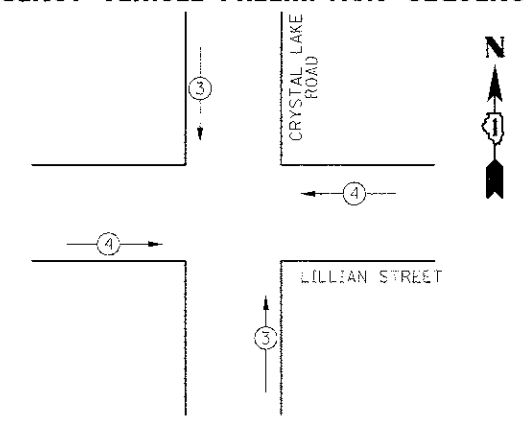


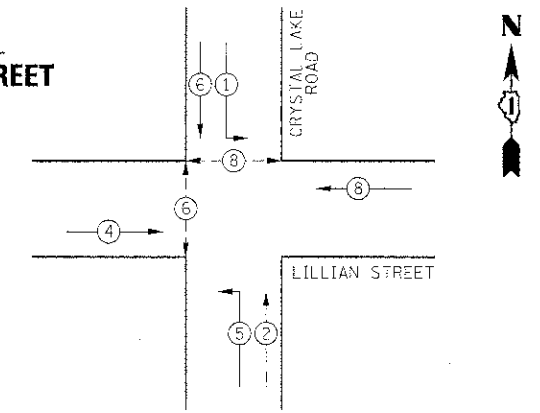
INTERSECTION AND SAMPLING (SYSTEM) DETECTOR

**EXISTING & PROPOSED EMERGENCY VEHICLE PREEMPTION SEQUENCE**

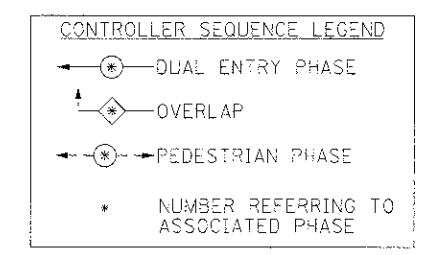


EXISTING & PROPOSED EMERGENCY VEHICLE PREEMPTORS		
EMERGENCY VEHICLE PREEMPTORS	3	4
MOVEMENT	↑	←

**EXISTING & PROPOSED CONTROLLER SEQUENCE**



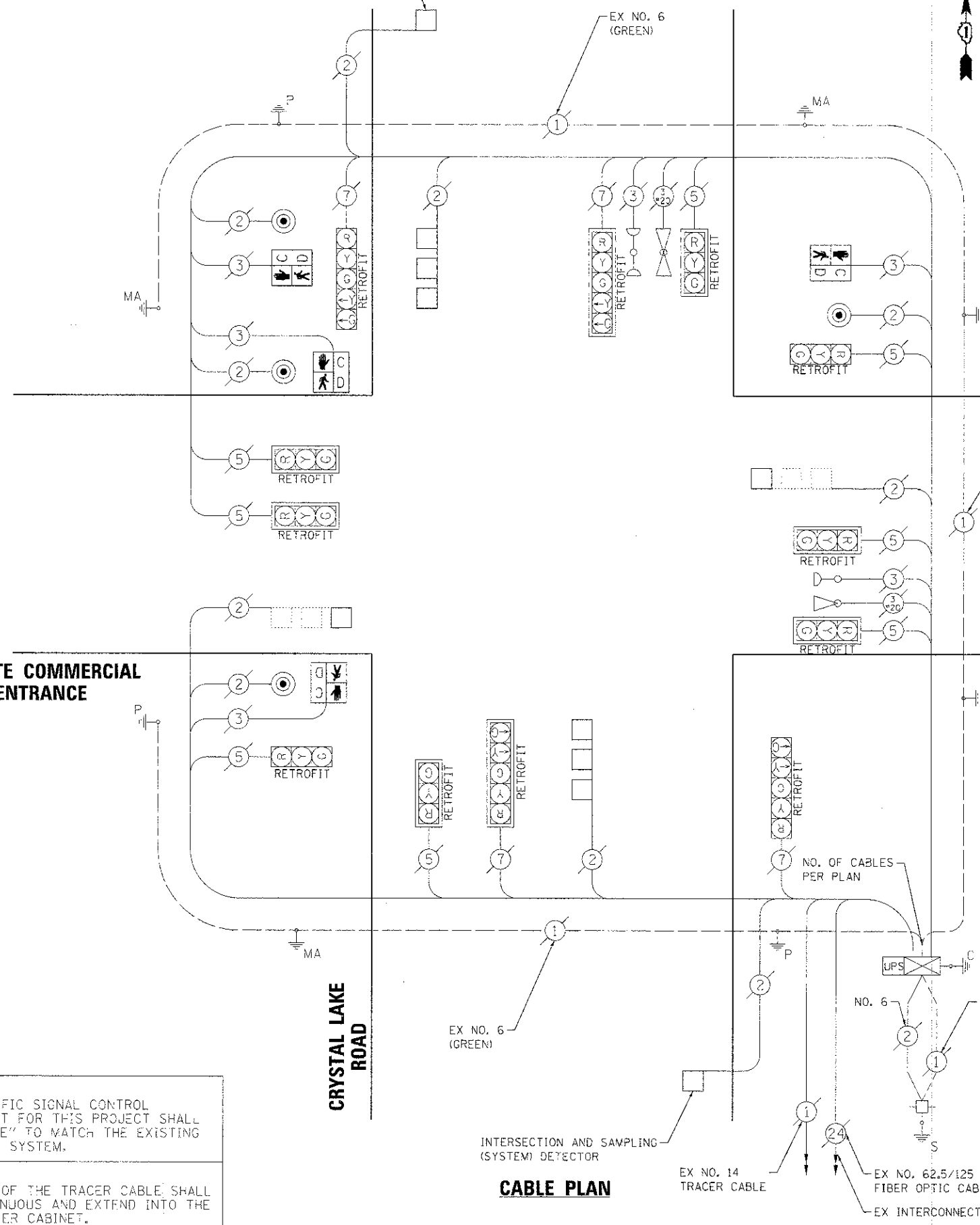
**PHASE DESIGNATION DIAGRAM**



**PRIVATE COMMERCIAL ENTRANCE**

**LILLIAN STREET**

**CRYSTAL LAKE ROAD**



**CABLE PLAN**

I.D.O.T TRAFFIC SIGNAL INSTALLATION ELECTRICAL SERVICE REQUIREMENTS					
TYPE	NO. LAMPS	WATTAGE		% OPERATION	TOTAL WATTAGE
		INCAND.	LED		
SIGNAL (RED)	12	27	0.50		102.00
(YELLOW)	12	25	0.25		75.00
(GREEN)	12	15	0.25		45.00
ARROW (YELLOW)	4	12	0.10		4.80
ARROW (GREEN)	4	12	0.10		4.80
PEDESTRIAN SIGNAL	4	25	1.00		100.00
CONTROLLER	1	100	1.00		100.00
UPS	1	25	1.00		25.00
TOTAL =					456.60

NOTE:  
THE TRAFFIC SIGNAL CONTROL EQUIPMENT FOR THIS PROJECT SHALL BE "EAGLE" TO MATCH THE EXISTING ADJACENT SYSTEM.

NOTE:  
THE END OF THE TRACER CABLE SHALL BE CONTINUOUS AND EXTEND INTO THE CONTROLLER CABINET.

ENERGY COSTS TO: CITY OF MCHENRY  
333 SOUTH GREEN STREET  
MCHENRY, IL 60050

ENERGY SUPPLY CONTACT: NORA FERNANDEZ  
PHONE: (866) 639-3532  
COMPANY: COMMONWEALTH EDISON



USER NAME = jst-za3	DESIGNED - JJS	REVISED -
PLOT SCALE = NTS	DRAWN - JJS	REVISED -
PLT DATE = _JUL_11	CHECKED - CP	REVISED -
	DATE -	REVISED -

**CITY OF MCHENRY**

**CABLE PLAN AND PHASE DESIGNATION DIAGRAM  
CRYSTAL LAKE ROAD AT LILLIAN STREET**

SCALE: NTS SHEET NO. 1 OF 1 SHEETS STA. NA TO STA. NA

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
0085	11-00073-00-RS	MCHENRY	44	35
CONTRACT NO. 63794				
FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT				

COMPANY NAME: HRGreen  
 PROJECT CONTACT: JST-za3  
 CLIENT: HRGreen  
 DATE PLOTTED: 8/10/2011 10:00 AM  
 FILE NAME: 8610369-11gcr0101.dgn  
 PLOT DRIVER: PLOTDRIVER  
 PEN TABLE: standard.ctb