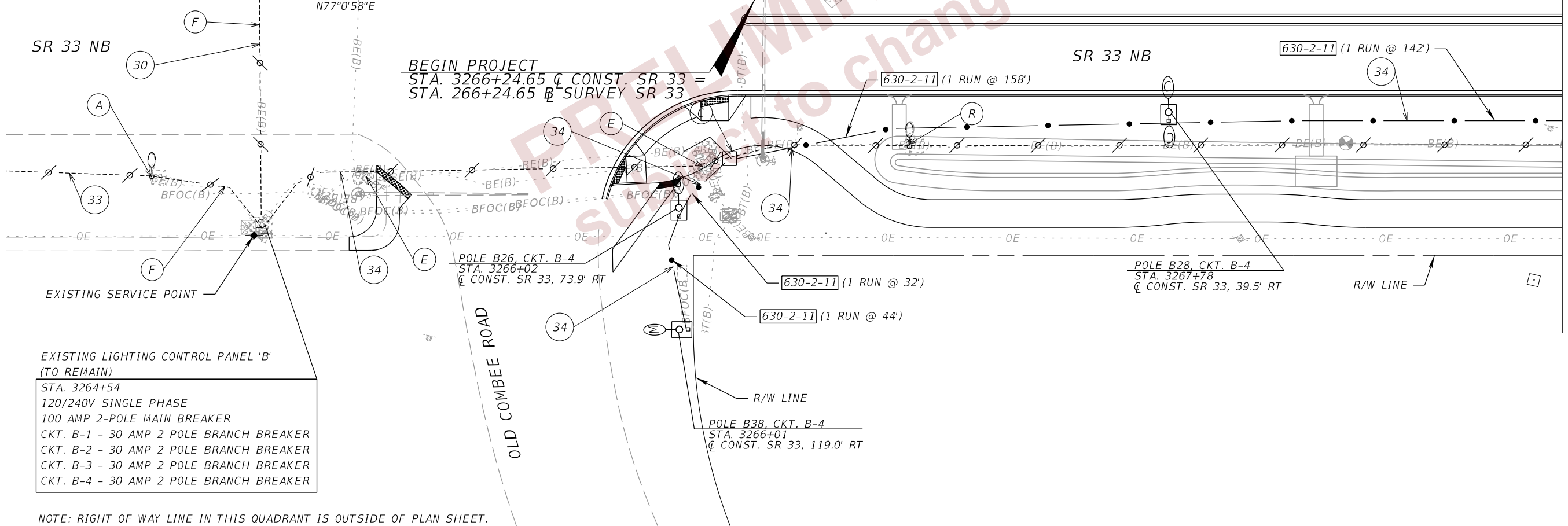
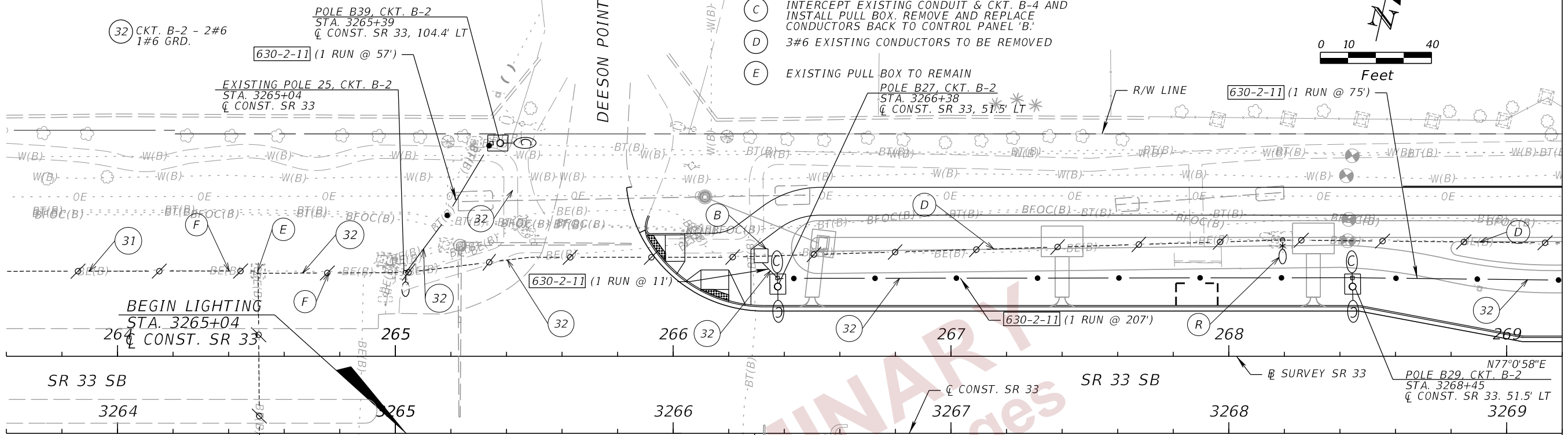
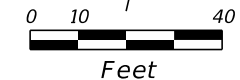
(B) INTERCEPT EXISTING CONDUIT & CKT. B-2 AND
INSTALL PULL BOX. REMOVE AND REPLACE
CONDUCTORS BACK TO EXISTING POLE 25 AT STA. 3265+04.

(C) INTERCEPT EXISTING CONDUIT & CKT. B-4 AND
INSTALL PULL BOX. REMOVE AND REPLACE
CONDUCTORS BACK TO CONTROL PANEL 'B.'

(D) 3#6 EXISTING CONDUCTORS TO BE REMOVED

(E) EXISTING PULL BOX TO REMAIN

(F) EXISTING CONDUIT AND CONDUCTORS
TO REMAIN



EXISTING LIGHTING CONTROL PANEL 'B'
(TO REMAIN)
STA. 3264+54
120/240V SINGLE PHASE
100 AMP 2-POLE MAIN BREAKER
CKT. B-1 - 30 AMP 2 POLE BRANCH BREAKER
CKT. B-2 - 30 AMP 2 POLE BRANCH BREAKER
CKT. B-3 - 30 AMP 2 POLE BRANCH BREAKER
CKT. B-4 - 30 AMP 2 POLE BRANCH BREAKER

NOTE: RIGHT OF WAY LINE IN THIS QUADRANT IS OUTSIDE OF PLAN SHEET.

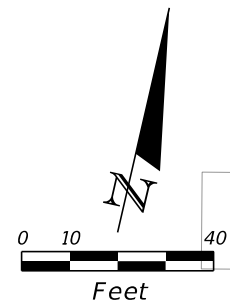
MATCHLINE STA. 3269+20.00

2/29/2024 11:43:50 AM BMILLER c:\pwworking\lochner-pw-01\dms18867\PLAN\RD01.dgn

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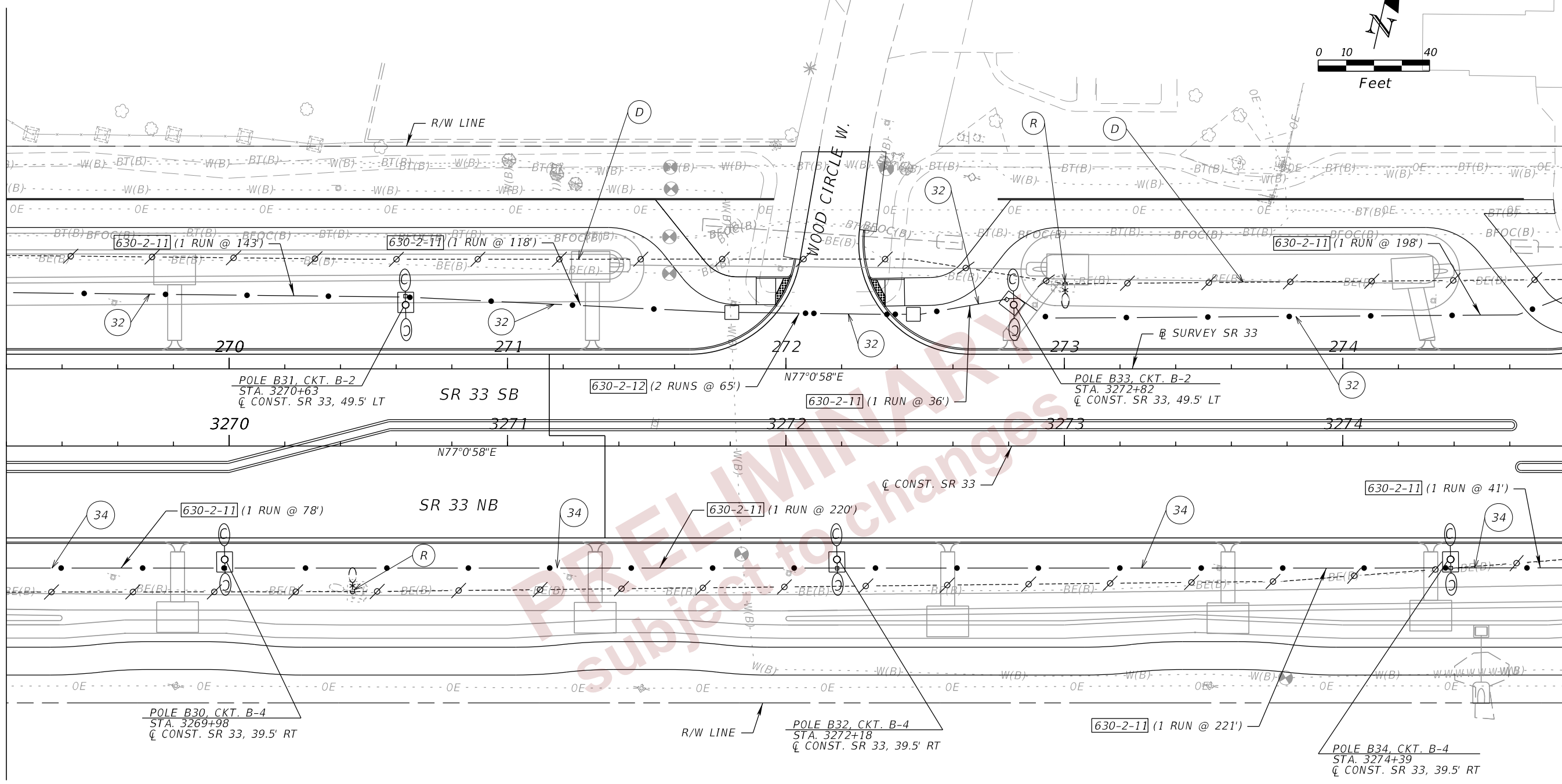
REVISIONS		REVISIONS		ENGINEER OF RECORD		STATE OF FLORIDA DEPARTMENT OF TRANSPORTATION			SHEET NO.
DATE	DESCRIPTION	DATE	DESCRIPTION			ROAD NO.	COUNTY	FINANCIAL PROJECT ID	
				JAMIE P. HEUER, P.E. LICENSE NUMBER 67493 H. W. LOCHNER 4300 W. CYPRESS STREET, SUITE 500 TAMPA, FLORIDA 33607		SR 33	POLK	430185-4-52-01	L-10

LIGHTING PLANS (01)



MATCHLINE STA. 3269+20.00

MATCHLINE STA. 3274+80.00

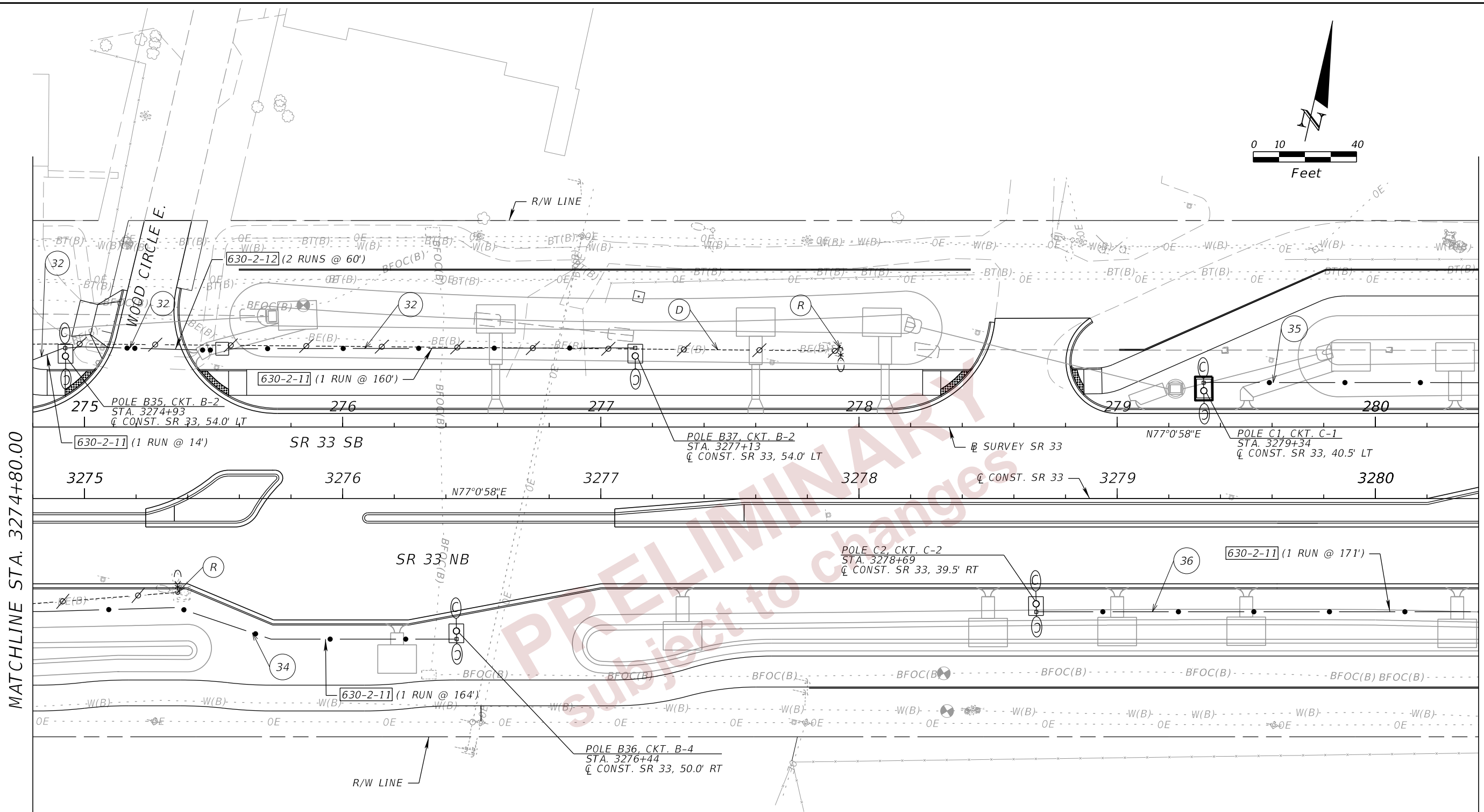
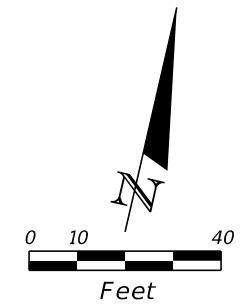


- (R) EXISTING POLE AND LUMINAIRE TO BE REMOVED
- (D) 3#6 EXISTING CONDUCTORS TO BE REMOVED
- (32) CKT. B-2 - 2#6 1#6 GRD.
- (34) CKT. B-4 - 2#6 1#6 GRD.

2/29/2024 11:43:51 AM BMILLER c:\pw_working\lociner-pw-01.dms\18867\PLAN\RD01.dgn

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REVISIONS				ENGINEER OF RECORD		STATE OF FLORIDA DEPARTMENT OF TRANSPORTATION			LIGHTING PLANS (02)	SHEET NO.
DATE	DESCRIPTION	DATE	DESCRIPTION	JAMIE P. HEUER, P.E. LICENSE NUMBER 67493 H. W. LOCHNER 4300 W. CYPRESS STREET, SUITE 500 TAMPA, FLORIDA 33607		ROAD NO.	COUNTY	FINANCIAL PROJECT ID		L-11
								SR 33		



MATCHLINE STA. 3274+80.00

MATCHLINE STA. 3280+40.00

NOTES:

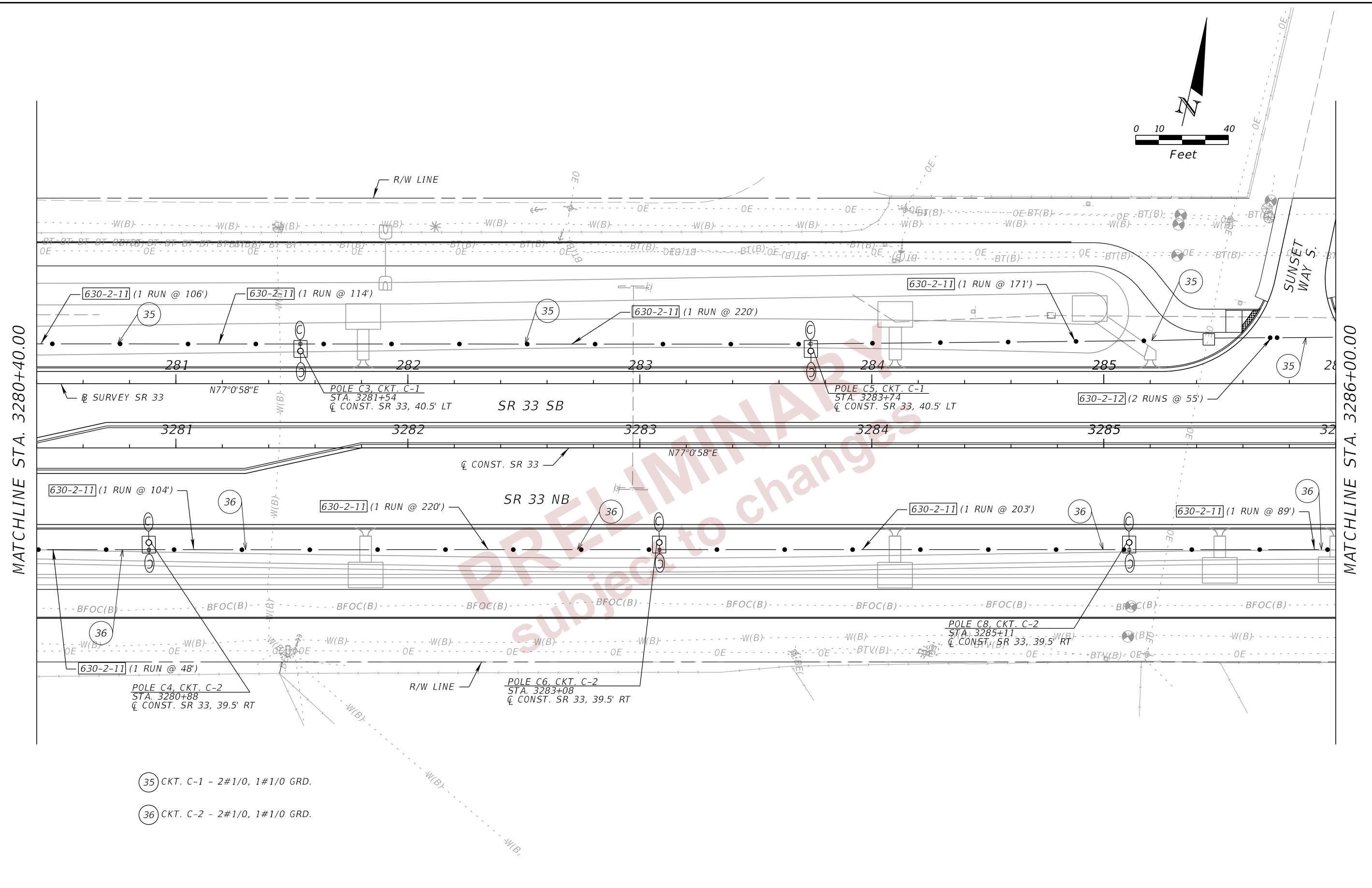
- (R) EXISTING POLE AND LUMINAIRE TO BE REMOVED
- (D) 3#6 EXISTING CONDUCTORS TO BE REMOVED
- (32) CKT. B-2 - 2#6 1#6 GRD.
- (34) CKT. B-4 - 2#6 1#6 GRD.
- (35) CKT. C-1 - 2#1/0, 1#1/0 GRD.
- (36) CKT. C-2 - 2#1/0, 1#1/0 GRD.

2/29/2024 11:43:51 AM BMILLER c:\pw_working\lociner-pw-01\dms18867\PLANRD01.dgn

REVISIONS				ENGINEER OF RECORD		STATE OF FLORIDA DEPARTMENT OF TRANSPORTATION			SHEET NO.
DATE	DESCRIPTION	DATE	DESCRIPTION	JAMIE P. HEUER, P.E. LICENSE NUMBER 67493 H. W. LOCHNER 4300 W. CYPRESS STREET, SUITE 500 TAMPA, FLORIDA 33607		ROAD NO.	COUNTY	FINANCIAL PROJECT ID	
						SR 33	POLK	430185-4-52-01	LIGHTING PLANS (03) L-12

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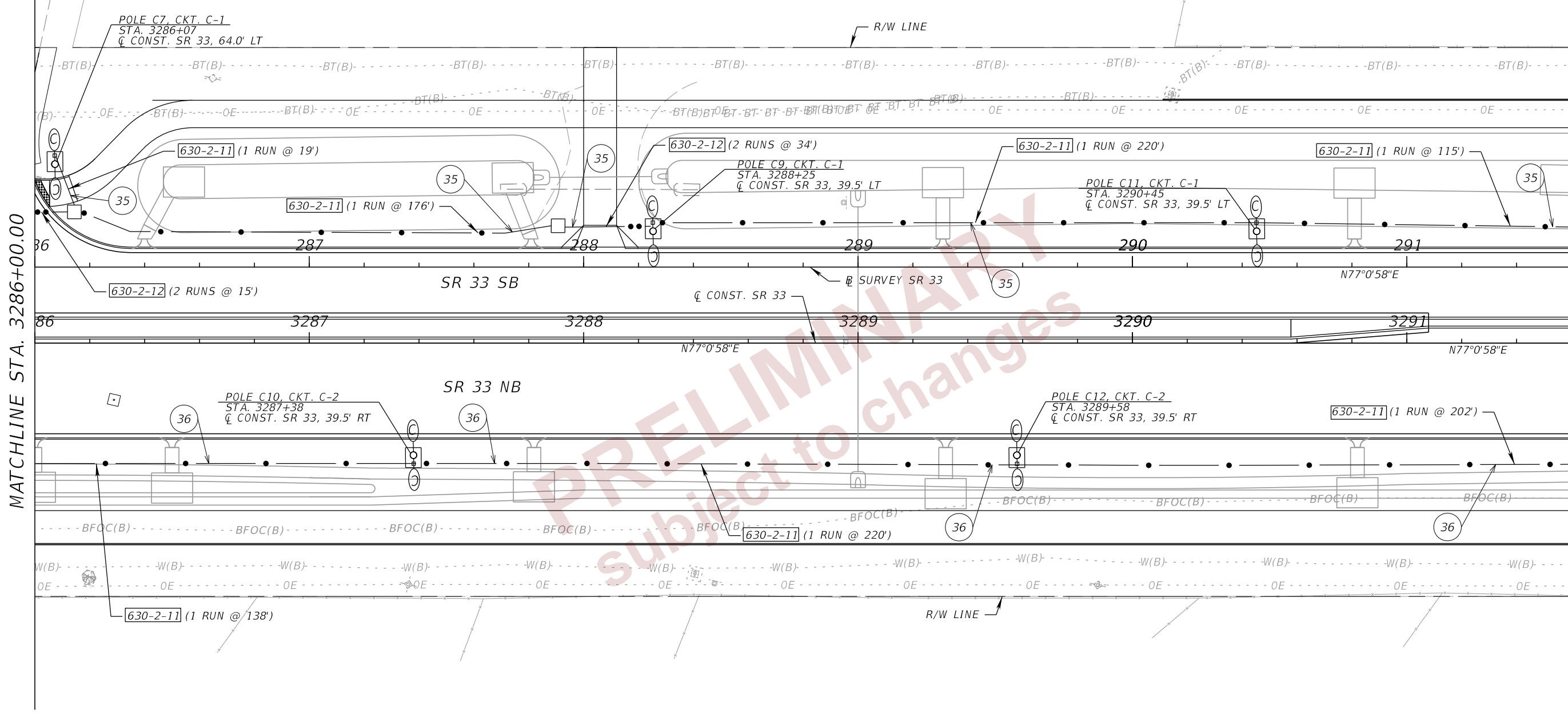
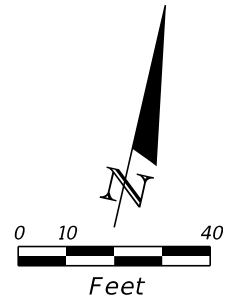
2/29/2024 11:43:52 AM BMILLER
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- 35 CKT. C-1 - 2#1/0, 1#1/0 GRD.
- 36 CKT. C-2 - 2#1/0, 1#1/0 GRD.

REVISIONS				ENGINEER OF RECORD		STATE OF FLORIDA DEPARTMENT OF TRANSPORTATION			SHEET NO.
DATE	DESCRIPTION	DATE	DESCRIPTION	JAMIE P. HEUER, P.E. LICENSE NUMBER 67493 H. W. LOCHNER 4300 W. CYPRESS STREET, SUITE 500 TAMPA, FLORIDA 33607		ROAD NO.	COUNTY	FINANCIAL PROJECT ID	
								SR 33	
LIGHTING PLANS (04)									L-13

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



- 35 CKT. C-1 - 2#1/0, 1#1/0 GRD.
- 36 CKT. C-2 - 2#1/0, 1#1/0 GRD.

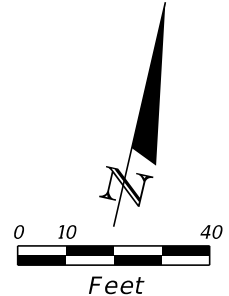
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REVISIONS				ENGINEER OF RECORD		STATE OF FLORIDA DEPARTMENT OF TRANSPORTATION			SHEET NO.
DATE	DESCRIPTION	DATE	DESCRIPTION	JAMIE P. HEUER, P.E. LICENSE NUMBER 67493 H. W. LOCHNER 4300 W. CYPRESS STREET, SUITE 500 TAMPA, FLORIDA 33607		ROAD NO.	COUNTY	FINANCIAL PROJECT ID	
						SR 33	POLK	430185-4-52-01	

LIGHTING PLANS (05)

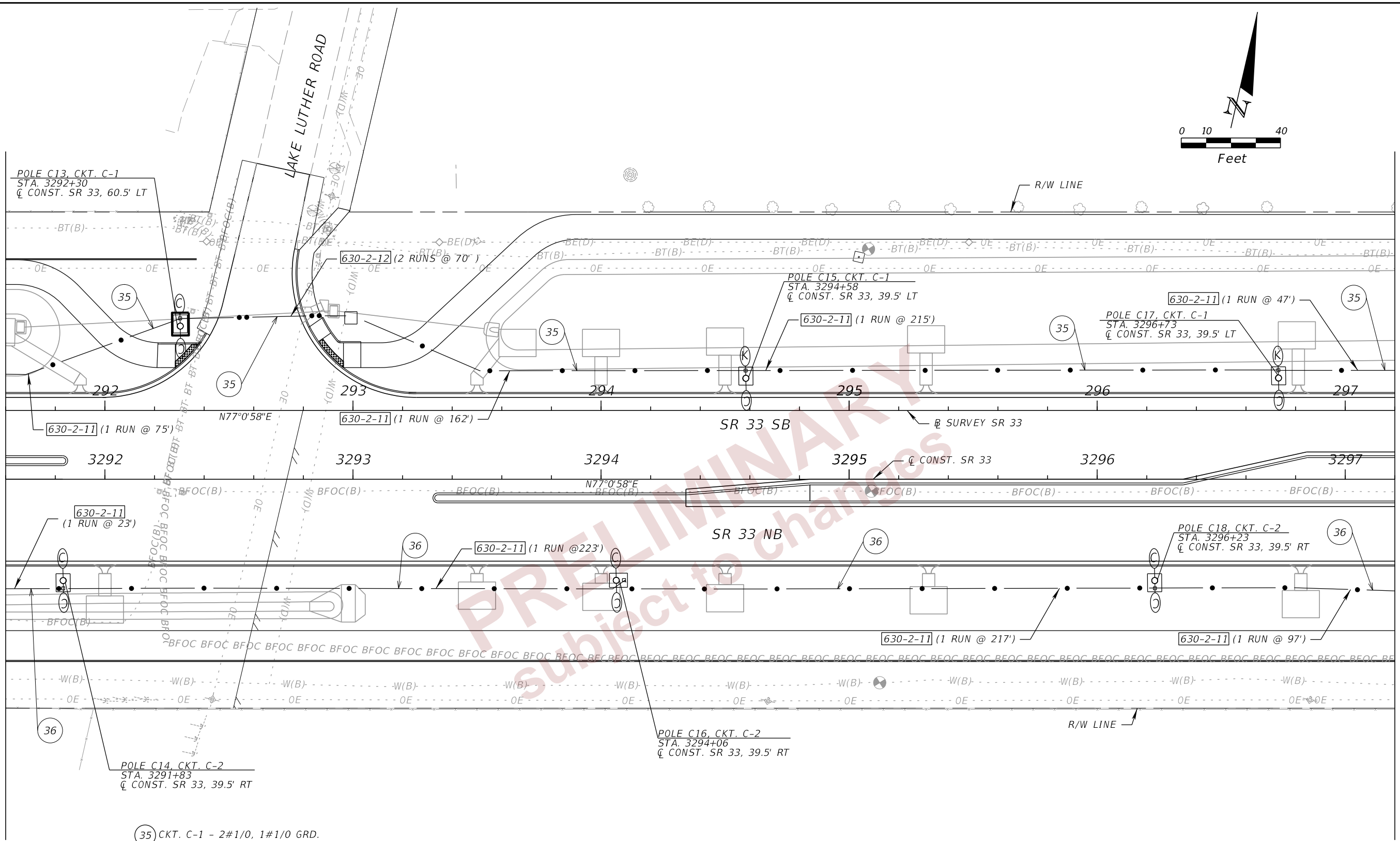
L-14

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MATCHLINE STA. 3291+60.00

MATCHLINE STA. 3297+20.00



- (35) CKT. C-1 - 2#1/0, 1#1/0 GRD.
- (36) CKT. C-2 - 2#1/0, 1#1/0 GRD.

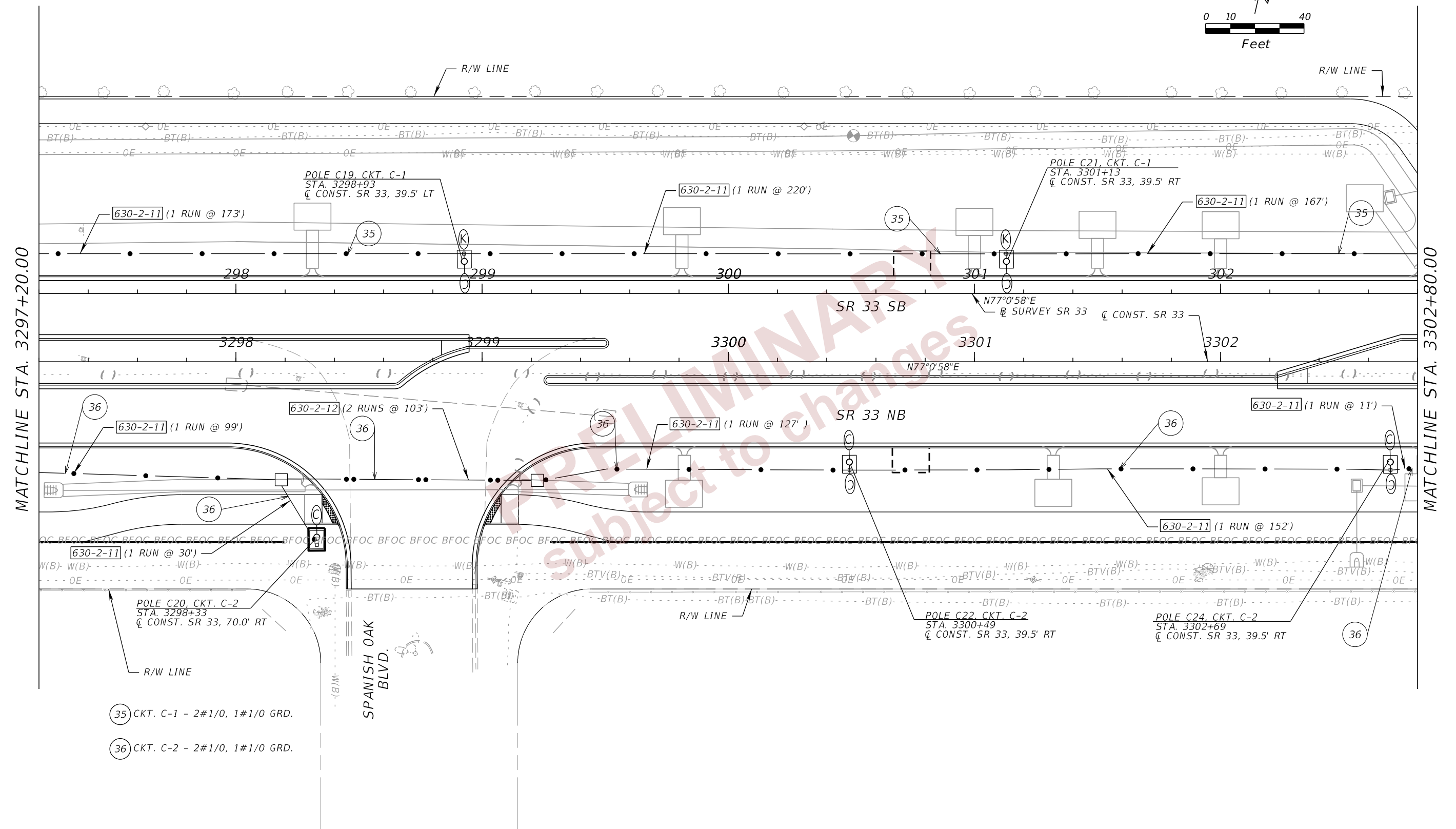
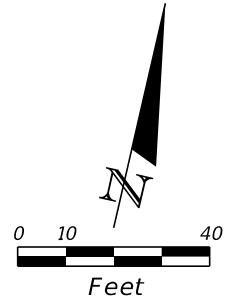
2/29/2024 11:43:53 AM BMILLER c:\pw_working\lochner-pw-01.dms\18867\PLAN\RD01.dgn

REVISIONS				ENGINEER OF RECORD		STATE OF FLORIDA DEPARTMENT OF TRANSPORTATION			SHEET NO.
DATE	DESCRIPTION	DATE	DESCRIPTION	JAMIE P. HEUER, P.E. LICENSE NUMBER 67493 H. W. LOCHNER 4300 W. CYPRESS STREET, SUITE 500 TAMPA, FLORIDA 33607		ROAD NO.	COUNTY	FINANCIAL PROJECT ID	
						SR 33	POLK	430185-4-52-01	

LIGHTING PLANS (06)

L-15

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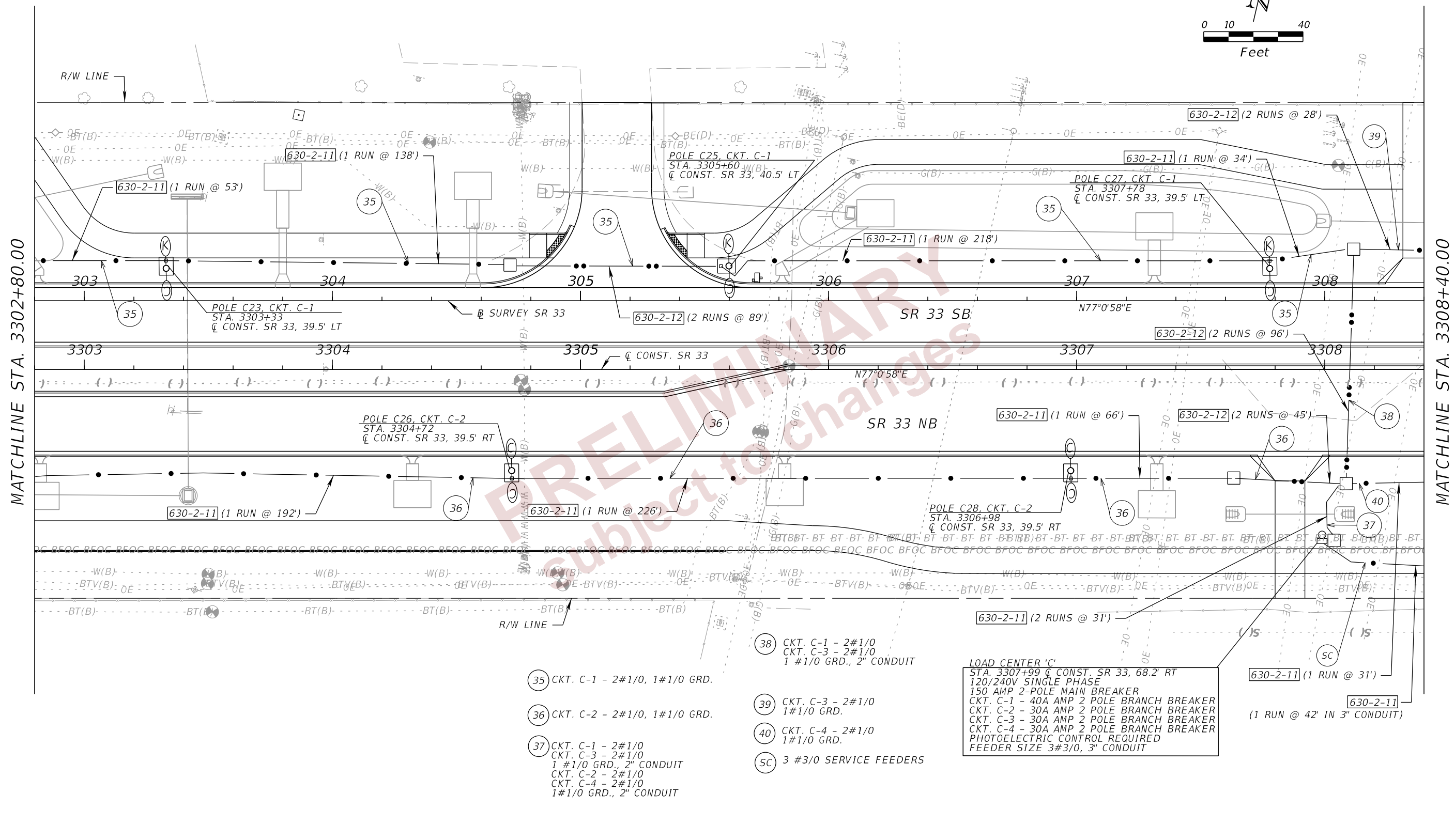
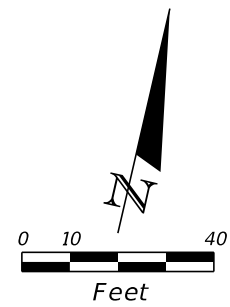


- 35 CKT. C-1 - 2#1/0, 1#1/0 GRD.
- 36 CKT. C-2 - 2#1/0, 1#1/0 GRD.

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REVISIONS				ENGINEER OF RECORD		STATE OF FLORIDA DEPARTMENT OF TRANSPORTATION			LIGHTING PLANS (07)	SHEET NO. L-16
DATE	DESCRIPTION	DATE	DESCRIPTION	JAMIE P. HEUER, P.E. LICENSE NUMBER 67493 H. W. LOCHNER 4300 W. CYPRESS STREET, SUITE 500 TAMPA, FLORIDA 33607		ROAD NO.	COUNTY	FINANCIAL PROJECT ID		
						SR 33	POLK	430185-4-52-01		



- (35) CKT. C-1 - 2#1/0, 1#1/0 GRD.
- (36) CKT. C-2 - 2#1/0, 1#1/0 GRD.
- (37) CKT. C-1 - 2#1/0
CKT. C-3 - 2#1/0
1 #1/0 GRD., 2" CONDUIT
CKT. C-2 - 2#1/0
CKT. C-4 - 2#1/0
1#1/0 GRD., 2" CONDUIT

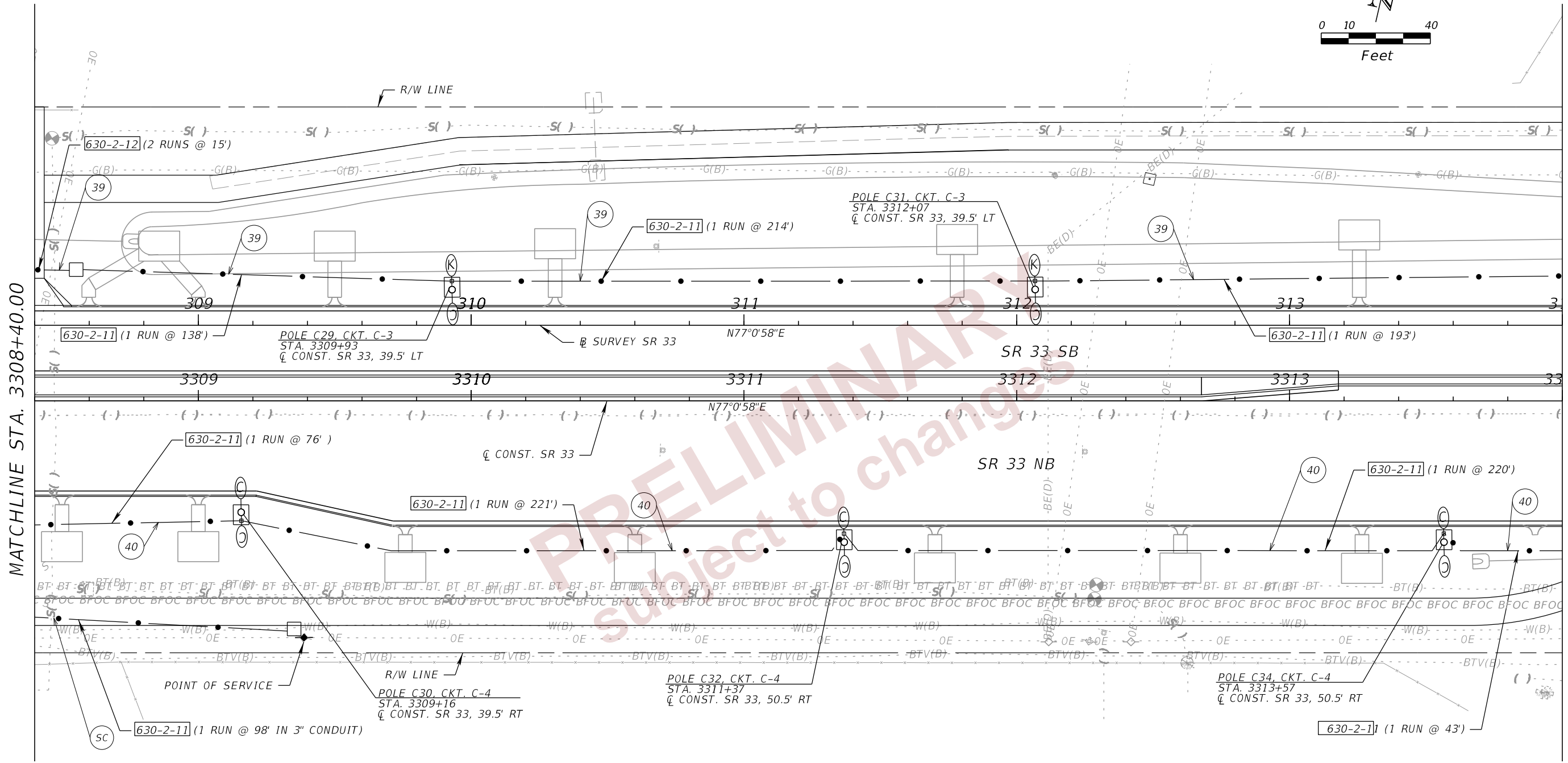
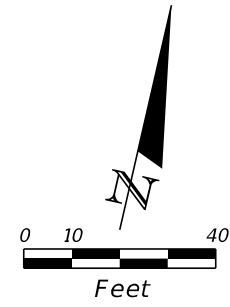
- (38) CKT. C-1 - 2#1/0
CKT. C-3 - 2#1/0
1 #1/0 GRD., 2" CONDUIT
- (39) CKT. C-3 - 2#1/0
1#1/0 GRD.
- (40) CKT. C-4 - 2#1/0
1#1/0 GRD.
- (SC) 3 #3/0 SERVICE FEEDERS

LOAD CENTER 'C'
 STA. 3307+99 \bar{C} CONST. SR 33, 68.2' RT
 120/240V SINGLE PHASE
 150 AMP 2-POLE MAIN BREAKER
 CKT. C-1 - 40A AMP 2 POLE BRANCH BREAKER
 CKT. C-2 - 30A AMP 2 POLE BRANCH BREAKER
 CKT. C-3 - 30A AMP 2 POLE BRANCH BREAKER
 CKT. C-4 - 30A AMP 2 POLE BRANCH BREAKER
 PHOTOELECTRIC CONTROL REQUIRED
 FEEDER SIZE 3#3/0, 3" CONDUIT

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REVISIONS				ENGINEER OF RECORD	STATE OF FLORIDA DEPARTMENT OF TRANSPORTATION			SHEET NO.
DATE	DESCRIPTION	DATE	DESCRIPTION		ROAD NO.	COUNTY	FINANCIAL PROJECT ID	
				JAMIE P. HEUER, P.E. LICENSE NUMBER 67493 H. W. LOCHNER 4300 W. CYPRESS STREET, SUITE 500 TAMPA, FLORIDA 33607	SR 33	POLK	430185-4-52-01	LIGHTING PLANS (08) L-17

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MATCHLINE STA. 3308+40.00

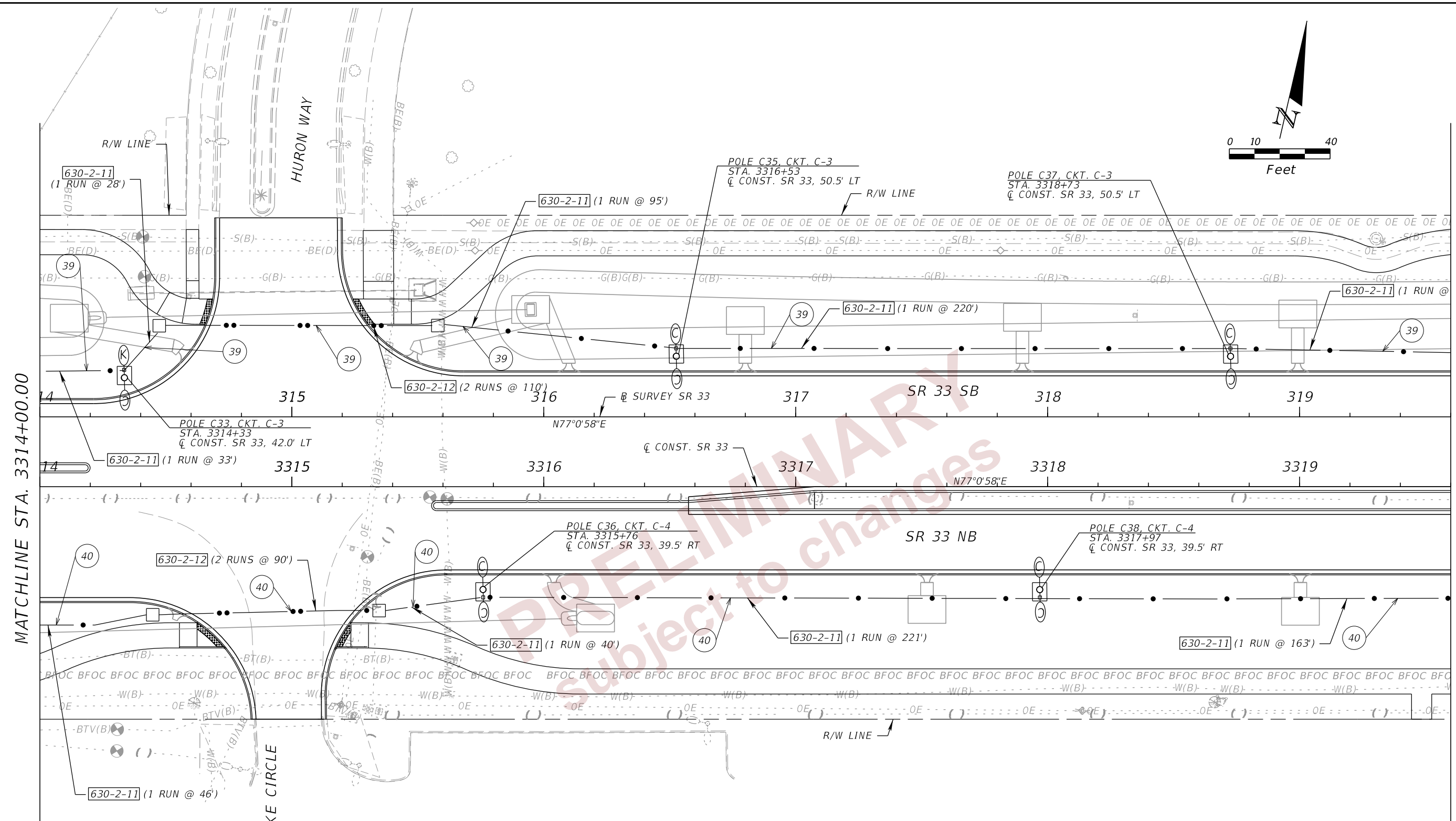
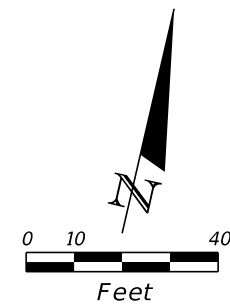
MATCHLINE STA. 3314+00.00

- 39 CKT. C-3 - 2#1/0
1#1/0 GRD.
- 40 CKT. C-4 - 2#1/0
1#1/0 GRD.
- SC 3 #3/0 SERVICE FEEDERS

2/29/2024 11:43:54 AM BMILLER c:\pw_working\lochner-pw-01\dms18867\PLANRD01.dgn

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REVISIONS				ENGINEER OF RECORD		STATE OF FLORIDA DEPARTMENT OF TRANSPORTATION			LIGHTING PLANS (09)	SHEET NO. L-18
DATE	DESCRIPTION	DATE	DESCRIPTION	JAMIE P. HEUER, P.E. LICENSE NUMBER 67493 H. W. LOCHNER 4300 W. CYPRESS STREET, SUITE 500 TAMPA, FLORIDA 33607		ROAD NO.	COUNTY	FINANCIAL PROJECT ID		
						SR 33	POLK	430185-4-52-01		



- 39 CKT. C-3 - 2#1/0
1#1/0 GRD.
- 40 CKT. C-4 - 2#1/0
1#1/0 GRD.

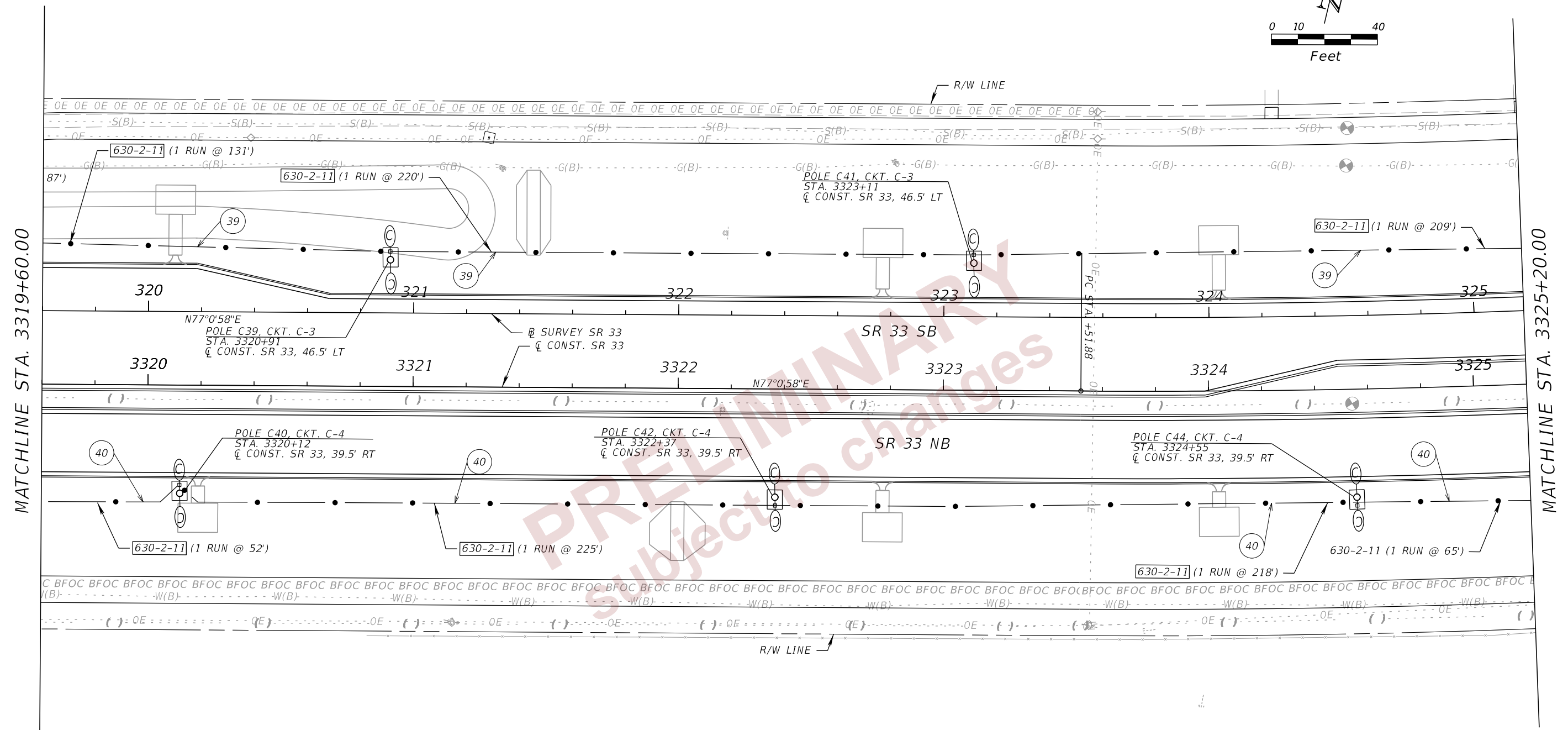
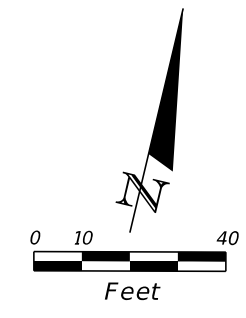
MATCHLINE STA. 3314+00.00

MATCHLINE STA. 3319+60.00

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REVISIONS				ENGINEER OF RECORD		STATE OF FLORIDA DEPARTMENT OF TRANSPORTATION			SHEET NO.
DATE	DESCRIPTION	DATE	DESCRIPTION	JAMIE P. HEUER, P.E. LICENSE NUMBER 67493 H. W. LOCHNER 4300 W. CYPRESS STREET, SUITE 500 TAMPA, FLORIDA 33607		ROAD NO.	COUNTY	FINANCIAL PROJECT ID	
						SR 33	POLK	430185-4-52-01	LIGHTING PLANS (10) L-19

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MATCHLINE STA. 3319+60.00

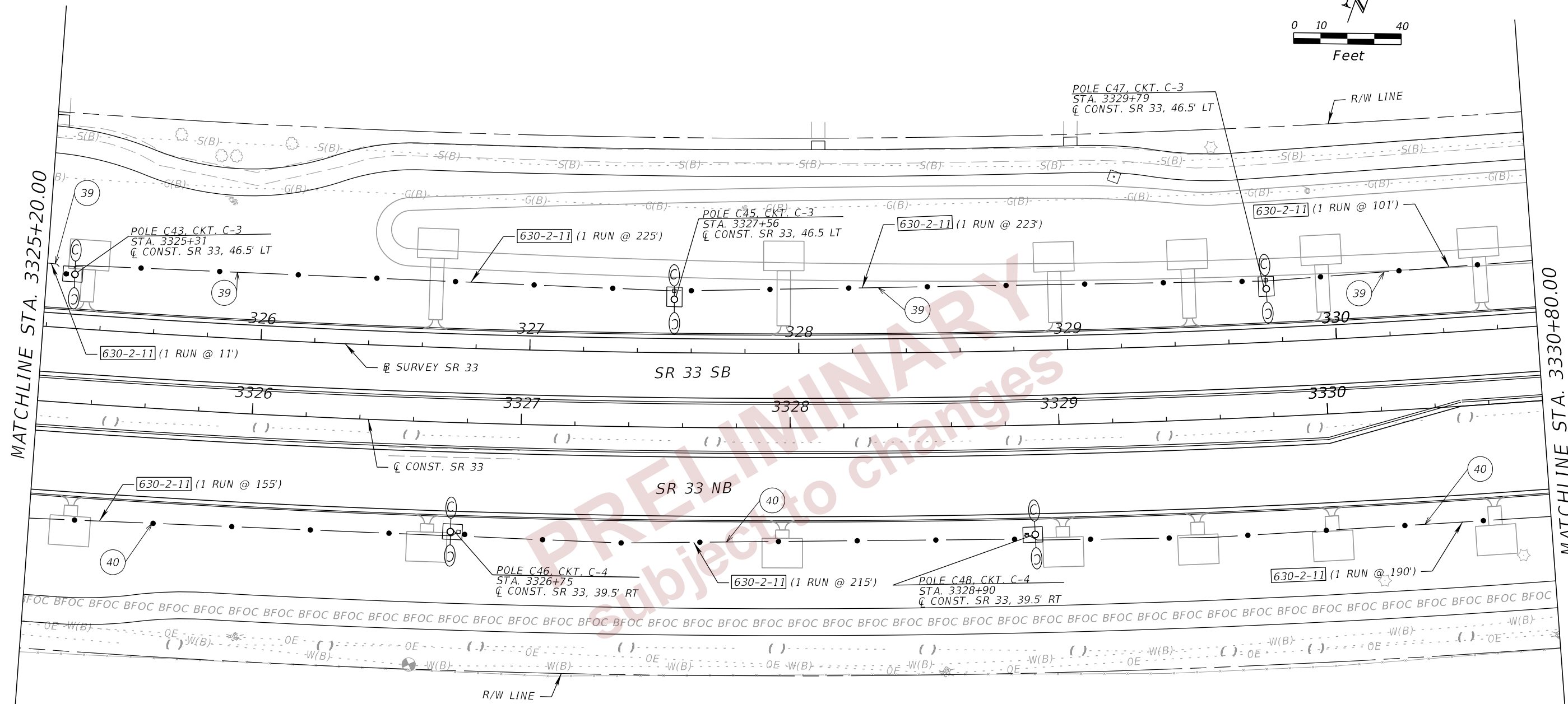
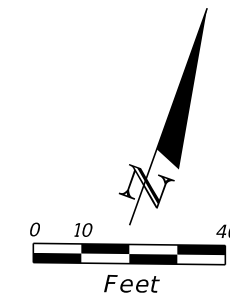
MATCHLINE STA. 3325+20.00

- 39 CKT. C-3 - 2#1/0
1#1/0 GRD.
- 40 CKT. C-4 - 2#1/0
1#1/0 GRD.

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REVISIONS		ENGINEER OF RECORD		STATE OF FLORIDA DEPARTMENT OF TRANSPORTATION			SHEET NO.
DATE	DESCRIPTION	DATE	DESCRIPTION	ROAD NO.	COUNTY	FINANCIAL PROJECT ID	
			JAMIE P. HEUER, P.E. LICENSE NUMBER 67493 H. W. LOCHNER 4300 W. CYPRESS STREET, SUITE 500 TAMPA, FLORIDA 33607	SR 33	POLK	430185-4-52-01	LIGHTING PLANS (11) L-20



- 39 CKT. C-3 - 2#1/0
1#1/0 GRD.
- 40 CKT. C-4 - 2#1/0
1#1/0 GRD.

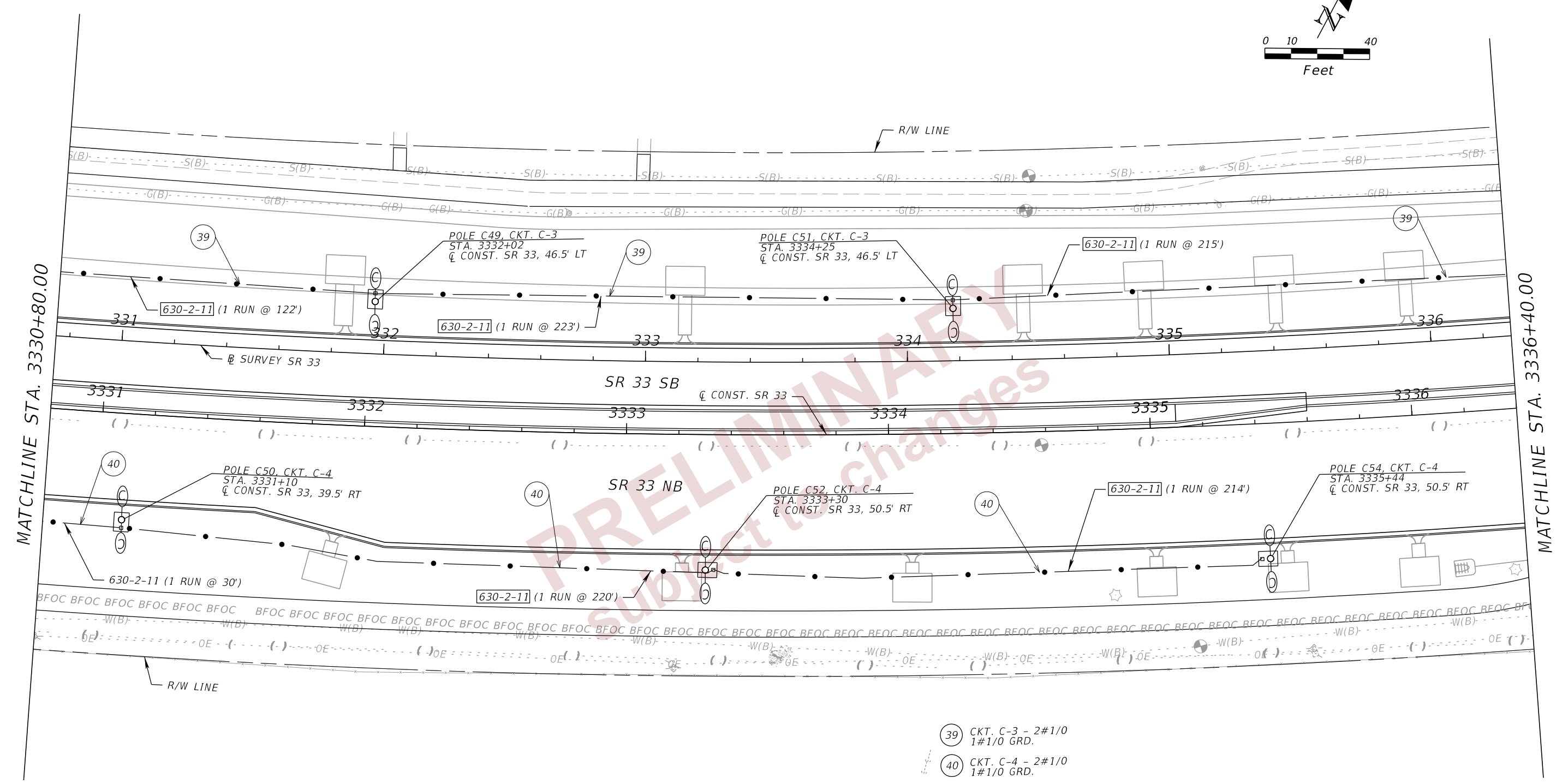
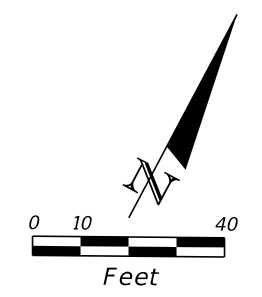
MATCHLINE STA. 3325+20.00

MATCHLINE STA. 3330+80.00

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REVISIONS				ENGINEER OF RECORD		STATE OF FLORIDA DEPARTMENT OF TRANSPORTATION			SHEET NO.
DATE	DESCRIPTION	DATE	DESCRIPTION	JAMIE P. HEUER, P.E. LICENSE NUMBER 67493 H. W. LOCHNER 4300 W. CYPRESS STREET, SUITE 500 TAMPA, FLORIDA 33607		ROAD NO.	COUNTY	FINANCIAL PROJECT ID	
						SR 33	POLK	430185-4-52-01	
LIGHTING PLANS (12)									L-21



- 39 CKT. C-3 - 2#1/0
1#1/0 GRD.
- 40 CKT. C-4 - 2#1/0
1#1/0 GRD.

MATCHLINE STA. 3330+80.00

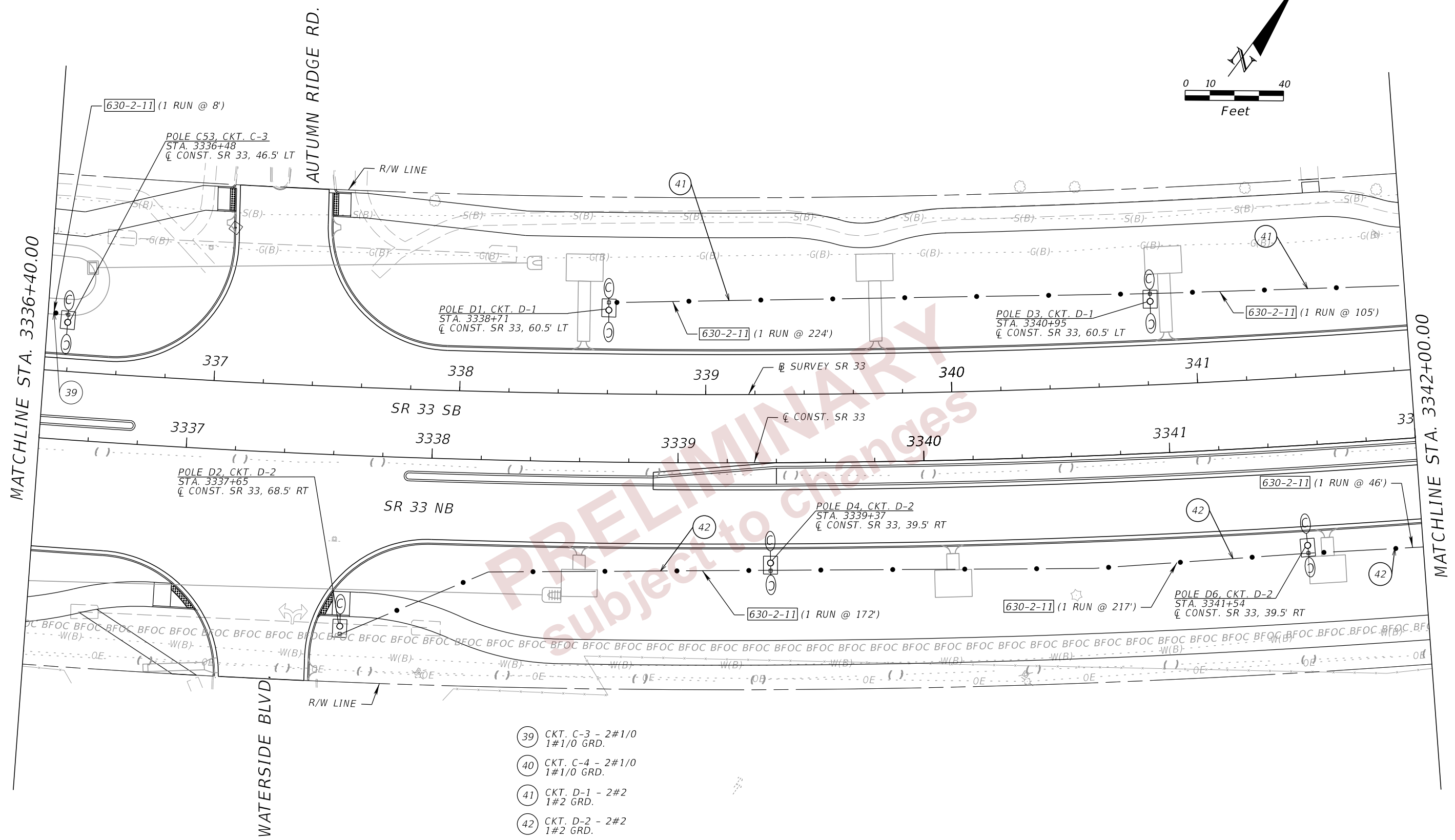
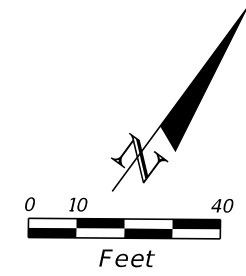
MATCHLINE STA. 3336+40.00

PRELIMINARY
Subject to Changes

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REVISIONS				ENGINEER OF RECORD		STATE OF FLORIDA DEPARTMENT OF TRANSPORTATION			SHEET NO.
DATE	DESCRIPTION	DATE	DESCRIPTION			ROAD NO.	COUNTY	FINANCIAL PROJECT ID	
				JAMIE P. HEUER, P.E. LICENSE NUMBER 67493 H. W. LOCHNER 4300 W. CYPRESS STREET, SUITE 500 TAMPA, FLORIDA 33607		SR 33	POLK	430185-4-52-01	LIGHTING PLANS (13) L-22

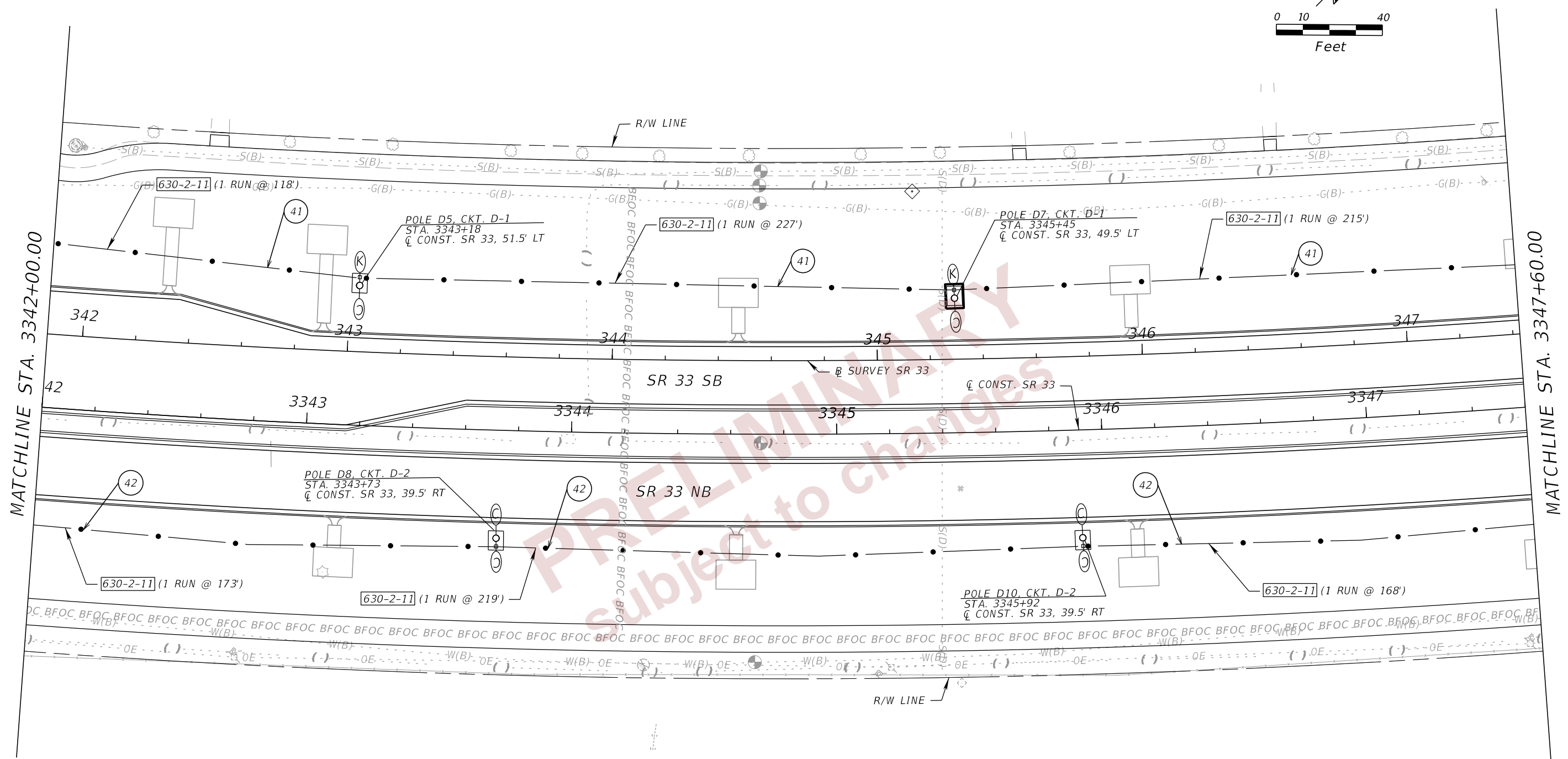
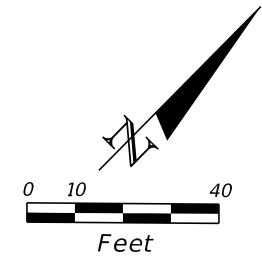


- 39 CKT. C-3 - 2#1/0
1#1/0 GRD.
- 40 CKT. C-4 - 2#1/0
1#1/0 GRD.
- 41 CKT. D-1 - 2#2
1#2 GRD.
- 42 CKT. D-2 - 2#2
1#2 GRD.

REVISIONS				ENGINEER OF RECORD		STATE OF FLORIDA DEPARTMENT OF TRANSPORTATION			LIGHTING PLANS (14)	SHEET NO. L-23
DATE	DESCRIPTION	DATE	DESCRIPTION			ROAD NO.	COUNTY	FINANCIAL PROJECT ID		
				JAMIE P. HEUER, P.E. LICENSE NUMBER 67493 H. W. LOCHNER 4300 W. CYPRESS STREET, SUITE 500 TAMPA, FLORIDA 33607		SR 33	POLK	430185-4-52-01		

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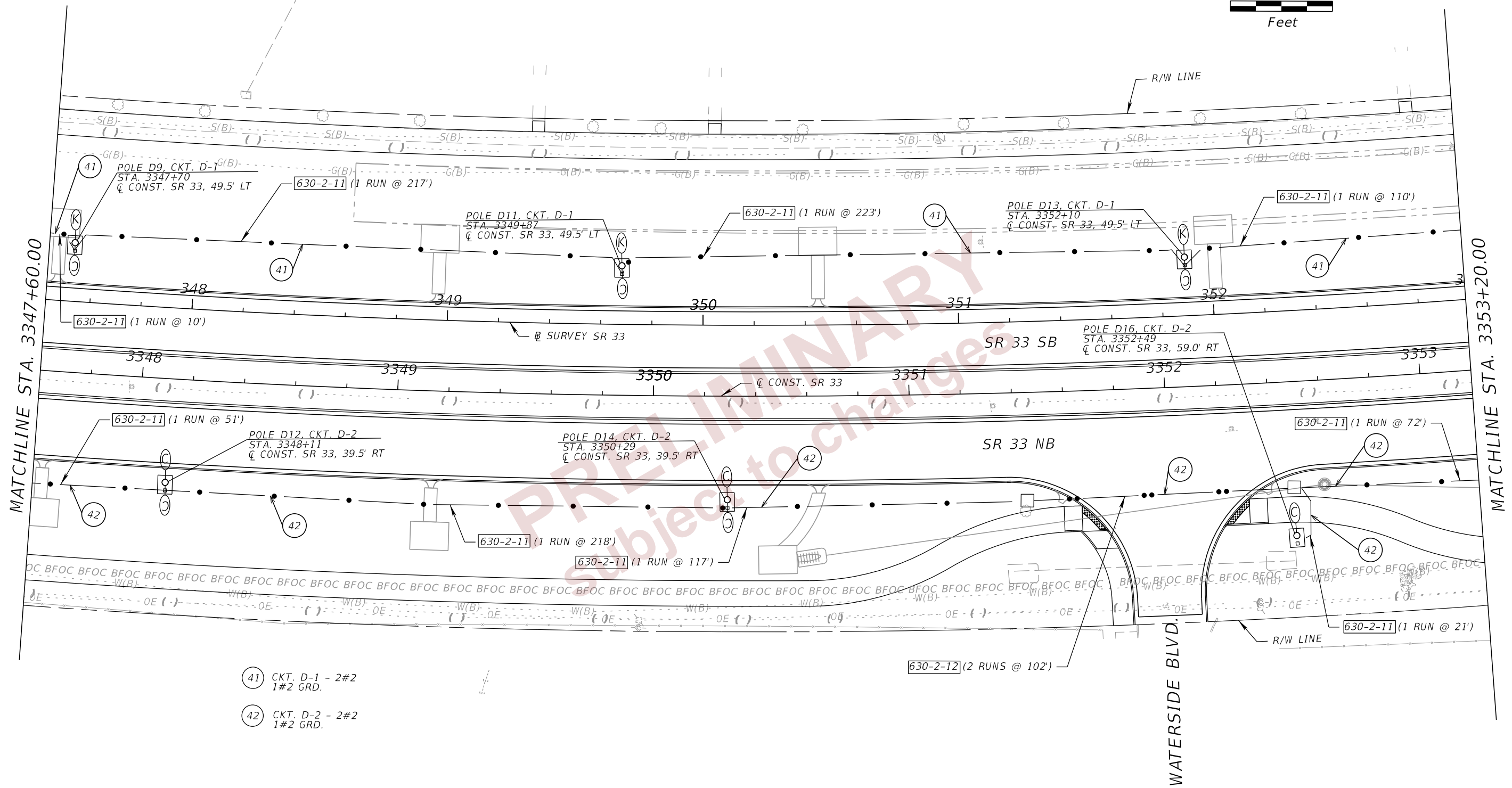
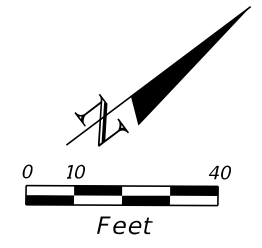


- ④① CKT. D-1 - 2#2
1#2 GRD.
- ④② CKT. D-2 - 2#2
1#2 GRD.

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REVISIONS		ENGINEER OF RECORD		STATE OF FLORIDA DEPARTMENT OF TRANSPORTATION			LIGHTING PLANS (15)	SHEET NO.
DATE	DESCRIPTION	DATE	DESCRIPTION	ROAD NO.	COUNTY	FINANCIAL PROJECT ID		L-24
				SR 33	POLK	430185-4-52-01		



- 41 CKT. D-1 - 2#2
1#2 GRD.
- 42 CKT. D-2 - 2#2
1#2 GRD.

MATCHLINE STA. 3347+60.00

MATCHLINE STA. 3353+20.00

WATERSIDE BLVD.

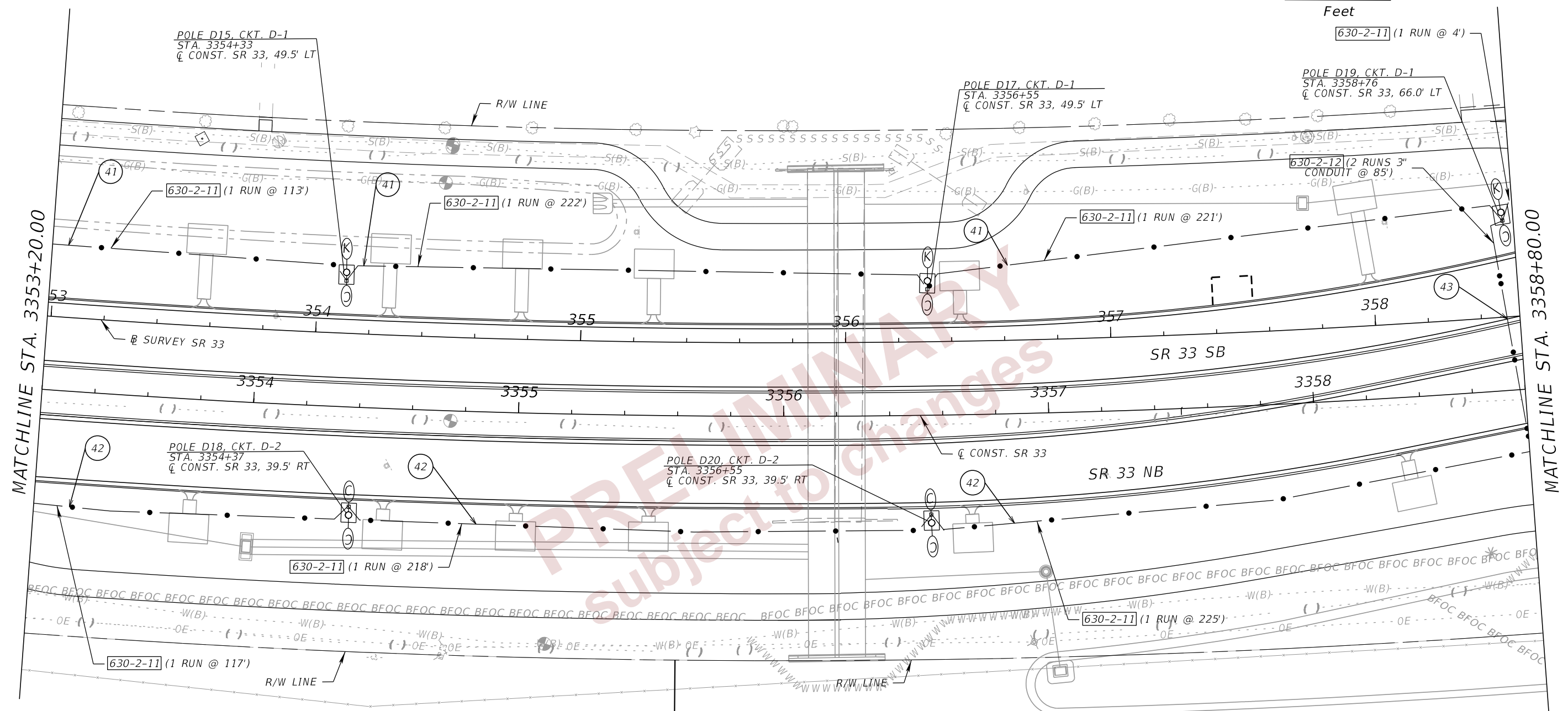
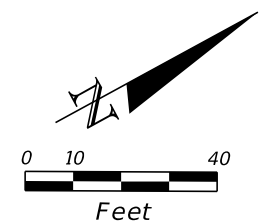
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REVISIONS				ENGINEER OF RECORD		STATE OF FLORIDA DEPARTMENT OF TRANSPORTATION			SHEET NO.
DATE	DESCRIPTION	DATE	DESCRIPTION	JAMIE P. HEUER, P.E. LICENSE NUMBER 67493 H. W. LOCHNER 4300 W. CYPRESS STREET, SUITE 500 TAMPA, FLORIDA 33607		ROAD NO.	COUNTY	FINANCIAL PROJECT ID	
						SR 33	POLK	430185-4-52-01	

LIGHTING PLANS (16)

L-25



- 41 CKT. D-1 - 2#2
1#2 GRD.
- 42 CKT. D-2 - 2#2
1#2 GRD.
- 43 CKT. D-1 - 2#2
CKT. D-3 - 2#1/0
CKT. D-5 - 2#1/0
1#1/0 GRD., 3" COND.

MATCHLINE STA. 3353+20.00

MATCHLINE STA. 3358+80.00

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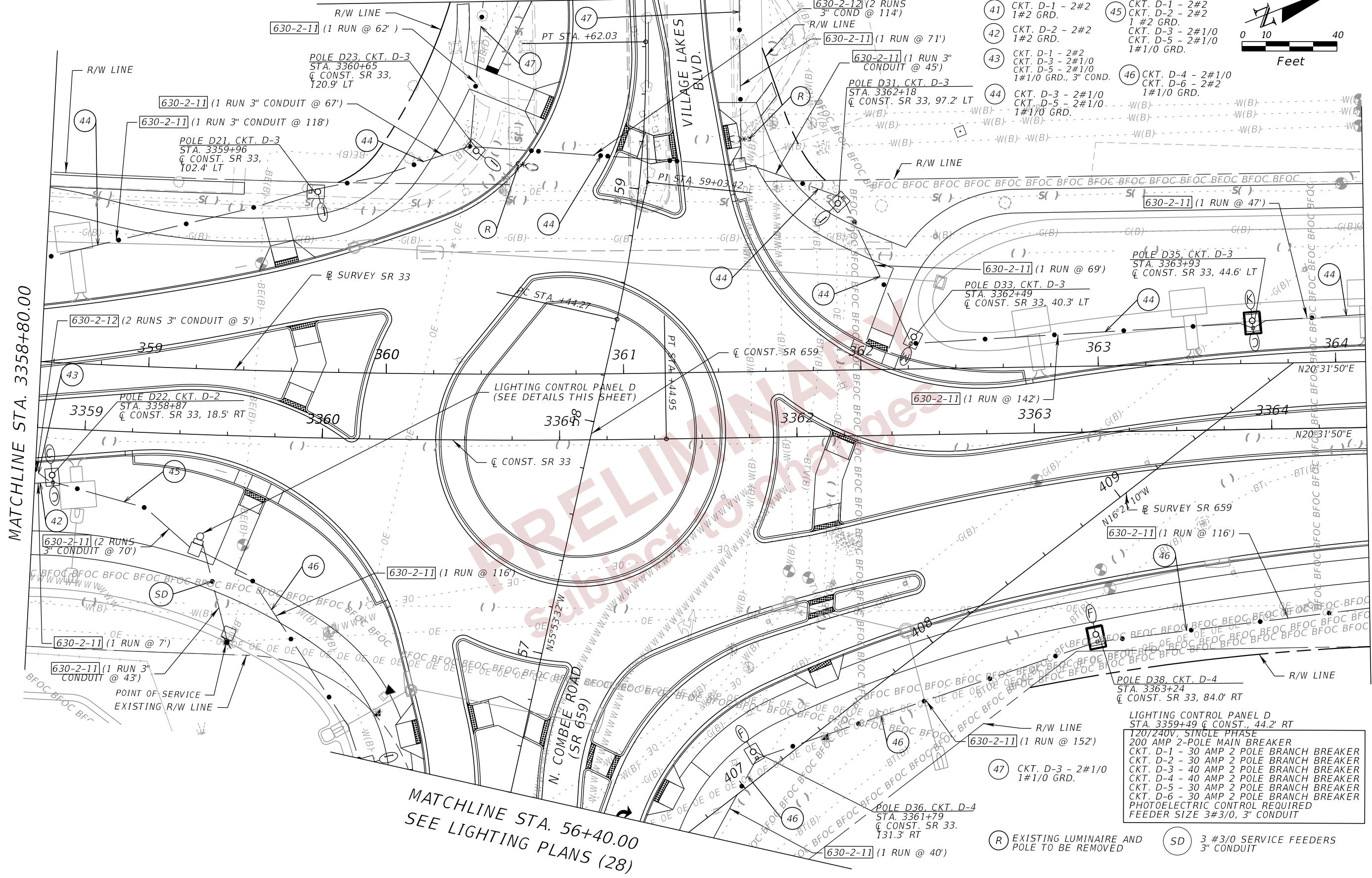
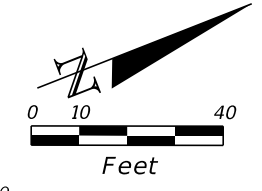
THE OFFICIAL RECORD OF THIS SHEET IS THE ELECTRONIC FILE DIGITALLY SIGNED AND SEALED UNDER RULE 61G15-23.004, F.A.C.

REVISIONS				ENGINEER OF RECORD		STATE OF FLORIDA DEPARTMENT OF TRANSPORTATION			SHEET NO.
DATE	DESCRIPTION	DATE	DESCRIPTION	JAMIE P. HEUER, P.E. LICENSE NUMBER 67493 H. W. LOCHNER 4300 W. CYPRESS STREET, SUITE 500 TAMPA, FLORIDA 33607		ROAD NO.	COUNTY	FINANCIAL PROJECT ID	
						SR 33	POLK	430185-4-52-01	

LIGHTING PLANS (17)

L-26

MATCHLINE STA. 59+80.00 SEE LIGHTING PLANS (29)



MATCHLINE STA. 3358+80.00

MATCHLINE STA. 3364+40.00

MATCHLINE STA. 56+40.00
SEE LIGHTING PLANS (28)

LIGHTING CONTROL PANEL D
 STA. 3359+49 & CONST., 44.2' RT
 120/240V, SINGLE PHASE
 200 AMP 2-POLE MAIN BREAKER
 CKT. D-1 - 30 AMP 2 POLE BRANCH BREAKER
 CKT. D-2 - 30 AMP 2 POLE BRANCH BREAKER
 CKT. D-3 - 40 AMP 2 POLE BRANCH BREAKER
 CKT. D-4 - 40 AMP 2 POLE BRANCH BREAKER
 CKT. D-5 - 30 AMP 2 POLE BRANCH BREAKER
 CKT. D-6 - 30 AMP 2 POLE BRANCH BREAKER
 PHOTOELECTRIC CONTROL REQUIRED
 FEEDER SIZE 3#3/0, 3" CONDUIT

(47) CKT. D-3 - 2#1/0
1#1/0 GRD.

(R) EXISTING LUMINAIRE AND
POLE TO BE REMOVED

(SD) 3 #3/0 SERVICE FEEDERS
3" CONDUIT

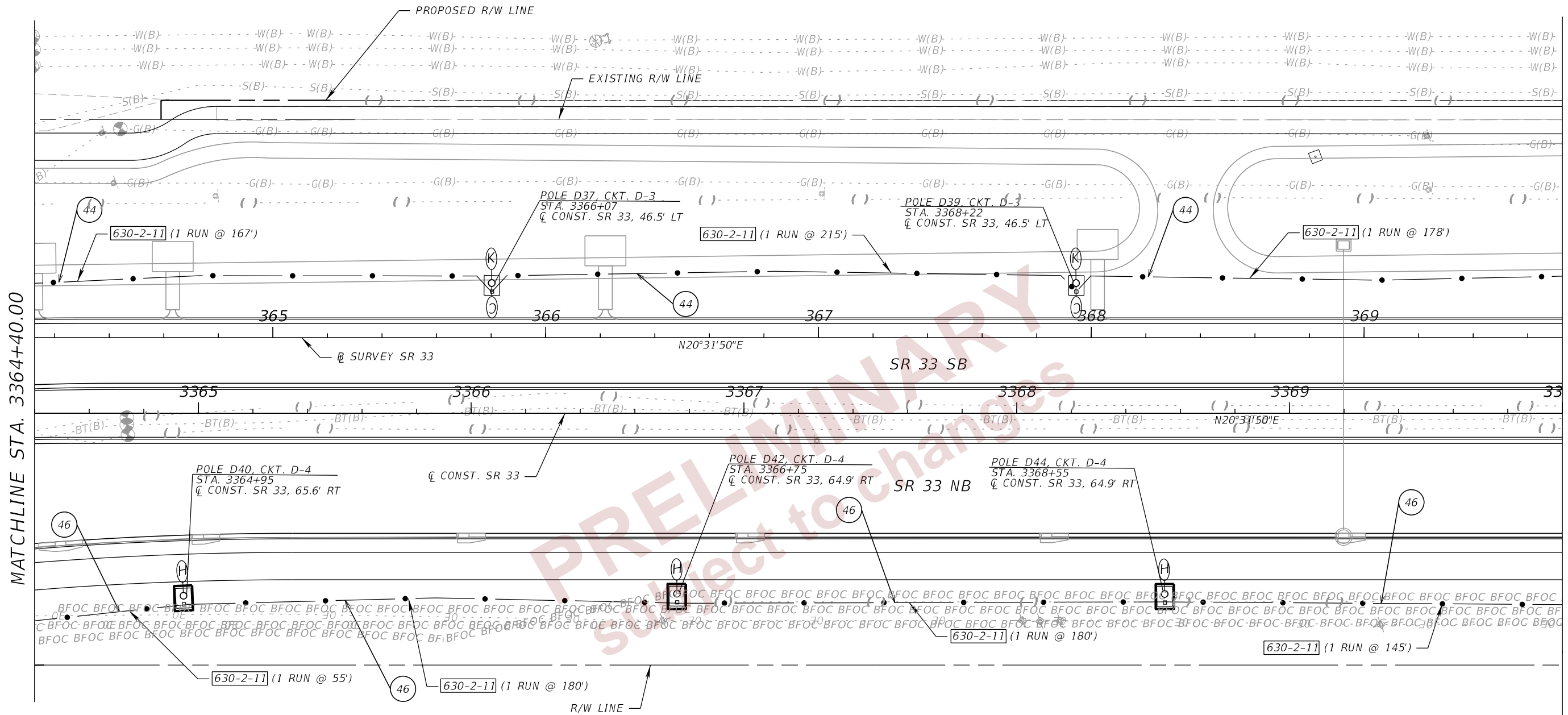
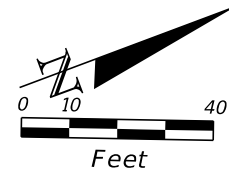
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REVISIONS		ENGINEER OF RECORD		STATE OF FLORIDA DEPARTMENT OF TRANSPORTATION			SHEET NO.
DATE	DESCRIPTION	DATE	DESCRIPTION	ROAD NO.	COUNTY	FINANCIAL PROJECT ID	
				SR 33	POLK	430185-4-52-01	

LIGHTING PLANS (18)

L-27

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MATCHLINE STA. 3364+40.00

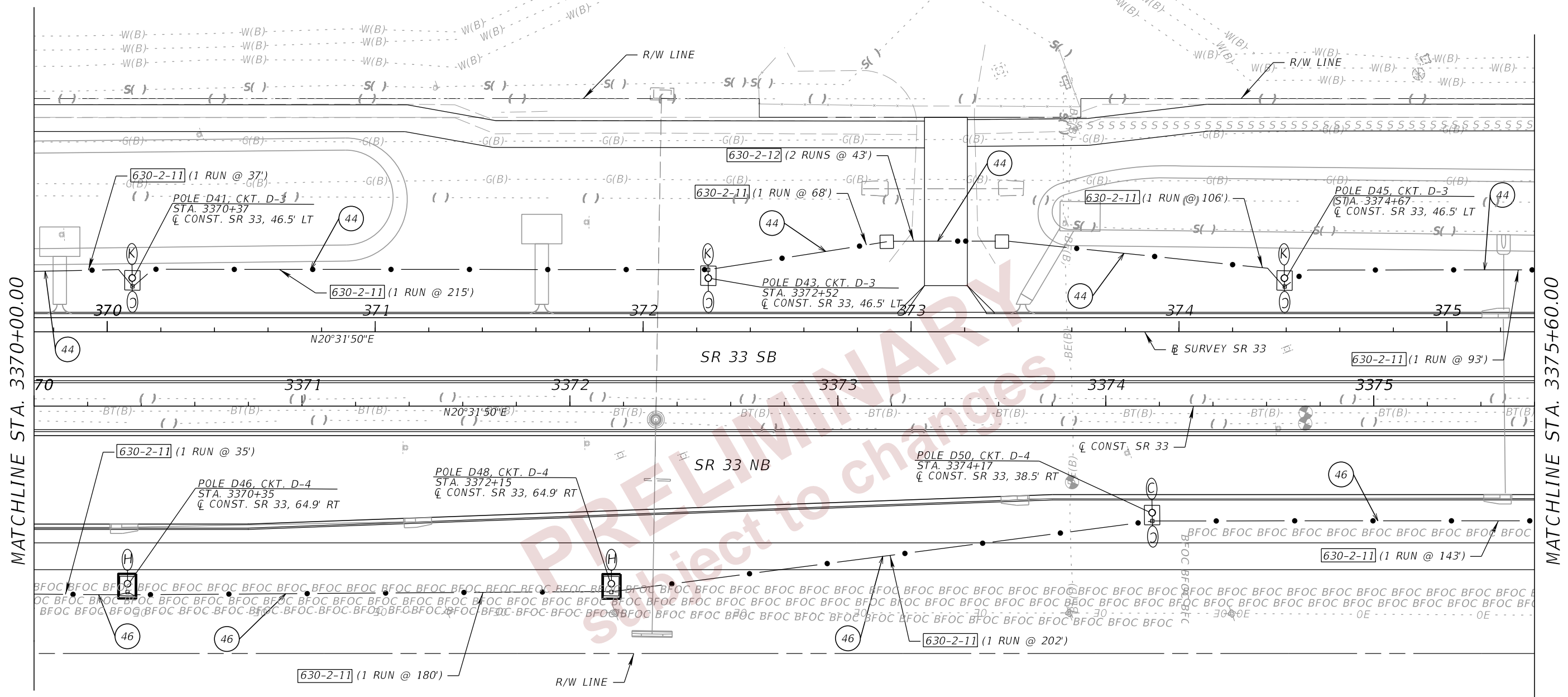
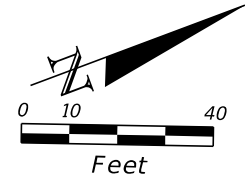
MATCHLINE STA. 3370+00.00

- ④ CKT. D-3 - 2#1/0
CKT. D-5 - 2#1/0
1#1/0 GRD.
- ④ CKT. D-4 - 2#1/0
CKT. D-6 - 2#2
1#1/0 GRD.

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REVISIONS				ENGINEER OF RECORD		STATE OF FLORIDA DEPARTMENT OF TRANSPORTATION			LIGHTING PLANS (19)	SHEET NO.
DATE	DESCRIPTION	DATE	DESCRIPTION	JAMIE P. HEUER, P.E. LICENSE NUMBER 67493 H. W. LOCHNER 4300 W. CYPRESS STREET, SUITE 500 TAMPA, FLORIDA 33607		ROAD NO.	COUNTY	FINANCIAL PROJECT ID		L-28
								SR 33		



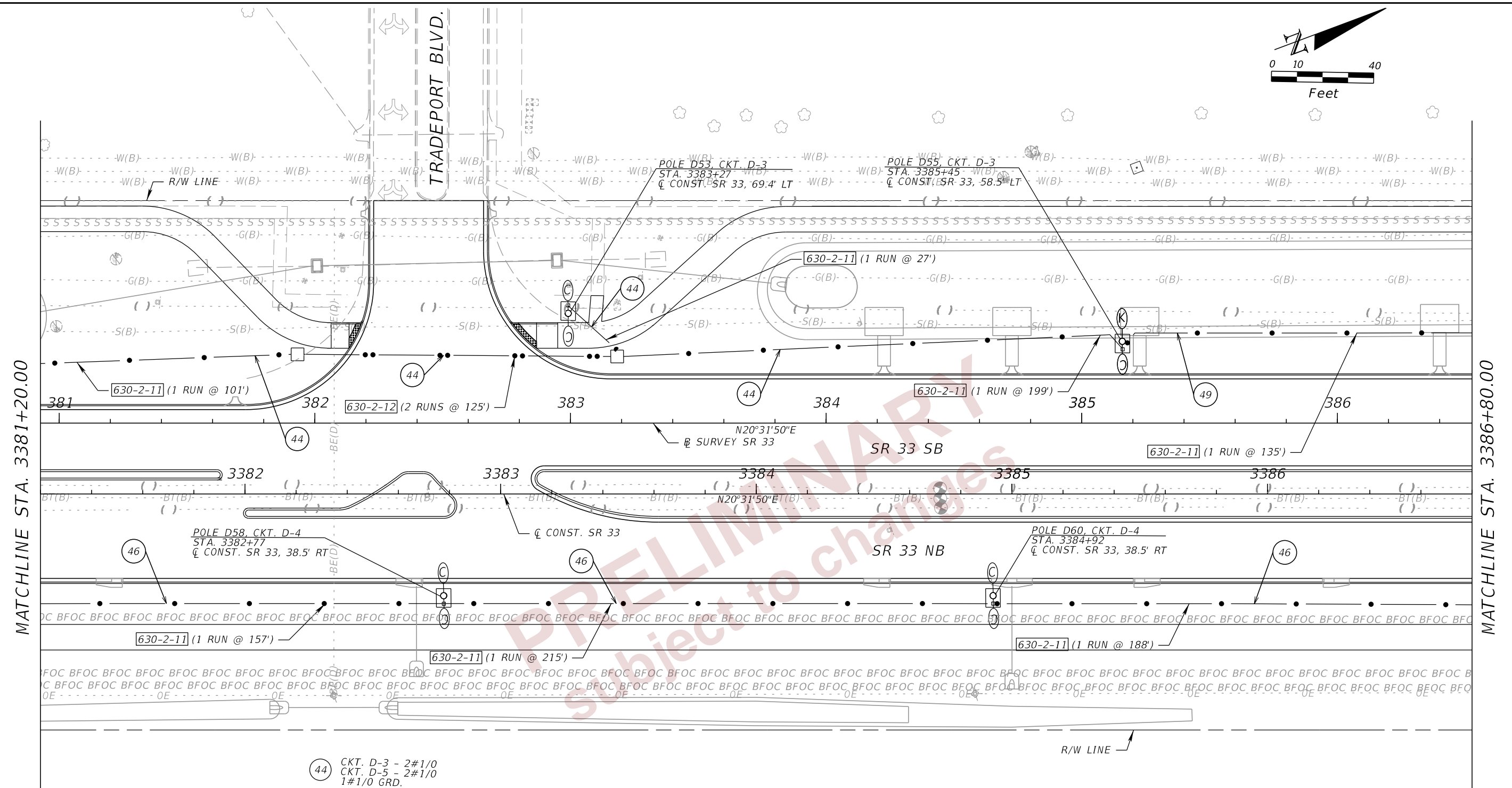
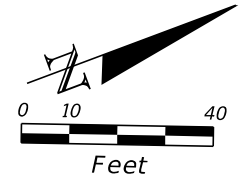
- 44 CKT. D-3 - 2#1/0
CKT. D-5 - 2#1/0
1#1/0 GRD.
- 46 CKT. D-4 - 2#1/0
CKT. D-6 - 2#2
1#1/0 GRD.

PRELIMINARY
 Subject to changes

2/29/2024 11:45:04 AM BMILLER
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REVISIONS				ENGINEER OF RECORD		STATE OF FLORIDA DEPARTMENT OF TRANSPORTATION			LIGHTING PLANS (20)	SHEET NO.
DATE	DESCRIPTION	DATE	DESCRIPTION	JAMIE P. HEUER, P.E. LICENSE NUMBER 67493 H. W. LOCHNER 4300 W. CYPRESS STREET, SUITE 500 TAMPA, FLORIDA 33607		ROAD NO.	COUNTY	FINANCIAL PROJECT ID		L-29
						SR 33	POLK	430185-4-52-01		

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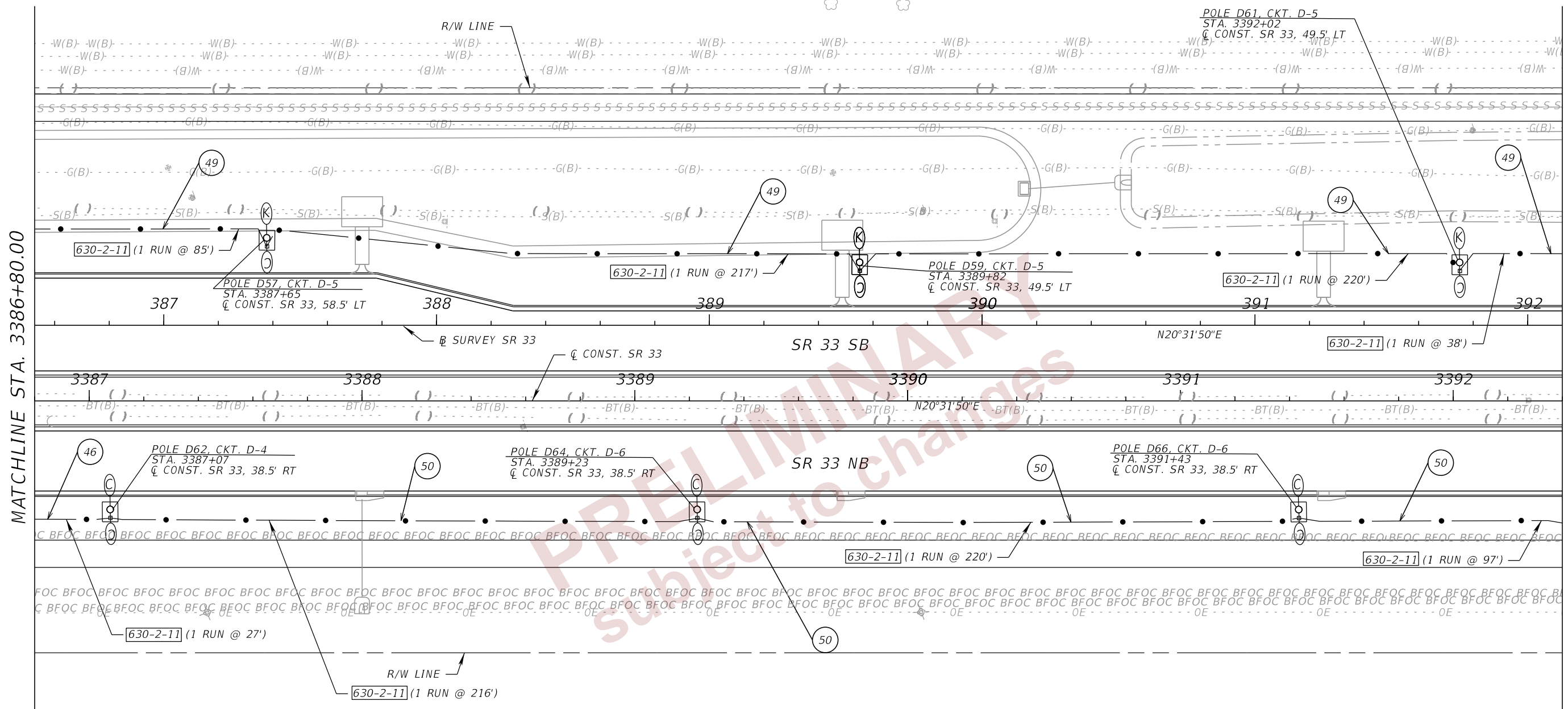
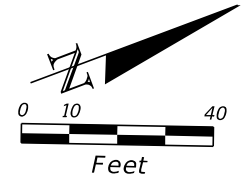


- 44 CKT. D-3 - 2#1/0
CKT. D-5 - 2#1/0
1#1/0 GRD.
- 46 CKT. D-4 - 2#1/0
CKT. D-6 - 2#2
1#1/0 GRD.
- 49 CKT. D-5 - 2#1/0
1#1/0 GRD.

2/29/2024 11:45:05 AM BMILLER c:\pw_working\lociner-pw-01\dms18867\PLANRD01.dgn

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REVISIONS				ENGINEER OF RECORD		STATE OF FLORIDA DEPARTMENT OF TRANSPORTATION			LIGHTING PLANS (22)	SHEET NO.
DATE	DESCRIPTION	DATE	DESCRIPTION			ROAD NO.	COUNTY	FINANCIAL PROJECT ID		L-31
				JAMIE P. HEUER, P.E. LICENSE NUMBER 67493 H. W. LOCHNER 4300 W. CYPRESS STREET, SUITE 500 TAMPA, FLORIDA 33607		SR 33	POLK	430185-4-52-01		



MATCHLINE STA. 3386+80.00

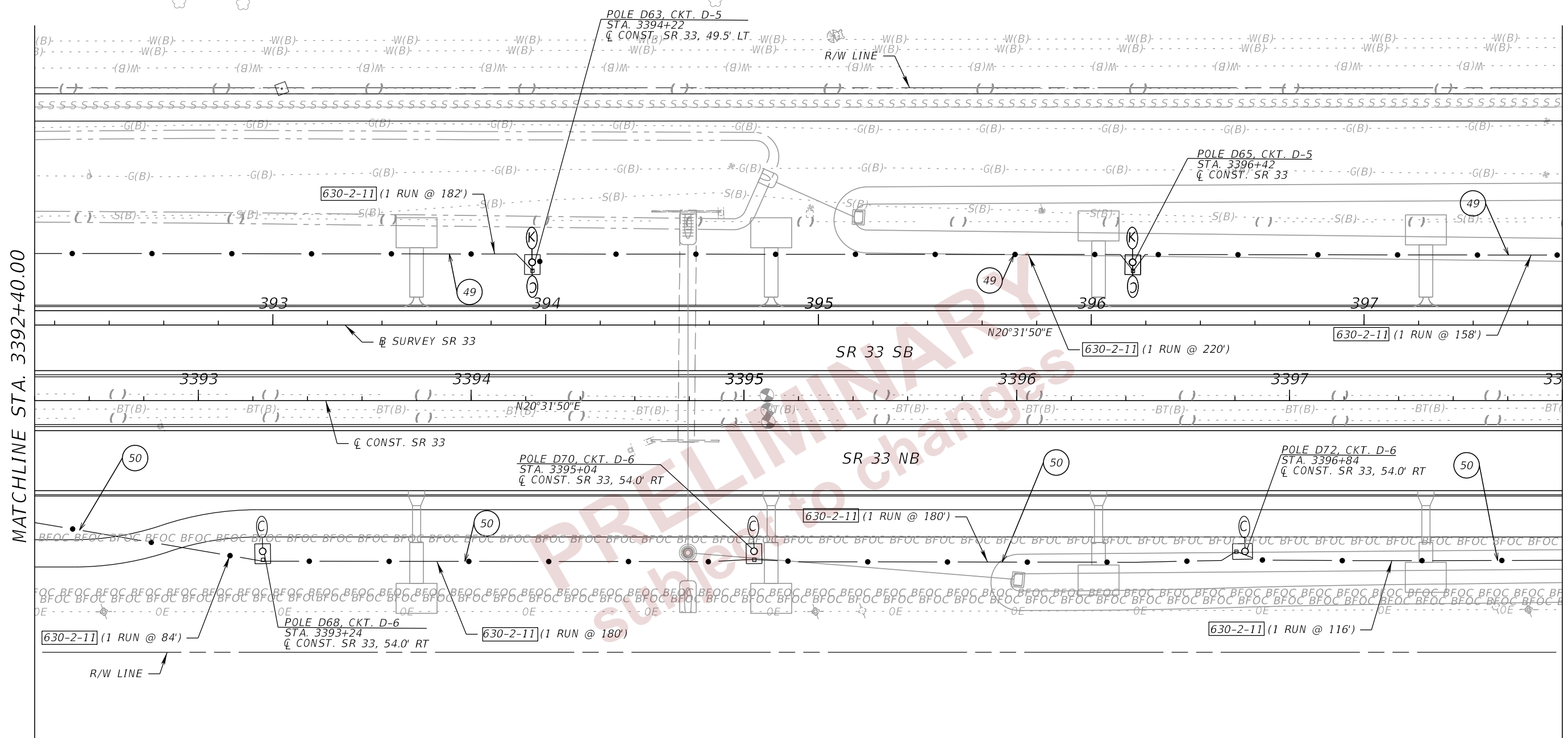
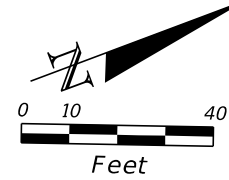
MATCHLINE STA. 3392+40.00

- 46 CKT. D-4 - 2#1/0
CKT. D-6 - 2#2
1#1/0 GRD.
- 49 CKT. D-5 - 2#1/0
1#1/0 GRD.
- 50 CKT. D-6 - 2#2
1#2 GRD.

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REVISIONS				ENGINEER OF RECORD		STATE OF FLORIDA DEPARTMENT OF TRANSPORTATION			SHEET NO.
DATE	DESCRIPTION	DATE	DESCRIPTION			ROAD NO.	COUNTY	FINANCIAL PROJECT ID	
				JAMIE P. HEUER, P.E. LICENSE NUMBER 67493 H. W. LOCHNER 4300 W. CYPRESS STREET, SUITE 500 TAMPA, FLORIDA 33607		SR 33	POLK	430185-4-52-01	L-32
LIGHTING PLANS (23)									



MATCHLINE STA. 3392+40.00

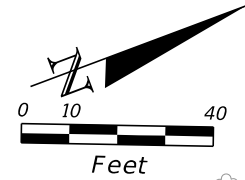
MATCHLINE STA. 3398+00.00

- ⓪ 49 CKT. D-5 - 2#1/0
1#1/0 GRD.
- ⓪ 50 CKT. D-6 - 2#2
1#2 GRD.

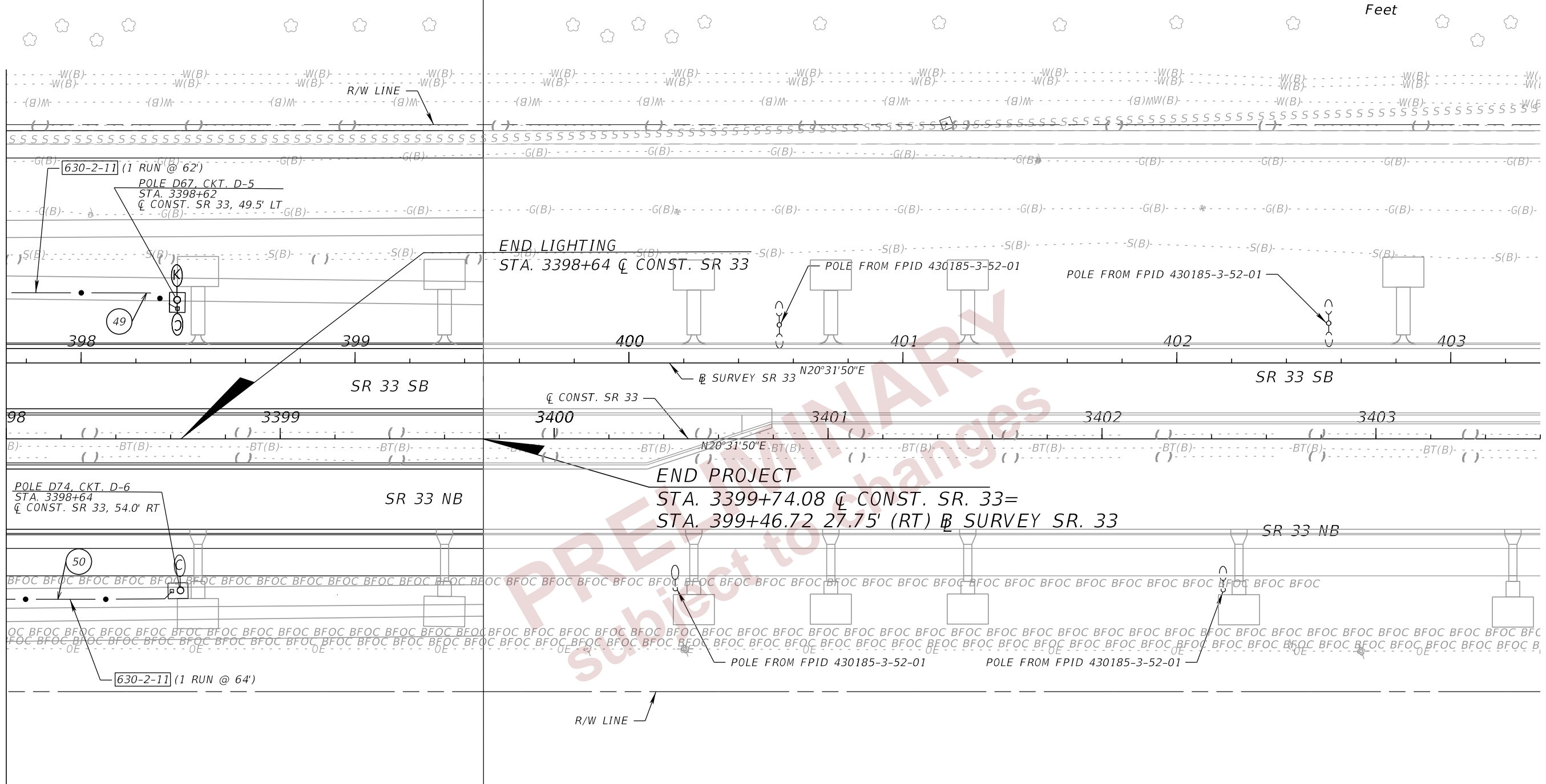
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REVISIONS				ENGINEER OF RECORD		STATE OF FLORIDA DEPARTMENT OF TRANSPORTATION			SHEET NO.
DATE	DESCRIPTION	DATE	DESCRIPTION			ROAD NO.	COUNTY	FINANCIAL PROJECT ID	
				JAMIE P. HEUER, P.E. LICENSE NUMBER 67493 H. W. LOCHNER 4300 W. CYPRESS STREET, SUITE 500 TAMPA, FLORIDA 33607		SR 33	POLK	430185-4-52-01	
LIGHTING PLANS (24)									L-33



MATCHLINE STA. 3398+00.00

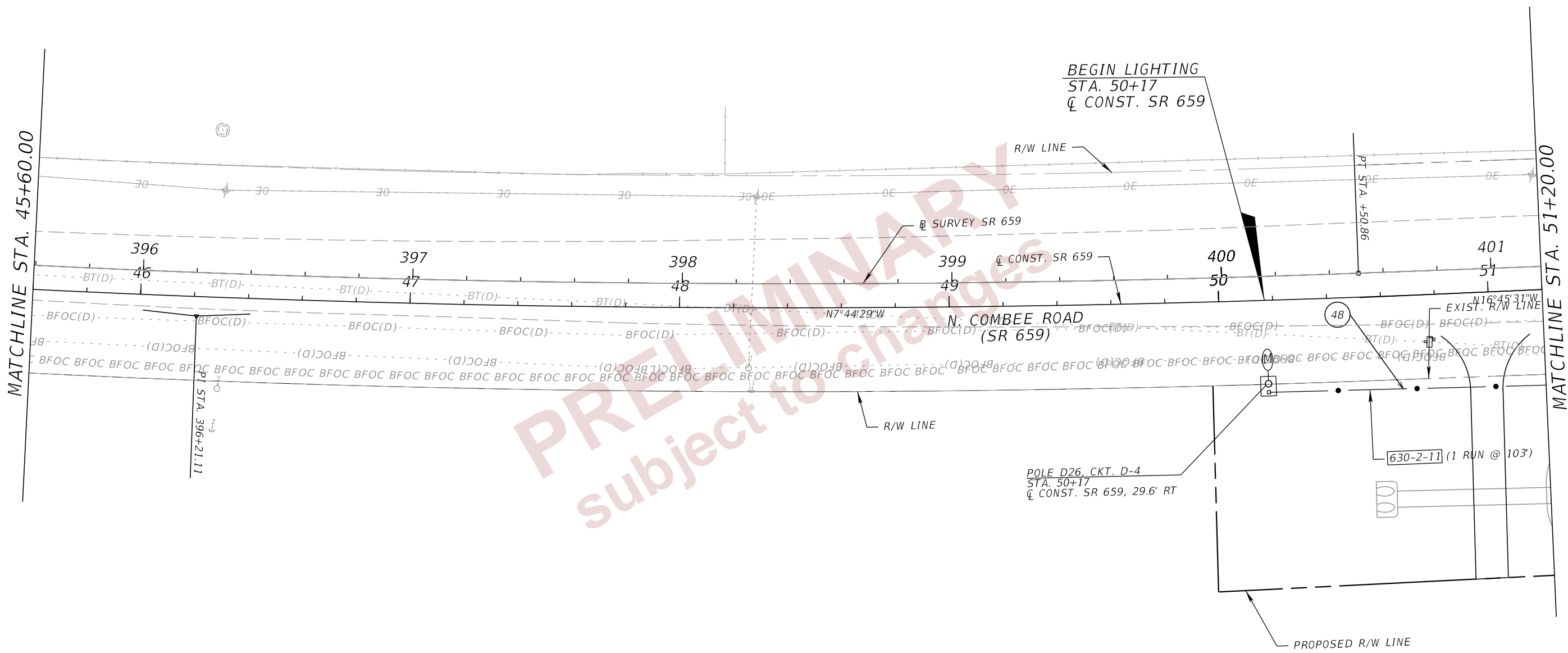
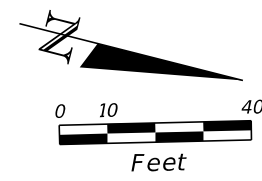


- 49 CKT. D-5 - 2#1/0
1#1/0 GRD.
- 50 CKT. D-6 - 2#2
1#2 GRD.

2/29/2024 11:45:06 AM BMILLER c:\pw_working\lociner-pw-01\dms18867\PLANRD01.dgn

REVISIONS				ENGINEER OF RECORD		STATE OF FLORIDA DEPARTMENT OF TRANSPORTATION			SHEET NO.
DATE	DESCRIPTION	DATE	DESCRIPTION			ROAD NO.	COUNTY	FINANCIAL PROJECT ID	
				JAMIE P. HEUER, P.E. LICENSE NUMBER 67493 H. W. LOCHNER 4300 W. CYPRESS STREET, SUITE 500 TAMPA, FLORIDA 33607		SR 33	POLK	430185-4-52-01	
LIGHTING PLANS (25)									L-34

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

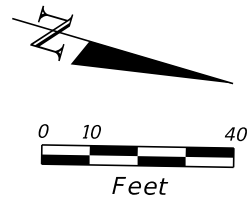


PRELIMINARY
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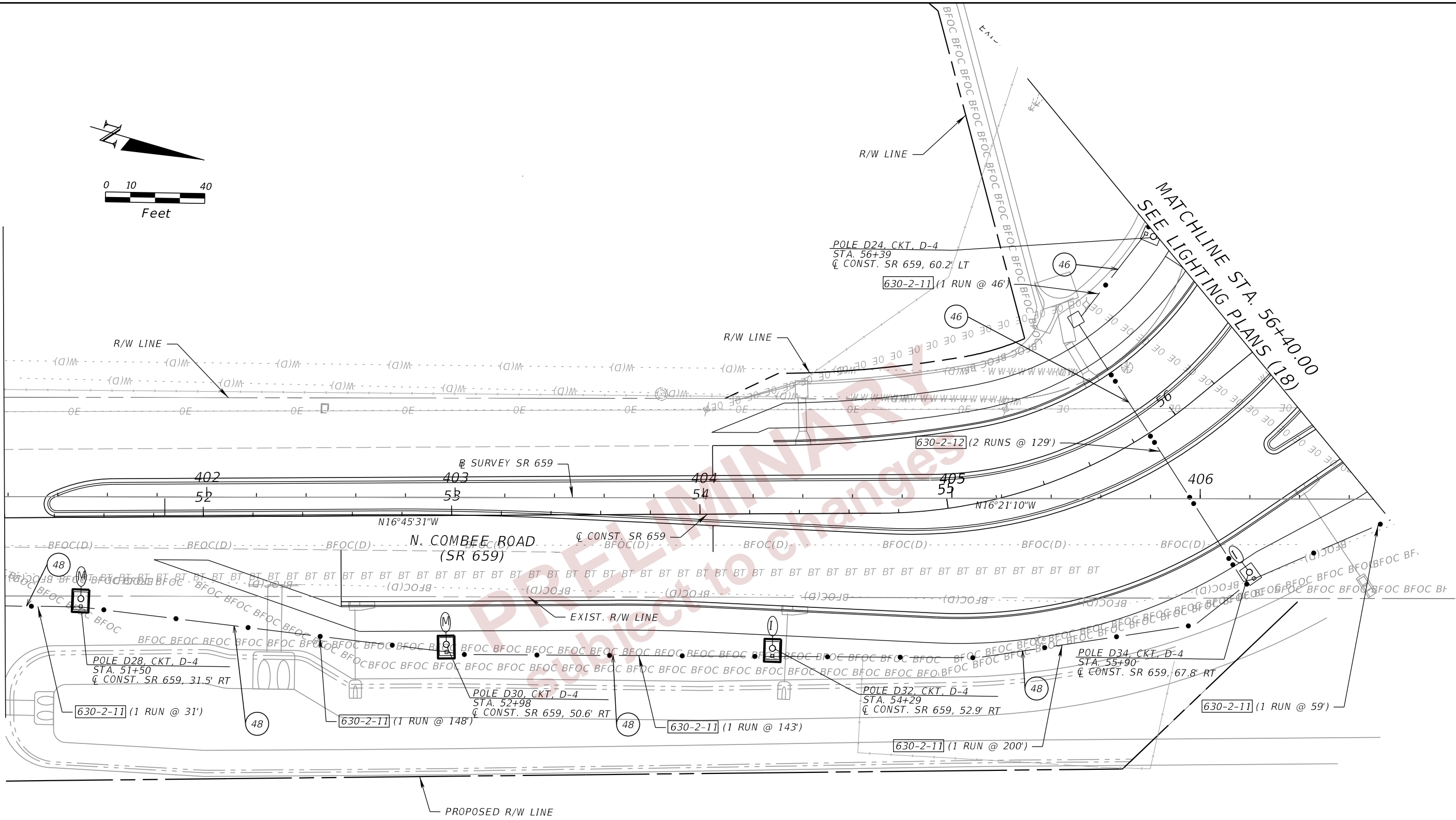
REVISIONS				ENGINEER OF RECORD		STATE OF FLORIDA DEPARTMENT OF TRANSPORTATION			LIGHTING PLANS (27)	SHEET NO.
DATE	DESCRIPTION	DATE	DESCRIPTION	JAMIE P. HEUER, P.E. LICENSE NUMBER 67493 H.W. LOCHNER 4300 W. CYPRESS STREET, SUITE 500 TAMPA, FLORIDA 33607		ROAD NO.	COUNTY	FINANCIAL PROJECT ID		L-35
						SR 33	POLK	430185-4-52-01		

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MATCHLINE STA. 51+20.00

MATCHLINE STA. 56+40.00
SEE LIGHTING PLANS (18)



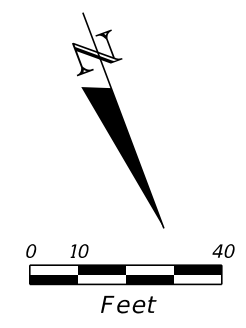
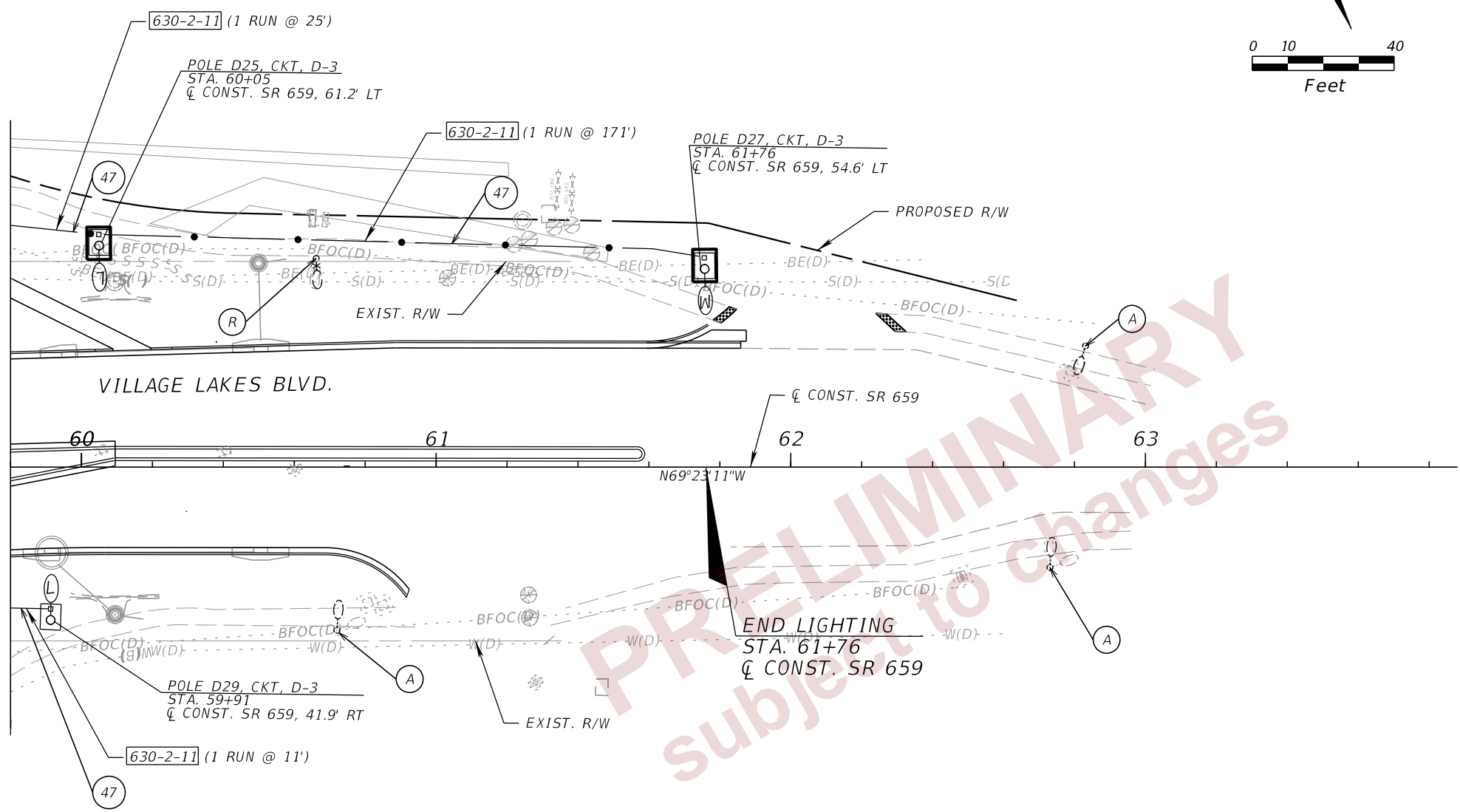
48 CKT. D-4 - 2#1/0
1#1/0 GRD.

2/29/2024 11:45:40 AM BMILLER
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REVISIONS				ENGINEER OF RECORD		STATE OF FLORIDA DEPARTMENT OF TRANSPORTATION			SHEET NO.
DATE	DESCRIPTION	DATE	DESCRIPTION			ROAD NO.	COUNTY	FINANCIAL PROJECT ID	
				JAMIE P. HEUER, P.E. LICENSE NUMBER 67493 H.W. LOCHNER 4300 W. CYPRESS STREET, SUITE 500 TAMPA, FLORIDA 33607		SR 33	POLK	430185-4-52-01	
LIGHTING PLANS (28)									L-36

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MATCHLINE STA. 59+80.00
SEE LIGHTING PLANS (18)



PRELIMINARY
subject to changes

- 47 CKT. D-3 - 2#1/0
1#1/0 GRD.
- R EXISTING POLE AND LUMINAIRE TO BE REMOVED
- A EXISTING POLE AND LUMINAIRE TO REMAIN

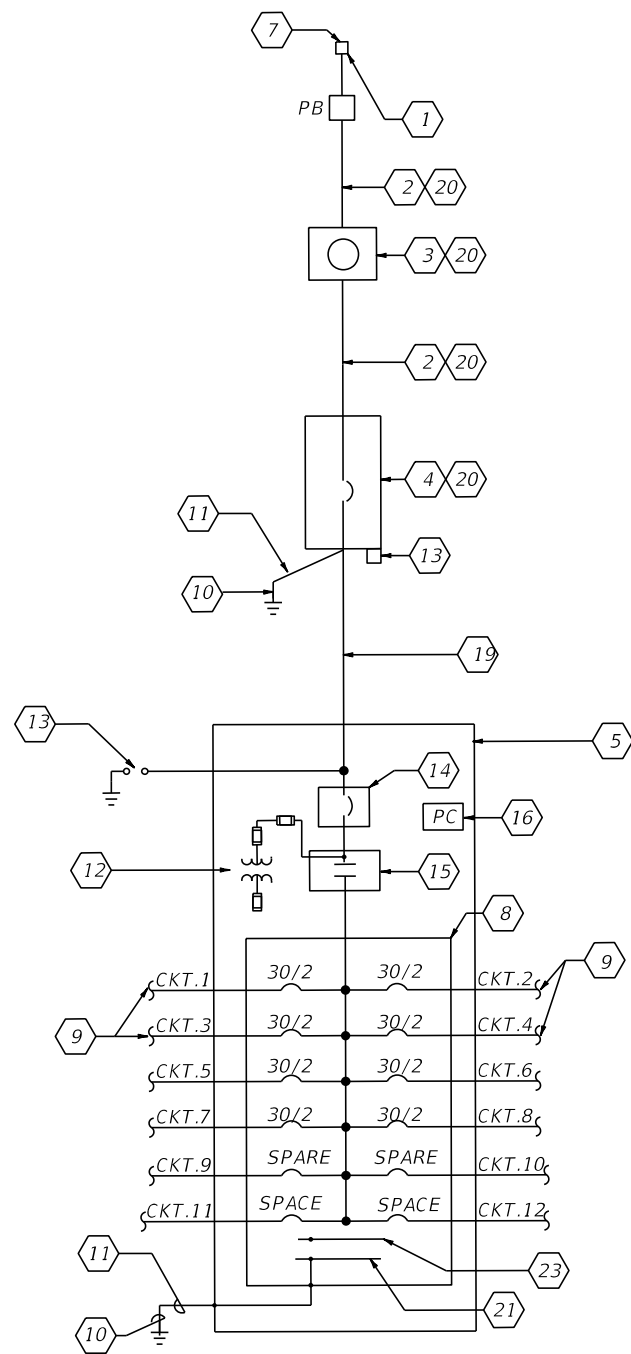
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REVISIONS				ENGINEER OF RECORD		STATE OF FLORIDA DEPARTMENT OF TRANSPORTATION			SHEET NO.
DATE	DESCRIPTION	DATE	DESCRIPTION	JAMIE P. HEUER, P.E. LICENSE NUMBER 67493 H.W. LOCHNER 4300 W. CYPRESS STREET, SUITE 500 TAMPA, FLORIDA 33607		ROAD NO.	COUNTY	FINANCIAL PROJECT ID	
								SR 33	POLK

LIGHTING PLANS (29)

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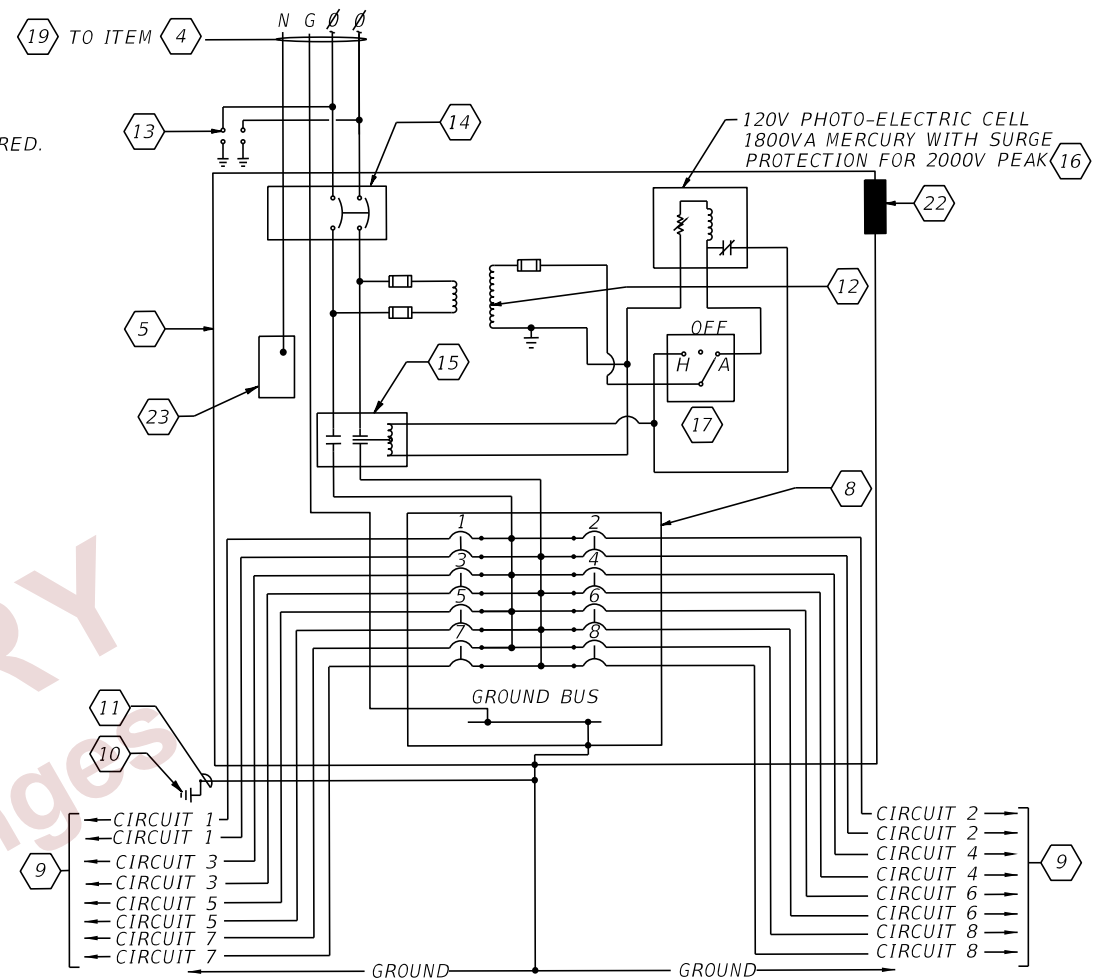
ONE LINE DIAGRAM DISTRIBUTION POINT
N.T.S.

- KEYED NOTES:**
- 1 120/240V, SINGLE PHASE 3-WIRE CITY OF LAKE LAND ELECTRIC OVERHEAD POWER SERVICE.
 - 2 SERVICE FEEDER IN RIGID GALVANIZED STEEL CONDUIT.
 - 3 METER SOCKET BY CONTRACTOR. METER BY CITY OF LAKE LAND ELECTRIC IF REQUIRED.
 - 4 150 AMP, 240V SOLID NEUTRAL HEAVY DUTY NEMA 4X SST NON-FUSED SAFETY SWITCH
 - 5 LIGHTING CONTROL CABINET NEMA 4X SST ENCLOSURE. DIMENSIONS AS NECESSARY FOR EQUIPMENT INSIDE. ALL WIRING BETWEEN ENCLOSURES SHALL BE IN RIGID GALVANIZED STEEL CONDUIT. GROUND MOUNTED CABINET PER INDEX 639-002.
 - 6 CONCRETE RISER POLE.
 - 7 WEATHERHEAD
 - 8 PANELBOARD, 240V, 1 PHASE 2-WIRE WITH GROUND BUS, IN NEMA 1 ENCLOSURE, WITH 2-POLE, 18,000 AIC BRANCH CIRCUIT BREAKERS. NUMBER & RATING OF BRANCH CIRCUIT BREAKERS SHALL BE AS INDICATED ON DISTRIBUTION POINT DESCRIPTION ON LIGHTING PLAN SHEETS.
 - 9 BRANCH CIRCUIT TO ROADWAY LUMINAIRES (FOR THE SIZE OF THE CIRCUIT BREAKER SEE LIGHTING PLANS).
 - 10 COPPER CLAD GROUND ROD 5/8" DIAMETER, 40 FT LONG.
 - 11 #1/0 INSULATED COPPER GROUND WIRE IN 3/4" RIGID GALVANIZED STEEL CONDUIT. BOND THE SERVICE NEUTRAL TO GROUND AT SERVICE MAIN DISCONNECT.
 - 12 FUSED CONTROL POWER TRANSFORMER 0.5 KVA, 1 PHASE, 240V PRIMARY, 120V SECONDARY (PART OF LIGHTING CONTACTOR, SHOWN OUTSIDE FOR CLARITY).
 - 13 LIGHTNING ARRESTER MOUNTED ON OUTSIDE OF ENCLOSURE.
 - 14 LIGHTING CONTROL CABINET CIRCUIT BREAKER, 2P, 240V, 35,000 AIC IN NEMA 1 ENCLOSURE.
 - 15 2P ELECTRICALLY HELD LIGHTING CONTACTOR IN NEMA 1 ENCLOSURE WITH SAME STANDARD SIZE AS MAIN CIRCUIT BREAKER OR GREATER.
 - 16 120V PHOTO ELECTRIC CELL, 1800VA WITH 2000V PEAK SURGE PROTECTION MOUNTED INSIDE LIGHTING CONTROL CABINET.
 - 17 HAND-OFF AUTOMATIC SELECTOR SWITCH (PART OF LIGHTING CONTACTOR, SHOWN OUTSIDE FOR CLARITY).
 - 18 CONCRETE PAD.
 - 19 UNDERGROUND FEEDER IN SCHEDULE 40 PVC CONDUIT. SEE PLAN SHEETS FOR CONDUIT AND FEEDER SIZES.
 - 20 MOUNT ON PEDESTAL POLE.
 - 21 GROUND BUS.
 - 22 2" x 2" SQUARE PLEXIGLASS WINDOW FOR PHOTOCELL.
 - 23 NEUTRAL BAR

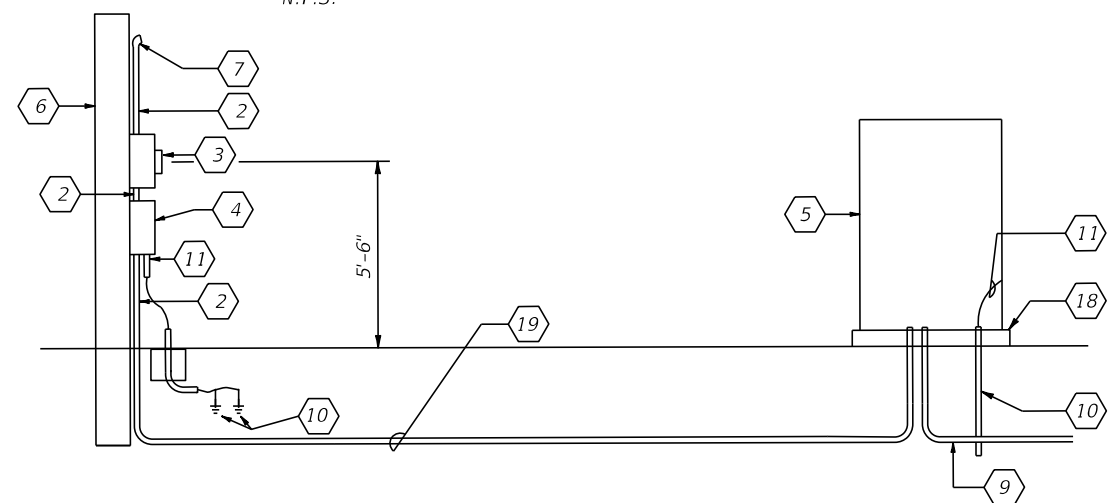
GENERAL NOTE:

ALL ELECTRICAL EQUIPMENT INCLUDING SERVICE, MAIN CIRCUIT BREAKER, LIGHTING CONTROL PANEL LOAD CENTER, POWER TRANSFORMER, LIGHTING CONTACTOR SHALL BE PROVIDED WITH 75° CELCIUS TERMINAL LUG CONNECTORS.

LIGHTING CONTROL PANEL (TYPICAL OF PANELS 'C' & 'D')



TYPICAL DISTRIBUTION POINT SCHEMATIC DETAIL
N.T.S.



RISER DIAGRAM
N.T.S. (PULL BOX NOT SHOWN FOR CLARITY)

REVISIONS				ENGINEER OF RECORD			STATE OF FLORIDA DEPARTMENT OF TRANSPORTATION			SHEET NO.
DATE	DESCRIPTION	DATE	DESCRIPTION	JOSEPH M. CALDERON TORRES II, P.E. LICENSE NUMBER 90625 H.W. LOCHNER 4300 W. CYPRESS STREET, SUITE 500 TAMPA, FLORIDA 33607			ROAD NO.	COUNTY	FINANCIAL PROJECT ID	
				SR 33	POLK	430185-4-52-01	SERVICE POINT DETAILS			
										L-38

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

Name: Panel B - 120/240V (EXISTING) 1 PH 3W 100A Main CB TYPE: Panelboard
 Location: SR 33/OLD COMBEE ROAD AIC: 35,000
 CITY OF LAKE LAND MAINTENANCE

NO.	DESCRIPTION	LOAD	CB	*	A	B	CB	*	LOAD	DESCRIPTION	NO.
1	Lighting Circuit B-1	1777.8	30/2	CB	X		30/2	CB	2844.4	Lighting Circuit B-2	2
3						X					4
5	Lighting Circuit B-3	1777.8	30/2	CB	X		30/2	CB	2467.8	Lighting Circuit B-4	6
7						X					8
9	SPARE		30/2	CB	X		30/2	CB		SPARE	10
11						X					12
13	SPARE		30/2	CB	X		30/2	CB		SPARE	14
15						X					16
17	SPACE					X				SPACE	18
19						X					20
21	SPACE					X				SPACE	22
23	SPACE					X				SPACE	24

		PH. A		PH. B	
Connected VA		4433.9	4433.9		

Notes:

Load Type:	Conn. VA	NEC Demand Factor	NEC VA
Lighting	8867.8	x 125	11084.7
	8867.8	36.9 amps	11084.7 46.2 amps

Name: Panel C - 120/240V 1 PH 3W 150A Main CB TYPE: Panelboard
 Location: SR 33, 0.1 MILE SOUTH OF LONG LAKE CIRCLE AIC: 35,000
 CITY OF LAKE LAND MAINTENANCE

NO.	DESCRIPTION	LOAD	CB	*	A	B	CB	*	LOAD	DESCRIPTION	NO.
1	Lighting Circuit C-1	6074.4	40/2	CB	X		30/2	CB	5400.0	Lighting Circuit C-2	2
3						X					4
5	Lighting Circuit C-3	5403.3	30/2	CB	X		30/2	CB	5200.0	Lighting Circuit C-4	6
7						X					8
9	SPARE		30/2	CB	X		30/2	CB		SPARE	10
11						X					12
13	SPARE		30/2	CB	X		30/2	CB		SPARE	14
15						X					16
17	SPACE					X				SPACE	18
19						X					20
21	SPACE					X				SPACE	22
23	SPACE					X				SPACE	24

		PH. A		PH. B	
Connected VA		11038.9	11038.9		

Notes:

Load Type:	Conn. VA	NEC Demand Factor	NEC VA
Lighting	22078	x 125	27597.2
	22078	92.0 amps	27597.2 115.0 amps

Name: Panel D - 120/240V 1 PH 3W 200A Main CB TYPE: Panelboard
 Location: SR 33/NORTH COMBEE ROAD AIC: 35,000
 CITY OF LAKE LAND MAINTENANCE

NO.	DESCRIPTION	LOAD	CB	*	A	B	CB	*	LOAD	DESCRIPTION	NO.
1	Lighting Circuit D-1	4542.2	30/2	CB	X		30/2	CB	4000.0	Lighting Circuit D-2	2
3						X					4
5	Lighting Circuit D-3	7044.4	40/2	CB	X		40/2	CB	6102.2	Lighting Circuit D-4	6
7						X					8
9	Lighting Circuit D-5	2806.7	30/2	CB	X		30/2	CB	1600.0	Lighting Circuit D-6	10
11						X					12
13	SPARE		30/2	CB	X		30/2	CB		SPARE	14
15						X					16
17	SPARE		30/2		X		30/2			SPARE	18
19					X						20
21	SPACE				X					SPACE	22
23	SPACE				X					SPACE	24

		PH. A		PH. B	
Connected VA		13047.8	13047.8		

Notes:

Load Type:	Conn. VA	NEC Demand Factor	NEC VA
Lighting	26096	x 125	32619.4
	26096	108.7 amps	32619.4 135.9 amps

PRELIMINARY
 Subject to changes

2/29/2024 11:45:57 AM BMILLER
 c:\pw_working\lochner-pw-01.dms\1885\SRPTLT01.dgn

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			STATE OF FLORIDA DEPARTMENT OF TRANSPORTATION			SHEET NO.
DATE	DESCRIPTION	DATE	DESCRIPTION	ROAD NO.	COUNTY	FINANCIAL PROJECT ID	SERVICE POINT DETAILS		
				SR 33	POLK	430185-4-52-01		L-39	

JOSEPH M. CALDERON TORRES II, P.E.
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