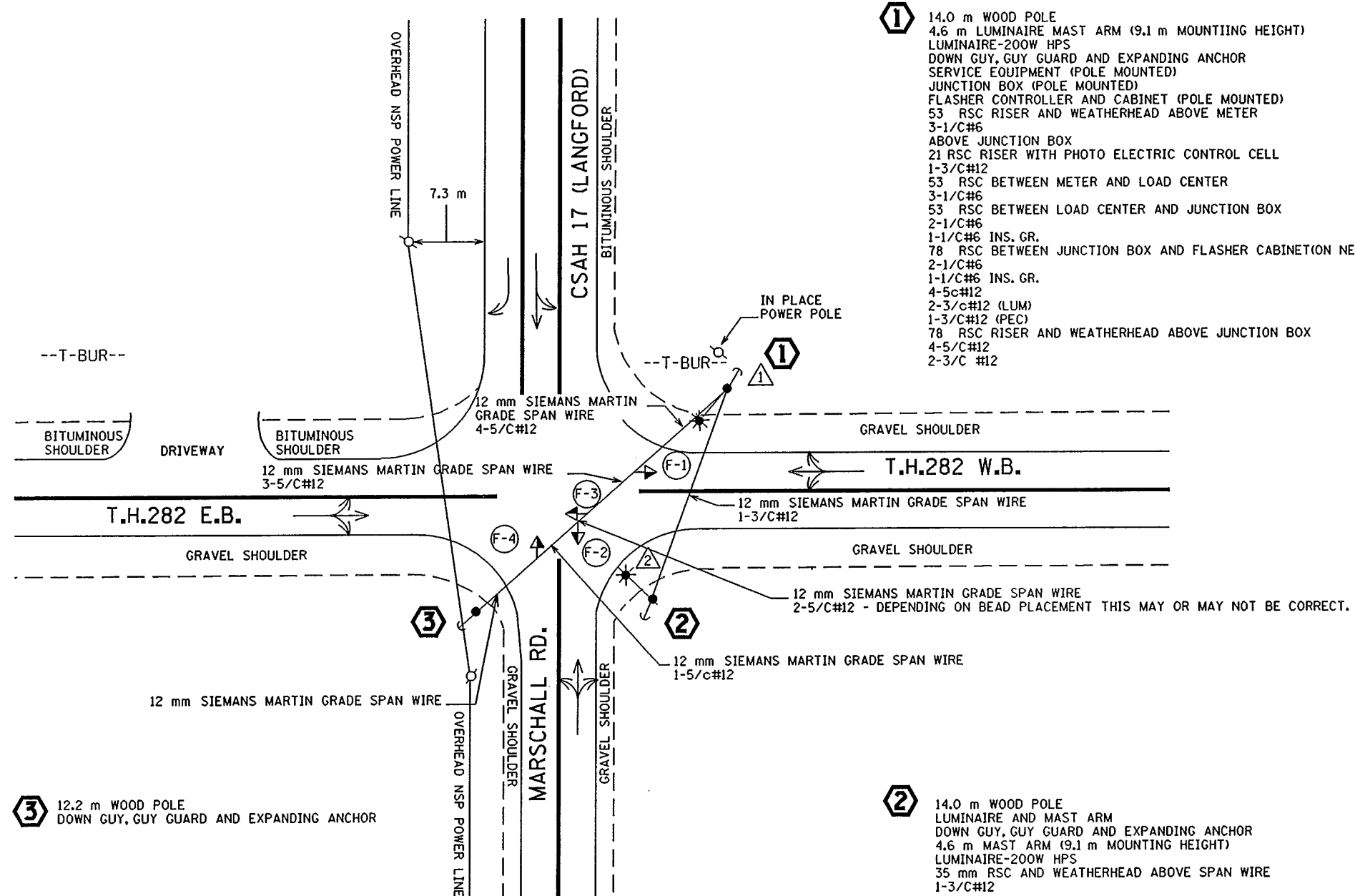




INTERSECTION LAYOUT

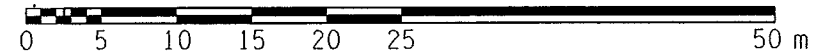


- 1** 14.0 m WOOD POLE
 4.6 m LUMINAIRE MAST ARM (9.1 m MOUNTING HEIGHT)
 LUMINAIRE-200W HPS
 DOWN GUY, GUY GUARD AND EXPANDING ANCHOR
 SERVICE EQUIPMENT (POLE MOUNTED)
 JUNCTION BOX (POLE MOUNTED)
 FLASHER CONTROLLER AND CABINET (POLE MOUNTED)
 53 RSC RISER AND WEATHERHEAD ABOVE METER
 3-1/C#6
 ABOVE JUNCTION BOX
 21 RSC RISER WITH PHOTO ELECTRIC CONTROL CELL
 1-3/C#12
 53 RSC BETWEEN METER AND LOAD CENTER
 3-1/C#6
 53 RSC BETWEEN LOAD CENTER AND JUNCTION BOX
 2-1/C#6
 1-1/C#6 INS. GR.
 78 RSC BETWEEN JUNCTION BOX AND FLASHER CABINET (ON NEW LINE)
 2-1/C#6
 1-1/C#6 INS. GR.
 4-5/C#12
 2-3/C#12 (LUM)
 1-3/C#12 (PEC)
 78 RSC RISER AND WEATHERHEAD ABOVE JUNCTION BOX
 4-5/C#12
 2-3/C #12

- 3** 12.2 m WOOD POLE
 DOWN GUY, GUY GUARD AND EXPANDING ANCHOR

- 2** 14.0 m WOOD POLE
 LUMINAIRE AND MAST ARM
 DOWN GUY, GUY GUARD AND EXPANDING ANCHOR
 4.6 m MAST ARM (9.1 m MOUNTING HEIGHT)
 LUMINAIRE-200W HPS
 35 mm RSC AND WEATHERHEAD ABOVE SPAN WIRE
 1-3/C#12

- NOTES:
- SEE SPECIAL PROVISIONS FOR STATE FURNISHED MATERIALS.
 - THE LUMINAIRES SHALL HAVE CHECK SWITCHES AS PART OF THE STATE FURNISHED FLASHER CABINET. A PHOTO ELECTRIC CELL SHALL BE FURNISHED AND INSTALLED AS SHOWN ON DETAIL.
 - ALL UTILITY LOCATIONS SHOWN ON THIS PLAN ARE APPROXIMATE. IT SHALL BE THE CONTRACTORS RESPONSIBILITY, TO UTILIZE THE "ONE CALL EXCAVATION NOTICE SYSTEM" (PH. 454-0002) REQUIRED BY MINNESOTA STATUE 2160.
 - EXACT LOCATION OF POLES AND OVERHEAD FLASHER UNITS SHALL BE DETERMINED BY TRAFFIC OFFICE PERSONNEL.

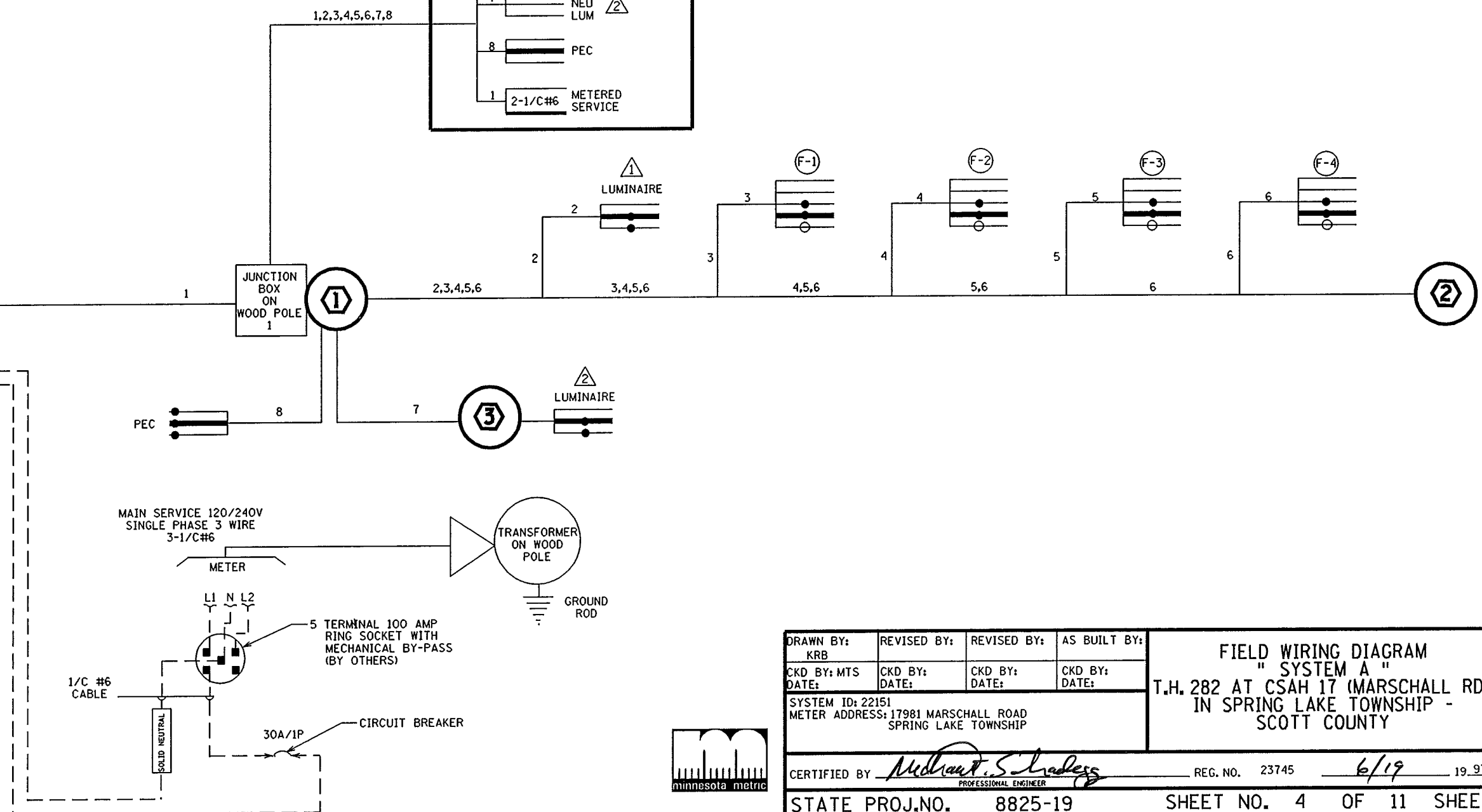
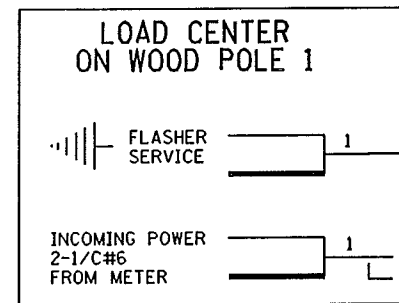
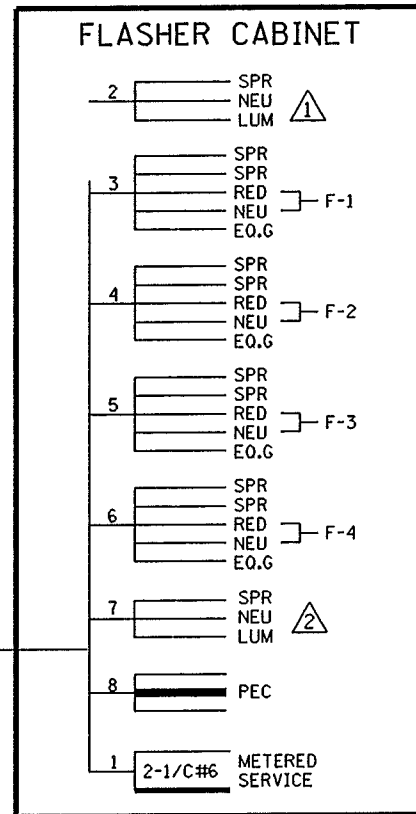


FLASHING BEACON SYSTEM OPERATION
 - NORMAL OPERATION IS FLASHING RED IN ALL DIRECTIONS

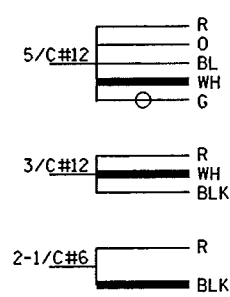


DRAWN BY: KRB	REVISED BY:	REVISED BY:	AS BUILT BY:	INTERSECTION LAYOUT " SYSTEM A " T.H. 282 AT CSAH 17 (MARSCHALL RD.) IN SPRING LAKE TOWNSHIP - SCOTT COUNTY
CKD BY: MTS DATE:	CKD BY: DATE:	CKD BY: DATE:	CKD BY: DATE:	
SYSTEM ID: 22151 METER ADDRESS: 17981 MARSCHALL ROAD SPRING LAKE TOWNSHIP				
CERTIFIED BY: <i>Andrew Shalys</i> PROFESSIONAL ENGINEER			REG. NO. 23745	6/19 19 97
STATE PROJ. NO. 8825-19		SHEET NO. 3 OF 11 SHEETS		

WIRING DIAGRAM



CONDUCTOR COLOR CODE



NOTE:
ALL TERMINAL BLOCK CONNECTIONS SHALL BE ARRANGED AS SPECIFIED



DRAWN BY: KRB	REVISED BY:	REVISED BY:	AS BUILT BY:
CKD BY: MTS	CKD BY:	CKD BY:	CKD BY:
DATE:	DATE:	DATE:	DATE:
SYSTEM ID: 22151 METER ADDRESS: 17981 MARSHALL ROAD SPRING LAKE TOWNSHIP			
FIELD WIRING DIAGRAM "SYSTEM A" T.H. 282 AT CSAH 17 (MARSHALL RD.) IN SPRING LAKE TOWNSHIP - SCOTT COUNTY			
CERTIFIED BY: <i>Michael S. Ladegs</i>		REG. NO. 23745	6/19 19 97
STATE PROJ. NO. 8825-19		SHEET NO. 4 OF 11 SHEETS	