




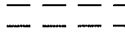



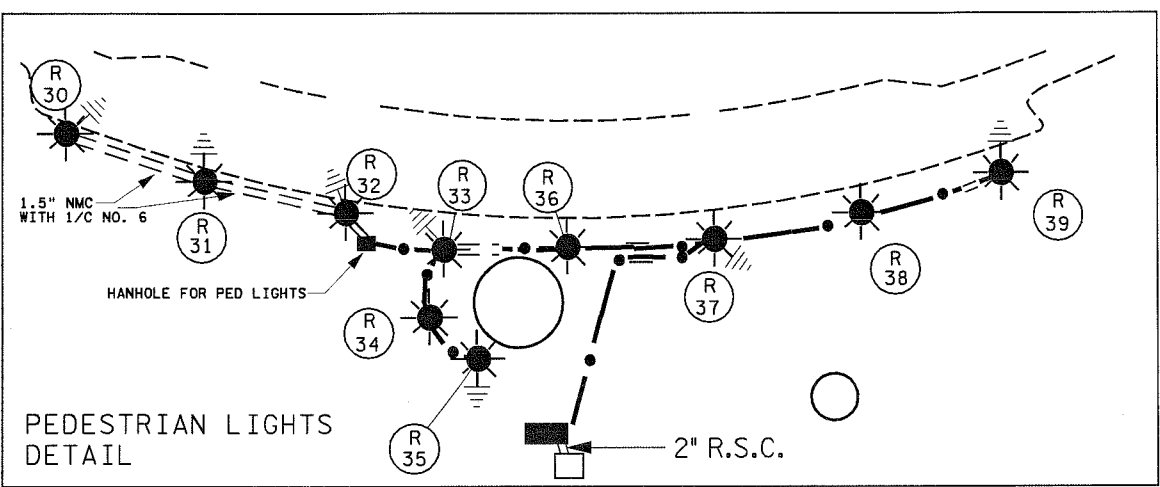
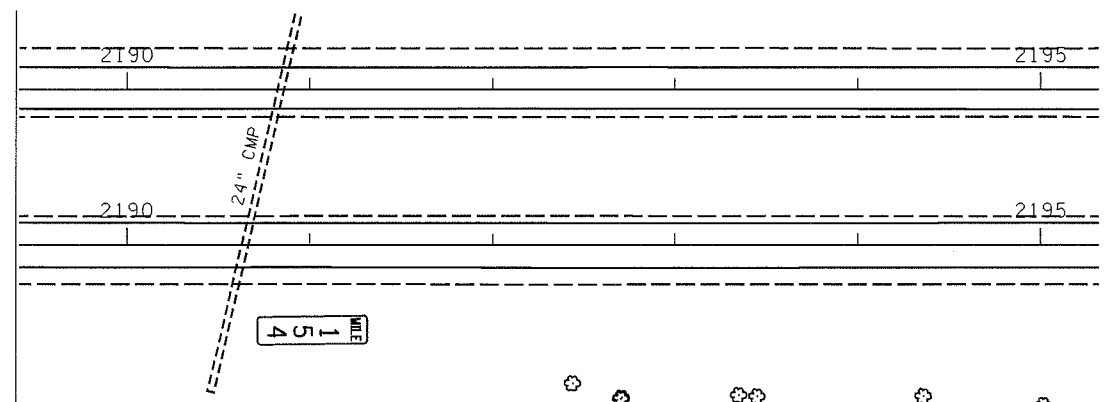


LEGEND

-  PAD MOUNTED SOURCE OF POWER
-  LIGHTING UNIT TYPE SPECIAL 1
-  LIGHTING UNIT TYPE SPECIAL 2
-  LIGHTING UNIT TYPE SPECIAL 3
-  LIGHTING UNIT TYPE SPECIAL 4
-  3" NON METALLIC CONDUIT UNLESS OTHERWISE NOTED
-  ARMORED CABLE 4 CONDUCTOR NO. 4
-  HANDHOLE
-  PERMANENT GROUND ROD (25 OHMS OR LESS)

AS-BUILT 05/2010

LIGHTING PLAN



MATCHLINE A

MATCHLINE B

3" NMC ENDS UNDER SIDEWALK

1.5" NON-METALLIC CONDUIT

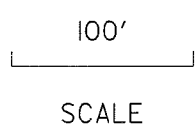
HANDHOLE FOR PED LIGHTS

4" CONCRETE WALK

INPLACE TRANSFORMER

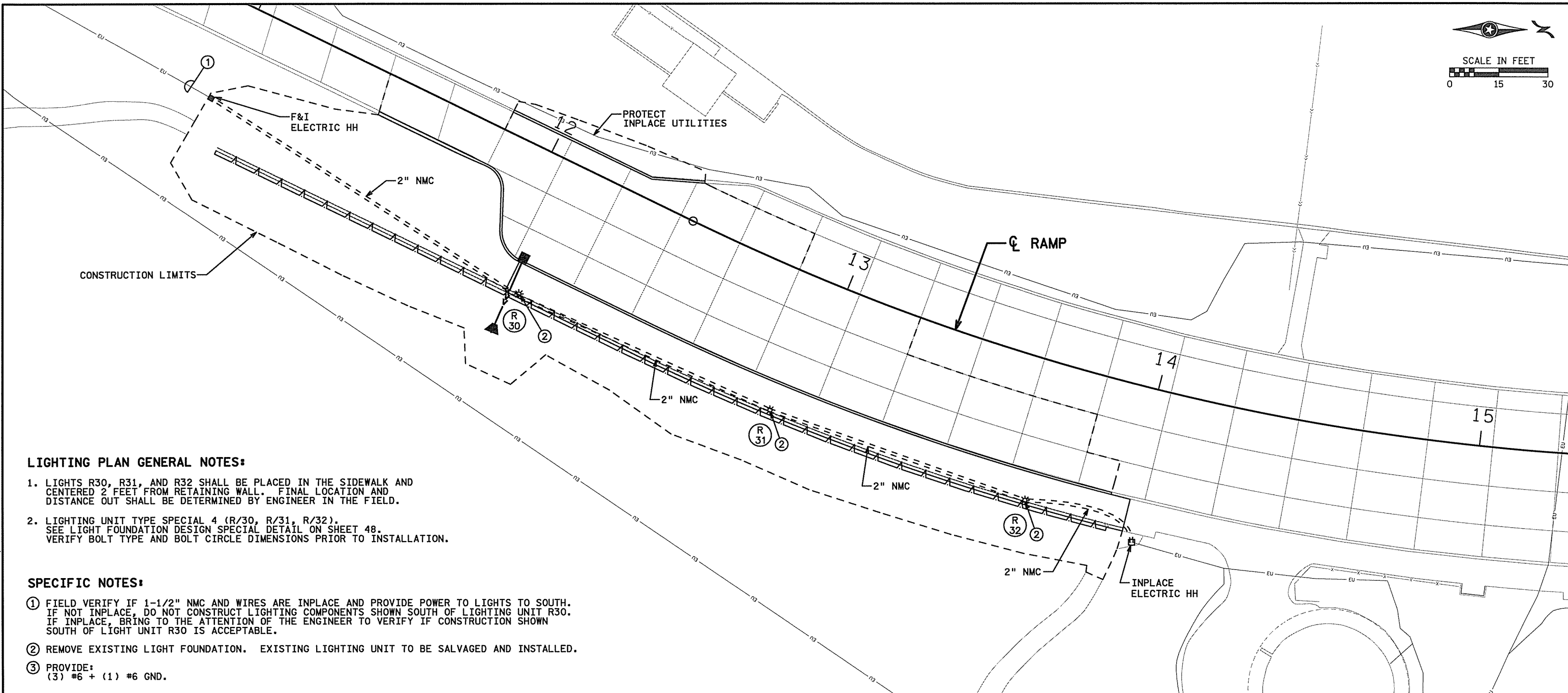
PAD MOUNTED SOURCE OF POWER
 SERVICE CABINET SECONDARY TYPE LI
 FD. PT. B47R, 240/480 VOLTS (METERED)
 F. & I. 2" R.S.C. & 3-1/C NO. 2
 TO NEW TRANSFORMER
 EQUIPMENT PAD B REQUIRED
 EAST CENTRAL ENERGY

NEW TRANSFORMER BY
 EAST CENTRAL ENERGY
 METER ADDRESS
 HWY. 35 REST STOP
 HARRIS, MN 55022



GOOSE CREEK REST AREA

AS-BUILT 05/2010
 LIGHTING PLAN

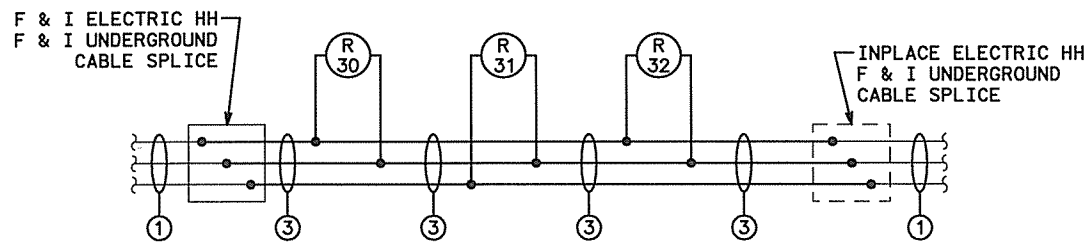


LIGHTING PLAN GENERAL NOTES:

1. LIGHTS R30, R31, AND R32 SHALL BE PLACED IN THE SIDEWALK AND CENTERED 2 FEET FROM RETAINING WALL. FINAL LOCATION AND DISTANCE OUT SHALL BE DETERMINED BY ENGINEER IN THE FIELD.
2. LIGHTING UNIT TYPE SPECIAL 4 (R/30, R/31, R/32). SEE LIGHT FOUNDATION DESIGN SPECIAL DETAIL ON SHEET 48. VERIFY BOLT TYPE AND BOLT CIRCLE DIMENSIONS PRIOR TO INSTALLATION.

SPECIFIC NOTES:

- ① FIELD VERIFY IF 1-1/2" NMC AND WIRES ARE INPLACE AND PROVIDE POWER TO LIGHTS TO SOUTH. IF NOT INPLACE, DO NOT CONSTRUCT LIGHTING COMPONENTS SHOWN SOUTH OF LIGHTING UNIT R30. IF INPLACE, BRING TO THE ATTENTION OF THE ENGINEER TO VERIFY IF CONSTRUCTION SHOWN SOUTH OF LIGHT UNIT R30 IS ACCEPTABLE.
- ② REMOVE EXISTING LIGHT FOUNDATION. EXISTING LIGHTING UNIT TO BE SALVAGED AND INSTALLED.
- ③ PROVIDE:
(3) #6 + (1) #6 GND.



LIGHTING FEEDPOINT WIRING DIAGRAM

NOT TO SCALE

LIGHTING TABULATION

ITEM	UNIT	QUANTITY
REMOVE LIGHT FOUNDATION	EACH	3
SALVAGE LIGHTING UNIT	EACH	3
LIGHT FOUNDATION DESIGN SPECIAL	EACH	3
2" NON-METALLIC CONDUIT	LIN FT	317
UNDERGROUND WIRE 1 COND NO 6	LIN FT	1266
UNDERGROUND CABLE SPLICE	EACH	6
HANDHOLE	EACH	1
INSTALL LIGHTING UNIT	EACH	3

①
①
①
①

DRAWN BY: IKR

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:

Jeffrey A. Hilden

PRINTED NAME:

JEFFREY A. HILDEN

DATE: 12/7/2016

LIC. NO. 20781



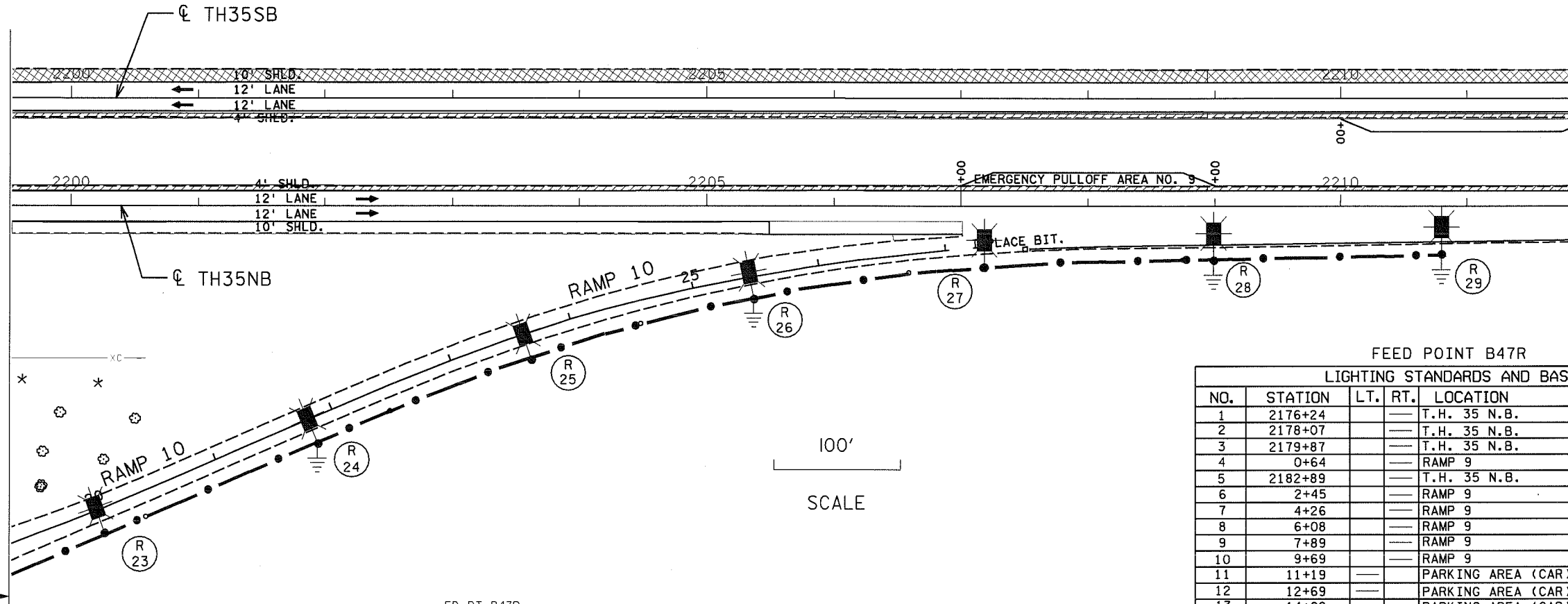
MINNESOTA DEPARTMENT OF TRANSPORTATION
GOOSE CREEK REST AREA

LIGHTING PLAN

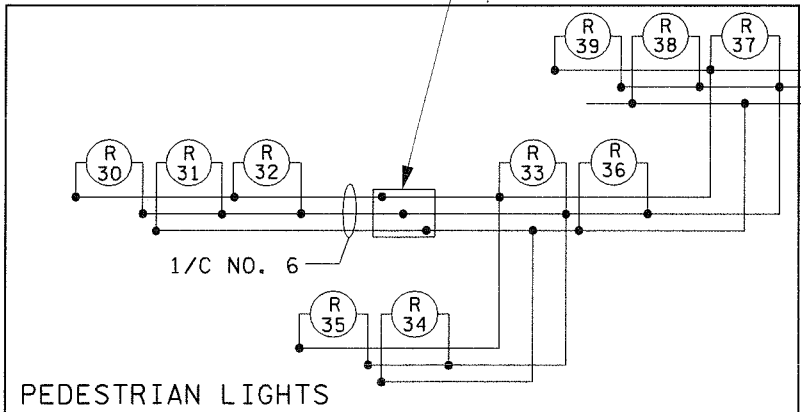
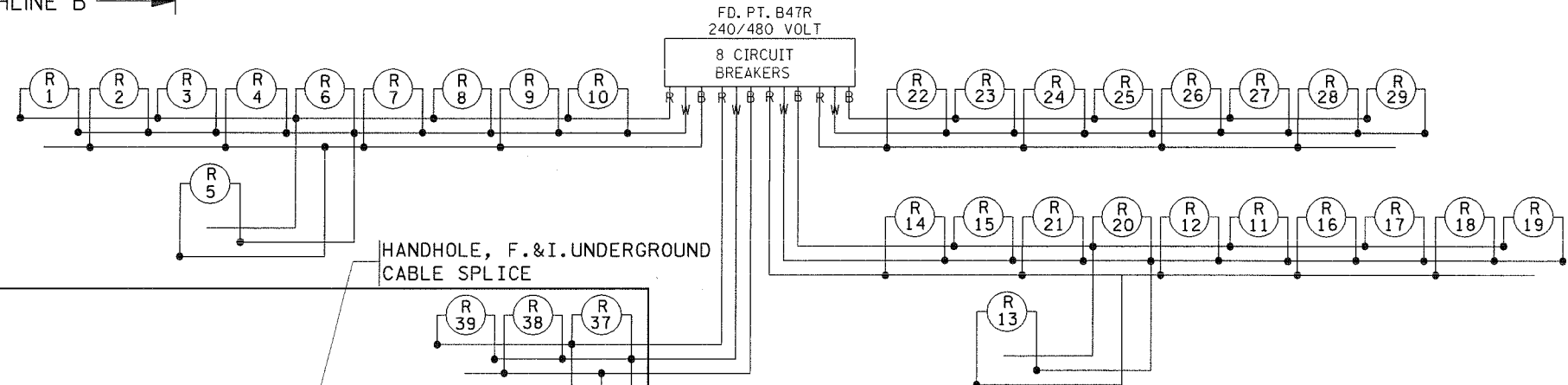
STATE PROJ. NO. 1380-92 (TH 35)

Sheet No. 47 of 49 Sheets

DATE: 12/7/2016 TIME: 7:13:00 AM FILENAME: K:\g-m\mndot\594000\04_Product\on\01_CAD\Highway\Sheets\cd\38092_11.dgn



MATCHLINE B



FEED POINT B47R
LIGHTING STANDARDS AND BASES

NO.	STATION	LT.	RT.	LOCATION	TYPE
1	2176+24			T.H. 35 N.B.	SPECIAL TYPE 1
2	2178+07			T.H. 35 N.B.	SPECIAL TYPE 1
3	2179+87			T.H. 35 N.B.	SPECIAL TYPE 1
4	0+64			RAMP 9	SPECIAL TYPE 1
5	2182+89			T.H. 35 N.B.	SPECIAL TYPE 1
6	2+45			RAMP 9	SPECIAL TYPE 1
7	4+26			RAMP 9	SPECIAL TYPE 1
8	6+08			RAMP 9	SPECIAL TYPE 1
9	7+89			RAMP 9	SPECIAL TYPE 1
10	9+69			RAMP 9	SPECIAL TYPE 1
11	11+19			PARKING AREA (CAR)	SPECIAL TYPE 2
12	12+69			PARKING AREA (CAR)	SPECIAL TYPE 3
13	14+02			PARKING AREA (CAR)	SPECIAL TYPE 3
14	15+35			PARKING AREA (CAR)	SPECIAL TYPE 3
15	16+66			PARKING AREA (CAR)	SPECIAL TYPE 3
16	11+00			PARKING AREA (TRUCK)	SPECIAL TYPE 2
17	12+32			PARKING AREA (TRUCK)	SPECIAL TYPE 3
18	14+00			PARKING AREA (TRUCK)	SPECIAL TYPE 3
19	15+37			PARKING AREA (TRUCK)	SPECIAL TYPE 3
20	14+32			PARKING AREA (TRUCK)	SPECIAL TYPE 2
21	16+39			PARKING AREA (TRUCK)	SPECIAL TYPE 2
22	18+10			PARKING AREA (CAR)	SPECIAL TYPE 1
23	20+00			RAMP 10	SPECIAL TYPE 1
24	21+80			RAMP 10	SPECIAL TYPE 1
25	23+61			RAMP 10	SPECIAL TYPE 1
26	25+45			RAMP 10	SPECIAL TYPE 1
27	2207+19			T.H. 35 N.B.	SPECIAL TYPE 1
28	2209+00			T.H. 35 N.B.	SPECIAL TYPE 1
29	2210+80			T.H. 35 N.B.	SPECIAL TYPE 1
30	AS SHOWN			WALKWAY	SPECIAL TYPE 4
31	AS SHOWN			WALKWAY	SPECIAL TYPE 4
32	AS SHOWN			WALKWAY	SPECIAL TYPE 4
33	AS SHOWN			WALKWAY	SPECIAL TYPE 4
34	AS SHOWN			WALKWAY	SPECIAL TYPE 4
35	AS SHOWN			WALKWAY	SPECIAL TYPE 4
36	AS SHOWN			WALKWAY	SPECIAL TYPE 4
37	AS SHOWN			WALKWAY	SPECIAL TYPE 4
38	AS SHOWN			WALKWAY	SPECIAL TYPE 4
39	AS SHOWN			WALKWAY	SPECIAL TYPE 4

NOTE: LIGHTS R30, R31 & R32 SHALL BE PLACED IN THE SIDEWALK & CENTERED 2 FEET FROM RETAINING WALL.

LIGHTS R33, R34, R35, R36, R37, R38 & R39 SHALL BE CENTERED 2 FEET BEHIND THE SIDEWALK.

SEE LIGHTING PLACEMENT DETAIL ON SHEET NO. 152 FOR LIGHTS R1, R2, R3, R4, R5, R6, R7, R8, R9, R10, R22, R23, R24, R25, R26, R27, R28 & R29.

FINAL LOCATION AND DISTANCE OUT SHALL BE DETERMINED BY ENGINEER IN THE FIELD.

AS-BUILT 05/2010

LIGHTING PLAN