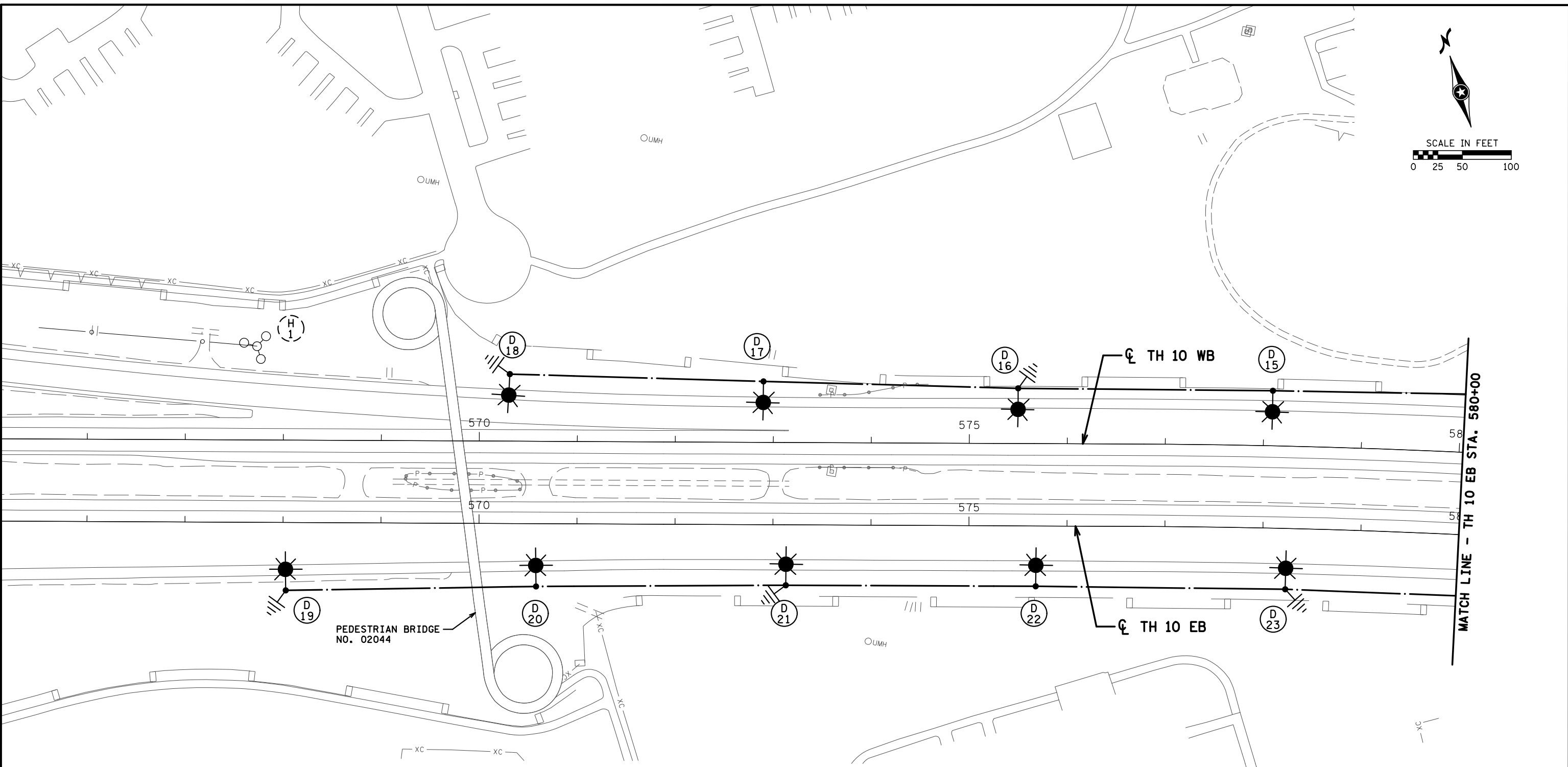
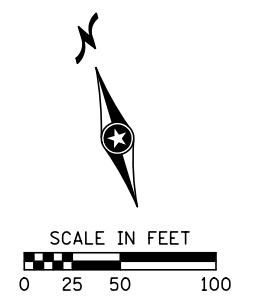


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**FEEDPOINT F3D**

LIGHTING STANDARDS AND FOUNDATIONS					
NO.	STATION	LT	RT	LOCATION	TYPE
15	578+09	-	-	TH 10 WB	9-49
16	575+50	-	-	TH 10 WB	9-49
17	572+90	-	-	TH 10 WB	9-49
18	570+31	-	-	TH 10 WB	9-49
19	568+03	-	-	TH 10 EB	9-49
20	570+59	-	-	TH 10 EB	9-49
21	573+13	-	-	TH 10 EB	9-49
22	575+68	-	-	TH 10 EB	9-49
23	578+24	-	-	TH 10 EB	9-49

**LEGEND**

	INPLACE HIGHMAST LIGHT TOWER		F&I LIGHTING UNIT WITH LED LUMINAIRE
	INPLACE LIGHT POLE NUMBER		PROPOSED LIGHT POLE NUMBER
	INPLACE DIRECT BURIED LIGHTING CABLE		F&I DIRECT BURIED LIGHTING CABLE 4/C #4
			5/8' x 10' GROUND ROD

DRAWN BY: JSB  
 CHECKED BY: CJL

I HEREBY CERTIFY THAT THIS SHEET WAS PREPARED BY ME OR UNDER MY DIRECT SUPERVISION AND THAT I AM A DULY LICENSED PROFESSIONAL ENGINEER UNDER THE LAWS OF THE STATE OF MINNESOTA.

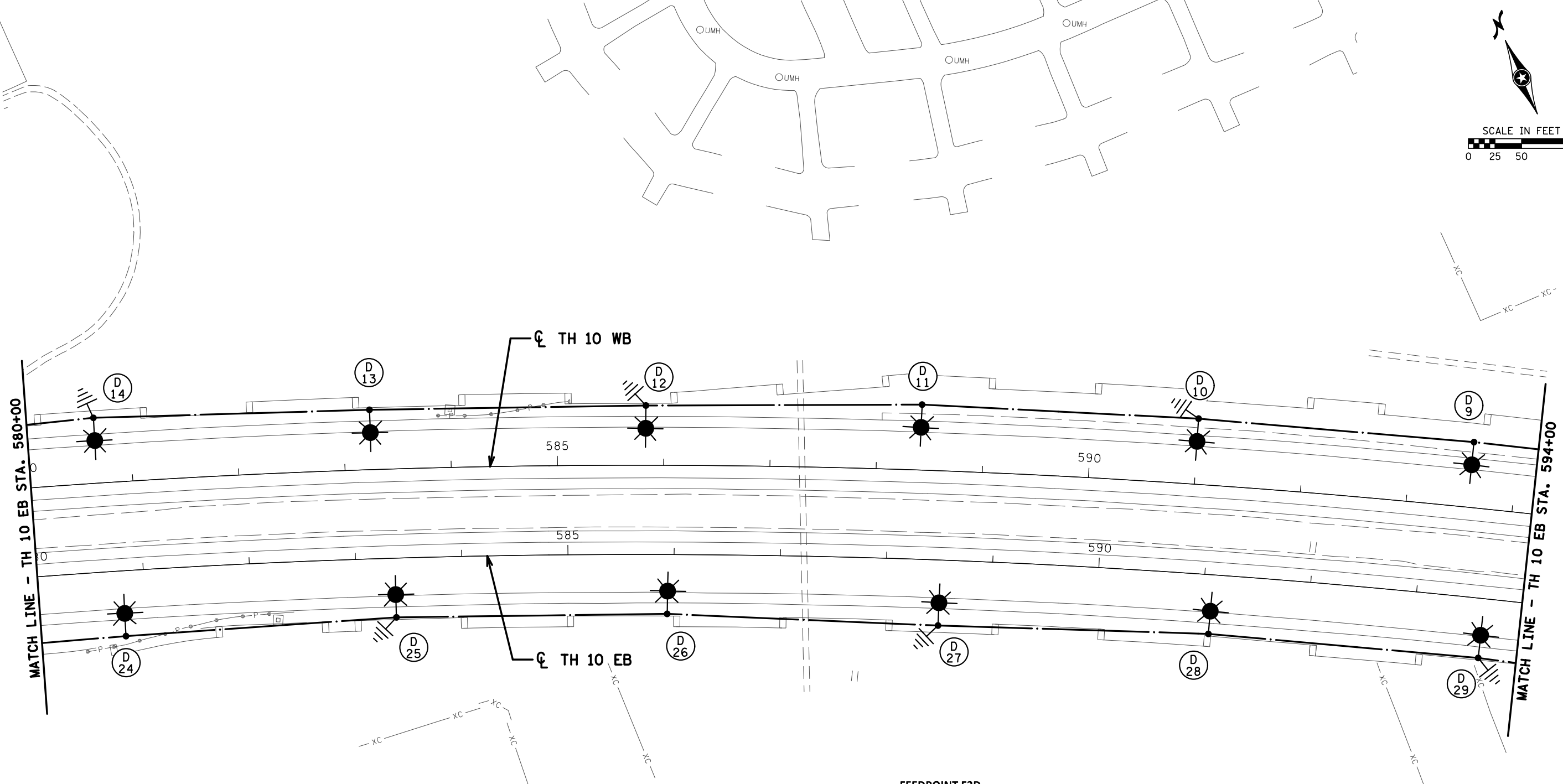
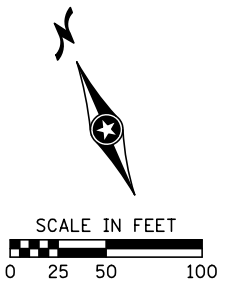
SIGNATURE: *Christopher J. Leiter*  
 PRINTED NAME: CHRISTOPHER J. LEITER  
 DATE: 1/16/2018 LIC. NO. 47889



**LIGHTING PLAN**  
 TH 10 EB STA. 565+50 TO STA. 580+00

STATE PROJ. NO. 0214-47 (TH 10)  
 Sheet No. 23 of 53 Sheets

DATE: 1/16/2018 TIME: 11:08:28 AM  
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**LEGEND**

- F&I LIGHTING UNIT WITH LED LUMINAIRE
- PROPOSED LIGHT POLE NUMBER
- F&I DIRECT BURIED LIGHTING CABLE 4/C #4
- 5/8' x 10' GROUND ROD

**FEEDPOINT F3D**

LIGHTING STANDARDS AND FOUNDATIONS					
NO.	STATION	LT	RT	LOCATION	TYPE
9	593+58	-	RT	TH 10 WB	9-49
10	591+00	-		TH 10 WB	9-49
11	588+41	-		TH 10 WB	9-49
12	585+83	-		TH 10 WB	9-49
13	583+25	-		TH 10 WB	9-49
14	580+67	-		TH 10 WB	9-49
24	580+84		-	TH 10 EB	9-49
25	583+37		-	TH 10 EB	9-49
26	585+94		-	TH 10 EB	9-49
27	588+51		-	TH 10 EB	9-49
28	591+07		-	TH 10 EB	9-49
29	593+64		-	TH 10 EB	9-49

DRAWN BY: JSB  
 CHECKED BY: CJL

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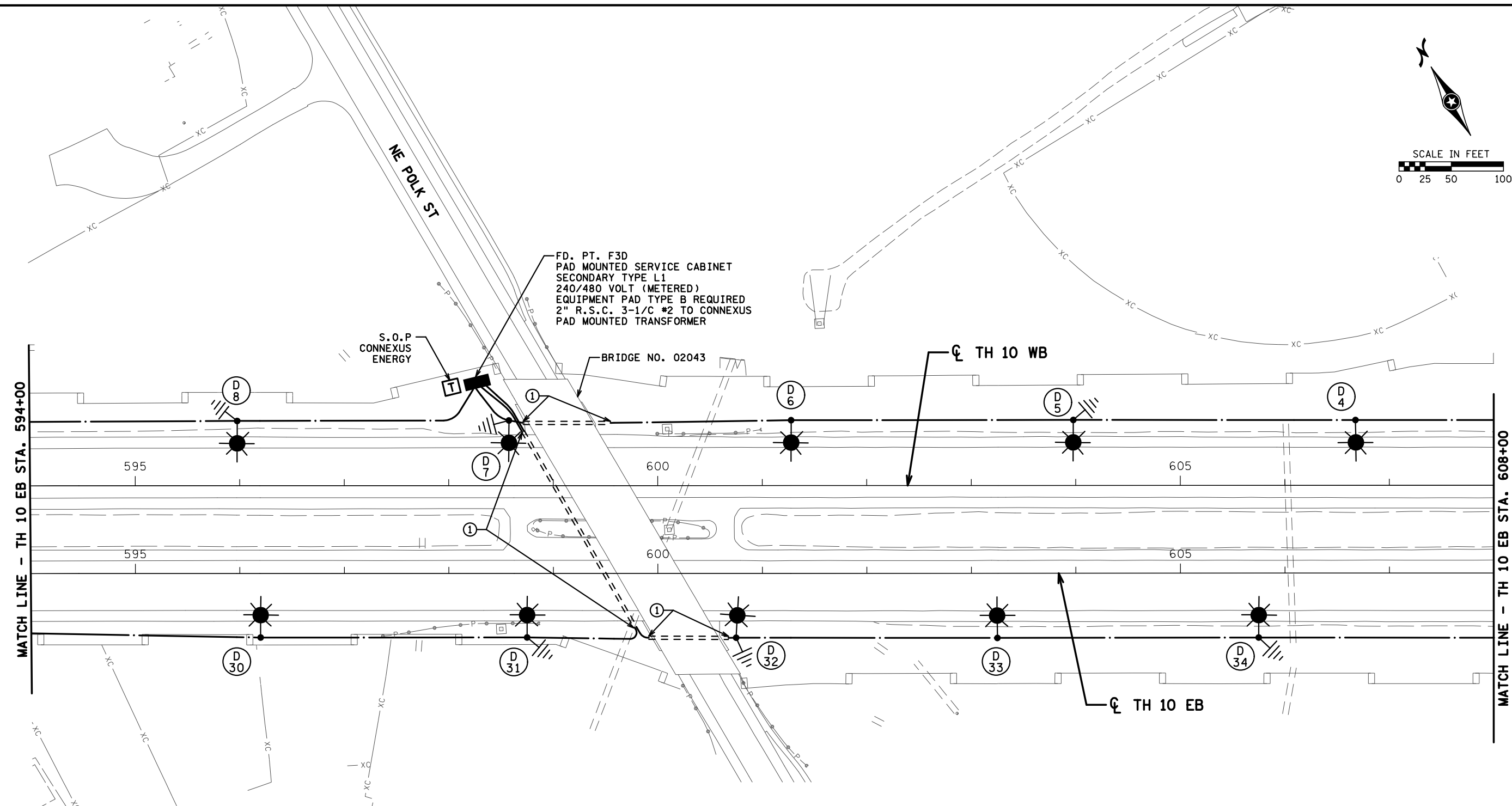
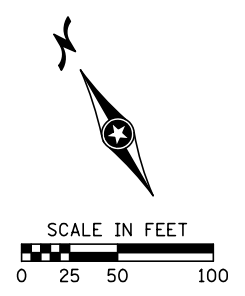
SIGNATURE: *Christopher J. Leiter*  
 PRINTED NAME: CHRISTOPHER J. LEITER  
 DATE: 1/16/2018 LIC. NO. 47889



**LIGHTING PLAN**  
 TH 10 EB STA. 580+00 TO STA. 594+00

STATE PROJ. NO. 0214-47 (TH 10)  
 Sheet No. 24 of 53 Sheets

DATE: 1/16/2018 TIME: 11:08:29 AM  
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**FEEDPOINT F3D**

LIGHTING STANDARDS AND FOUNDATIONS					
NO.	STATION	LT	RT	LOCATION	TYPE
4	606+68	-	-	TH 10 WB	9-49
5	603+98	-	-	TH 10 WB	9-49
6	601+28	-	-	TH 10 WB	9-49
7	598+58	-	-	TH 10 WB	9-49
8	595+98	-	-	TH 10 WB	9-49
30	596+20	-	-	TH 10 EB	9-49
31	598+75	-	-	TH 10 EB	9-49
32	600+75	-	-	TH 10 EB	9-49
33	603+25	-	-	TH 10 EB	9-49
34	605+75	-	-	TH 10 EB	9-49

**SPECIFIC NOTES:**

- ① DIRECTIONAL BORE 3" NON-METALLIC CONDUIT UNDER ROADWAY.

**LEGEND**

INPLACE POWER POLE	F&I LIGHTING UNIT WITH LED LUMINAIRE
F&I PAD MOUNTED SERVICE CABINET	PROPOSED LIGHT POLE NUMBER
5/8' x 10' GROUND ROD	F&I DIRECT BURIED LIGHTING CABLE 4/C #4
PAD MOUNTED TRANSFORMER	F&I CONDUIT

DRAWN BY: JSB  
 CHECKED BY: CJL

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SIGNATURE: *Christopher J. Leiter*  
 PRINTED NAME: CHRISTOPHER J. LEITER  
 DATE: 1/16/2018 LIC. NO. 47889



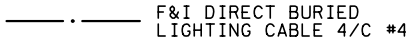
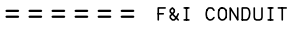
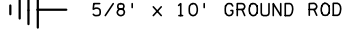



**LIGHTING PLAN**  
 TH 10 EB STA. 594+00 TO STA. 608+00

STATE PROJ. NO. 0214-47 (TH 10)  
 Sheet No. 25 of 53 Sheets

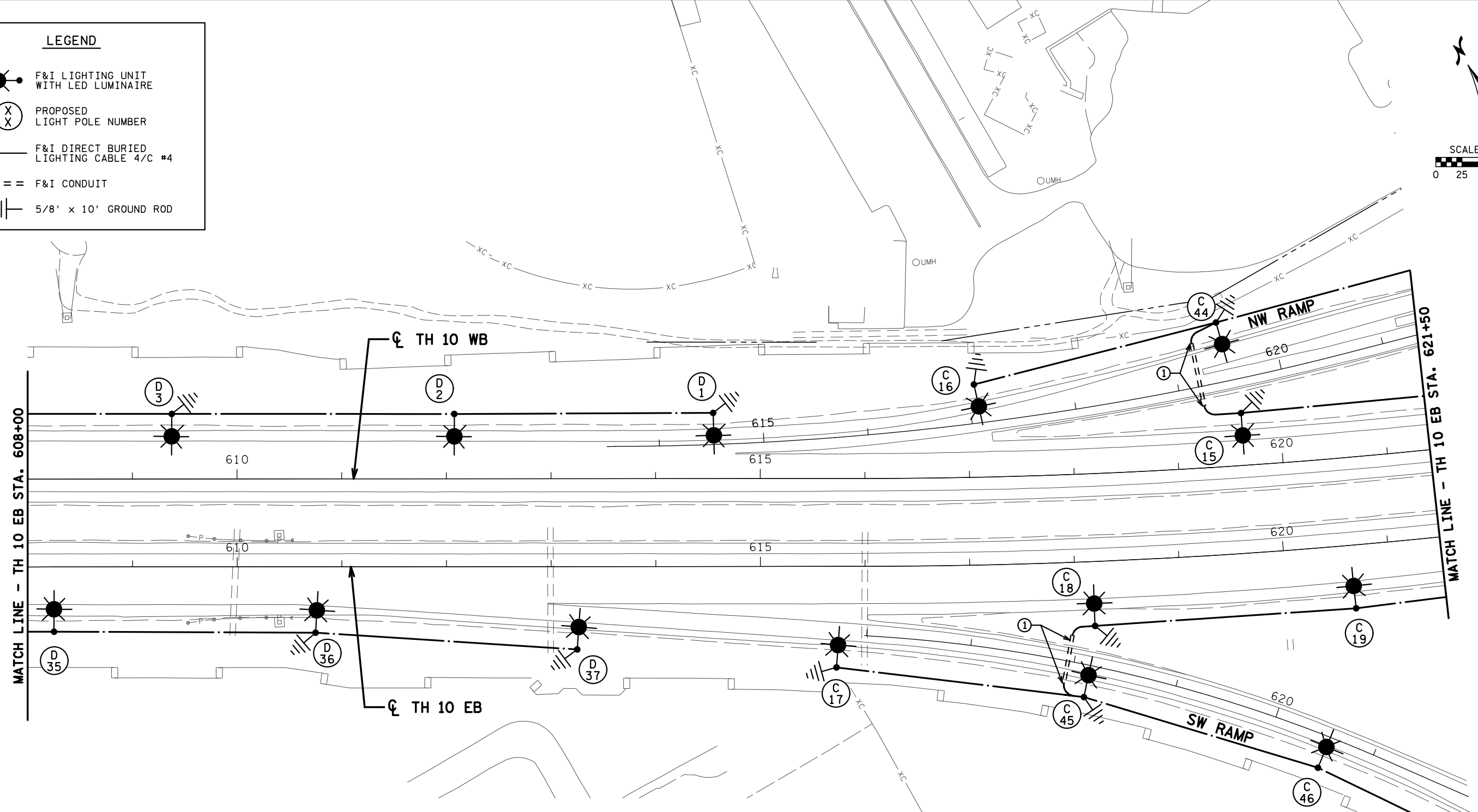
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**LEGEND**

-  F&I LIGHTING UNIT WITH LED LUMINAIRE
-  PROPOSED LIGHT POLE NUMBER
-  F&I DIRECT BURIED LIGHTING CABLE 4/C #4
-  F&I CONDUIT
-  5/8' x 10' GROUND ROD



SCALE IN FEET  
 0 25 50 100



**FEEDPOINT F3D**

LIGHTING STANDARDS AND FOUNDATIONS					
NO.	STATION	LT	RT	LOCATION	TYPE
1	614+55	-		TH 10 WB	9-49
2	612+08	-		TH 10 WB	9-49
3	609+38	-		TH 10 WB	9-49
35	608+25	-	-	TH 10 EB	9-49
36	610+75	-	-	TH 10 EB	9-49
37	613+25	-	-	TH 10 EB	9-49

**FEEDPOINT F3C**

LIGHTING STANDARDS AND FOUNDATIONS					
NO.	STATION	LT	RT	LOCATION	TYPE
15	620+63	-		TH 10 WB	9-49
16	617+06	-		TH 10 WB	9-49
17	615+73		-	TH 10 EB	9-49
18	618+17		-	TH 10 EB	9-49
19	620+65		-	TH 10 EB	9-49
*44	619+52	-		NW RAMP	9-40
*45	618+18		-	SW RAMP	9-40
*46	620+57		-	SW RAMP	9-40

\* INSTALL SALVAGED LUMINAIRE

**SPECIFIC NOTES:**  
 ① DIRECTIONAL BORE 3" NON-METALLIC CONDUIT UNDER ROADWAY.

DRAWN BY: JSB  
 CHECKED BY: CJL

I HEREBY CERTIFY THAT THIS SHEET WAS PREPARED BY ME OR UNDER MY DIRECT SUPERVISION AND THAT I AM A DULY LICENSED PROFESSIONAL ENGINEER UNDER THE LAWS OF THE STATE OF MINNESOTA.

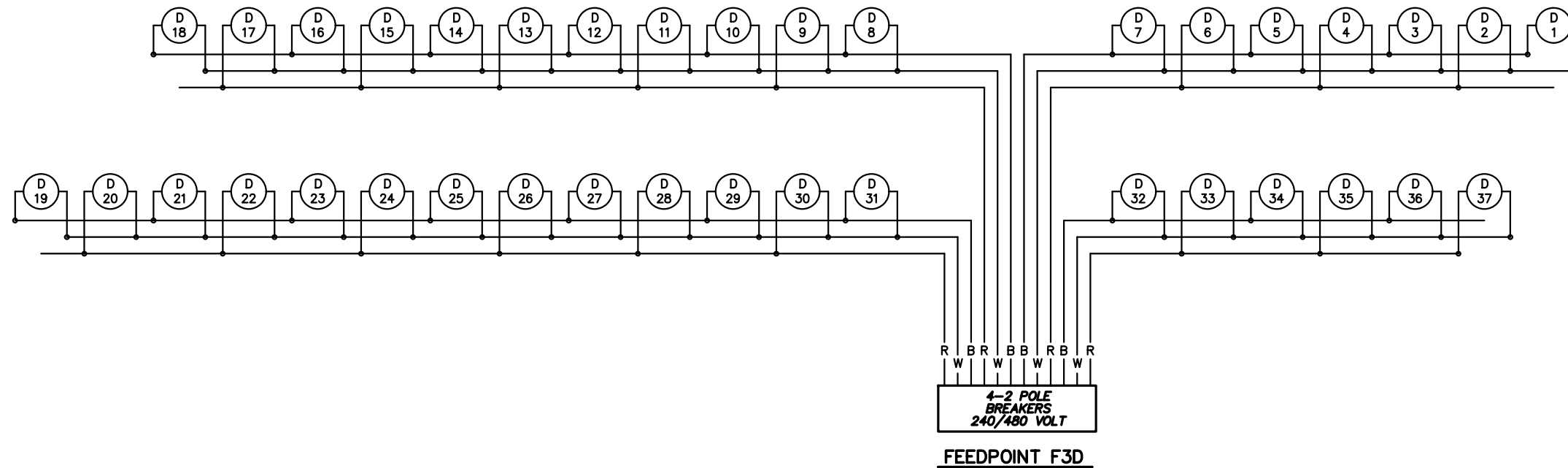
SIGNATURE: *Christopher J. Leiter*  
 PRINTED NAME: CHRISTOPHER J. LEITER  
 DATE: 1/16/2018 LIC. NO. 47889



**LIGHTING PLAN**  
 TH 10 EB STA. 608+00 TO STA. 621+50

STATE PROJ. NO. 0214-47 (TH 10)  
 Sheet No. 26 of 53 Sheets

DATE: 1/16/2018 TIME: 11:08:40 AM  
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B AND R DENOTE CURRENT CARRYING CONDUCTORS  
W DENOTES NEUTRAL CONDUCTOR  
GROUND NOT SHOWN FOR CLARITY

DRAWN BY: LKG  
CHECKED BY: CJL

I HEREBY CERTIFY THAT THIS SHEET WAS PREPARED BY ME OR UNDER MY DIRECT SUPERVISION AND THAT I AM A DULY LICENSED PROFESSIONAL ENGINEER UNDER THE LAWS OF THE STATE OF MINNESOTA.

SIGNATURE: *Christopher J. Leiter*  
PRINTED NAME: CHRISTOPHER J. LEITER  
DATE: 1/16/2018 LIC. NO. 47889



WIRING DIAGRAM  
FEEDPOINT F3D

STATE PROJ. NO. 0214-47 (TH 10)  
Sheet No. 38 of 53 Sheets