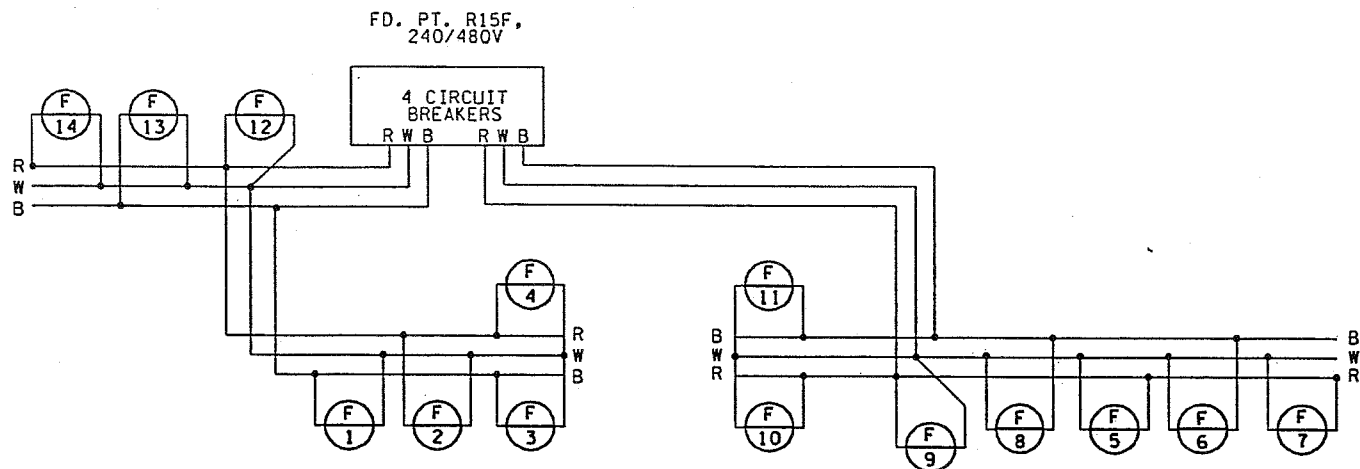


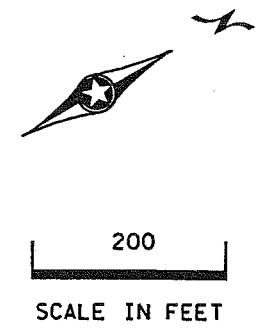
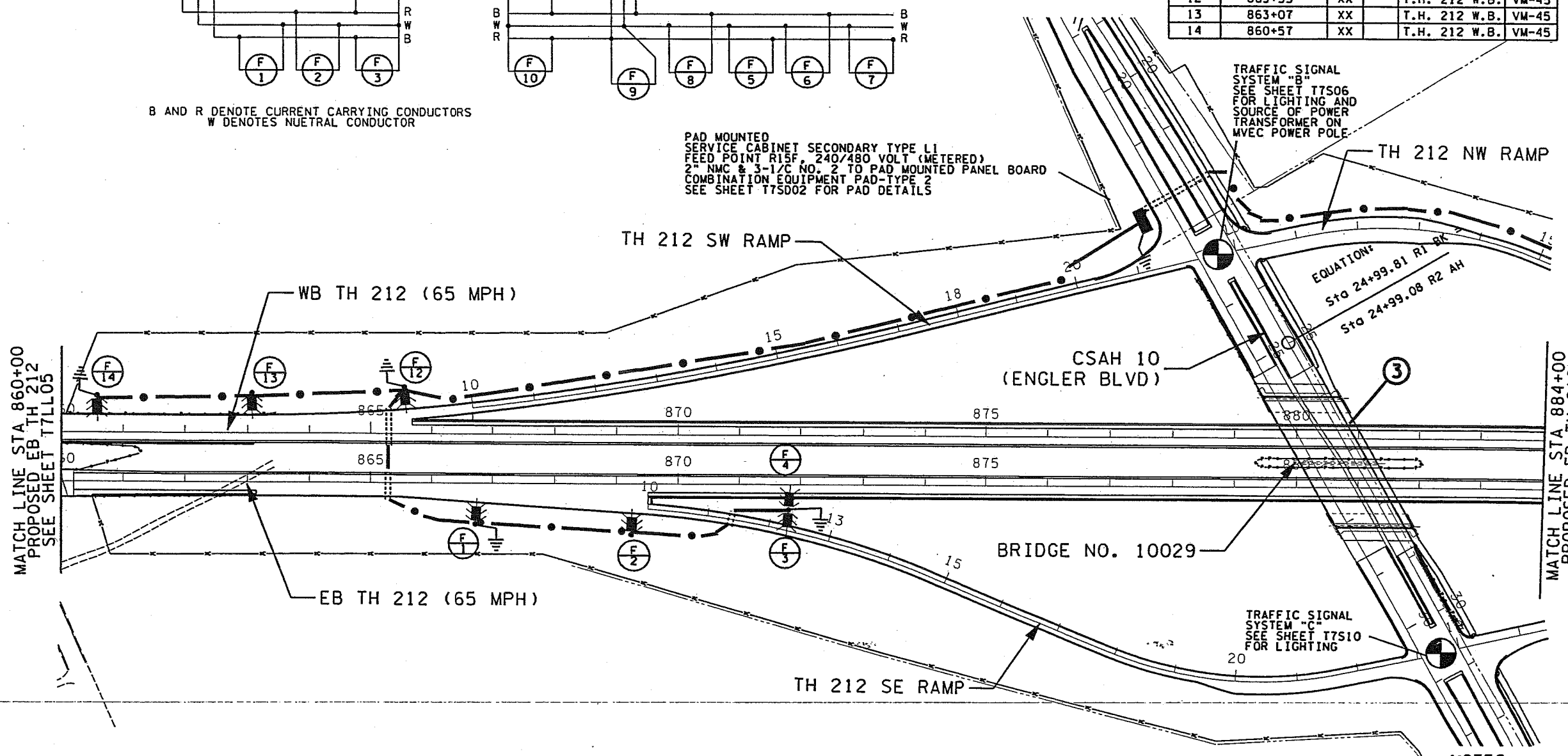
LIGHTING STANDARDS AND BASES					
NO.	STATION	LT.	RT.	LOCATION	TYPE
1	866+73		XX	T.H. 212 E.B.	VM-45
2	869+24		XX	T.H. 212 E.B.	VM-45
3	871+81		XX	T.H. 212 E.B.	VMD-45
4					
5	895+67		XX	T.H. 212 E.B.	VM-45
6	898+17		XX	T.H. 212 E.B.	VM-45
7	900+62		XX	T.H. 212 E.B.	VM-45
8	895+51	XX		T.H. 212 W.B.	VM-45
9	893+05	XX		T.H. 212 W.B.	VM-45
10					
11	890+54	XX		T.H. 212 W.B.	VMD-45
12	865+55	XX		T.H. 212 W.B.	VM-45
13	863+07	XX		T.H. 212 W.B.	VM-45
14	860+57	XX		T.H. 212 W.B.	VM-45

- 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



B AND R DENOTE CURRENT CARRYING CONDUCTORS
W DENOTES NEUTRAL CONDUCTOR

PAD MOUNTED SERVICE CABINET SECONDARY TYPE L1
FEED POINT R15F, 240/480 VOLT (METERED)
2" NMC & 3-1/2" NO. 2 TO PAD MOUNTED PANEL BOARD
COMBINATION EQUIPMENT PAD-TYPE 2
SEE SHEET T7SD02 FOR PAD DETAILS



MATCH LINE STA 860+00
PROPOSED EB TH 212
SEE SHEET T7LL05

MATCH LINE STA 884+00
PROPOSED EB TH 212
SEE SHEET T7LL07

- NOTES:**
- EQUIPMENT PAD INSTALLED AS PART OF SIGNAL SYSTEM SEE SHEET T7SD02.
 - POLES SHALL BE FIELD ADJUSTED AS NECESSARY IN ACCORDANCE WITH THE POLE PLACEMENT DETAIL (T7LD07) INCLUDED AND WITH THE CONSENT OF THE TRAFFIC ENGINEERING MANAGER.
 - CONDUIT AND BLISTERS TO BE INSTALLED ON BOTH SIDES OF BRIDGE 10029 FOR FUTURE ORNAMENTAL BRIDGE LIGHTING. SEE BRIDGE PLANS FOR DETAILS.
 - ALL CABLE SHALL BE 4/C*4 DIRECT BURIED CABLE UNLESS NOTED OTHERWISE.
 - LIGHT BASES SHALL BE CONCRETE DESIGN H. 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_T7LL06A.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 J. ZAGER
Paul J. Zager
Date: 3-13-06 License # 41642

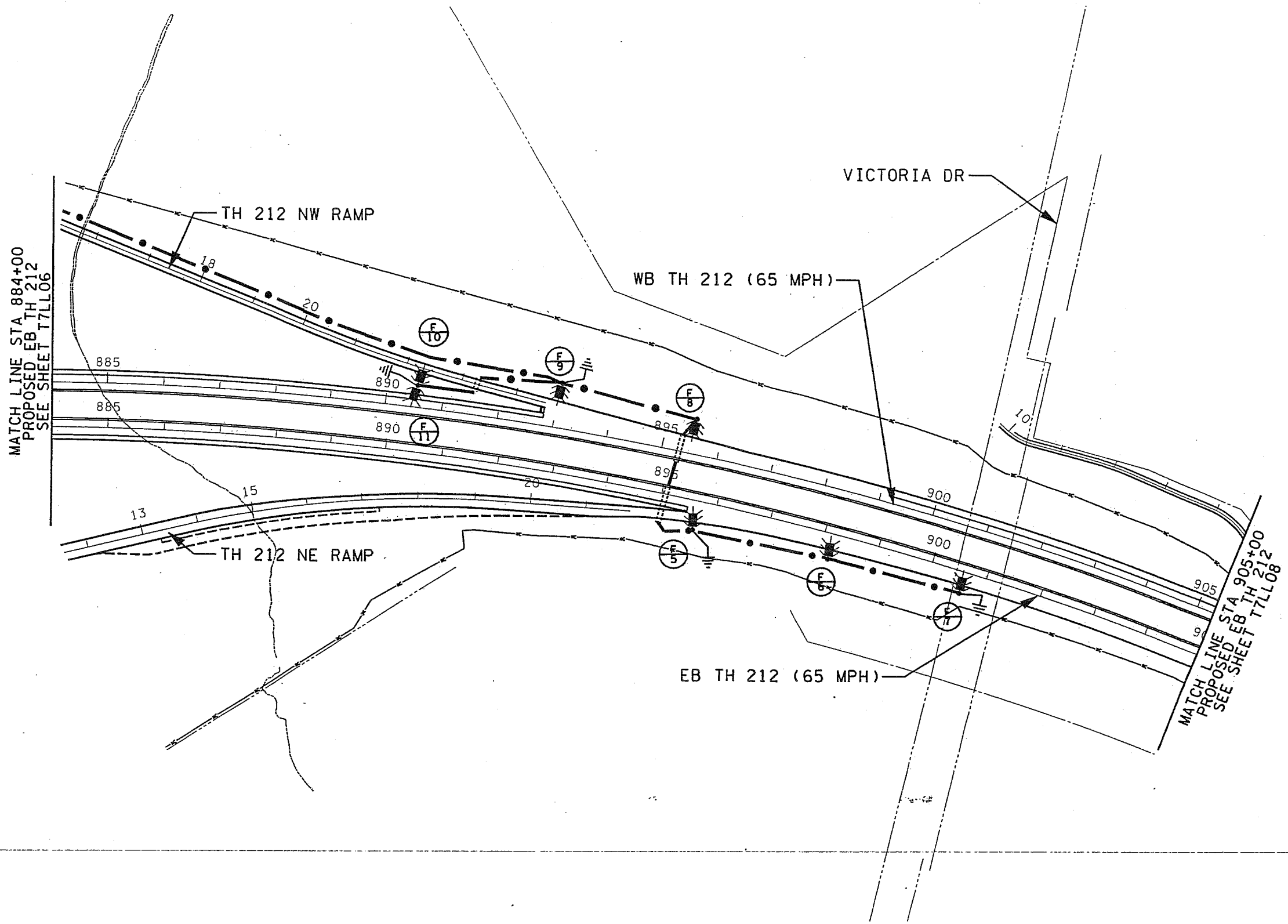
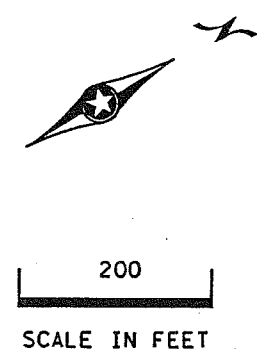
MN/DOT RELEASED FOR CONSTRUCTION
Date _____ MnDOT



TH 212 DESIGN BUILD (SP 1017-12)		SHEET T7LL06 OF T7LL26
LIGHTING LAYOUT		
TH 212/CSAH 10 INTERCHANGE STA 860+00 TO STA 884+00		

LEGEND

-  PAD MOUNTED SERVICE CABINET (TYPE L1 - SEE SHEET T7LD09)
-  3" NMC 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



MATCH LINE STA 884+00
PROPOSED EB TH 212
SEE SHEET T7LL06

MATCH LINE STA 905+00
PROPOSED EB TH 212
SEE SHEET T7LL08

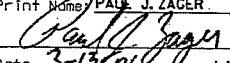
NOTES:

1. POLES SHALL BE FIELD ADJUSTED AS NECESSARY IN ACCORDANCE WITH POLE PLACEMENT DETAIL (T7LD07) AND WITH THE CONSENT OF THE TRAFFIC ENGINEERING MANAGER.
2. ALL CABLE SHALL BE 4/C*4 DIRECT BURIED CABLE UNLESS NOTED OTHERWISE.
3. LIGHT BASES SHALL BE CONCRETE DESIGN H. SEE STANDARD PLATES.

10:51:28 AM
3/13/2006
Z:\113-0 CAD\Drawings\T7LL07A.dgn

0	3/13/06	KEL	RJK	PJZ	INITIAL RELEASE FOR CONSTRUCTION
NO	DATE	BY	CKD	APPR	REVISION
... \Layouts\c101712.T7LL07A.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 J. ZAGER

 Date: 3-13-06 License # 41642

MN/DOT RELEASED FOR CONSTRUCTION

Date _____ MnDOT



TH 212 DESIGN BUILD (SP 1017-12) LIGHTING LAYOUT TH 212/CSAH 10 INTERCHANGE STA 884+00 TO STA 905+00	SHEET T7LL07 OF T7LL26
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