

NOTES

1. ALL CABLES SHALL BE A.W.G. #14 UNLESS OTHERWISE NOTED.
2. ELECTRIC SERVICE IS SUPPLIED BY AMEREN CIPS.
3. ELECTRIC CABLE DENOTED AS #10, 3/C BEING INSTALLED TO THE COMBINATION MAST ARM POLES SHALL NOT GO THROUGH THE TERMINAL BLOCK BUT SHOULD BE SPLICED IN POLE. SEE LIGHT POLE FOUNDATION DETAIL.
4. PROPOSED 2/C ELECTRIC CABLE SHOWN IN CABLE DIAGRAM ARE PAID FOR IN FEET AS ELECTRIC CABLE IN CONDUIT, LEAD-IN, NO. 14 (1 PAIR).
5. ALL SIGNAL LENSES SHALL BE 12 INCHES.

- 6a 5' X 5' DETECTOR LOOP WITH 2" CORE DRILLED CORNERS. NUMBER INDICATES PHASE, LOWER CASE LETTER INDICATES AMPLIFIER.
- 3a 6' X 20' DETECTOR LOOP WITH 2" CORE DRILLED CORNERS. NUMBER INDICATES PHASE, LOWER CASE LETTER INDICATES AMPLIFIER.
- 6b 5' X 5' LOOP WITH 2" CORE DRILLED CORNERS; NUMBER INDICATES PHASE, LOWER CASE LETTER INDICATES AMPLIFIER, "S" INDICATES SYSTEM LOOP.
- 8a 6' X 10' DETECTOR LOOP WITH 2" CORE DRILLED CORNERS. NUMBER INDICATES PHASE, LOWER CASE LETTER INDICATES AMPLIFIER.

LEGEND

- T TERMINAL BLOCK IN MAST ARM POLE BASE (SEE SPECIAL PROVISIONS).
- ☼ LUMINAIRE. NUMBER INDICATES POSITION OF POLE IN WIRING DIAGRAM. LETTER INDICATES LUMINAIRE ON POLE.
- R 12" TRAFFIC SIGNAL SECTION. LETTER INDICATES COLOR.
- ☒ TRAFFIC SIGNAL CONTROLLER CABINET
- ② INDICATES 2/C TWISTED, SHIELDED CABLE IN CONDUIT
- ⑤ NUMBER IN CIRCLE INDICATES NUMBER OF CONDUCTORS IN THAT CABLE
- (4) NUMBER IN PARENTHESIS INDICATES PHASE
- ☒ LIGHTING CONTROLLER, PHOTOCELL RELAY

WIRING DIAGRAM FOR ROADWAY LIGHTING

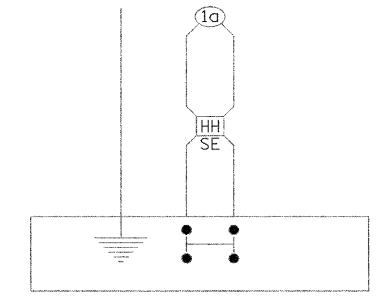
NOTES

- ALL LUMINAIRES ARE 400 WATTS.
- ELECTRIC CABLE IN CONDUIT, 600 V (XLP-TYPE USE) 3/C NO 10 IS USED IN POLES OR LUMINAIRES.

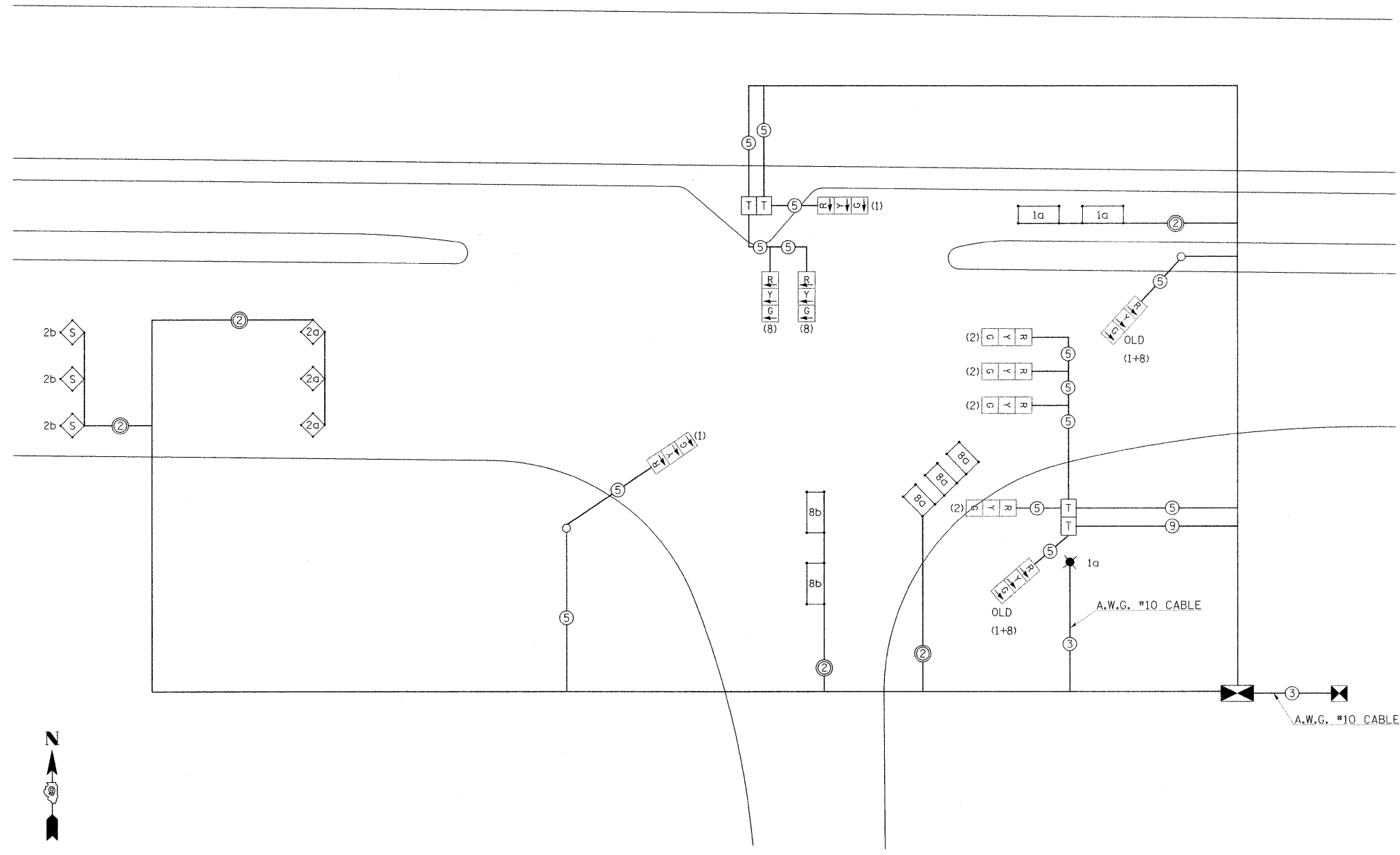
LEGEND

- HH - PROPOSED TRAFFIC SIGNAL HANDHOLE
- 1b - NUMBER INDICATES POSITION OF POLE IN WIRING DIAGRAM. LETTER INDICATES LUMINAIRE ON POLE.
- - PROPOSED GROUND AT LIGHT STANDARD
- ☒ - CONTINUOUS GROUND FOR CONTROL INSTALLATION

HANDHOLE DESIGNATIONS:
SE - SOUTHEAST QUADRANT



PROPOSED CONTROL INSTALLATION
PHOTOCELL RELAY
20 AMP - 240 VOLT



NOT TO SCALE

FILE NAME = c:\pwork\pwork\shepardgd\dms47330\13-Pent-13-Pent-TS.dgn	USER NAME = shepardgd	DESIGNED -	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	TRAFFIC SIGNAL CABLE DIAGRAM ILLINOIS 13 AND PENTECOST ROAD	F.A.P. RTE. 331	SECTION (1-2)N-2,R;(1X-1)N-3,R-2	COUNTY WILLIAMSON	TOTAL SHEETS 202	SHEET NO. 83		
PLOT SCALE = 30,0000 ' / IN.	CHECKED -	REVISED -	REVISED -			SCALE: 1"=30'	SHEET NO. OF SHEETS STA. TO STA.	CONTRACT NO. 98857				
PLOT DATE = 10/14/2009	DATE -	REVISED -	REVISED -			ILLINOIS FED. AID PROJECT						