


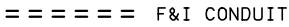
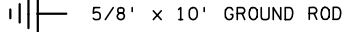



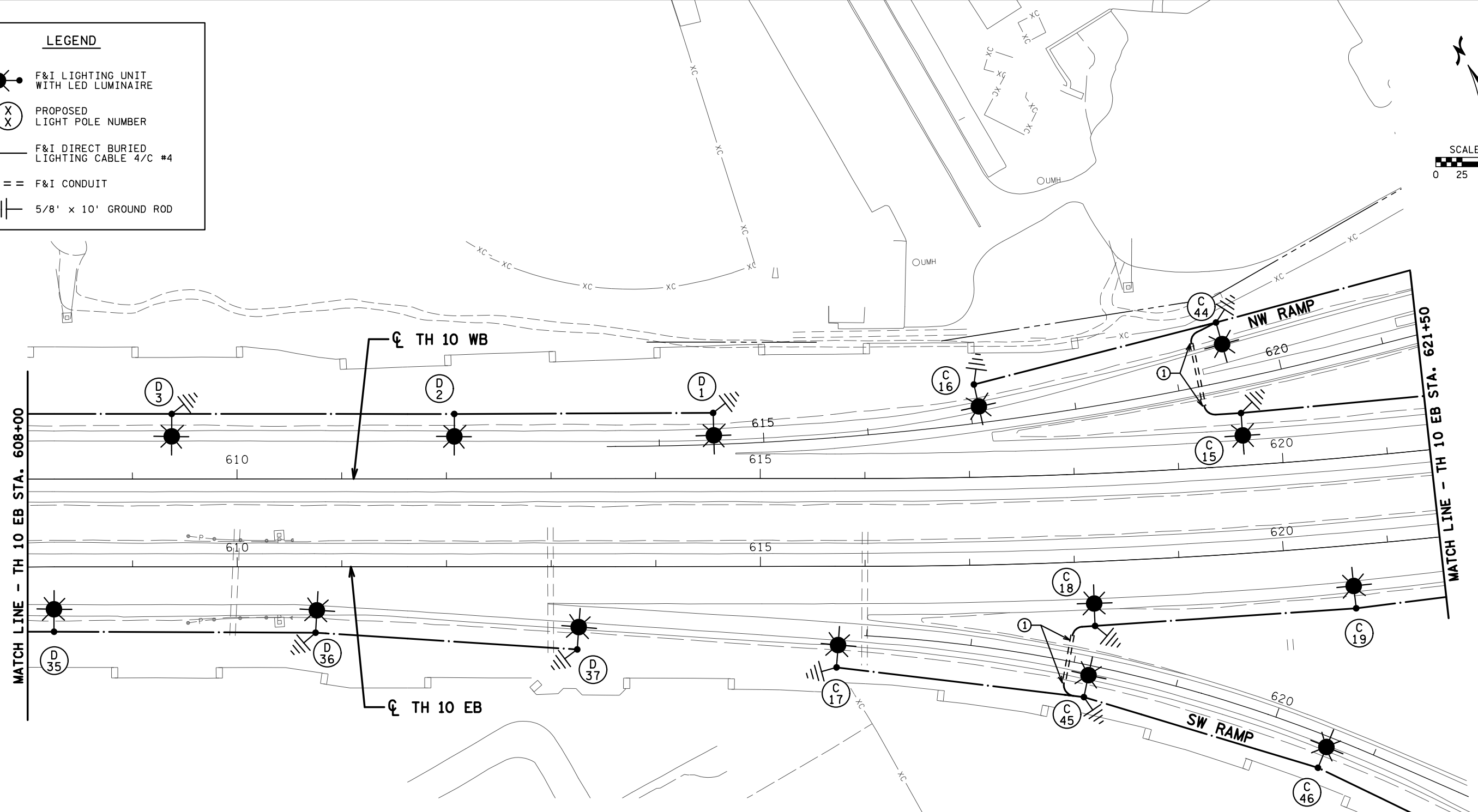
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LEGEND

-  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.

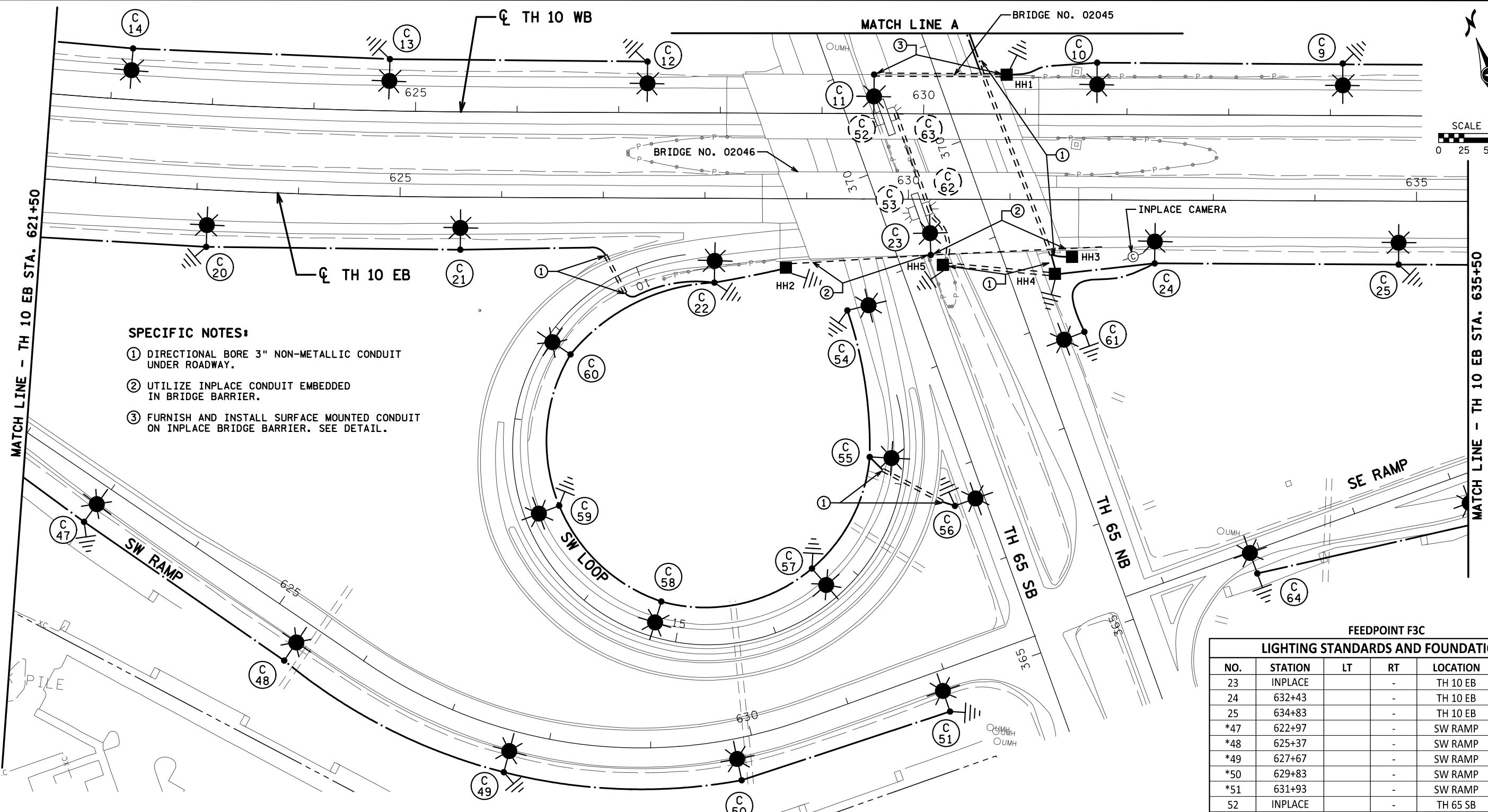
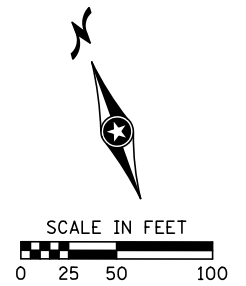
SIGNATURE: *Christopher J. Leiter*
 PRINTED NAME: CHRISTOPHER J. LEITER
 DATE: 1/16/2018 LIC. NO. 47889



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: 11:08:31 AM
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- SPECIFIC NOTES:**
- ① DIRECTIONAL BORE 3" NON-METALLIC CONDUIT UNDER ROADWAY.
 - ② UTILIZE INPLACE CONDUIT EMBEDDED IN BRIDGE BARRIER.
 - ③ FURNISH AND INSTALL SURFACE MOUNTED CONDUIT ON INPLACE BRIDGE BARRIER. SEE DETAIL.

LEGEND

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

FEEDPOINT F3C

LIGHTING STANDARDS AND FOUNDATIONS					
NO.	STATION	LT	RT	LOCATION	TYPE
9	634+12	-	-	TH 10 WB	9-49
10	631+70	-	-	TH 10 WB	9-49
11	629+51	-	-	TH 10 WB	9B-49
12	627+28	-	-	TH 10 WB	9-49
13	624+73	-	-	TH 10 WB	9-49
14	622+18	-	-	TH 10 WB	9-49
20	623+12	-	-	TH 10 EB	9-49
21	625+60	-	-	TH 10 EB	9-49
22	628+10	-	-	TH 10 EB	9-49

FEEDPOINT F3C

LIGHTING STANDARDS AND FOUNDATIONS					
NO.	STATION	LT	RT	LOCATION	TYPE
23	INPLACE	-	-	TH 10 EB	9B-49
24	632+43	-	-	TH 10 EB	9-49
25	634+83	-	-	TH 10 EB	9-49
*47	622+97	-	-	SW RAMP	9-40
*48	625+37	-	-	SW RAMP	9-40
*49	627+67	-	-	SW RAMP	9-40
*50	629+83	-	-	SW RAMP	9-40
*51	631+93	-	-	SW RAMP	9-40
52	INPLACE	-	-	TH 65 SB	L
53	INPLACE	-	-	TH 65 SB	L
*54	368+82	-	-	TH 65 SB	9-40
*55	18+25	-	-	SW LOOP	9-40
*56	366+64	-	-	TH 65 SB	9-40
*57	16+70	-	-	SW LOOP	9-40
*58	14+75	-	-	SW LOOP	9-40
*59	13+00	-	-	SW LOOP	9-40
*60	11+15	-	-	SW LOOP	9-40
*61	367+82	-	-	TH 65 NB	9-40
62	INPLACE	-	-	TH 65 NB	L
63	INPLACE	-	-	TH 65 NB	L
64	631+91	-	-	SE RAMP	9-40

* INSTALL SALVAGED LUMINAIRE

DRAWN BY: JSB
 CHECKED BY: CJL

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SIGNATURE: *Christopher J. Leiter*
 PRINTED NAME: CHRISTOPHER J. LEITER
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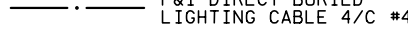
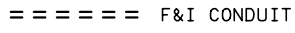

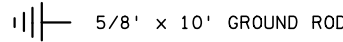


LIGHTING PLAN
 TH 10 EB STA. 621+50 TO STA. 635+50

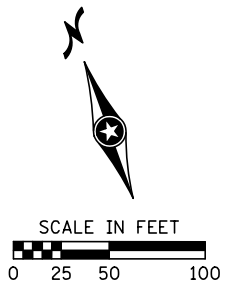
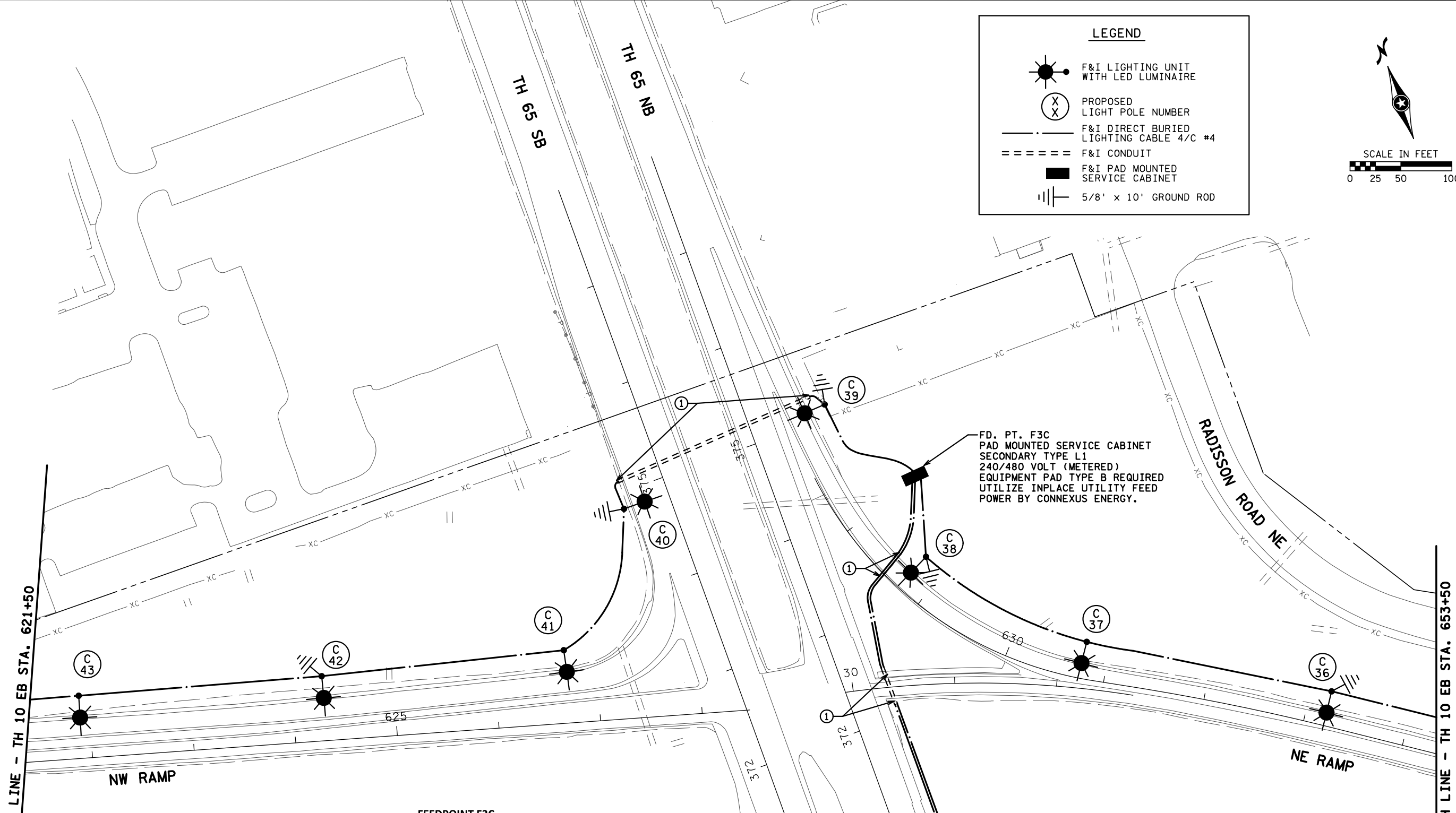
STATE PROJ. NO. 0214-47 (TH 10)
 Sheet No. 27 of 53 Sheets

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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
-  F&I PAD MOUNTED SERVICE CABINET
-  5/8' x 10' GROUND ROD

SCALE IN FEET

FEEDPOINT F3C

LIGHTING STANDARDS AND FOUNDATIONS					
NO.	STATION	LT	RT	LOCATION	TYPE
*36	633+21	-		NE RAMP	9-40
*37	630+76	-		NE RAMP	9-40
*38	628+77	-		NE RAMP	9-40
*39	375+13	-	-	TH 65 NB	9-40
*40	374+84	-		TH 65 SB	9-40
*41	626+72	-		NW RAMP	9-40
*42	624+33	-		NW RAMP	9-40
*43	621+94	-		NW RAMP	9-40

* INSTALL SALVAGED LUMINAIRE

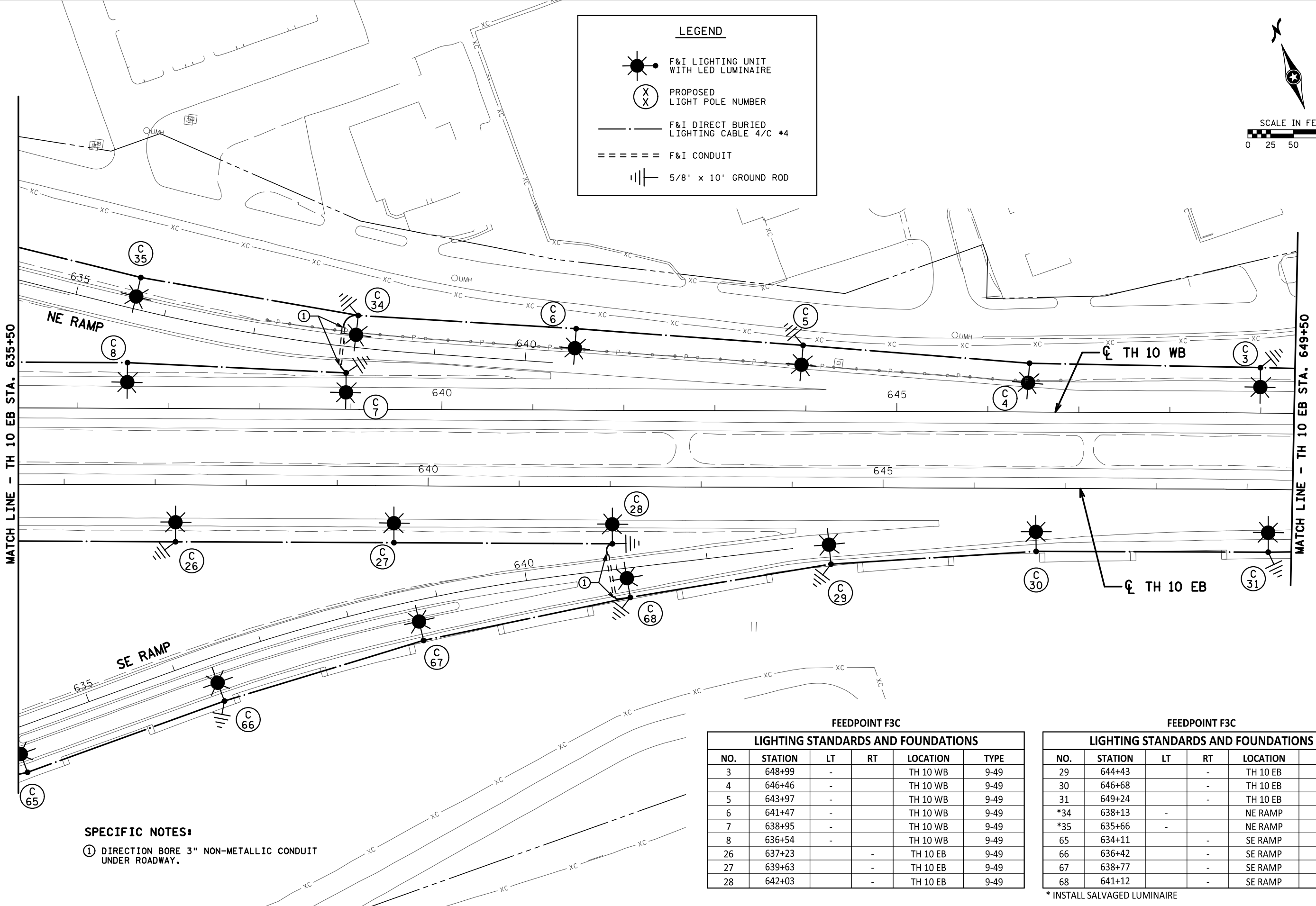
SPECIFIC NOTES:
 ① DIRECTIONAL BORE 3" NON-METALLIC CONDUIT UNDER ROADWAY.

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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



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

FEEDPOINT F3C

LIGHTING STANDARDS AND FOUNDATIONS					
NO.	STATION	LT	RT	LOCATION	TYPE
3	648+99	-	-	TH 10 WB	9-49
4	646+46	-	-	TH 10 WB	9-49
5	643+97	-	-	TH 10 WB	9-49
6	641+47	-	-	TH 10 WB	9-49
7	638+95	-	-	TH 10 WB	9-49
8	636+54	-	-	TH 10 WB	9-49
26	637+23	-	-	TH 10 EB	9-49
27	639+63	-	-	TH 10 EB	9-49
28	642+03	-	-	TH 10 EB	9-49

FEEDPOINT F3C

LIGHTING STANDARDS AND FOUNDATIONS					
NO.	STATION	LT	RT	LOCATION	TYPE
29	644+43	-	-	TH 10 EB	9-49
30	646+68	-	-	TH 10 EB	9-49
31	649+24	-	-	TH 10 EB	9-49
*34	638+13	-	-	NE RAMP	9-40
*35	635+66	-	-	NE RAMP	9-40
65	634+11	-	-	SE RAMP	9-40
66	636+42	-	-	SE RAMP	9-40
67	638+77	-	-	SE RAMP	9-40
68	641+12	-	-	SE RAMP	9-40

* INSTALL SALVAGED LUMINAIRE

DRAWN BY: JSB
 CHECKED BY: CJL

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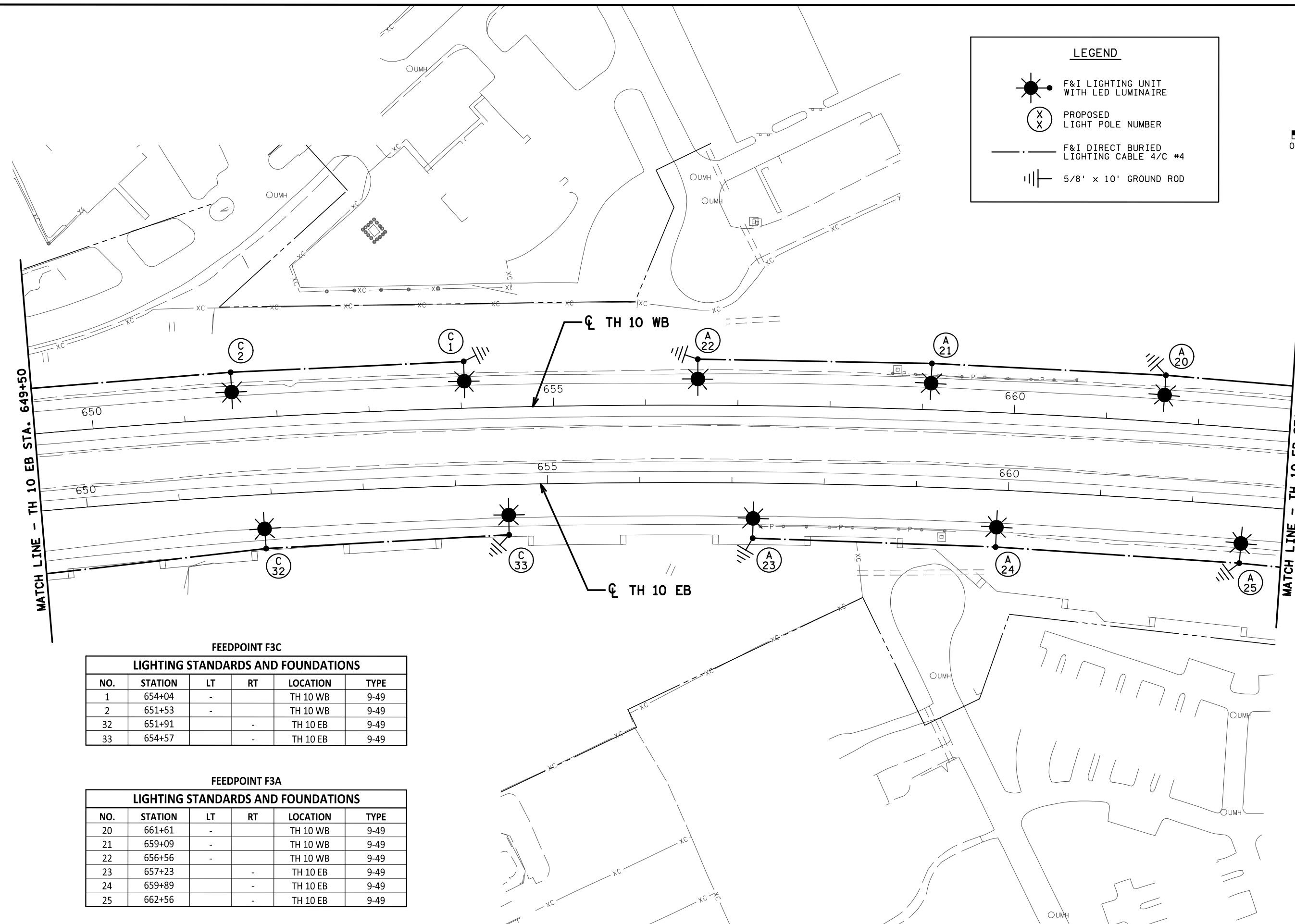
SIGNATURE: *Christopher J. Leiter*
 PRINTED NAME: CHRISTOPHER J. LEITER
 DATE: 1/16/2018 LIC. NO. 47889



LIGHTING PLAN
 TH 10 EB STA. 635+50 TO STA. 649+50

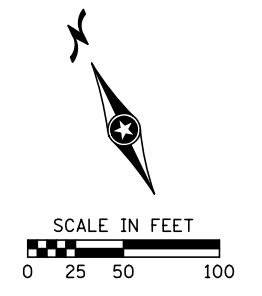
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DATE: 1/16/2018 TIME: 11:08:33 AM
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LEGEND

- 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 F3C

LIGHTING STANDARDS AND FOUNDATIONS					
NO.	STATION	LT	RT	LOCATION	TYPE
1	654+04	-		TH 10 WB	9-49
2	651+53	-		TH 10 WB	9-49
32	651+91		-	TH 10 EB	9-49
33	654+57		-	TH 10 EB	9-49

FEEDPOINT F3A

LIGHTING STANDARDS AND FOUNDATIONS					
NO.	STATION	LT	RT	LOCATION	TYPE
20	661+61	-		TH 10 WB	9-49
21	659+09	-		TH 10 WB	9-49
22	656+56	-		TH 10 WB	9-49
23	657+23		-	TH 10 EB	9-49
24	659+89		-	TH 10 EB	9-49
25	662+56		-	TH 10 EB	9-49

DRAWN BY: JSB
 CHECKED BY: CJL

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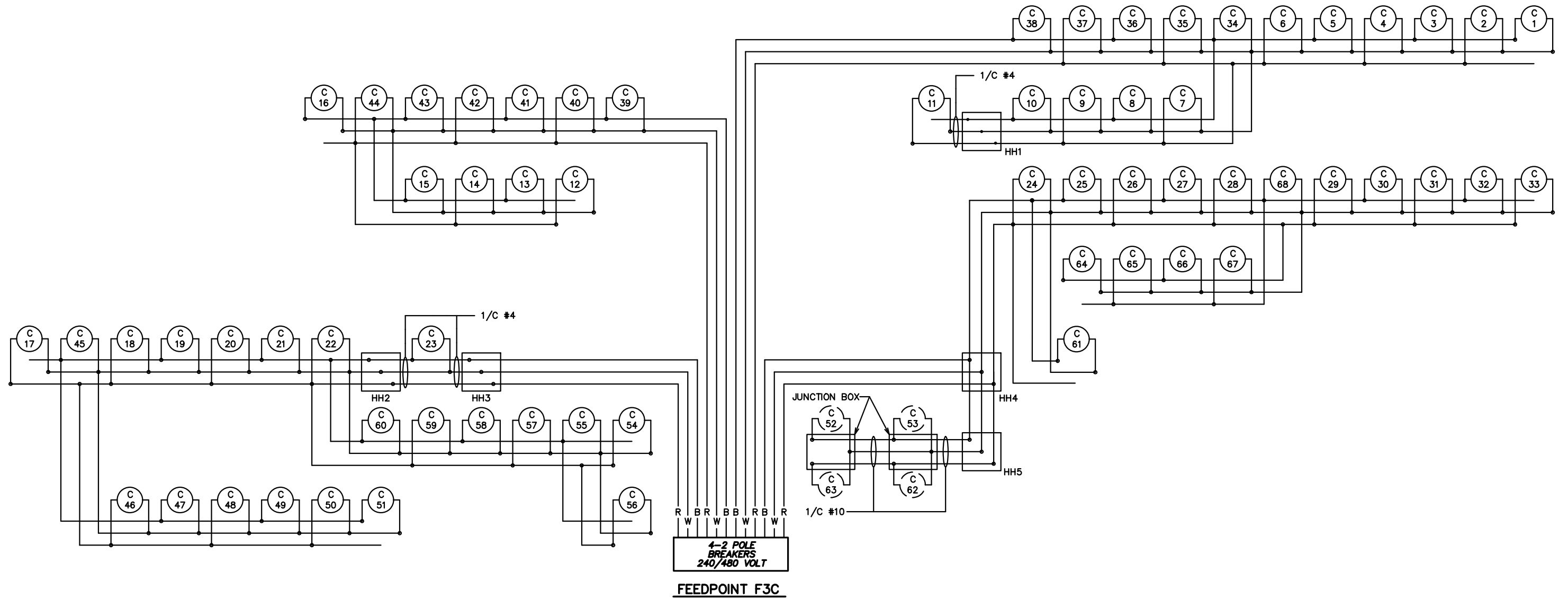
SIGNATURE: *Christopher J. Leiter*
 PRINTED NAME: CHRISTOPHER J. LEITER
 DATE: 1/16/2018 LIC. NO. 47889



LIGHTING PLAN
 TH 10 EB STA. 649+50 TO STA. 663+00

STATE PROJ. NO. 0214-47 (TH 10)
 Sheet No. 30 of 53 Sheets

DATE: 1/16/2018 TIME: 11:08:39 AM
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B AND R DENOTE CURRENT CARRYING CONDUCTORS
 W DENOTES NEUTRAL CONDUCTOR
 GROUND NOT SHOWN FOR CLARITY
 DASHED LINES INDICATE INPLACE ITEMS TO REMAIN

DRAWN BY: LKG
 CHECKED BY: CJL

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 PRINTED NAME: CHRISTOPHER J. LEITER
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WIRING DIAGRAM
 FEEDPOINT F3C

STATE PROJ. NO. 0214-47 (TH 10)
 Sheet No. 37 of 53 Sheets