






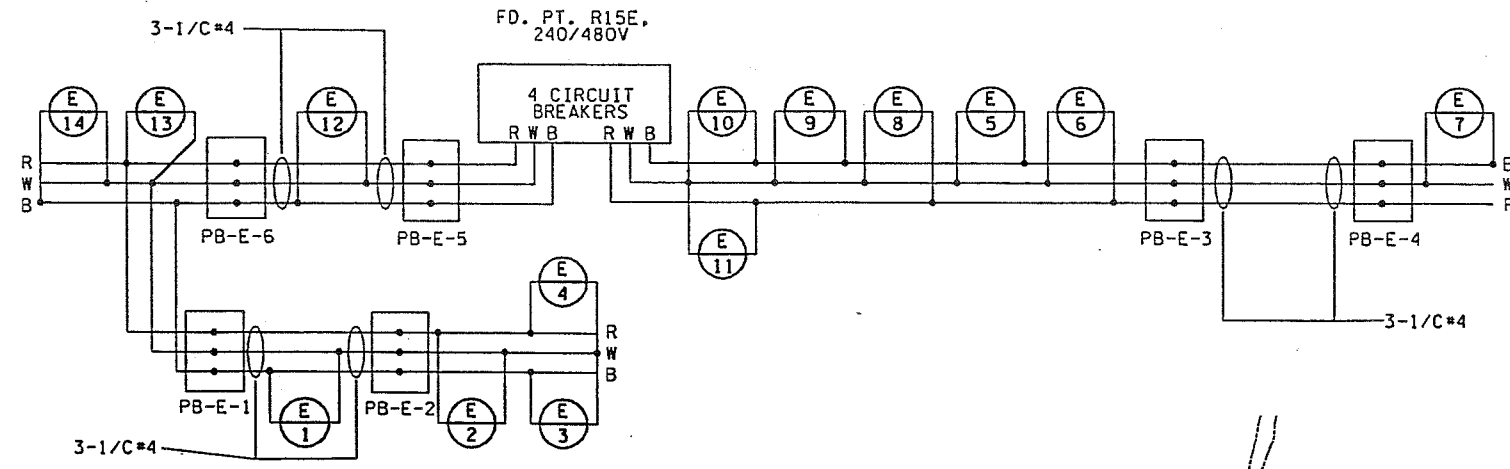


MN/DOT FD. PT. R15E

LEGEND

-  PAD MOUNTED SERVICE CABINET (TYPE L1 - SEE SHEET T7LD09)
-  3" NON-METALLIC CONDUIT
-  DIRECT BURIED POWER CABLE-4 CONDUCTOR NO. 4 A.W.G. ARMORED CABLE (SPEC. NO. 3815)
-  PERMANENT GROUND ROD (25 OHMS OR LESS)
-  250 WATT HPS VERTICAL MOUNT LIGHTING UNIT
-  250 WATT HPS TWIN VERTICAL MOUNT LIGHTING UNIT
-  PULL BOX

LIGHTING STANDARDS AND BASES					
NO.	STATION	LT.	RT.	LOCATION	TYPE
1	939+40		XX	T.H. 212 E.B.	VMB-40
2	941+86		XX	T.H. 212 E.B.	VM-45
3	944+40		XX	T.H. 212 E.B.	VMD-45
4	965+15		XX	T.H. 212 E.B.	VM-45
5	967+65		XX	T.H. 212 E.B.	VM-45
7	970+15		XX	T.H. 212 E.B.	VM-45
8	966+27	XX		T.H. 212 W.B.	VM-45
9	963+79	XX		T.H. 212 W.B.	VM-45
10	961+26	XX		T.H. 212 W.B.	VMD-45
12	939+27	XX		T.H. 212 W.B.	VMB-40
13	936+77	XX		T.H. 212 W.B.	VM-45
14	934+27	XX		T.H. 212 W.B.	VM-45

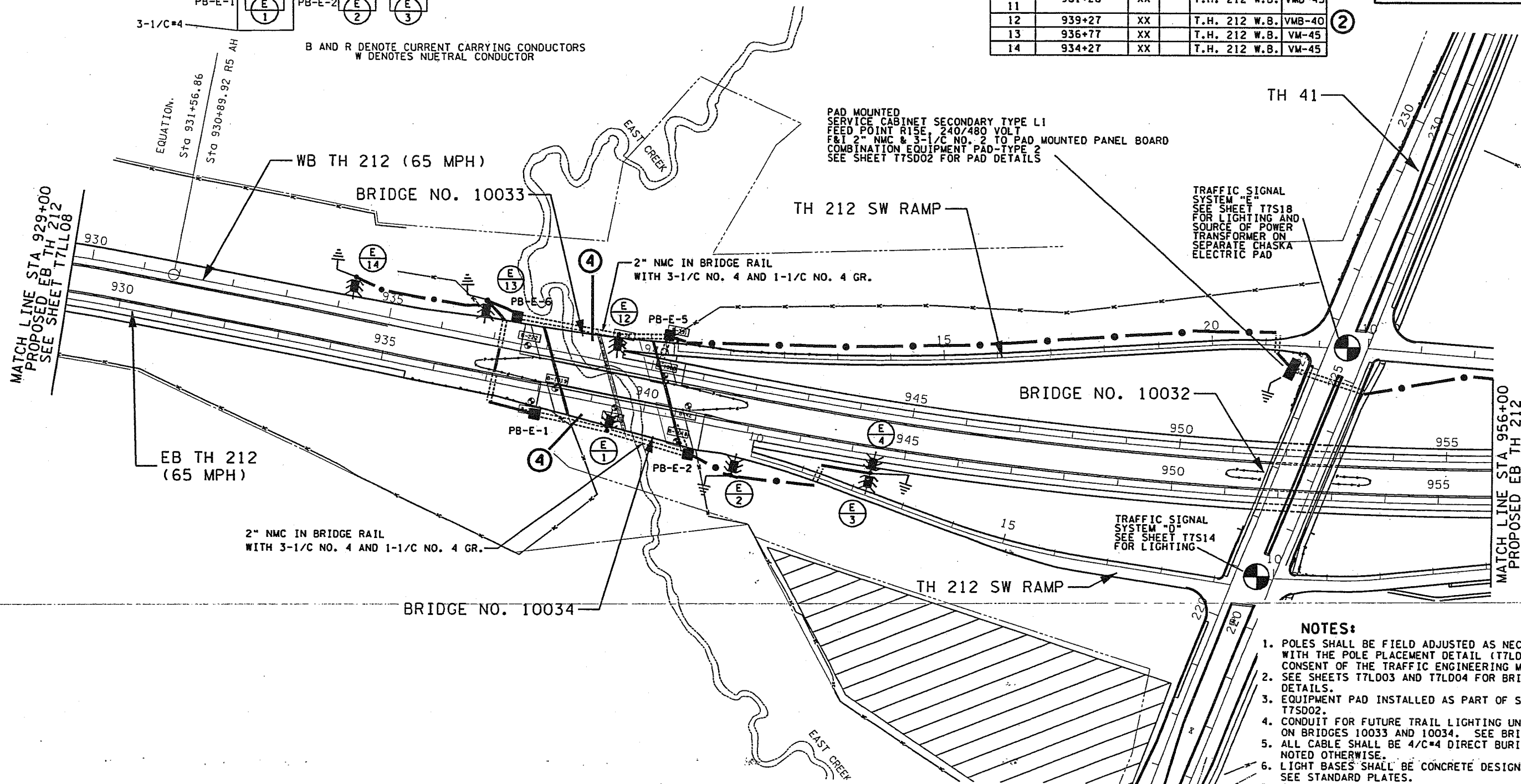


B AND R DENOTE CURRENT CARRYING CONDUCTORS
W DENOTES NEUTRAL CONDUCTOR

PAD MOUNTED SERVICE CABINET SECONDARY TYPE L1
FEED POINT RISE, 240/480 VOLT
F&I 2" NMC & 3-1/C NO. 2 TO PAD MOUNTED PANEL BOARD
COMBINATION EQUIPMENT PAD-TYPE 2
SEE SHEET T7SD02 FOR PAD DETAILS

TRAFFIC SIGNAL SYSTEM "E"
SEE SHEET T7S18 FOR LIGHTING AND SOURCE OF POWER TRANSFORMER ON SEPARATE CHASKA ELECTRIC PAD

TRAFFIC SIGNAL SYSTEM "D"
SEE SHEET T7S14 FOR LIGHTING



MATCH LINE STA 929+00
PROPOSED EB TH 212
SEE SHEET T7LLO8

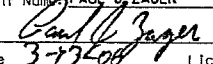
MATCH LINE STA 956+00
PROPOSED EB TH 212
SEE SHEET T7LL10

- NOTES:**
1. POLES SHALL BE FIELD ADJUSTED AS NECESSARY IN ACCORDANCE WITH THE POLE PLACEMENT DETAIL (T7LD07) AND WITH THE CONSENT OF THE TRAFFIC ENGINEERING MANAGER.
 2. SEE SHEETS T7LD03 AND T7LD04 FOR BRIDGE RAIL MOUNTED LIGHT DETAILS.
 3. EQUIPMENT PAD INSTALLED AS PART OF SIGNAL SYSTEM. SEE SHEET T7SD02.
 4. CONDUIT FOR FUTURE TRAIL LIGHTING UNDER BRIDGE TO BE PROVIDED ON BRIDGES 10033 AND 10034. SEE BRIDGE PLANS FOR DETAILS.
 5. ALL CABLE SHALL BE 4/C#4 DIRECT BURIED CABLE UNLESS NOTED OTHERWISE.
 6. LIGHT BASES SHALL BE CONCRETE DESIGN H OR BRIDGE MOUNTED. SEE STANDARD PLATES.
 7. FOR ORNAMENTAL BRIDGE LIGHTING SEE SHEET T7LL25.

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NO	DATE	BY	CRD	APPR	REVISION
	3/13/06	KEL	RJG	PJZ	INITIAL RELEASE FOR CONSTRUCTION

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: PAUL J. ZAGER

 Date: 3-7-06 License # 41642










MN/DOT RELEASED FOR CONSTRUCTION
Date: _____ Mn/DOT

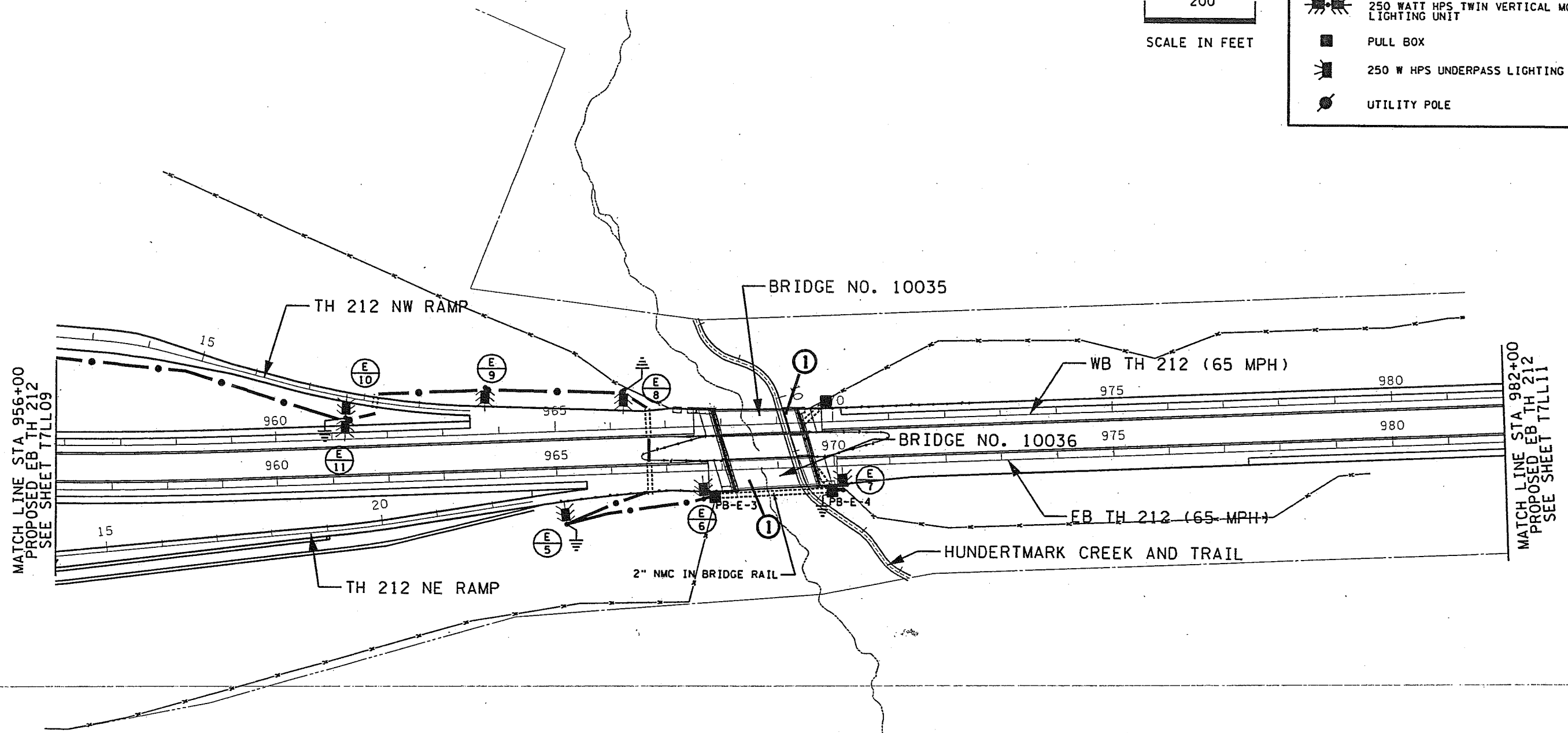
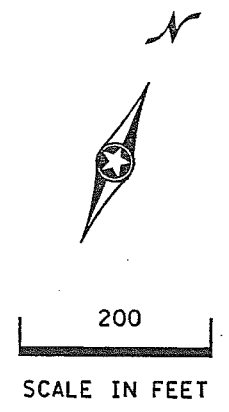


TH 212 DESIGN BUILD (SP 1017-12)
 LIGHTING LAYOUT
 TH 212/TH 41 INTERCHANGE
 STA 929+00 TO STA 956+00

SHEET T7LL09 OF T7LL26

LEGEND

-  PAD MOUNTED SERVICE CABINET (TYPE L1 - SEE SHEET T7LD09)
-  3" NON-METALLIC CONDUIT
-  DIRECT BURIED POWER CABLE-4 CONDUCTOR NO. 4 A.W.G. ARMORED CABLE (SPEC. NO. 3815)
-  PERMANENT GROUND ROD (25 OHMS OR LESS)
-  250 WATT HPS VERTICAL MOUNT LIGHTING UNIT
-  250 WATT HPS TWIN VERTICAL MOUNT LIGHTING UNIT
-  PULL BOX
-  250 W HPS UNDERPASS LIGHTING UNIT
-  UTILITY POLE



NOTES:

1. CONDUIT FOR FUTURE TRAIL LIGHTING UNDER BRIDGE TO BE PROVIDED ON BRIDGES 10035 AND 10036. SEE BRIDGE PLANS FOR DETAILS.
2. POLES SHALL BE FIELD ADJUSTED AS NEEDED IN ACCORDANCE WITH THE POLE PLACEMENT DETAIL (T7LD07) AND WITH THE CONSENT OF THE TRAFFIC ENGINEERING MANAGER.
3. SEE SHEET T7LD03 AND T7LD04 FOR BRIDGE RAIL MOUNTED SIGNS.
4. ALL CABLE SHALL BE 4/C*4 DIRECT BURIED CABLE UNLESS NOTED OTHERWISE.
5. LIGHT BASES SHALL BE CONCRETE DESIGN H OR BRIDGE MOUNTED. SEE STANDARD PLATES.

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0	3/13/06	KEL	RJG	PJZ	INITIAL RELEASE FOR CONSTRUCTION
NO	DATE	BY	CHKD	APPR	REVISION
...Layouts\cl01712_T7LL10A.dgn					

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: PAUL A. ZAGER
Paul A. Zager
 Date: 3-19-06 License # 41642

MN/DOT RELEASED FOR CONSTRUCTION
 Date: _____ MnDOT



TH 212 DESIGN BUILD (SP 1017-12)
 LIGHTING LAYOUT
 TH 212/TH 41 INTERCHANGE/
 HUNDERTMARK CREEK
 STA 956+00 TO STA 982+00

SHEET
 T7LL10
 OF
 T7LL26