

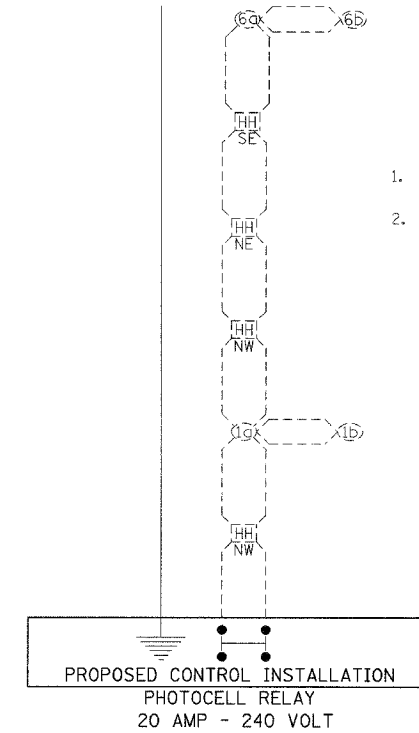
F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
331	*	JACKSON	225	69
STA.		TO STA.		
FED. ROAD DIST. NO.		ILLINOIS	FED. AID PROJECT	

* (12-1)2N, I-5, TS-3, B-1

WIRING DIAGRAM FOR ROADWAY LIGHTING

NOTES

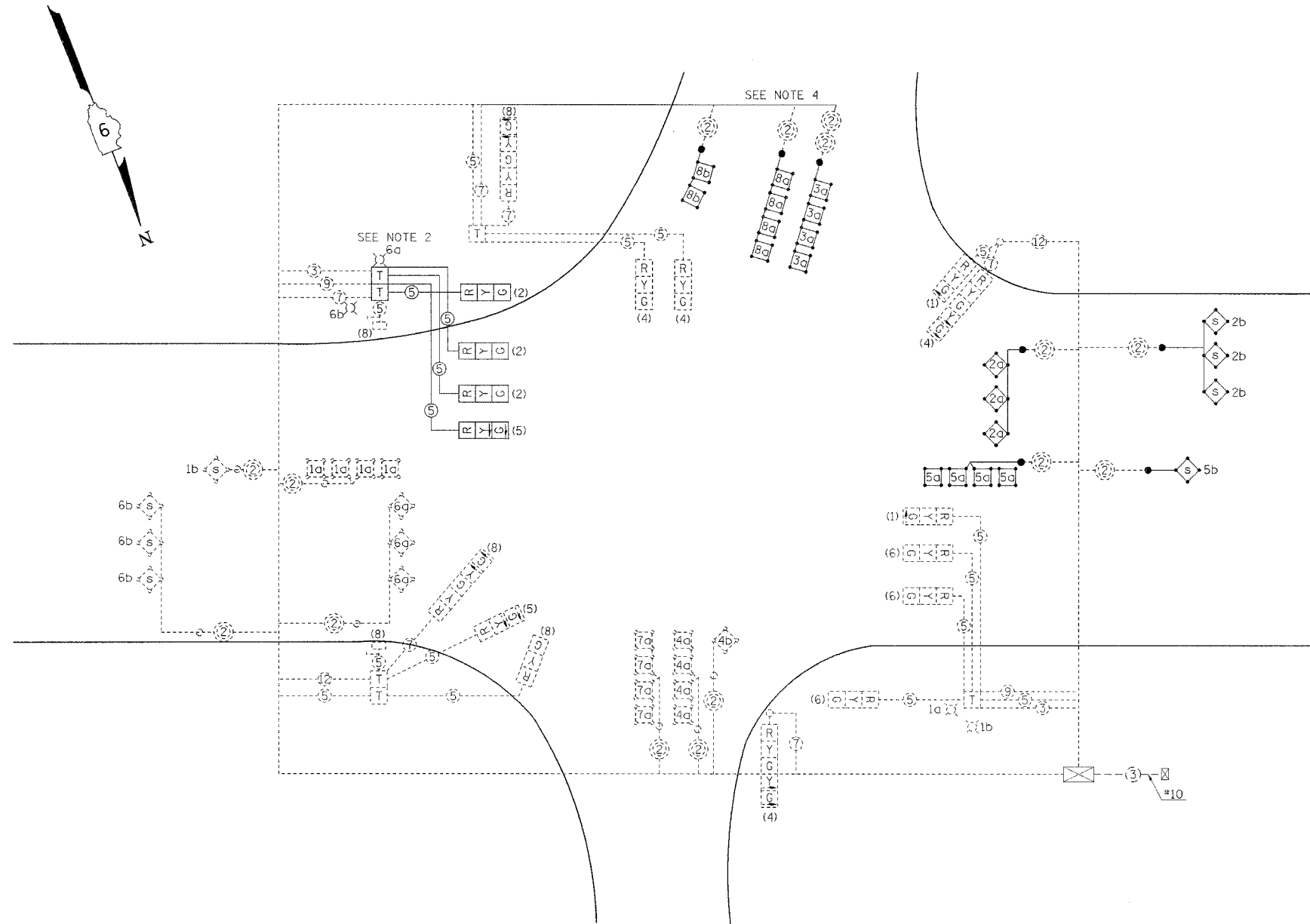
- ALL LUMINAIRES ARE 250 WATTS.
- ELECTRIC CABLE IN CONDUIT, 600 V (XLP-TYPE USE) 3/C NO 10 IS USED IN POLES OR LUMINAIRES.



LEGEND

- [HH]** INDICATES PROPOSED TRAFFIC SIGNAL HANDHOLE
- NOTE:** THE SIGNAL CONDUIT SYSTEM SHALL BE UTILIZED TO INSTALL WIRING FOR ALL THE PROPOSED LIGHTING SYSTEM, EXCEPT AS DENOTED ON THE PLANS.
- HANDHOLE DESIGNATIONS:**
NE: NORTHEAST CORNER
NW: NORTHWEST CORNER
SE: SOUTHEAST CORNER
- (10)** NUMBER INDICATES POSITION OF POLE IN WIRING DIAGRAM. LETTER INDICATES LUMINAIRE ON POLE.
- INDICATES PROPOSED GROUND AT LIGHT STANDARD.
- ⊥** INDICATES CONTINUOUS GROUND FOR CONTROL INSTALLATION.

TRAFFIC SIGNAL CABLE DIAGRAM & WIRING DIAGRAM FOR ROADWAY LIGHTING INTERSECTION OF IL 13 & GLENVIEW DRIVE



LEGEND

- [5a]** INDICATES 6'x6' LOOP WITH 2" CORE DRILLED CORNERS; NUMBER INDICATES PHASE, LOWER CASE LETTER INDICATES AMPLIFIER, "S" INDICATES SYSTEM LOOP.
- [T]** INDICATES TERMINAL BLOCK IN MAST ARM POLE BASE (SEE SPECIAL PROVISIONS) SEE NOTE NO. 1.
- [⊗]** EXISTING TRAFFIC SIGNAL CONTROLLER CABINET
- [⊗]** EXISTING LIGHTING CONTROLLER WITH PHOTOCELL RELAY
- [6a]** INDICATES 5'x5' LOOP WITH 2" CORE DRILLED CORNERS; NUMBER INDICATES PHASE, LOWER CASE LETTER INDICATES AMPLIFIER, "S" INDICATES SYSTEM LOOP.
- [⊗]** EXISTING LOOP TO REMAIN IN PLACE
- (2)** INDICATES 2/C TWISTED, SHIELDED CABLE IN CONDUIT.
- (5)** NUMBER IN CIRCLE INDICATES NUMBER OF CONDUCTORS IN THAT CABLE.
- [⊗]** EXISTING PEDESTRIAN SIGNAL HEAD
- [⊗]** EXISTING PEDESTRIAN PUSH BUTTON
- (10)** EXISTING SIGNAL POST, 16'
- [X]** EXISTING LUMINAIRE TO REMAIN IN PLACE OR TO BE REFURBISHED
- EXISTING CABLE TO REMAIN IN PLACE
- (4)** NUMBER IN PARENTHESIS INDICATES PHASE.
- NOTE:** ALL CABLES SHALL BE A.W.G. #14 UNLESS OTHERWISE NOTED.
- PROPOSED CABLE SPLICE IN HANDHOLE
- ⊗** EXISTING CABLE SPLICE IN HANDHOLE

NOTES

- ALL SIGNAL LENSES SHALL BE 12 INCHES.
- 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. A QUANTITY HAS BEEN INCLUDED TO RUN NEW #10, 3/C FROM THE LUMINAIRES TO THE BOTTOM OF THE MAST ARM POLE WHERE IT WILL SPLICE WITH EXISTING CABLE.
- ELECTRIC SERVICE IS SUPPLIED BY AMEREN CIPS.
- FOR LOOPS ON SOUTH LEG OF GLENVIEW - A QUANTITY HAS BEEN INCLUDED TO RUN NEW #14, 1PAIR CABLE FROM SE GULFBOX JUNCTION TO SE HANDHOLE. SPLICE TO EXISTING LOOP CABLE IN SE HANDHOLE.