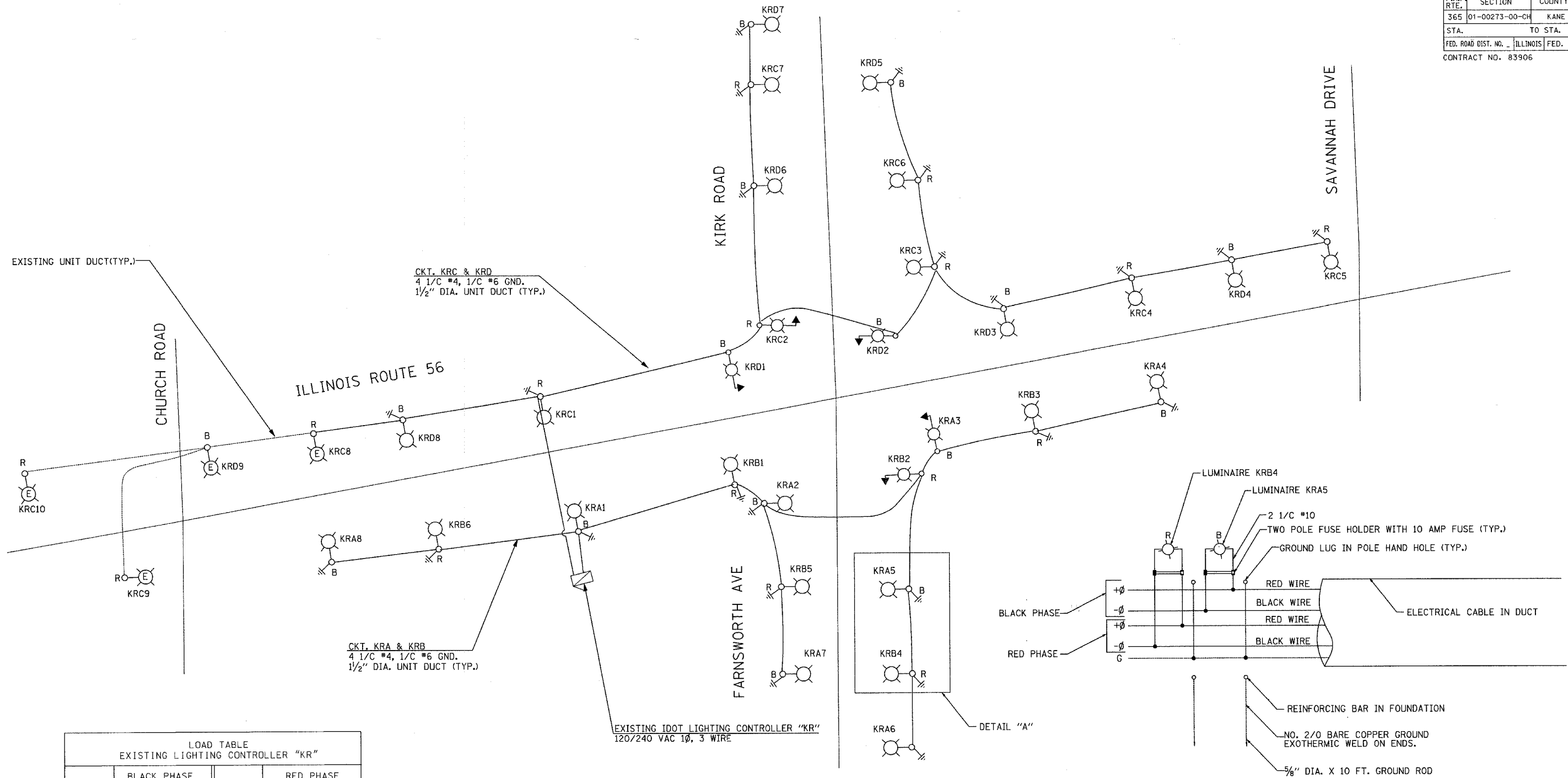




LOAD TABLE EXISTING LIGHTING CONTROLLER "KR"					
CIRCUIT	BLACK PHASE		CIRCUIT	RED PHASE	
	AMPS	WATTS		AMPS	WATTS
A	16.8	4032	B	12.6	3024
D	18.4	4416	C	21.6	5184
TOTAL	35.2	8448	TOTAL	34.2	8208

TOTAL LOAD ON CONTROLLER: 69.4AMP

LEGEND

- EXISTING LIGHTING CONTROLLER
- PROPOSED LIGHTING UNIT
47.5' M.H., 15' M.A., 400W HPS TYPE MC-III , 240V LUMINAIRE (BLACK PHASE)
- PROPOSED LIGHTING UNIT
47.5' M.H., 15' M.A., 400W HPS TYPE MC-III , 240V LUMINAIRE (RED PHASE)
- PROPOSED COMBINATION LIGHTING UNIT
45' M.H., 15' M.A., 400W HPS TYPE MC-III , 240V LUMINAIRE (BLACK PHASE)
- PROPOSED COMBINATION LIGHTING UNIT
45' M.H., 15' M.A., 400W HPS TYPE MC-III , 240V LUMINAIRE (RED PHASE)
- EXISTING LIGHTING UNIT
40' M.H., 15' M.A., 310W HPS , 240V LUMINAIRE (BLACK PHASE)
- EXISTING LIGHTING UNIT
40' M.H., 15' M.A., 310W HPS , 240V LUMINAIRE (RED PHASE)
- ELECTRIC GROUND ROD

DETAIL "A"
LUMINAIRE WIRING CONNECTION (TYP.)

ILLINOIS DEPARTMENT OF TRANSPORTATION
ILLINOIS ROUTE 56 AT KIRK / FARNSWORTH

PROPOSED SINGLE LINE DIAGRAM
LIGHTING CONTROLLER "KR"



GANDHI AND ASSOCIATES, INC.
ENGINEERS AND PLANNERS
6035 N. NORTHWEST HIGHWAY
SUITE 206
CHICAGO, ILLINOIS 60631 TEL. (773) 774-5910

SCALE: 1"=50'
DATE: 04/06/07

DRAWN BY: RDP
CHECKED BY: MAE