

GENERAL NOTES

THE EXACT LOCATION OF THE ELECTRICAL METER AND CABINETS SHALL BE DETERMINED BY THE ENGINEER IN THE FIELD. FIELD LOCATE CABINET BASE AND PULLBOXES. ADJUST ALL LOCATIONS AROUND SITE CONDITIONS INCLUDING TOPOGRAPHY AND UTILITIES.

CONFER WITH THE LOCAL UTILITY TO DETERMINE WHICH SIDE THE ELECTRICAL SERVICE LATERAL WILL APPROACH.

CONTRACTOR MUST PROVIDE UTILITY APPROVED METER SOCKET AND INSTALL PER UTILITY AND MANUFACTURER'S REQUIREMENTS.

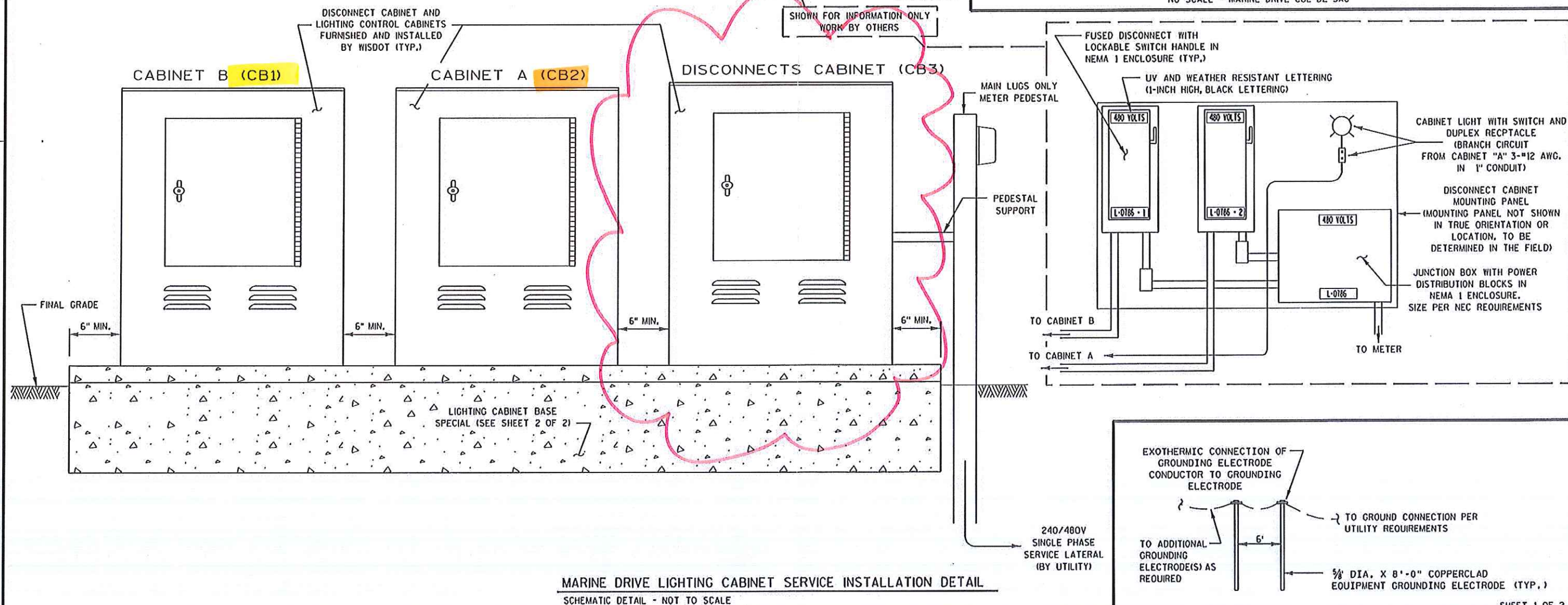
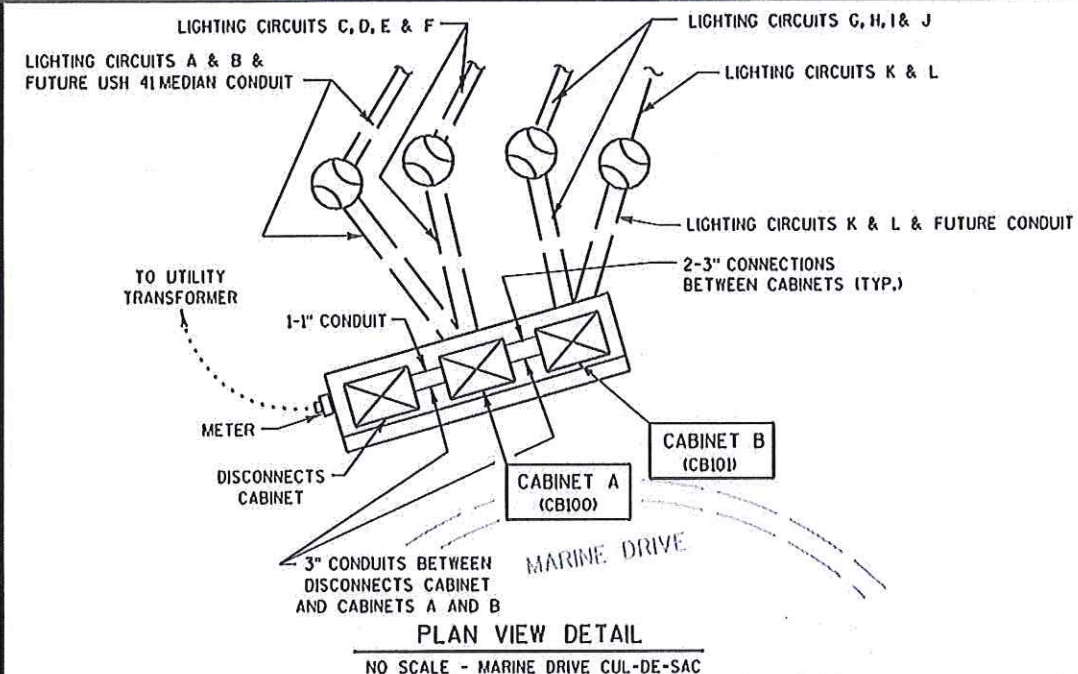
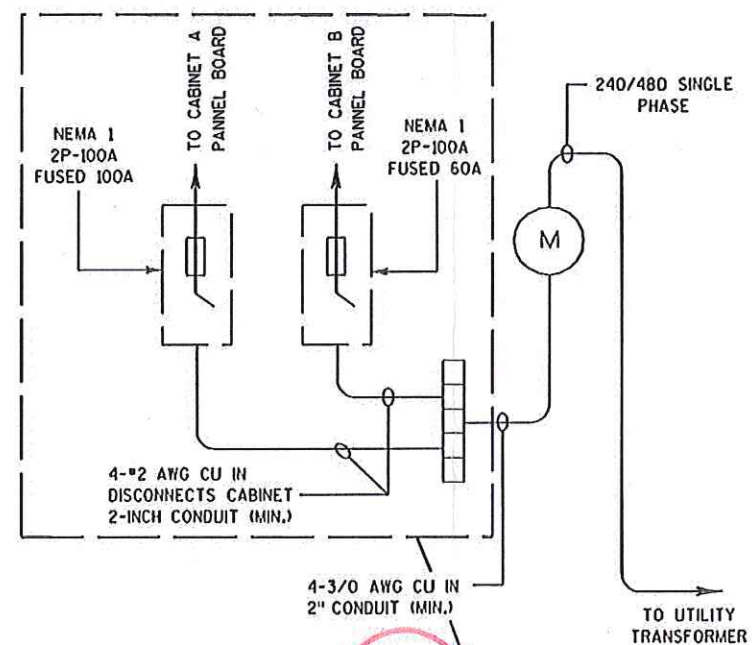
SERVICE CONDUCTOR ENTRANCES SHALL BE IN SCHEDULE 40 PVC CONDUIT, NIPPLES AND/OR CONDULETS AS REQUIRED. ALL EXPOSED CONDUIT SHALL BE RIGID STEEL.

SERVICE CONDUCTOR ENTRANCES SHALL BE SIZED AND LOCATED AS REQUIRED BY THE LOCAL UTILITY AND IN ACCORDANCE WITH APPROPRIATE ARTICLES OF THE LATEST ACCEPTED NATIONAL ELECTRICAL CODE.

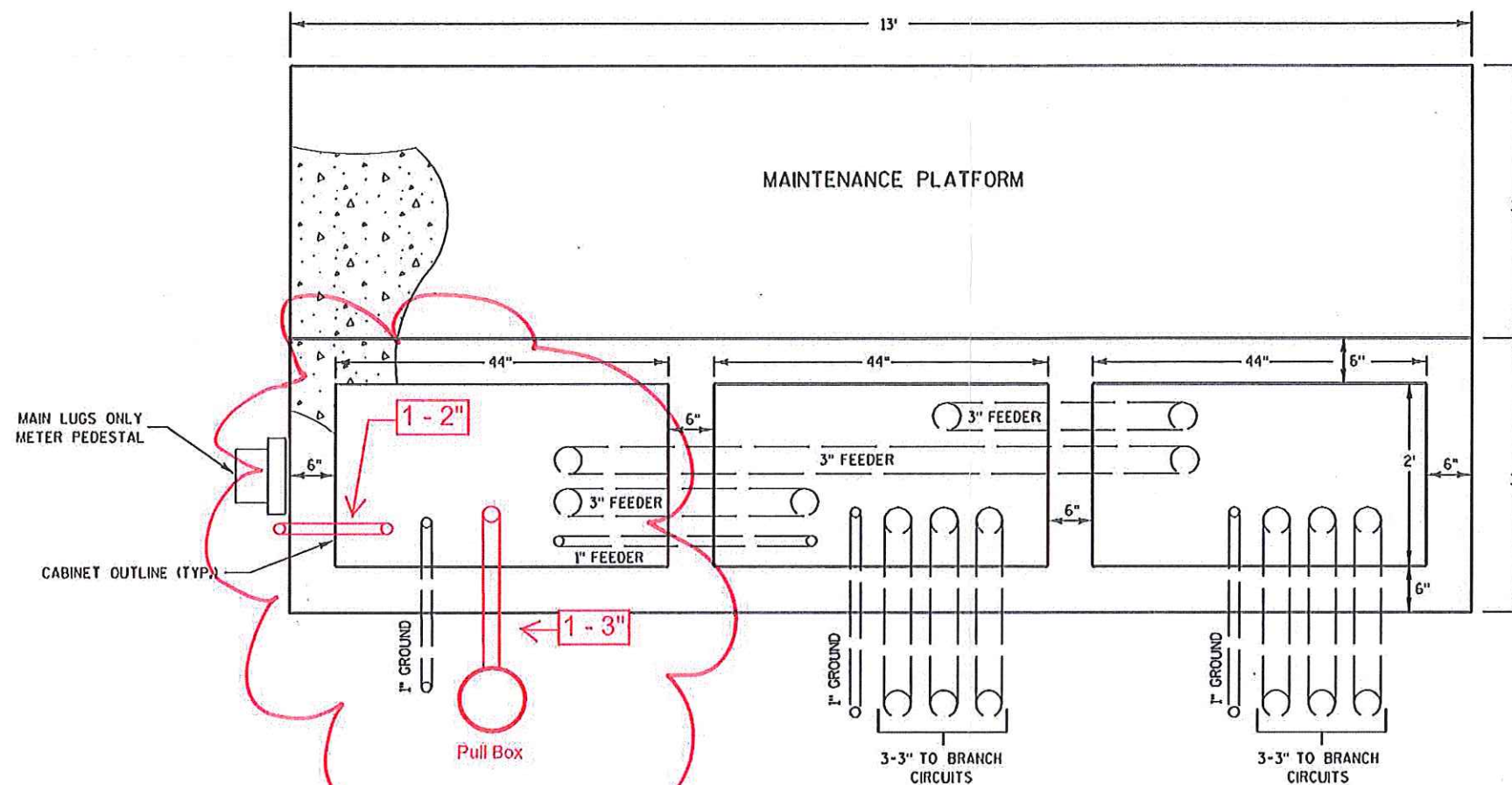
IF MORE THAN TWO GROUNDING ELECTRODES ARE REQUIRED, THE DISTANCE APART SHALL BE 6- FEET OR PER LOCAL UTILITY REGULATIONS.

ALL MOUNTING CHANNEL AND HARDWARE SHALL BE STAINLESS STEEL.

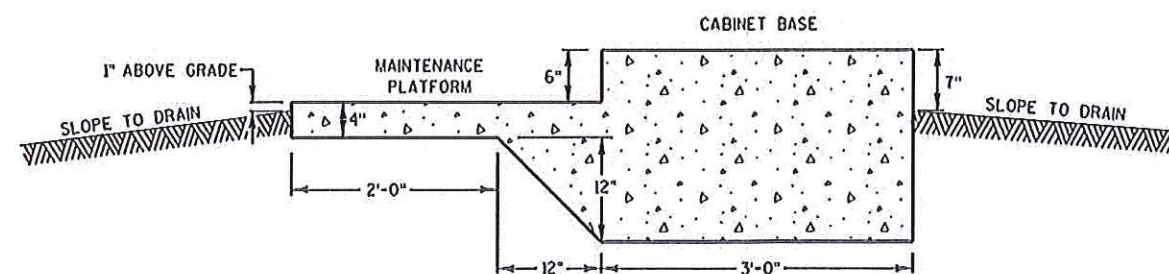
COORDINATE THE LAYOUT AND INSTALLATION OF ALL EQUIPMENT SHOWN WITH WISDOT NORTHEAST REGION AND THE UTILITY. THE LOCATION AND ARRANGEMENT OF ALL EQUIPMENT SHOWN IS APPROXIMATE AND SHALL BE VERIFIED IN THE FIELD.



MARINE DRIVE LIGHTING CABINET SERVICE INSTALLATION DETAIL
SCHEMATIC DETAIL - NOT TO SCALE



PLAN VIEW



SECTION VIEW

LIGHTING CABINET BASE SPECIAL
NO SCALE

NOTES

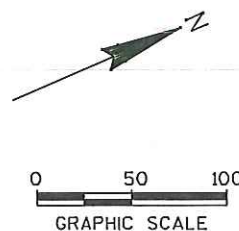
BASE SHALL BE CONSTRUCTED IN ACCORDANCE WITH THE STANDARD DETAIL, DRAWING 09C6-5 FOR CONCRETE CONTROL CABINET BASE, TYPE 9 SPECIAL, EXCEPT FOR THE DETAILS AND OTHER INFORMATION AS SPECIFICALLY SHOWN.

SIZE CABINET BASE AND PLACE CONDUITS AFTER MEASURING STATE FURNISHED CABINETS.

SHEET 2 OF 2

2

2



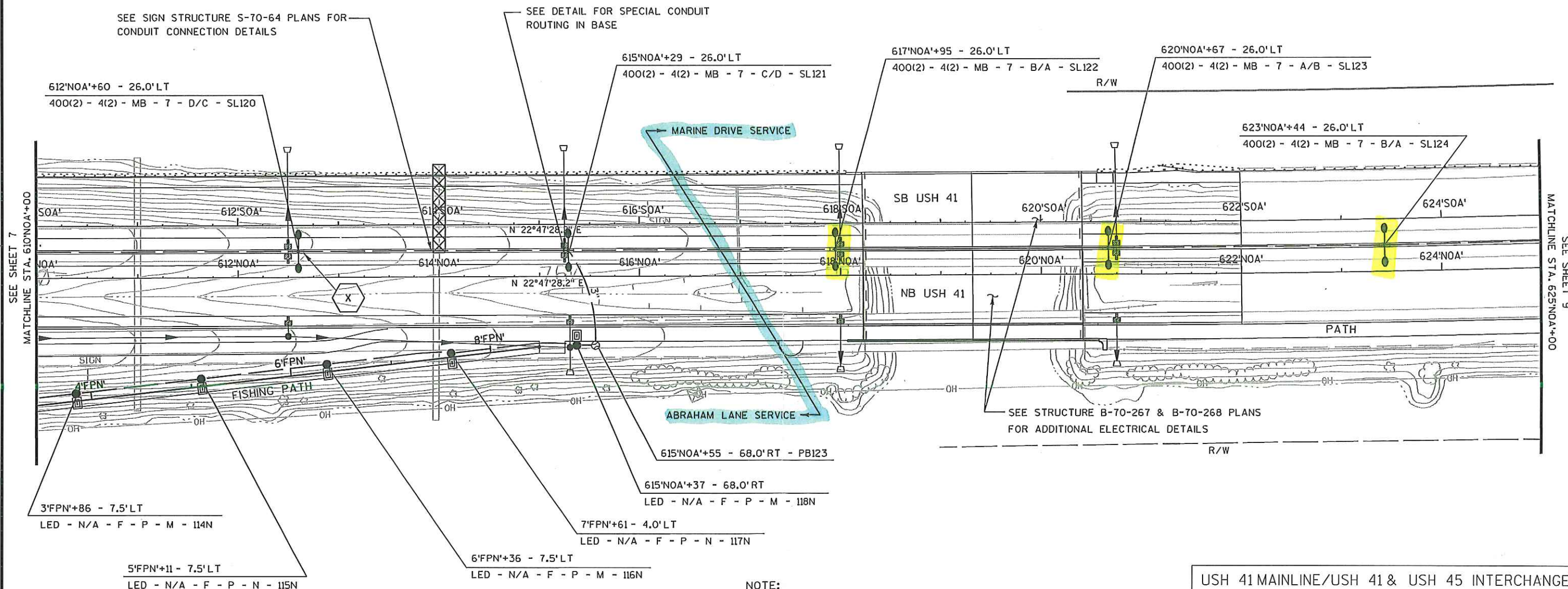
CB1 =

CB2 =

CB3 =

SEE SIGN STRUCTURE S-70-64 PLANS FOR
CONDUIT CONNECTION DETAILS

SEE DETAIL FOR SPECIAL CONDUIT
ROUTING IN BASE



USH 41 MAINLINE/USH 41 & USH 45 INTERCHANGE
CITY OF OSHKOSH
WINNEBAGO COUNTY

LIGHTING NO. L-0796 (ABRAHAM LANE) / L-0786 (MARINE DRIVE)

DESIGNER: KL ENGINEERING, INC.

DATE: 9/1/2010

SHEET 6 OF 6

PROJECT NO: 1120-11-75

HWY: USH 41

COUNTY: WINNEBAGO

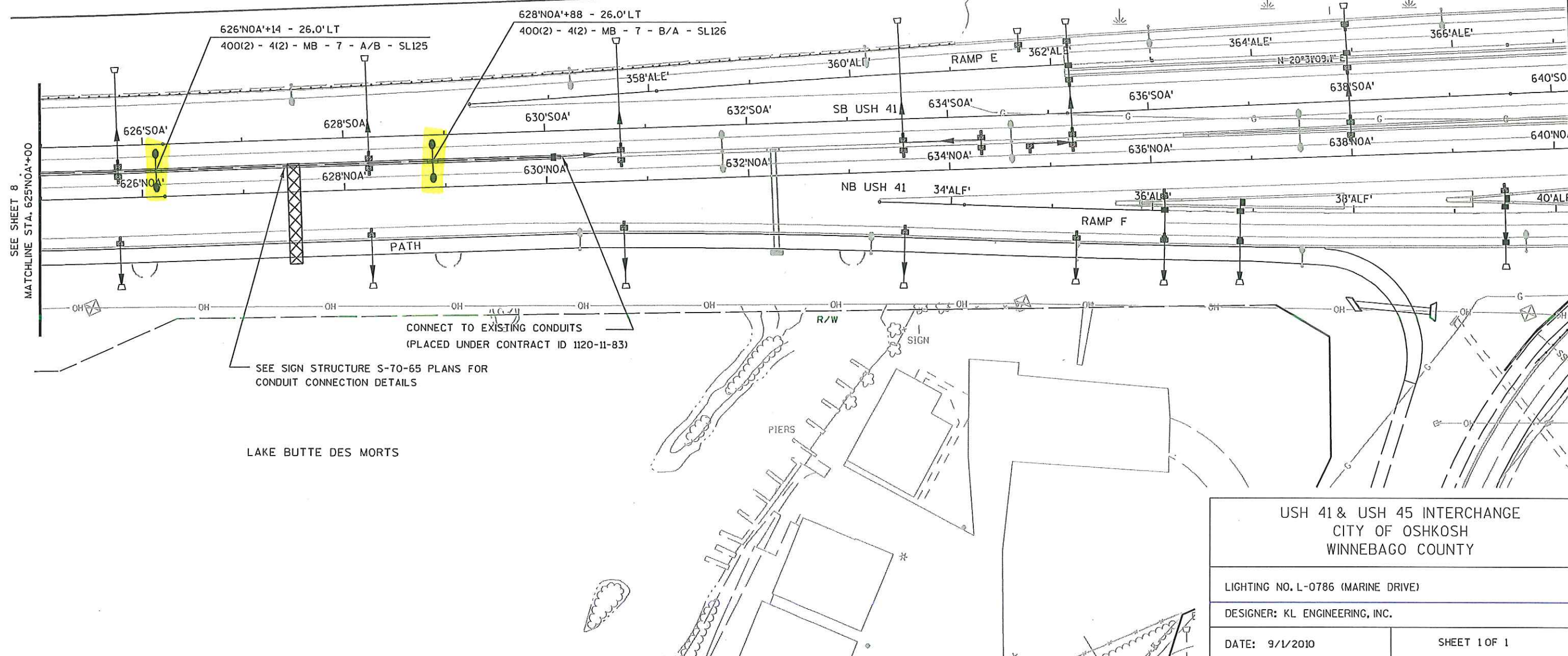
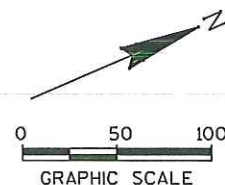
LIGHTING - USH 41 & FISHING PATH

SHEET

E

NOTE:

LIGHTING SHOWN IN GRAY TO BE CONSTRUCTED
UNDER PROJECT I.D. 1120-11-83.



USH 41 & USH 45 INTERCHANGE
CITY OF OSHKOSH
WINNEBAGO COUNTY

LIGHTING NO. L-0786 (MARINE DRIVE)

DESIGNER: KL ENGINEERING, INC.

DATE: 9/1/2010

SHEET 1 OF 1

PROJECT NO: 1120-11-75

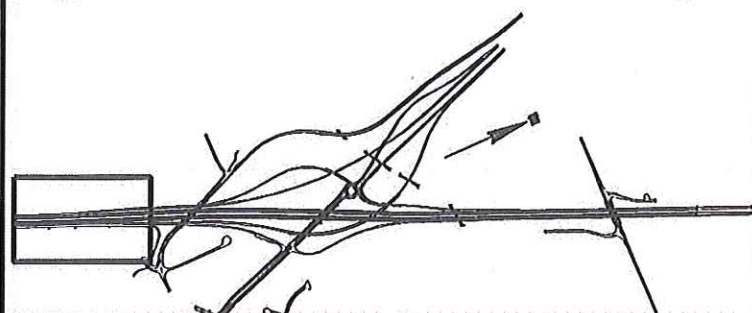
HWY: USH 41

COUNTY: WINNEBAGO

LIGHTING - USH 41

SHEET

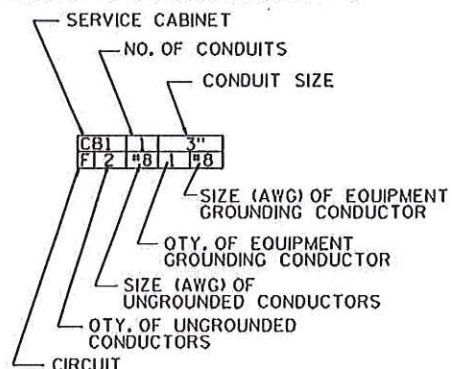
E



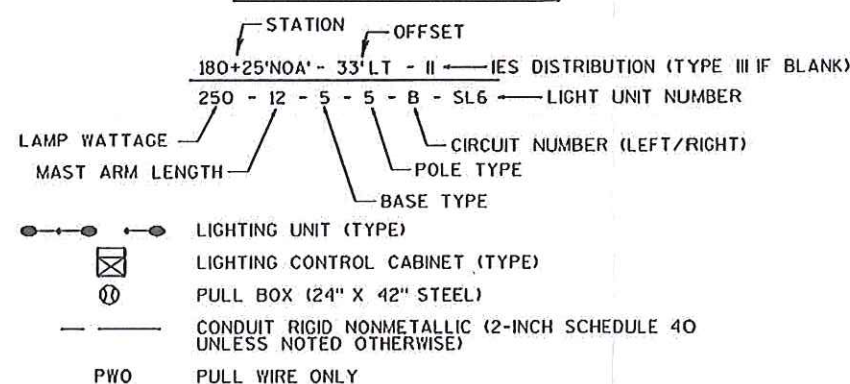
A/G - BLACK
B/H - RED
C/I - BLUE
D/J - BROWN
E/K - YELLOW
F/L - PURPLE

480V PHASE TO PHASE
240V PHASE TO PHASE

CONDUIT/CONDUCTOR LEGEND



LIGHTING PLAN LEGEND



0 50 100
GRAPHIC SCALE

CB1 =
CB2 =
CB3 =

LIGHTING PLANS PREPARED BY



1/29/2010
(DATE)

(SIGNATURE)

NOTES:

1) WISCONSIN DOT NORTHEAST REGION ELECTRICAL UNIT SHALL APPROVE THE FINAL LOCATION FOR ALL CONCRETE BASES IN THE FIELD PRIOR TO CONSTRUCTION. CONTACT THEM 3 DAYS IN ADVANCE AT (920) 492-5654 OR (920) 492-5628.

2) PITCH ALL CONDUIT TOWARD PULLBOXES. A 2" DRAIN DUCT TO DITCH OR STORM SEWER REQUIRED FOR ALL PULL BOXES IN LOW POINTS. THIS 2" DRAIN DUCT IS INCIDENTAL TO THE PULL BOX BID ITEM.

3) THE LOCATION OF EXISTING AND PROPOSED UTILITIES AS SHOWN ON THE PLANS ARE APPROXIMATE. IN ADDITION, THERE MAY BE OTHER UTILITIES WITHIN THE PROJECT AREA WHICH ARE NOT SHOWN. THE CONTRACTOR SHALL VERIFY THE LOCATIONS OF ALL UTILITIES PRIOR TO CONSTRUCTION.

4) THE WISCONSIN DOT NORTHEAST REGION WILL FURNISH AND INSTALL A LIGHTING CONTROL CABINET AND TERMINATE ALL CABINET WIRING FOR CONCRETE BASES CB1, CB2 & CB3.

5) REFER TO ITS PLANS FOR ADDITIONAL CONNECTIONS.

6) ALL POLES ON BREAKAWAY BASES SHALL BE PLACED 12-FEET FROM THE EDGE OF THE OUTSIDE TRAVEL LANE. ALL LIGHTS PLACED BEHIND GUARDRAIL SHALL BE PLACED 4-FEET BEHIND THE FACE OF GUARDRAIL.

TERMINATE & CAP CONDUIT
1-FOOT BEYOND THE END
OF BARRIER

PROJECT NO: 1120-11-83

HWY: USH 41

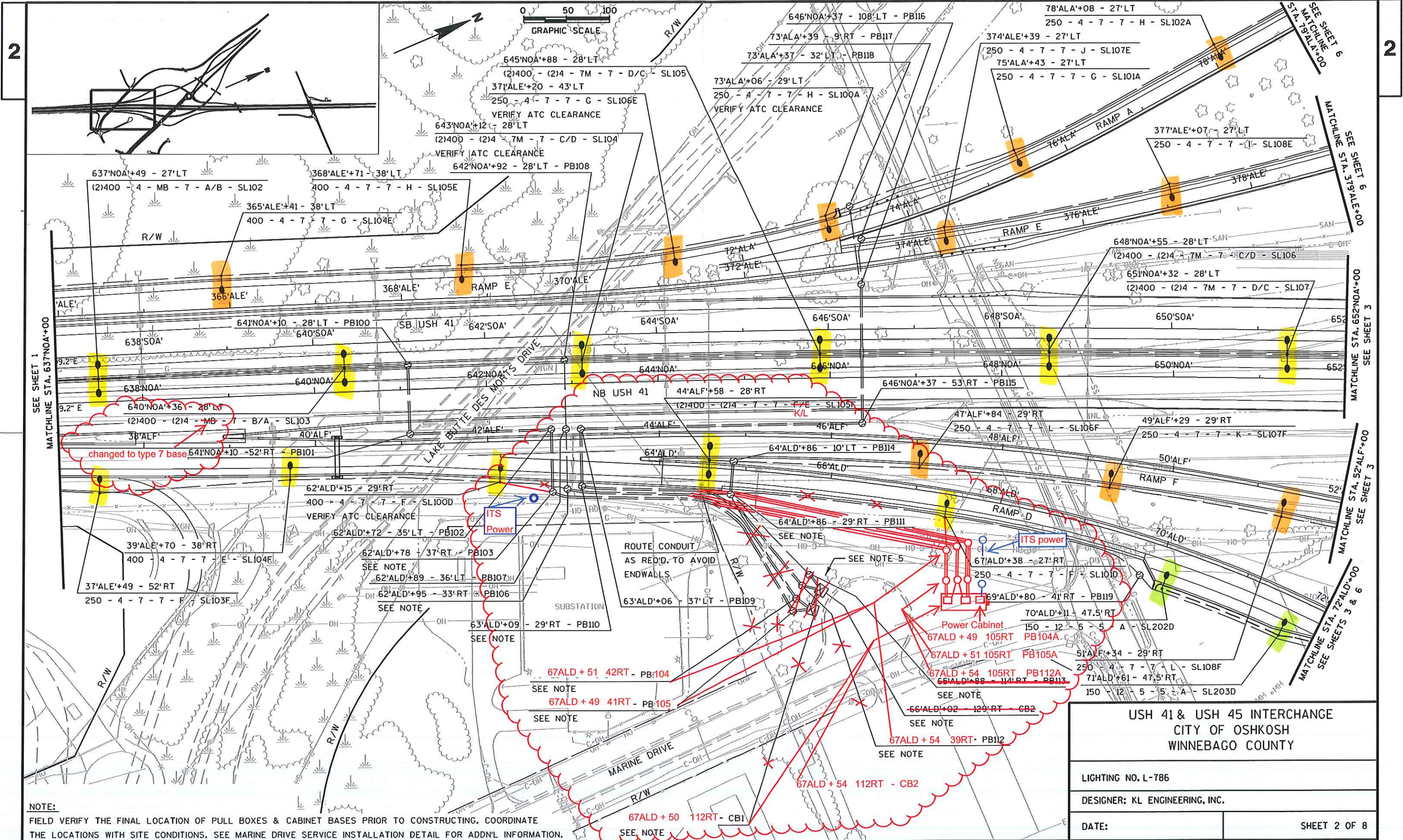
COUNTY: WINNEBAGO

LIGHTING - USH 41, RAMP E & RAMP F

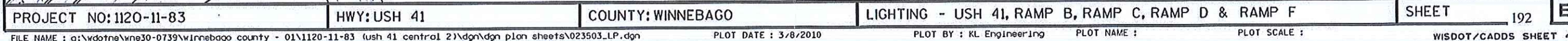
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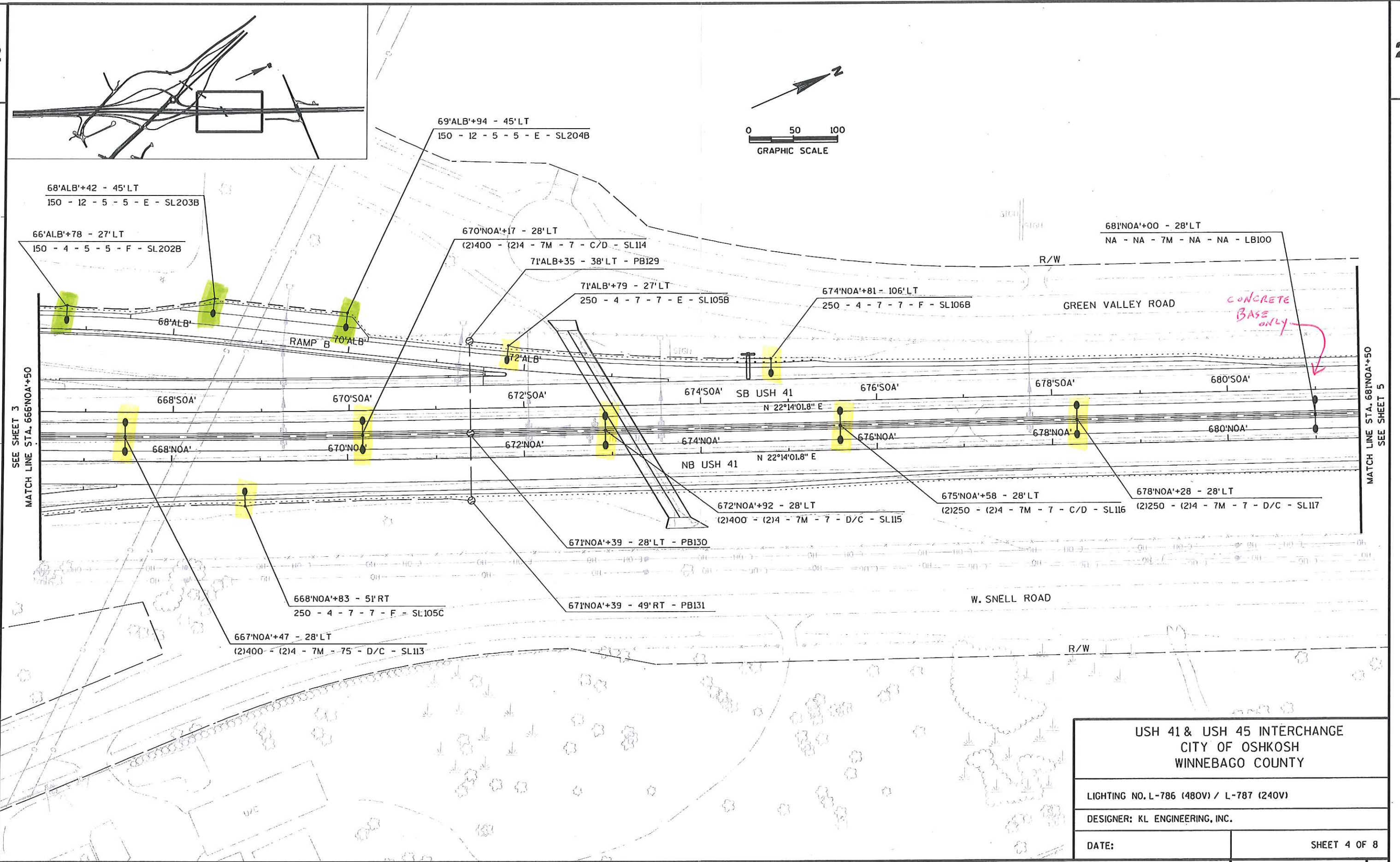
SHEET 188

E



NOTE:
FIELD VERIFY THE FINAL LOCATION OF PULL BOXES & CABINET BASES PRIOR TO CONSTRUCTING. COORDINATE
THE LOCATIONS WITH SITE CONDITIONS. SEE MARINE DRIVE SERVICE INSTALLATION DETAIL FOR ADD'L INFORMATION.





PROJECT NO: 1120-11-83

HWY: USH 41

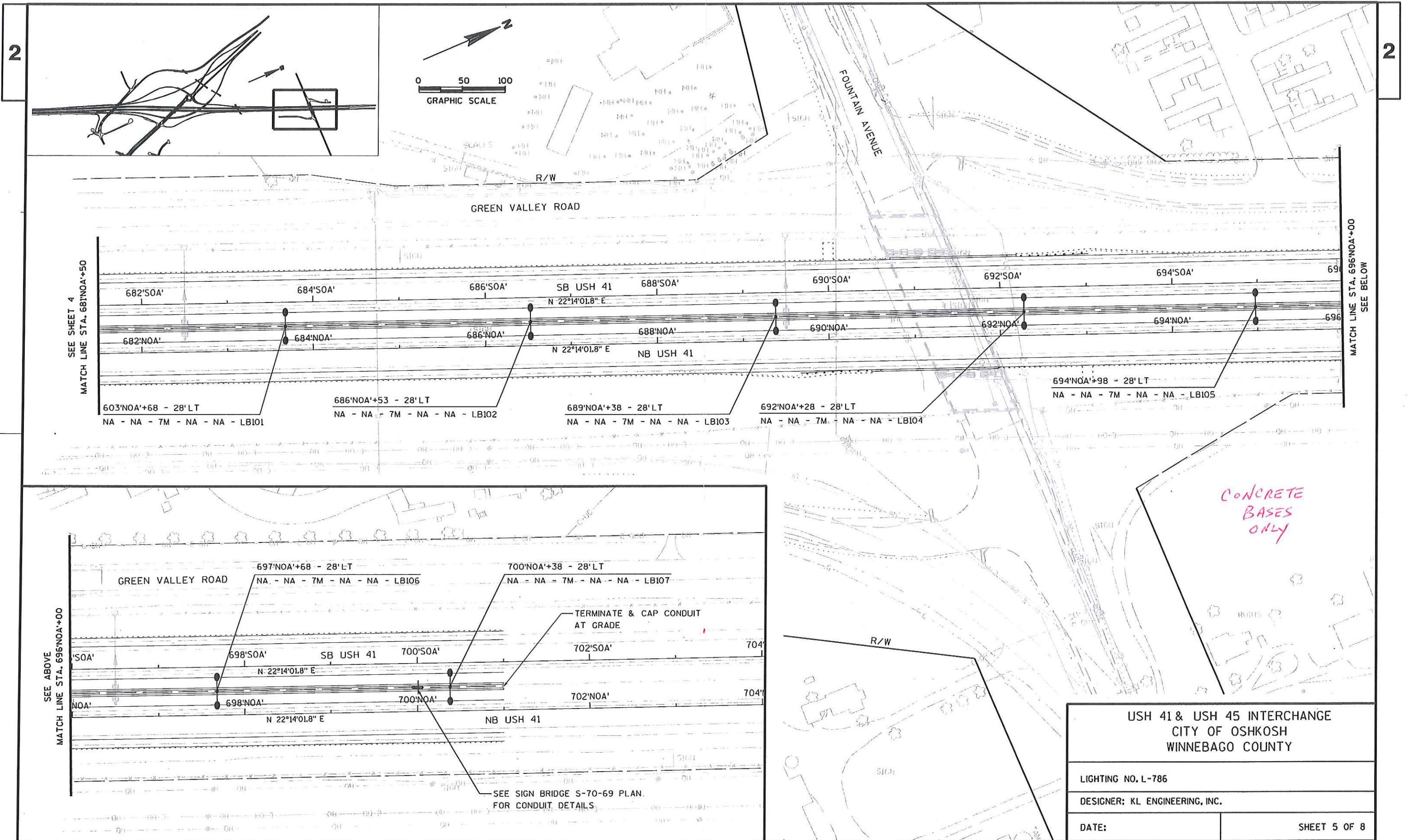
COUNTY: WINNEBAGO

LIGHTING - USH 41 & RAMP B

SHEET

194

E



PROJECT NO: 1120-11-83	HWY: USH 41	COUNTY: WINNEBAGO	LIGHTING PLANS - USH 41	SHEET 196	E
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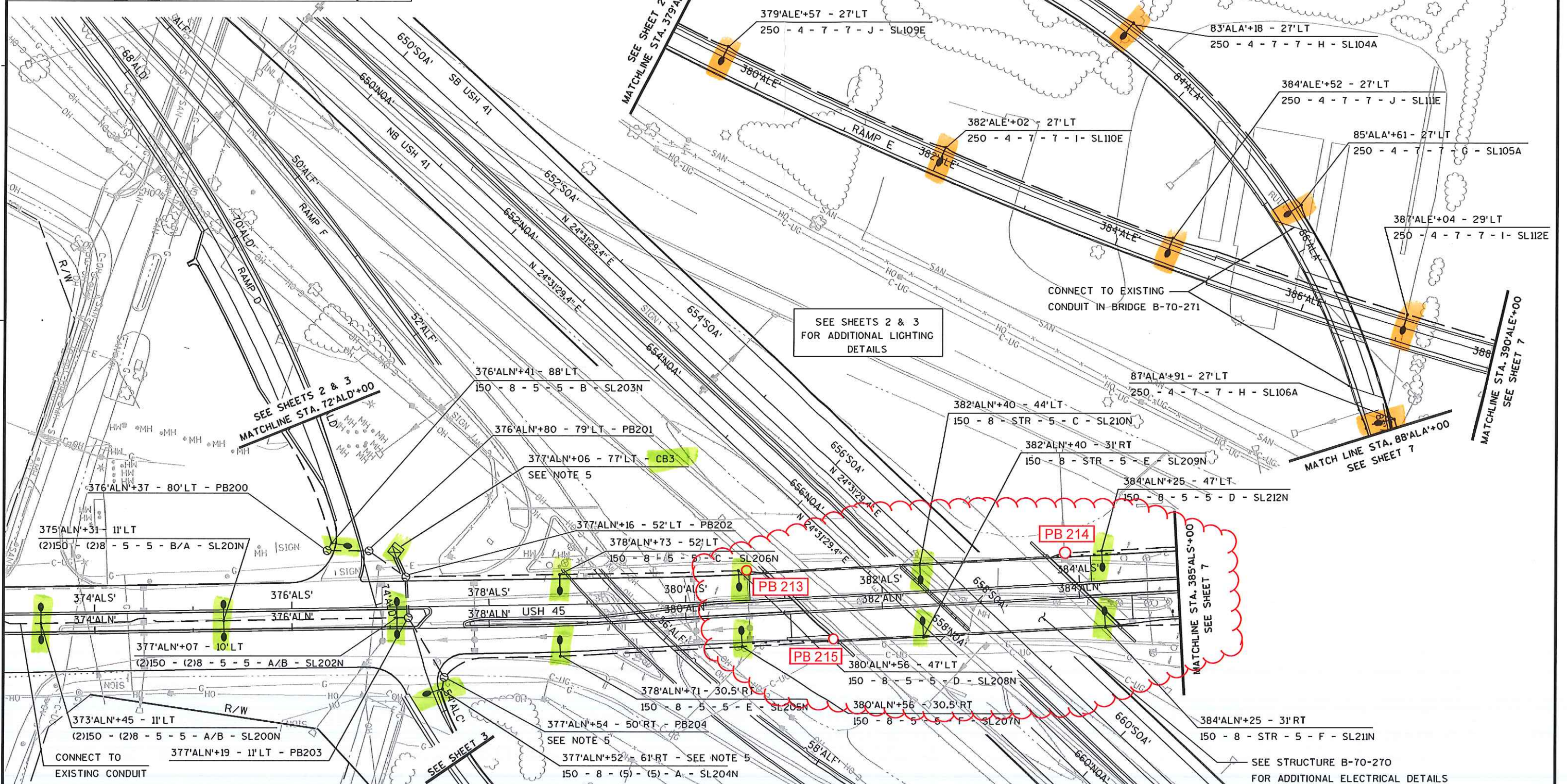
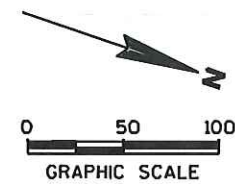
USH 41 & USH 45 INTERCHANGE
CITY OF OSHKOSH
WINNEBAGO COUNTY

LIGHTING NO. L-786 (480V) / L-787 (240V)

DESIGNER: KL ENGINEERING, INC.

DATE:

SHEET 6 OF 8



PROJECT NO: 1120-11-83

HWY: USH 41

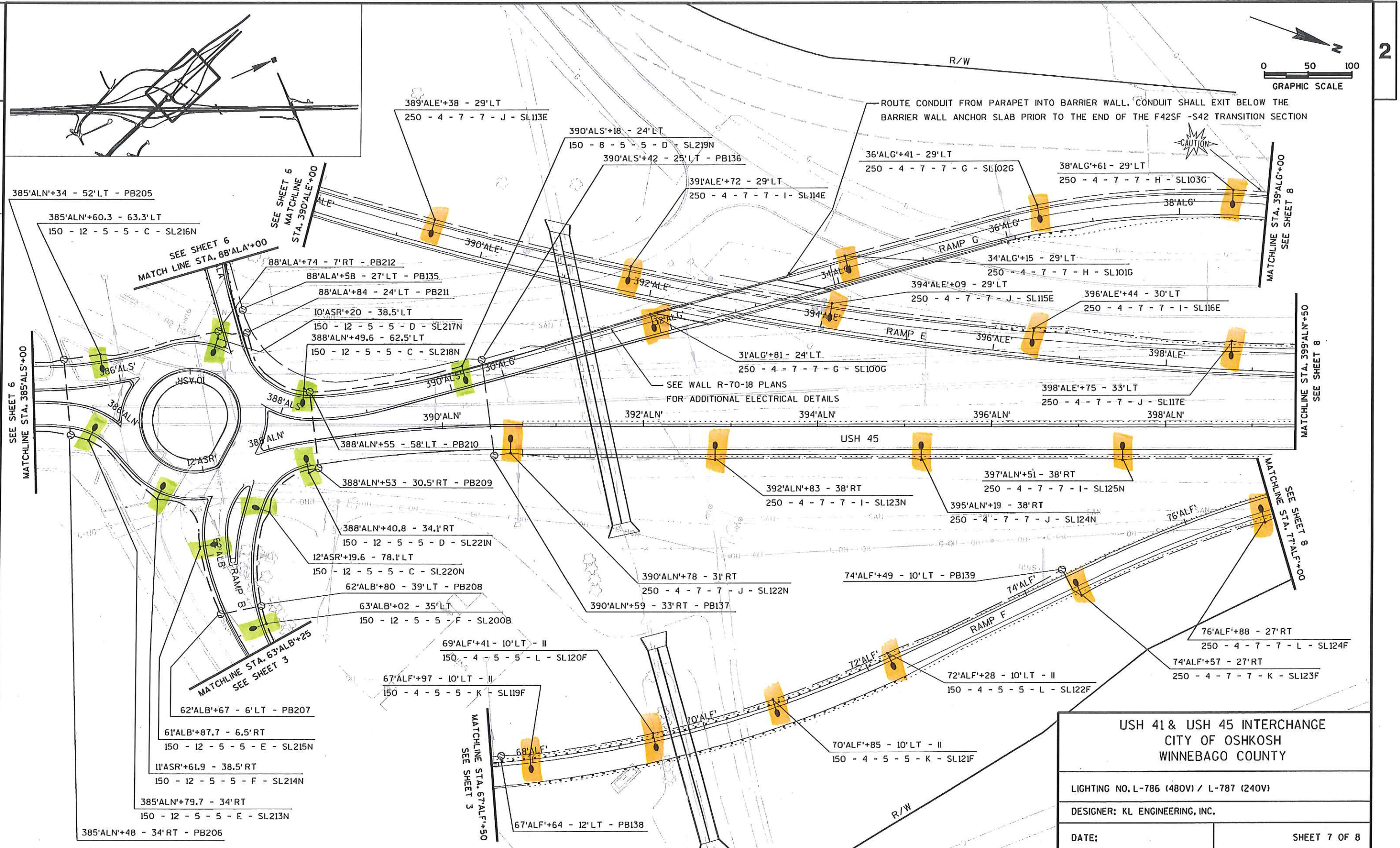
COUNTY: WINNEBAGO

LIGHTING - USH 45 - RAMP A, RAMP D & RAMP E

SHEET

198

E



**USH 41 & USH 45 INTERCHANGE
CITY OF OSHKOSH
WINNEBAGO COUNTY**

LIGHTING NO. L-786 (480V) / L-787 (240V)

DESIGNER: KL ENGINEERING, INC.

DATE:

SHEET 7 OF 8

PROJECT NO: 1120-11-83

HWY: USH 41

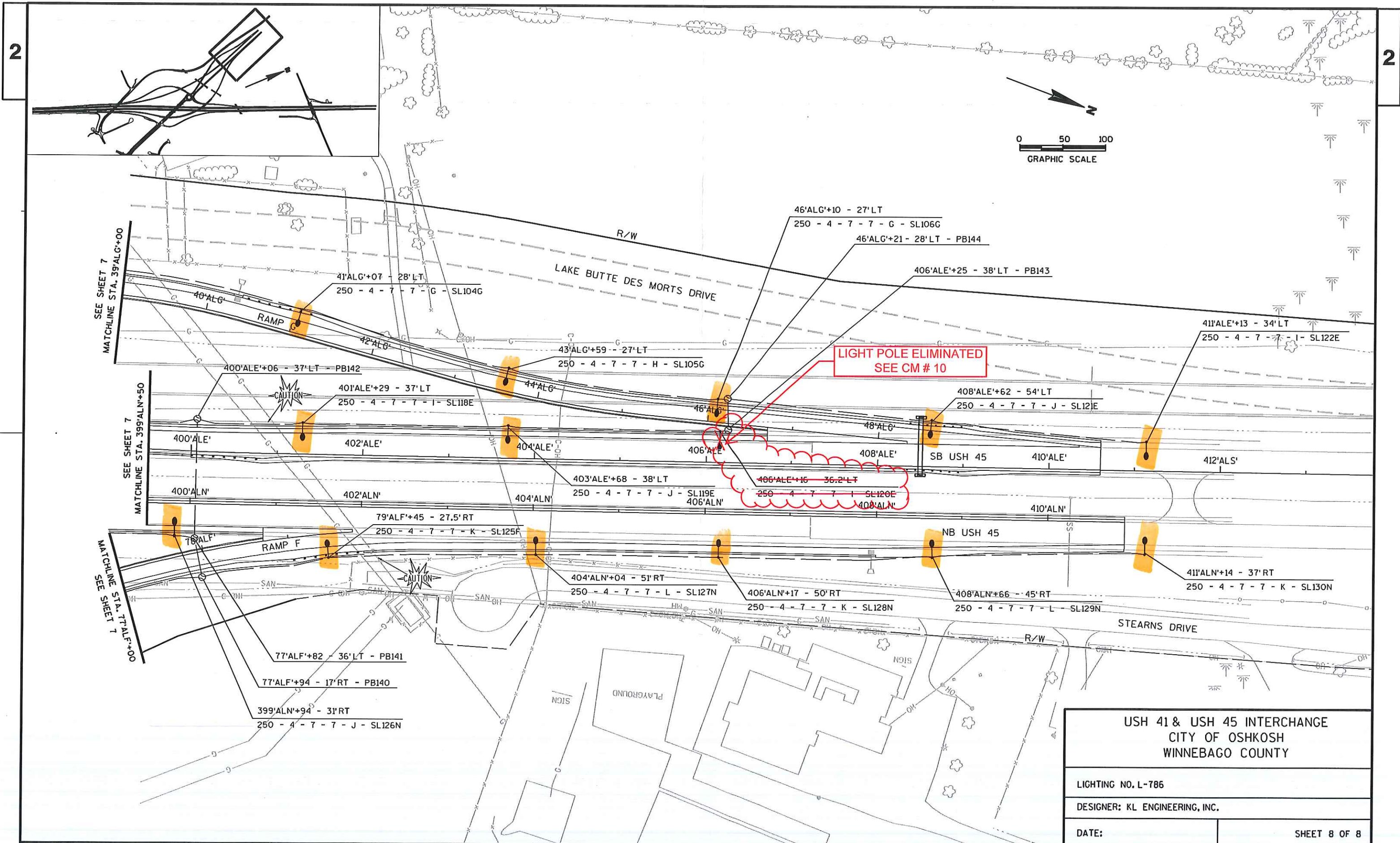
COUNTY: WINNEBAGO

LIGHTING - USH 45, RAMP A, RAMP B, RAMP E, RAMP F & RAMP G

SHEET

200

E



USH 41 & USH 45 INTERCHANGE CITY OF OSHKOSH WINNEBAGO COUNTY	
LIGHTING NO. L-786	
DESIGNER: KL ENGINEERING, INC.	
DATE:	SHEET 8 OF 8