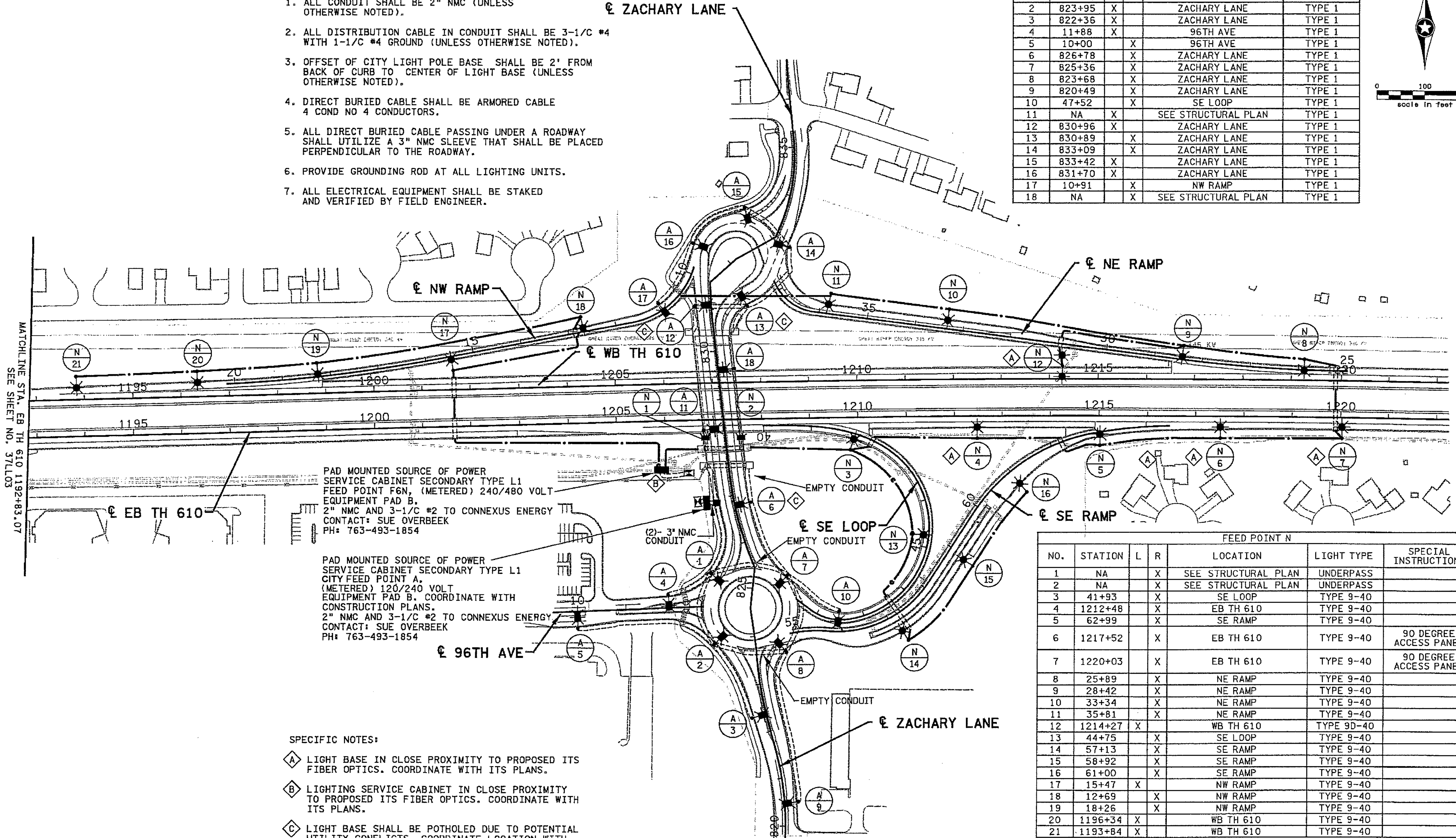
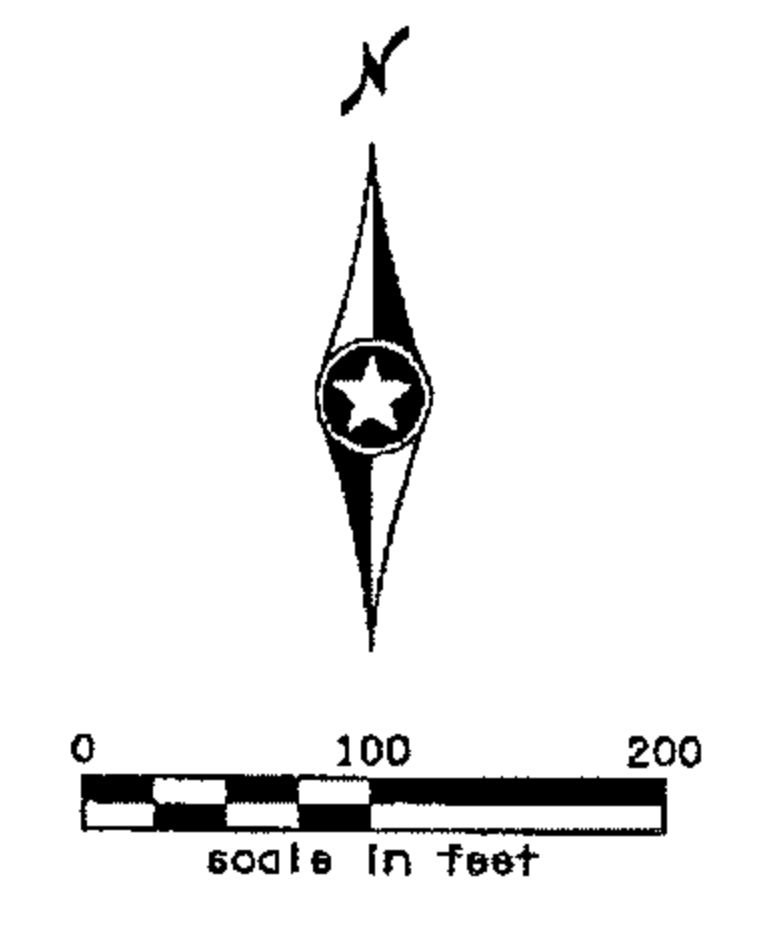


- GENERAL NOTES:
1. ALL CONDUIT SHALL BE 2" NMC (UNLESS OTHERWISE NOTED).
 2. ALL DISTRIBUTION CABLE IN CONDUIT SHALL BE 3-1/C #4 WITH 1-1/C #4 GROUND (UNLESS OTHERWISE NOTED).
 3. OFFSET OF CITY LIGHT POLE BASE SHALL BE 2' FROM BACK OF CURB TO CENTER OF LIGHT BASE (UNLESS OTHERWISE NOTED).
 4. DIRECT BURIED CABLE SHALL BE ARMORED CABLE 4 COND NO 4 CONDUCTORS.
 5. ALL DIRECT BURIED CABLE PASSING UNDER A ROADWAY SHALL UTILIZE A 3" NMC SLEEVE THAT SHALL BE PLACED PERPENDICULAR TO THE ROADWAY.
 6. PROVIDE GROUNDING ROD AT ALL LIGHTING UNITS.
 7. ALL ELECTRICAL EQUIPMENT SHALL BE STAKED AND VERIFIED BY FIELD ENGINEER.

CITY FEED POINT A					
NO.	STATION	L	R	LOCATION	LIGHT TYPE
1	825+67	X		ZACHARY LANE	TYPE 1
2	823+95	X		ZACHARY LANE	TYPE 1
3	822+36	X		ZACHARY LANE	TYPE 1
4	11+88	X		96TH AVE	TYPE 1
5	10+00	X	X	96TH AVE	TYPE 1
6	826+78	X		ZACHARY LANE	TYPE 1
7	825+36	X		ZACHARY LANE	TYPE 1
8	823+68	X		ZACHARY LANE	TYPE 1
9	820+49	X		ZACHARY LANE	TYPE 1
10	47+52	X	X	SE LOOP	TYPE 1
11	NA	X		SEE STRUCTURAL PLAN	TYPE 1
12	830+96	X		ZACHARY LANE	TYPE 1
13	830+89	X		ZACHARY LANE	TYPE 1
14	833+09	X		ZACHARY LANE	TYPE 1
15	833+42	X		ZACHARY LANE	TYPE 1
16	831+70	X		ZACHARY LANE	TYPE 1
17	10+91	X	X	NW RAMP	TYPE 1
18	NA	X	X	SEE STRUCTURAL PLAN	TYPE 1



PAD MOUNTED SOURCE OF POWER SERVICE CABINET SECONDARY TYPE L1 FEED POINT F6N, (METERED) 240/480 VOLT EQUIPMENT PAD B. 2" NMC AND 3-1/C #2 TO CONNEXUS ENERGY CONTACT: SUE OVERBEEK PH: 763-493-1854

PAD MOUNTED SOURCE OF POWER SERVICE CABINET SECONDARY TYPE L1 CITY FEED POINT A, (METERED) 120/240 VOLT EQUIPMENT PAD B. COORDINATE WITH CONSTRUCTION PLANS. 2" NMC AND 3-1/C #2 TO CONNEXUS ENERGY CONTACT: SUE OVERBEEK PH: 763-493-1854

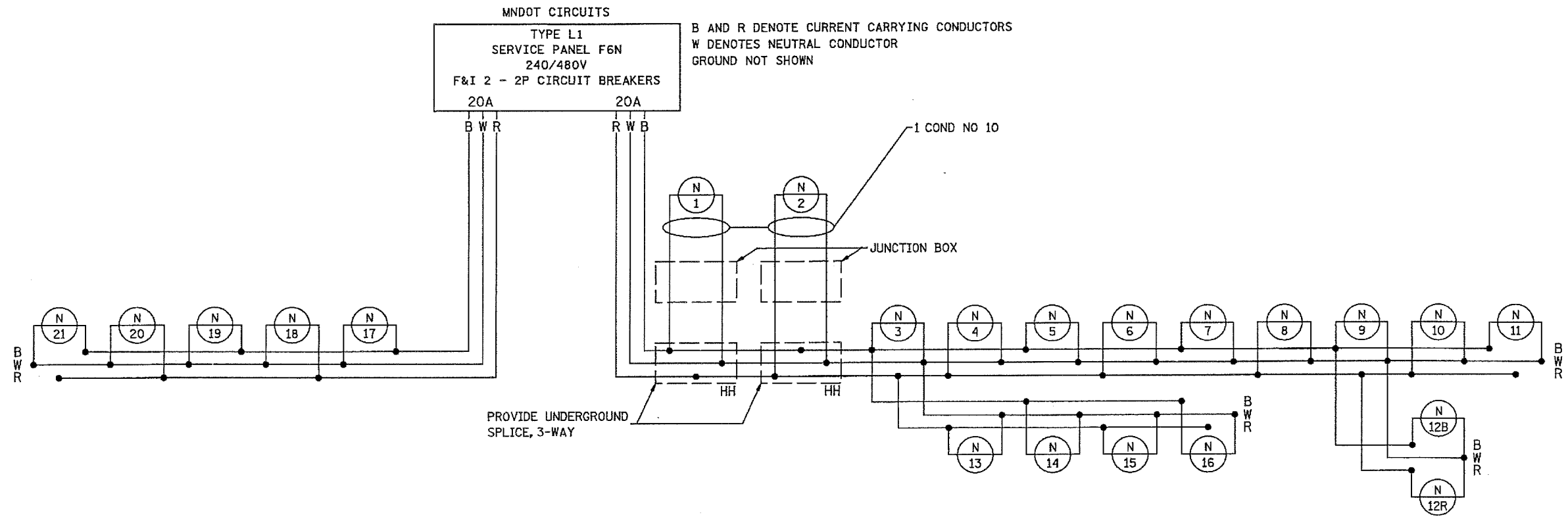
FEED POINT N						
NO.	STATION	L	R	LOCATION	LIGHT TYPE	SPECIAL INSTRUCTIONS
1	NA	X		SEE STRUCTURAL PLAN	UNDERPASS	
2	NA	X		SEE STRUCTURAL PLAN	UNDERPASS	
3	41+93	X		SE LOOP	TYPE 9-40	
4	1212+48	X		EB TH 610	TYPE 9-40	
5	62+99	X		SE RAMP	TYPE 9-40	
6	1217+52	X		EB TH 610	TYPE 9-40	90 DEGREE ACCESS PANEL
7	1220+03	X		EB TH 610	TYPE 9-40	90 DEGREE ACCESS PANEL
8	25+89	X		NE RAMP	TYPE 9-40	
9	28+42	X		NE RAMP	TYPE 9-40	
10	33+34	X		NE RAMP	TYPE 9-40	
11	35+81	X		NE RAMP	TYPE 9-40	
12	1214+27	X		WB TH 610	TYPE 9D-40	
13	44+75	X		SE LOOP	TYPE 9-40	
14	57+13	X		SE RAMP	TYPE 9-40	
15	58+92	X		SE RAMP	TYPE 9-40	
16	61+00	X		SE RAMP	TYPE 9-40	
17	15+47	X		NW RAMP	TYPE 9-40	
18	12+69	X		NW RAMP	TYPE 9-40	
19	18+26	X		NW RAMP	TYPE 9-40	
20	1196+34	X		WB TH 610	TYPE 9-40	
21	1193+84	X		WB TH 610	TYPE 9-40	

- SPECIFIC NOTES:
- (A) LIGHT BASE IN CLOSE PROXIMITY TO PROPOSED ITS FIBER OPTICS. COORDINATE WITH ITS PLANS.
 - (B) LIGHTING SERVICE CABINET IN CLOSE PROXIMITY TO PROPOSED ITS FIBER OPTICS. COORDINATE WITH ITS PLANS.
 - (C) LIGHT BASE SHALL BE POTHOLED DUE TO POTENTIAL UTILITY CONFLICTS. COORDINATE LOCATION WITH ENGINEER.

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<table border="1" style="width: 100%; border-collapse: collapse;"> <tr><td>NO</td><td>DATE</td><td>BY</td><td>CKD</td><td>APPR</td></tr> <tr><td> </td><td> </td><td> </td><td> </td><td> </td></tr> </table>	NO	DATE	BY	CKD	APPR						<p>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.</p> <p>Print Name: Brian D. Holt Date: 6/15/10 License #: 21428</p>	<p>MN/DOT RELEASED FOR CONSTRUCTION</p> <p><i>[Signature]</i> Date: 6/22/10 MN/DOT</p>		<p>T.H. 610 DESIGN BUILD (SP 2771-38)</p> <p>LIGHTING LAYOUT T.H. 610 DESIGN PACKAGE #37</p>	<p>SHEET 37LL04 OF 37LL15</p>
NO	DATE	BY	CKD	APPR											



LEGEND	
PROPOSED LUMINAIRE	(X) (X)
EXISTING LUMINAIRE (UNLESS OTHERWISE NOTED)	(X) (X)
PROPOSED HANDHOLE	[]
EXISTING HANDHOLE (OR F & I BY STRUCTURAL)	[]
PROPOSED CIRCUITRY	—
EXISTING CIRCUITRY	- - -
PROPOSED SPLICE	•
EXISTING SPLICE	○

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NO	DATE	BY	CKD	APPR

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: **BRIAN D. HOLT**
Brian D. Holt
 Date: 6/15/10 License # 21428

MN/DOT RELEASED FOR CONSTRUCTION

[Signature]
 Date: 6/22/10 MN/DOT



T.H. 610 DESIGN BUILD (SP 2771-38)
 WIRING DIAGRAM
 T.H. 610
 DESIGN PACKAGE #37

SHEET
 37LL13
 OF
 37LL15