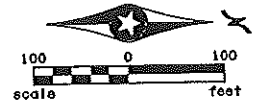


SEE SHEET NO.1324 FOR LEGEND



- NOTES:
- ALL CONDUIT SHALL BE 1 1/2" NMC (UNLESS OTHERWISE NOTED)
  - DIRECT BURIED CABLE SHALL BE ARMORED CABLE WITH 4-1/2" #4 CONDUCTORS.

- ALL DISTRIBUTION CABLE IN CONDUIT SHALL BE 3-1/2" #4 WITH 1-1/2" #4 GND (UNLESS OTHERWISE NOTED)
- CONNECTING INPLACE LIGHTING UNITS TO THE NEW LIGHTING CIRCUITS IS INCIDENTAL TO THE CONDUIT & WIRE.
- ABANDON ASSOCIATED EXISTING CONDUIT IN PLACE

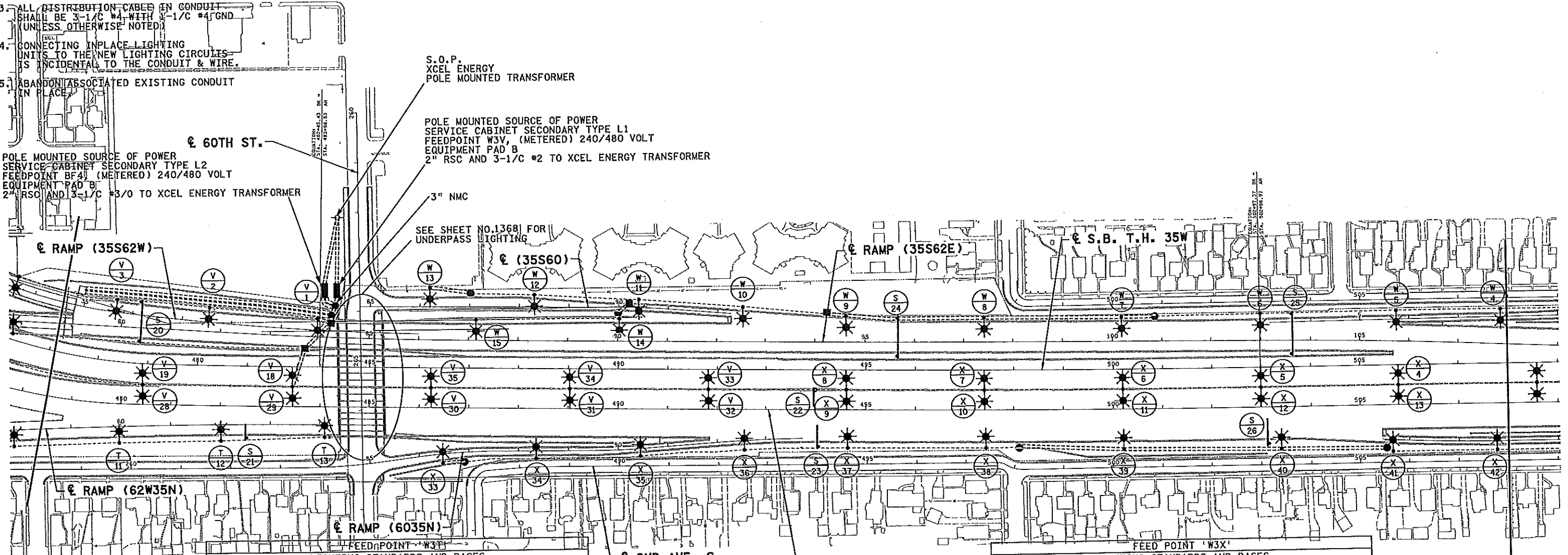
POLE MOUNTED SOURCE OF POWER SERVICE CABINET SECONDARY TYPE L2 FEEDPOINT BF4 (METERED) 240/480 VOLT EQUIPMENT PAD B 2" RSC AND 3-1/2" #3/0 TO XCEL ENERGY TRANSFORMER

S.O.P. XCEL ENERGY POLE MOUNTED TRANSFORMER

POLE MOUNTED SOURCE OF POWER SERVICE CABINET SECONDARY TYPE L1 FEEDPOINT W3V, (METERED) 240/480 VOLT EQUIPMENT PAD B 2" RSC AND 3-1/2" #2 TO XCEL ENERGY TRANSFORMER

3" NMC

SEE SHEET NO.1368 FOR UNDERPASS LIGHTING



LIGHTING STANDARDS AND BASES

NO.	STATION	LT.	RT.	LOCATION	TYPE	FIXTURE	BASE TYPE	POLE HEIGHT	WALL #
11	79 + 96	X		62W35N	9B-40	250 W	BAR	TYP	RW18
12	82 + 02	X		62W35N	9B-40	250 W	BAR	TYP	RW18
13	84 + 10	X		62W35N	9B-40	250 W	BAR	TYP	RW18

FEED POINT 'W3V'

LIGHTING STANDARDS AND BASES

NO.	STATION	LT.	RT.	LOCATION	TYPE	FIXTURE	BASE TYPE	POLE HEIGHT	WALL #
1	39 + 72	X		35S62W	9B-40	250 W	BAR	TYP	RW41
2	37 + 52	X		35S62W	9B-40	250 W	BAR	TYP	RW41
3	35 + 66	X		35S62W	9B-40	250 W	BAR	TYP	RW41
18	481 + 91	X		35W S.B.	9BD-49	400 W	MED	TYP	N/A
19	478 + 93	X		35W S.B.	9BD-49	400 W	MED	TYP	N/A
28	478 + 93	X		35W S.B.	9BD-49	400 W	MED	TYP	N/A
29	481 + 91	X		35W S.B.	9BD-49	400 W	MED	TYP	N/A
30	486 + 24	X		35W S.B.	9XBD-49	400 W	MED	TYP	N/A
31	489 + 03	X		35W N.B.	9XBD-49	400 W	MED	TYP	N/A
32	491 + 82	X		35W N.B.	9XBD-49	400 W	MED	TYP	N/A
33	491 + 82	X		35W N.B.	9XBD-49	400 W	MED	TYP	N/A
34	489 + 03	X		35W N.B.	9XBD-49	400 W	MED	TYP	N/A
35	486 + 24	X		35W S.B.	9XBD-49	400 W	MED	TYP	N/A

FEED POINT 'W3X'

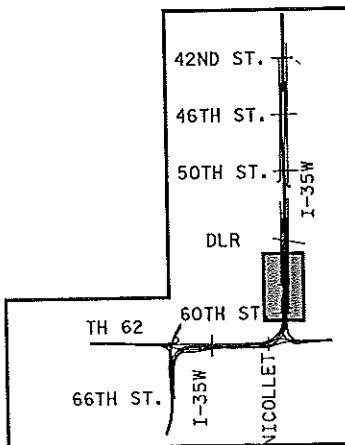
LIGHTING STANDARDS AND BASES

NO.	STATION	LT.	RT.	LOCATION	TYPE	FIXTURE	BASE TYPE	POLE HEIGHT	WALL #
4	7 + 85	X		DL35S	9XB-40	250 W	BAR	30'	RW36
5	5 + 74	X		DL35S	9XB-40	250 W	BAR	30'	RW36
6	102 + 99	X		35S62E	9XB-40	250 W	BAR	35'	RW36
7	100 + 19	X		35S62E	9X-40	250 W	E	TYP	N/A
8	97 + 41	X		35S62E	9X-40	250 W	E	TYP	N/A
9	94 + 62	X		35S62E	9X-40	250 W	E	TYP	N/A
10	92 + 53	X		35S62E	9XB-40	250 W	BAR	TYP	RW37
11	90 + 40	X		35S60	9XB-40	250 W	BAR	TYP	RW37
12	88 + 30	X		35S60	9XB-40	250 W	BAR	TYP	RW37
13	86 + 20	X		35S60	9X-40	250 W	E	TYP	N/A
14	90 + 03	X		35S62E	9XB-40	250 W	BAR	TYP	RW38
15	87 + 15	X		35S62E	9XB-40	250 W	BAR	TYP	RW38

FEED POINT 'W3X'

LIGHTING STANDARDS AND BASES

NO.	STATION	LT.	RT.	LOCATION	TYPE	FIXTURE	BASE TYPE	POLE HEIGHT	WALL #
4	505 + 78	X		35W N.B.	9XBD-49	400 W	MED	TYP	N/A
5	502 + 99	X		35W N.B.	9XBD-49	400 W	MED	TYP	N/A
6	500 + 20	X		35W N.B.	9XBD-49	400 W	MED	TYP	N/A
7	497 + 40	X		35W N.B.	9XBD-49	400 W	MED	TYP	N/A
8	494 + 61	X		35W N.B.	9XBD-49	400 W	MED	TYP	N/A
9	494 + 61	X		35W N.B.	9XBD-49	400 W	MED	TYP	N/A
10	497 + 40	X		35W N.B.	9XBD-49	400 W	MED	TYP	N/A
11	500 + 20	X		35W N.B.	9XBD-49	400 W	MED	TYP	N/A
12	502 + 99	X		35W N.B.	9XBD-49	400 W	MED	TYP	N/A
13	505 + 78	X		35W N.B.	9XBD-49	400 W	MED	TYP	N/A
33	86 + 47	X		6035N	9X-40	250 W	E	TYP	N/A
34	88 + 36	X		6035N	9XB-40	250 W	BAR	TYP	RW20
35	90 + 44	X		6035N	9XB-40	250 W	BAR	TYP	RW20
36	492 + 56	X		35W N.B.	9XB-40	250 W	BAR	TYP	RW20
37	494 + 64	X		35W N.B.	9XB-40	250 W	BAR	TYP	RW20
38	497 + 44	X		35W N.B.	9XB-40	250 W	BAR	TYP	RW20
39	500 + 21	X		35W N.B.	9X-40	250 W	E	35'	N/A
40	503 + 38	X		35W N.B.	9X-40	250 W	E	TYP	N/A
41	5 + 67	X		35NDL	9XB-40	250 W	BAR	25'	RW21
42	7 + 77	X		35NDL	9XB-40	250 W	BAR	25'	RW21



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NO.	DATE	BY	CHKD	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 Electrical Engineer under the laws of the State of Minnesota.

Print Name: **BRIAN D. HOLT**

*Brian D. Holt*

Date: 1-9-06 License #: 21428

DRAWN BY J. KRUSE  
 DESIGNED BY G. SCKRIENBEK  
 CHECKED BY B. HOLT  
 COMM. NO. 0034702



MINNESOTA DEPARTMENT OF TRANSPORTATION SHEET 1359 OF 1681

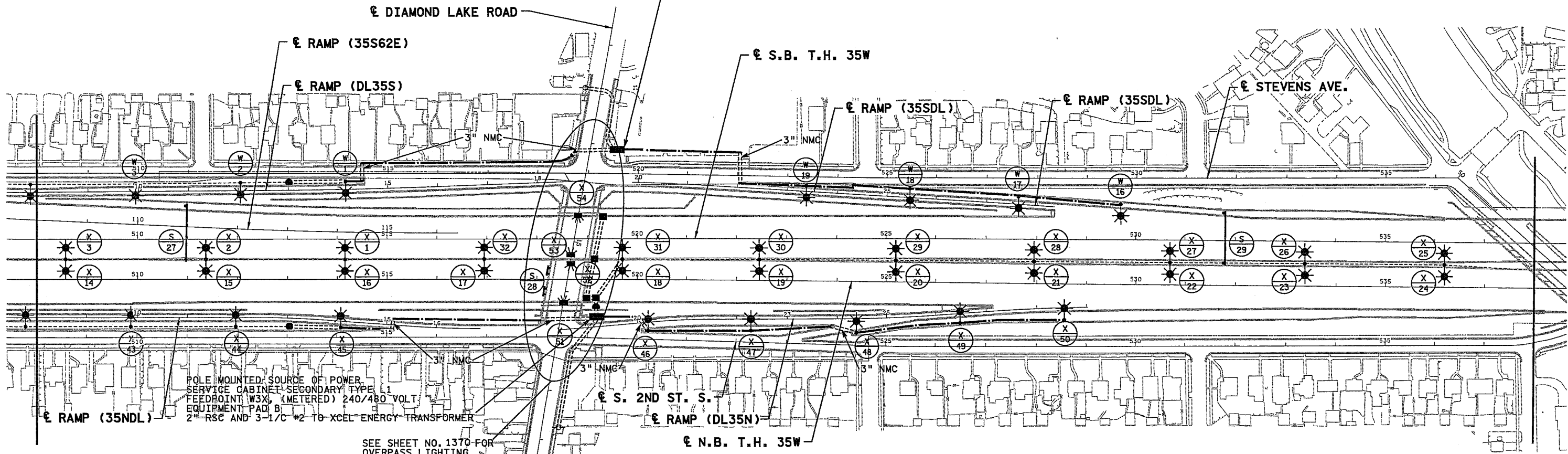
LIGHTING PLAN  
 S.P. 2782-281 (T.H. 35W)  
 MAIN LINE



NOTES:

1. ALL CONDUIT SHALL BE 1 1/2" NMC (UNLESS OTHERWISE NOTED)
2. DIRECT BURIED CABLE SHALL BE ARMORED CABLE WITH 4-1/C #4 CONDUCTORS.
3. ALL DISTRIBUTION CABLE IN CONDUIT SHALL BE 3-1/C #4 WITH 1-1/C #4 GND (UNLESS OTHERWISE NOTED)
4. CONNECTING INPLACE LIGHTING UNITS TO THE NEW LIGHTING CIRCUITS IS INCIDENTAL TO THE CONDUIT & WIRE.
5. ABANDON ASSOCIATED EXISTING CONDUIT IN PLACE.

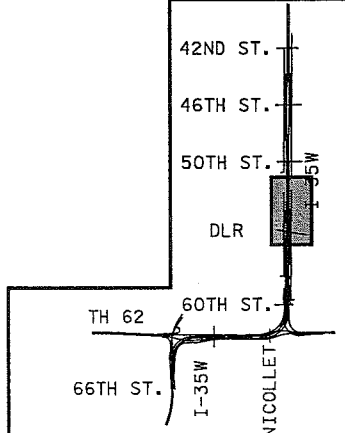
POLE MOUNTED SOURCE OF POWER  
SERVICE CABINET SECONDARY TYPE L1  
FEEDPOINT W3W, (METERED) 240/480 VOLT  
EQUIPMENT PAD B  
2" RSC AND 3-1/C #2 TO XCEL ENERGY TRANSFORMER



POLE MOUNTED SOURCE OF POWER  
SERVICE CABINET SECONDARY TYPE L1  
FEEDPOINT W3W, (METERED) 240/480 VOLT  
EQUIPMENT PAD B  
2" RSC AND 3-1/C #2 TO XCEL ENERGY TRANSFORMER

SEE SHEET NO. 1370 FOR OVERPASS LIGHTING

FEED POINT 'W3W'									
LIGHTING STANDARDS AND BASES									
NO.	STATION	LT.	RT.	LOCATION	TYPE	FIXTURE	BASE TYPE	POLE HEIGHT	WALL #
1	14 + 16	X		DL35S	9X-40	250 W	E	TYP	N/A
2	12 + 05	X		DL35S	9XB-40	250 W	BAR	35'	RW36
3	9 + 94	X		DL35S	9XB-40	250 W	BAR	30'	RW36
16	529 + 69	X		35W S.B.	9X-40	250 W	E	TYP	N/A
17	27 + 62	X		35SDL	9X-40	250 W	E	TYP	N/A
18	25 + 47	X		35SDL	9X-40	250 W	E	TYP	N/A
19	23 + 37	X		35SDL	9X-40	250 W	E	TYP	N/A



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NO	DATE	BY	CHKD	APPR	REVISION

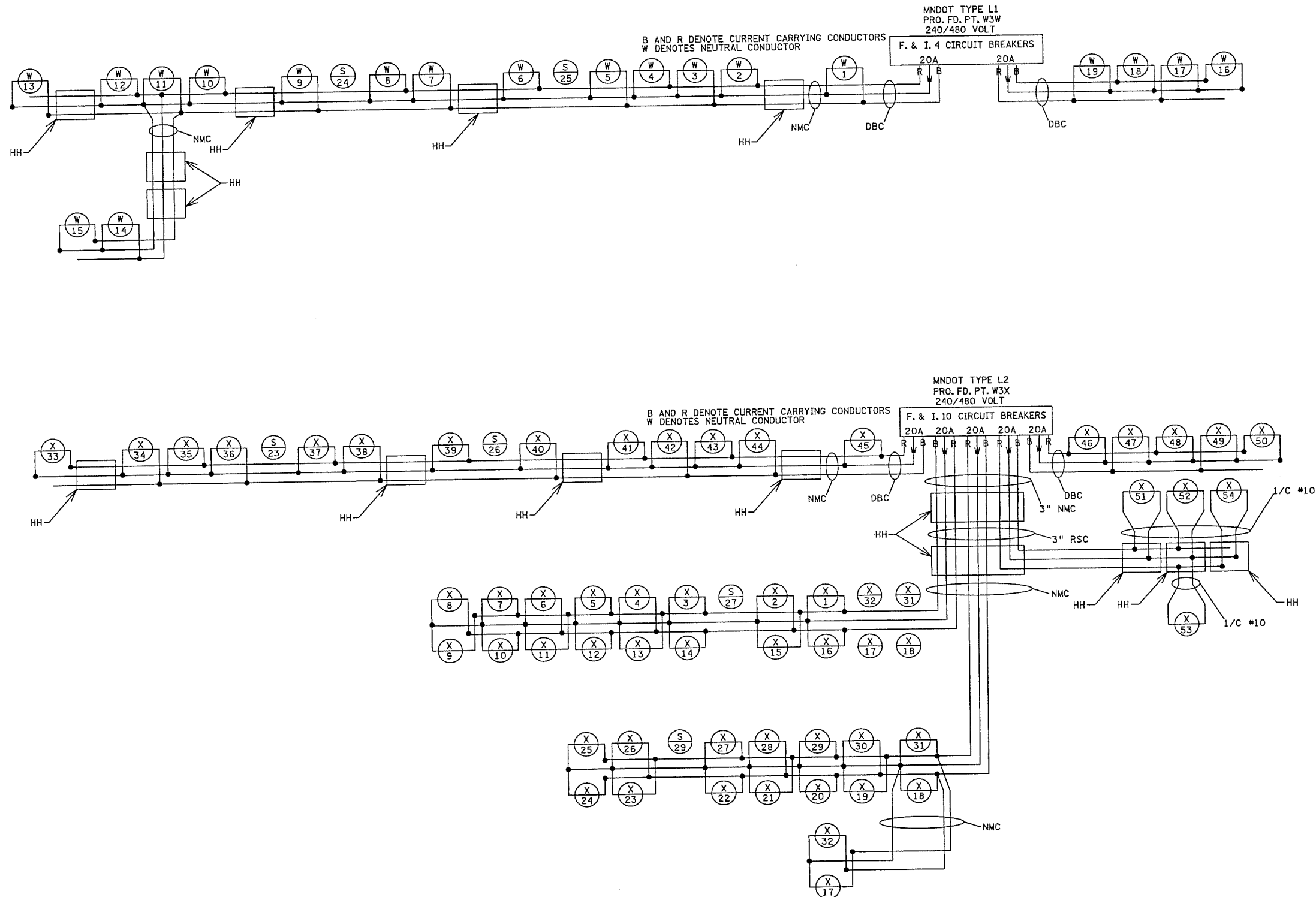
I hereby certify that this plan, specification, or report was prepared by me or under my direct supervision and that I am a duly Licensed Professional Electrical Engineer under the laws of the State of Minnesota.

Print Name: **BRIAN D. HOLT**  
*Brian D Holt*  
 Date: 1-9-06 License #: 21428

DRAWN BY  
J. KRUSE  
 DESIGNED BY  
J. KRUSE  
 CHECKED BY  
B. HOLT  
 COMM. NO. 0034702



WHEN LIGHTS AND SIGNS ARE SHOWN  
BUT NOT CONNECTED, THIS SIGNIFIES  
A CIRCUIT BEING ROUTED THROUGH  
THE BASE BUT NOT TERMINATED THERE.



- NOTES:
1. ALL DISTRIBUTION CABLE IN CONDUIT SHALL BE 3-1/C #4 AND 1-1/C #4 GND (UNLESS OTHERWISE NOTED).
  2. DIRECT BURIED CABLE SHALL BE ARMORED CABLE WITH 4-1/C #4 CONDUCTORS.
  3. ALL CONDUIT SHALL BE 1 1/2" NON-METALLIC CONDUIT (UNLESS OTHERWISE NOTED).

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NO	DATE	BY	CHKD	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 Electrical Engineer under the laws of the State of Minnesota.

Print Name: **Brian D. Holt**  
Date: 1-9-06 License #: 21428

DRAWN BY  
J. KRUSE  
DESIGNED BY  
J. KRUSE  
CHECKED BY  
B. HOLT  
COMM. NO. 0034702



MINNESOTA DEPARTMENT OF TRANSPORTATION  
LIGHTING PLAN  
S.P. 2782-281 (T.H. 35W)  
WIRING DIAGRAMS

SHEET  
1377  
OF  
1681