

**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.
- 4a 6' X 10' 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.
- 7a 6' X 20' 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).
- 1a 1b 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
- 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**

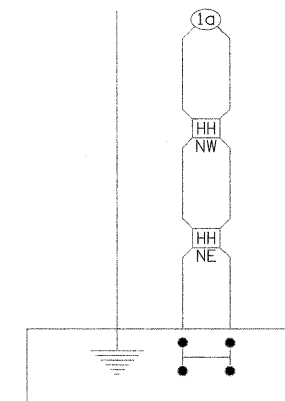
- ALL LUMINAIRES ARE 400 WATTS.
- ELECTRIC CABLE IN CONDUIT, 600 V (XLP-TYPE USE) 3/C NO 10 IS USED IN POLES OR LUMINAIRES.

**LEGEND**

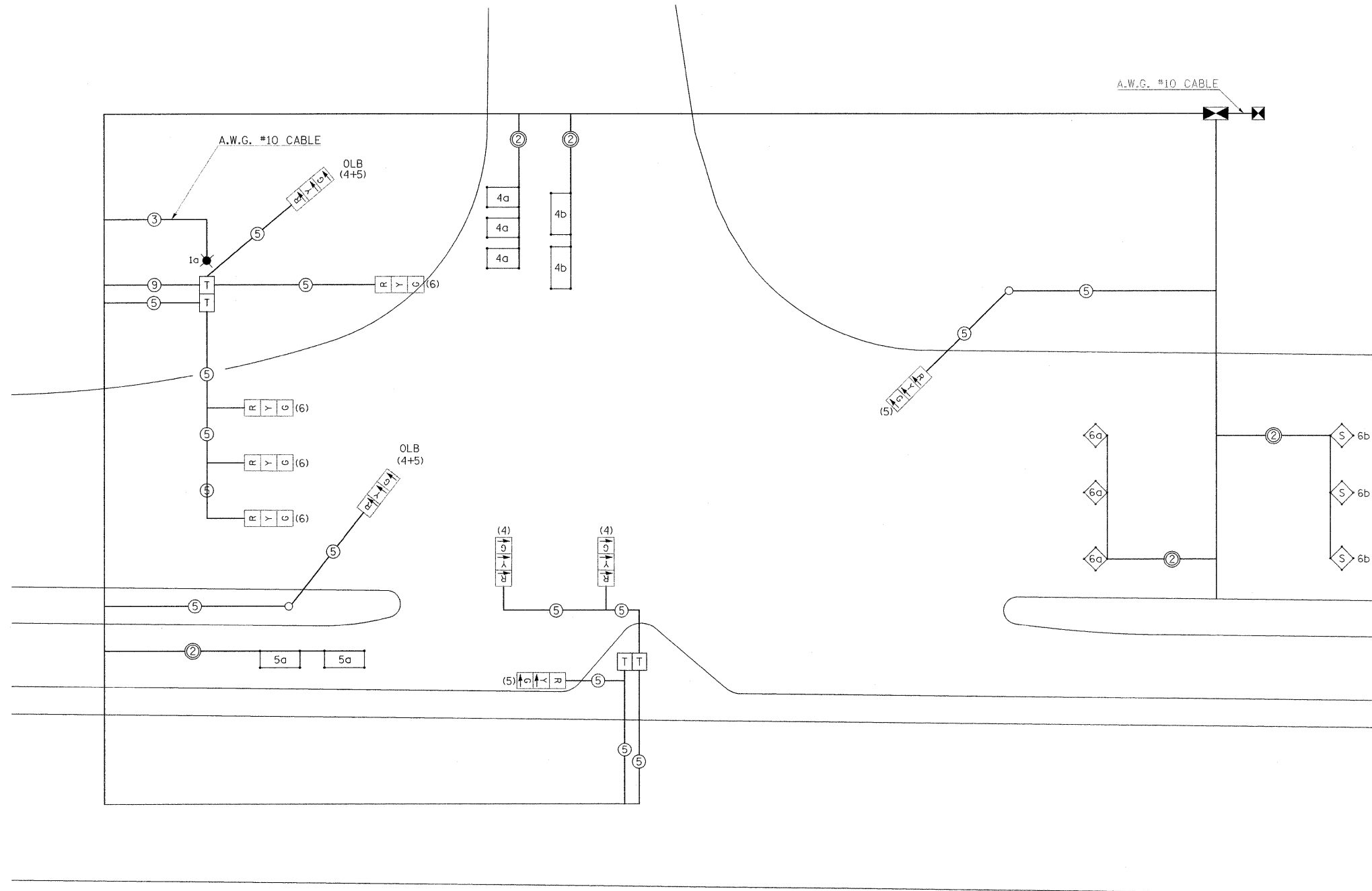
- HH - PROPOSED TRAFFIC SIGNAL HANDHOLE
- 1a - NUMBER INDICATES POSITION OF POLE IN WIRING DIAGRAM. LETTER INDICATES LUMINAIRE ON POLE
- - PROPOSED GROUND AT LIGHT STANDARD
- CONTINUOUS GROUND FOR CONTROL INSTALLATION

**HANDHOLE DESIGNATIONS:**

- NE- NORTHEAST QUADRANT
- NW - NORTHWEST QUADRANT



PROPOSED CONTROL INSTALLATION  
PHOTOCELL RELAY  
20 AMP - 240 VOLT



FILE NAME =	USER NAME = shepardgd	DESIGNED -	REVISED -	<b>STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION</b>	<b>TRAFFIC SIGNAL AND LIGHTING CABLE DIAGRAM AT ILLINOIS 13 AND TERMINAL DRIVE</b>			F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
ca:\pwork\pwork\DOT\SHEPARDD\dms47330\fdstml3-Term-sht-TS.dgn	PLOT SCALE = 30.0000' / IN.	DRAWN -	REVISED -					331	(1-2)N-2,R;(1X-1)N-3,R-2	WILLIAMSON	202	81
PLOT DATE = 10/14/2009	DATE -	CHECKED -	REVISED -		SCALE: 1"=30' SHEET NO. OF SHEETS STA. TO STA.			CONTRACT NO. 98857				
					ILLINOIS FED. AID PROJECT							