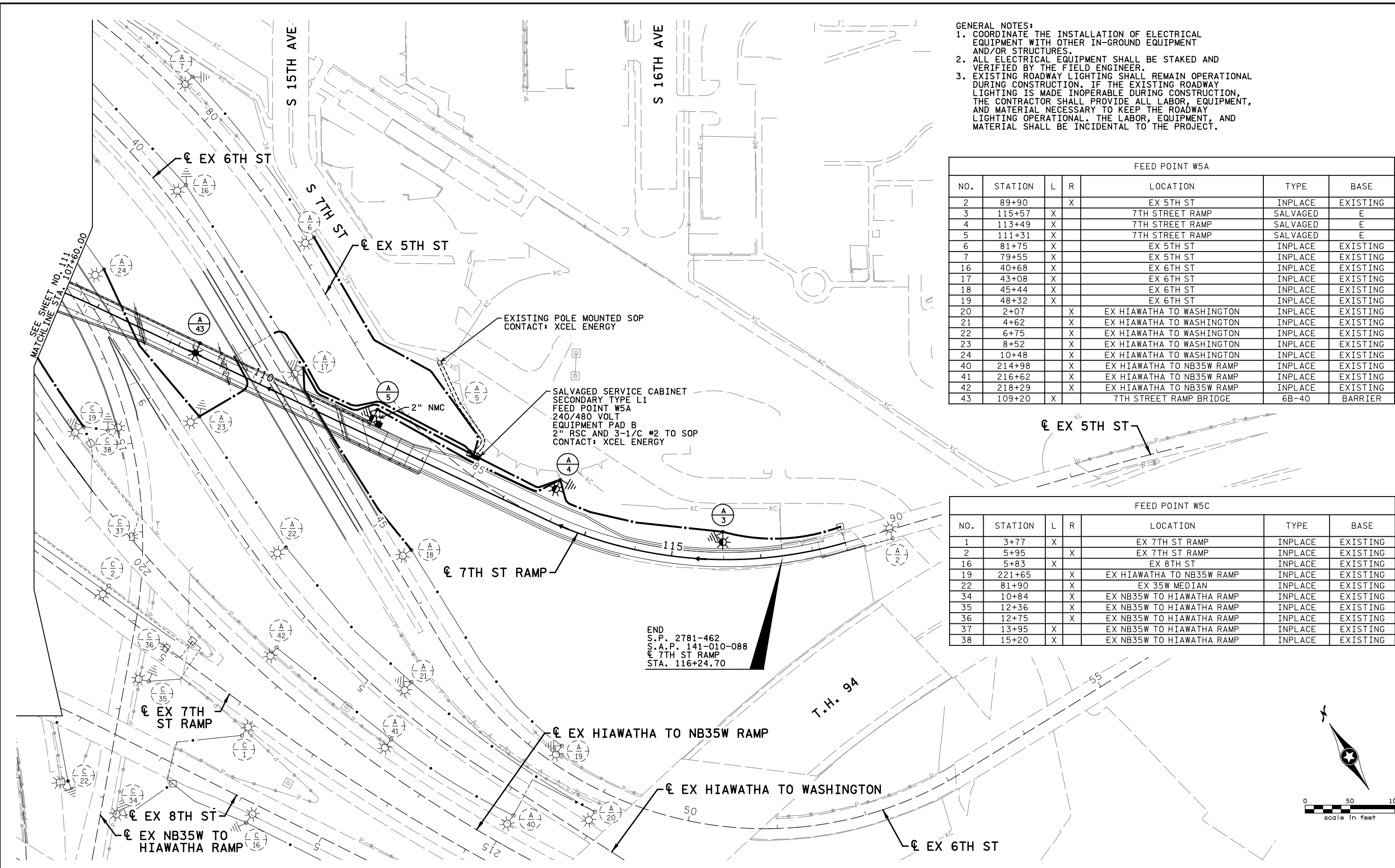


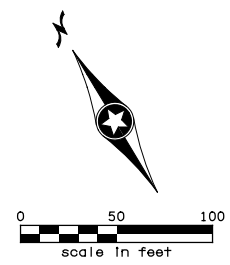
- GENERAL NOTES:
- COORDINATE THE INSTALLATION OF ELECTRICAL EQUIPMENT WITH OTHER IN-GROUND EQUIPMENT AND/OR STRUCTURES.
  - ALL ELECTRICAL EQUIPMENT SHALL BE STAKED AND VERIFIED BY THE FIELD ENGINEER.
  - EXISTING ROADWAY LIGHTING SHALL REMAIN OPERATIONAL DURING CONSTRUCTION. IF THE EXISTING ROADWAY LIGHTING IS MADE INOPERABLE DURING CONSTRUCTION, THE CONTRACTOR SHALL PROVIDE ALL LABOR, EQUIPMENT, AND MATERIAL NECESSARY TO KEEP THE ROADWAY LIGHTING OPERATIONAL. THE LABOR, EQUIPMENT, AND MATERIAL SHALL BE INCIDENTAL TO THE PROJECT.

FEED POINT W5A						
NO.	STATION	L	R	LOCATION	TYPE	BASE
2	89+90		X	EX 5TH ST	INPLACE	EXISTING
3	115+57	X		7TH STREET RAMP	SALVAGED	E
4	113+49	X		7TH STREET RAMP	SALVAGED	E
5	111+31	X		7TH STREET RAMP	SALVAGED	E
6	81+75	X		EX 5TH ST	INPLACE	EXISTING
7	79+55	X		EX 5TH ST	INPLACE	EXISTING
16	40+68	X		EX 6TH ST	INPLACE	EXISTING
17	43+08	X		EX 6TH ST	INPLACE	EXISTING
18	45+44	X		EX 6TH ST	INPLACE	EXISTING
19	48+32	X		EX 6TH ST	INPLACE	EXISTING
20	2+07		X	EX HIAWATHA TO WASHINGTON	INPLACE	EXISTING
21	4+62	X		EX HIAWATHA TO WASHINGTON	INPLACE	EXISTING
22	6+75	X		EX HIAWATHA TO WASHINGTON	INPLACE	EXISTING
23	8+52	X		EX HIAWATHA TO WASHINGTON	INPLACE	EXISTING
24	10+48	X		EX HIAWATHA TO WASHINGTON	INPLACE	EXISTING
40	214+98	X		EX HIAWATHA TO NB35W RAMP	INPLACE	EXISTING
41	216+62	X		EX HIAWATHA TO NB35W RAMP	INPLACE	EXISTING
42	218+29	X		EX HIAWATHA TO NB35W RAMP	INPLACE	EXISTING
43	109+20	X		7TH STREET RAMP BRIDGE	6B-40	BARRIER

FEED POINT W5C						
NO.	STATION	L	R	LOCATION	TYPE	BASE
1	3+77	X		EX 7TH ST RAMP	INPLACE	EXISTING
2	5+95		X	EX 7TH ST RAMP	INPLACE	EXISTING
16	5+83	X		EX 8TH ST	INPLACE	EXISTING
19	221+65		X	EX HIAWATHA TO NB35W RAMP	INPLACE	EXISTING
22	81+90		X	EX 35W MEDIAN	INPLACE	EXISTING
34	10+84	X		EX NB35W TO HIAWATHA RAMP	INPLACE	EXISTING
35	12+36	X		EX NB35W TO HIAWATHA RAMP	INPLACE	EXISTING
36	12+75		X	EX NB35W TO HIAWATHA RAMP	INPLACE	EXISTING
37	13+95	X		EX NB35W TO HIAWATHA RAMP	INPLACE	EXISTING
38	15+20	X		EX NB35W TO HIAWATHA RAMP	INPLACE	EXISTING



END  
 S.P. 2781-462  
 S.A.P. 141-010-088  
 EX 7TH ST RAMP  
 STA. 116+24.70



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NO	DATE	BY	CKD	APPR	REVISION

I hereby certify that this plan, specification, or report 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.

Print Name: STEVE MCHENRY

*Steve Mchenry*

Date: 2-4-15 License #: 46710

STATE AID PROJECT NO. 141-010-088

STATE PROJECT NO. 2781-462

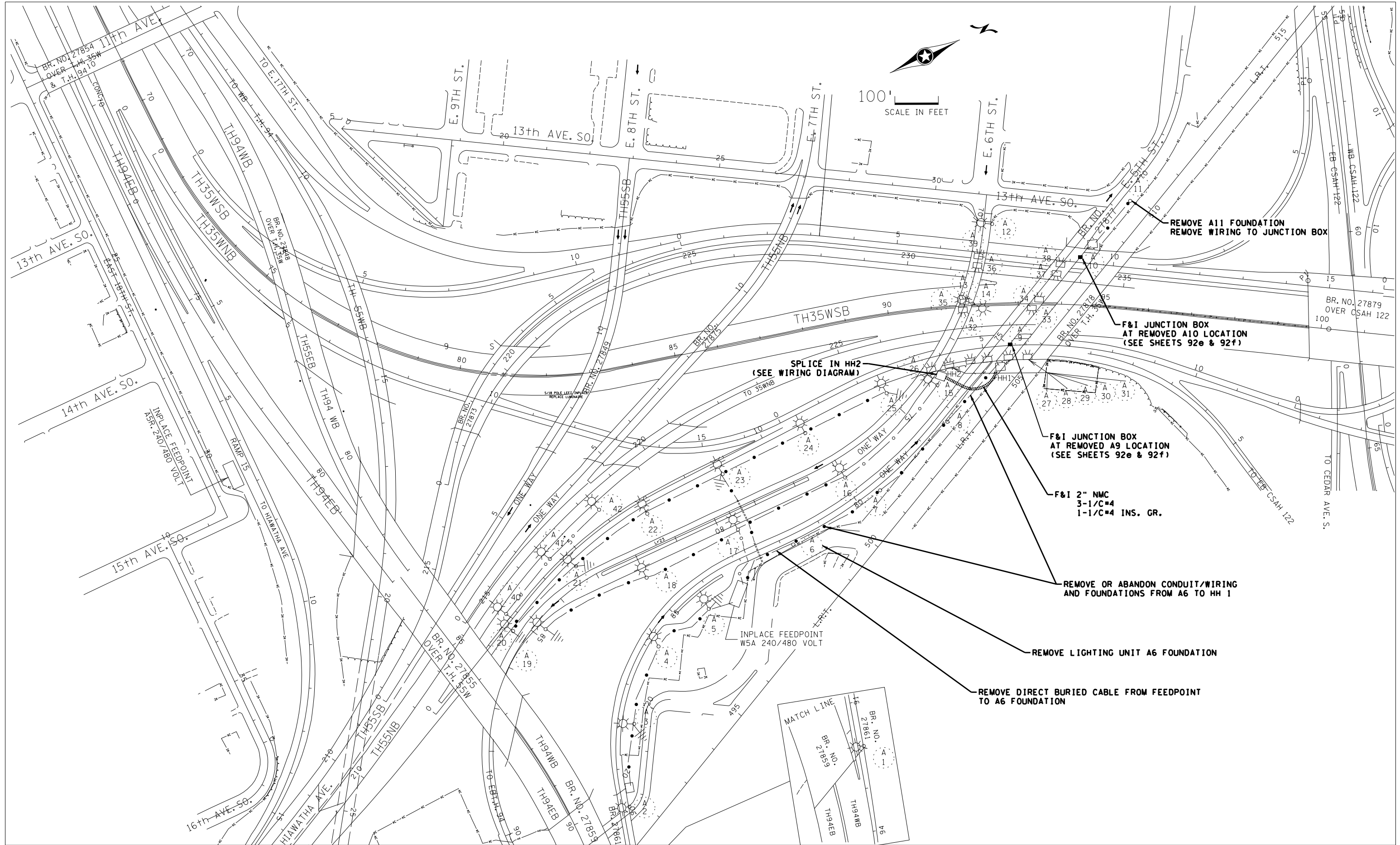
DRAWN BY T. RICHARDSON  
 DESIGNED BY T. RICHARDSON  
 CHECKED BY S. MCHENRY  
 COMM. NO. 8357



ENGINEERS  
 PLANNERS  
 DESIGNERS

CITY OF MINNEAPOLIS  
 LIGHTING PLANS AND DETAILS  
 T.H. 94 / 7TH STREET RAMP  
 S.P. 2781-462 (T.H. 94) / S.A.P. 141-010-088

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 OF  
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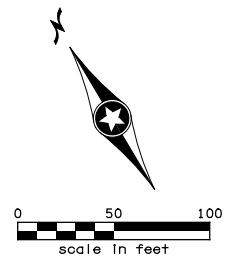
12224 NICOLLET AVENUE  
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 Phone: (952) 890-0509  
 Email: burns@bolton-menk.com  
 www.bolton-menk.com



**MINNEAPOLIS**  
 DEPARTMENT OF PUBLIC WORKS  
 Engineering Services

SAMATAR CROSSING  
 CITY OF MINNEAPOLIS  
 PROJECT NO. 9942

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 92a  
 OF  
 102  
 SHEETS



**GENERAL NOTES:**

- COORDINATE THE INSTALLATION OF ELECTRICAL EQUIPMENT WITH OTHER IN-GROUND EQUIPMENT AND/OR STRUCTURES.
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**NOTES:**

(A) LOCATE LIGHT FOUNDATION ABOVE POND HIGH WATER MARK. COORDINATE THE LOCATION WITH FIELD ENGINEER.

BEGIN S.A.P. 141-010-088  
 EX 7TH ST RAMP  
 STA. 93+00.00

EXISTING POLE MOUNTED SOP  
 EXISTING SERVICE CABINET  
 SECONDARY TYPE L1  
 FEED POINT W5C  
 240/480 VOLT  
 CONTACT: XCEL ENERGY

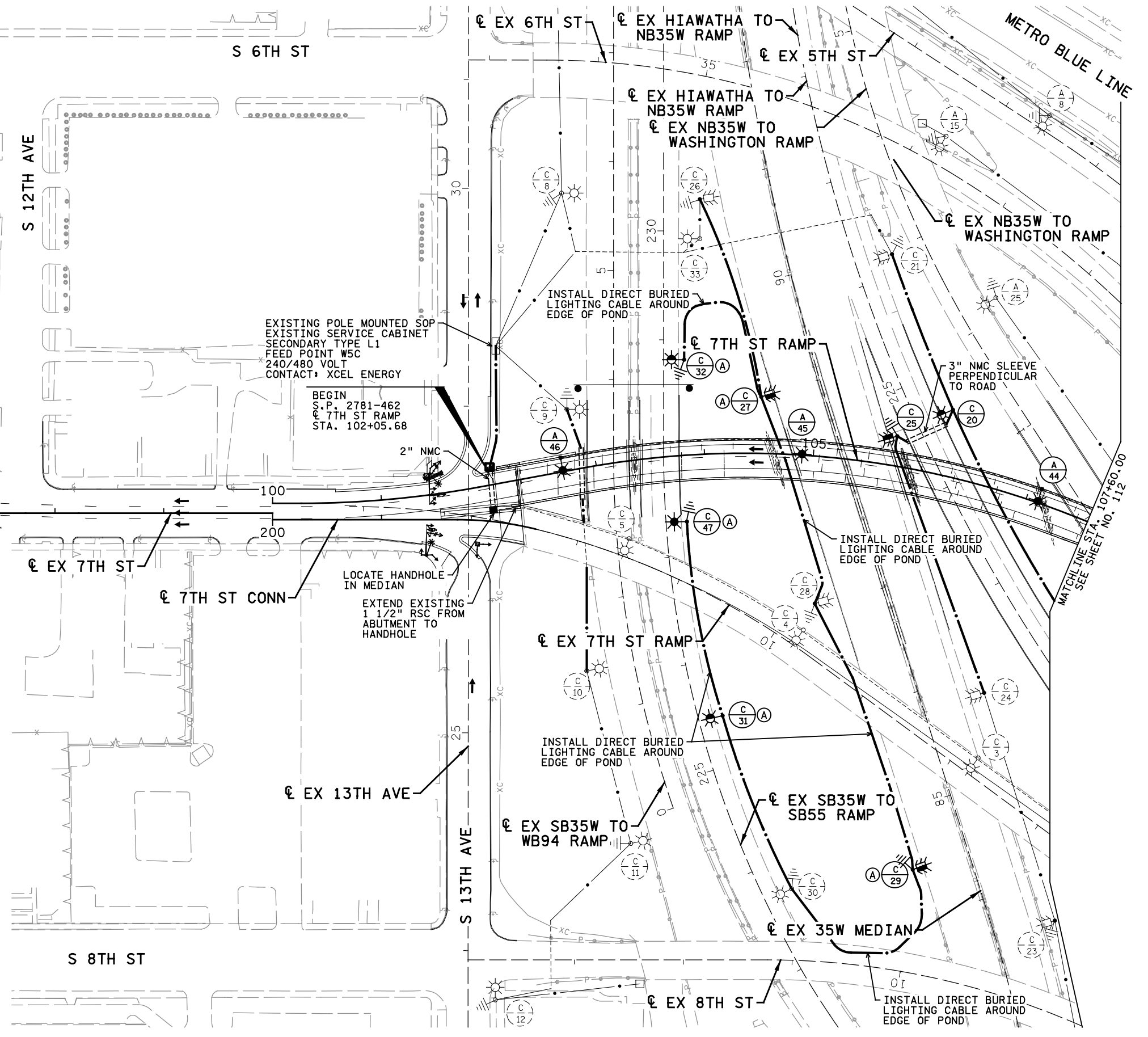
BEGIN  
 S.P. 2781-462  
 EX 7TH ST RAMP  
 STA. 102+05.68

FEED POINT W5A

NO.	STATION	L	R	LOCATION	TYPE	BASE
8	77+38	X		EX 5TH ST	INPLACE	EXISTING
15	37+22	X		EX 6TH ST	INPLACE	EXISTING
25	2+17		X	EX NB35W TO WASHINGTON RAMP	INPLACE	EXISTING
44	107+11	X		7TH STREET RAMP BRIDGE	6B-40	BARRIER
45	104+89	X		7TH STREET RAMP BRIDGE	6B-40	BARRIER
46	102+69	X		7TH STREET RAMP BRIDGE	6B-40	BARRIER

FEED POINT W5C

NO.	STATION	L	R	LOCATION	TYPE	BASE
3	7+81		X	EX 7TH ST RAMP	INPLACE	EXISTING
4	9+80		X	EX 7TH ST RAMP	INPLACE	EXISTING
5	11+56		X	EX 7TH ST RAMP	INPLACE	EXISTING
8	5+71	X		EX SB35W TO WB94 RAMP	INPLACE	EXISTING
9	3+72	X		EX SB35W TO WB94 RAMP	INPLACE	EXISTING
10	1+40	X		EX SB35W TO WB94 RAMP	INPLACE	EXISTING
11	NA	X		EX SB35W TO WB94 RAMP	INPLACE	EXISTING
12	13+73	X		EX 8TH ST	INPLACE	EXISTING
20	224+62		X	EX HIAWATHA TO NB35 RAMP	SALVAGED	E
21	226+20		X	EX HIAWATHA TO NB35 RAMP	INPLACE	EXISTING
23	83+62	X		EX 35W MEDIAN	INPLACE	EXISTING
24	85+80	X		EX 35W MEDIAN	INPLACE	EXISTING
25	88+29	X		EX 35W MEDIAN	SALVAGED	H
26	90+85	X		EX 35W MEDIAN	INPLACE	EXISTING
27	89+00	X		EX 35W MEDIAN	SALVAGED	H
28	87+05	X		EX 35W MEDIAN	INPLACE	EXISTING
29	84+45	X		EX 35W MEDIAN	SALVAGED	H
30	223+70		X	EX SB35W TO SB55 RAMP	INPLACE	EXISTING
31	225+46		X	EX SB35W TO SB55 RAMP	SALVAGED	E
32	228+82		X	EX SB35W TO SB55 RAMP	SALVAGED	E
33	229+93		X	EX SB35W TO SB55 RAMP	INPLACE	EXISTING
47	227+32		X	EX SB35W TO SB55 RAMP	9-40	E



I hereby certify that this plan, specification, or report 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.

Print Name: STEVE MCHENRY

Date: 2-4-15 License #: 46710

STATE AID PROJECT NO. 141-010-088

STATE PROJECT NO. 2781-462

COMM. NO. 8357

DRAWN BY T. RICHARDSON  
 DESIGNED BY T. RICHARDSON  
 CHECKED BY S. MCHENRY

**SRF** ENGINEERS PLANNERS DESIGNERS  
 Consulting Group, Inc.

CITY OF MINNEAPOLIS  
 LIGHTING PLANS AND DETAILS  
 T.H. 94 / 7TH STREET RAMP  
 S.P. 2781-462 (T.H. 94) / S.A.P. 141-010-088

SHEET 111 OF 174

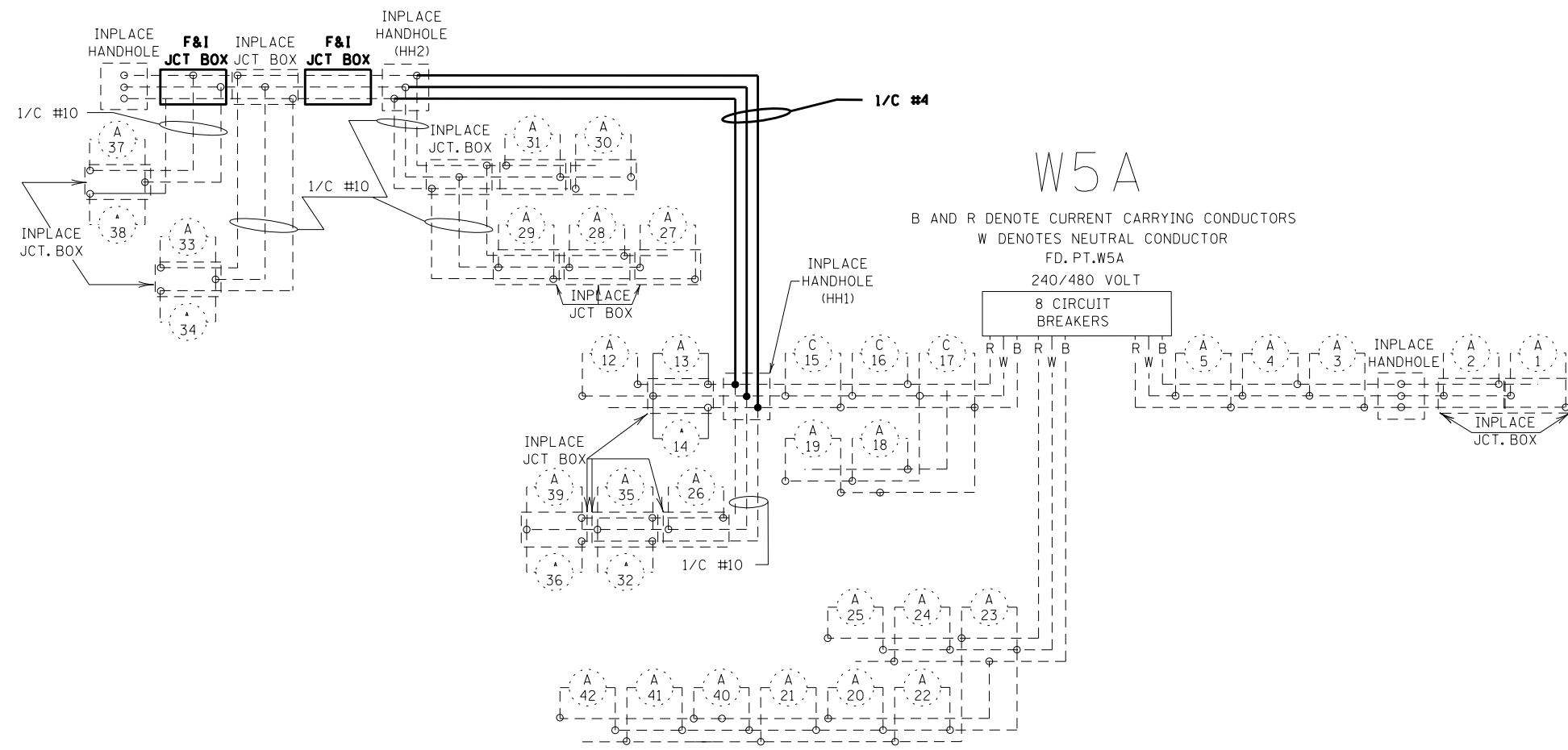
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NO	DATE	BY	CKD	APPR	REVISION

# FEEDPOINT W5A

## LIGHTING STANDARDS AND BASES

NO.	STA.	ALI	LT. RT.	LOCATION	TYPE	WATTAGE
1	92+05	LR23	---	5th ST RAMP	INP.	---
2	89+90	↑	---	↑	INP.	---
3	87+90	↓	---	↓	9-40	250
4	85+85	---	---	---	↑	↑
5	84+30	↓	---	↓	↑	↑
12	70+25	LR22	---	6th ST RAMP	INP.	---
13	72+10	↑	---	↑	6BD-40	250
14	74+10	---	---	---	INP.	---
16	76+90	---	---	---	INP.	---
17	79+60	---	---	---	INP.	---
18	82+00	↓	---	↓	INP.	---
19	84+80	LR22	---	6th ST RAMP	9-40	250
20	2+60	LR21	---	TH55NB RAMP	↑	↑
21	4+70	↑	---	↑	↑	↑
22	6+85	---	---	---	---	---
23	8+80	LR21	---	---	↓	↓
24	0+40	LC-DNB	---	---	↓	↓
25	2+55	↑	---	---	9-40	250
26	INPLACE	---	---	---	INP. L	---
27	↑	---	---	---	↑	---
28	---	---	---	---	---	---
29	---	---	---	---	---	---
30	↓	---	---	↓	---	---
31	---	LC-DNB	---	TH55NB RAMP	---	---
32	---	LMED35W	---	MED 35WNB	---	---
33	---	---	---	---	---	---
34	---	---	---	---	---	---
35	---	LMED35W	---	MED 35WNB	---	---
36	---	LHNB	---	MED 35WSB	---	---
37	---	LHNB	---	---	---	---
38	↓	LC-DSB	---	---	↓	---
39	INPLACE	LC-DSB	---	MED 35WSB	INP. L	---
40	215+00	LHNB	---	TH55NB RAMP	INP.	---
41	216+65	LHNB	---	TH55NB RAMP	INP.	---
42	218+30	LHNB	---	TH55NB RAMP	INP.	---



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