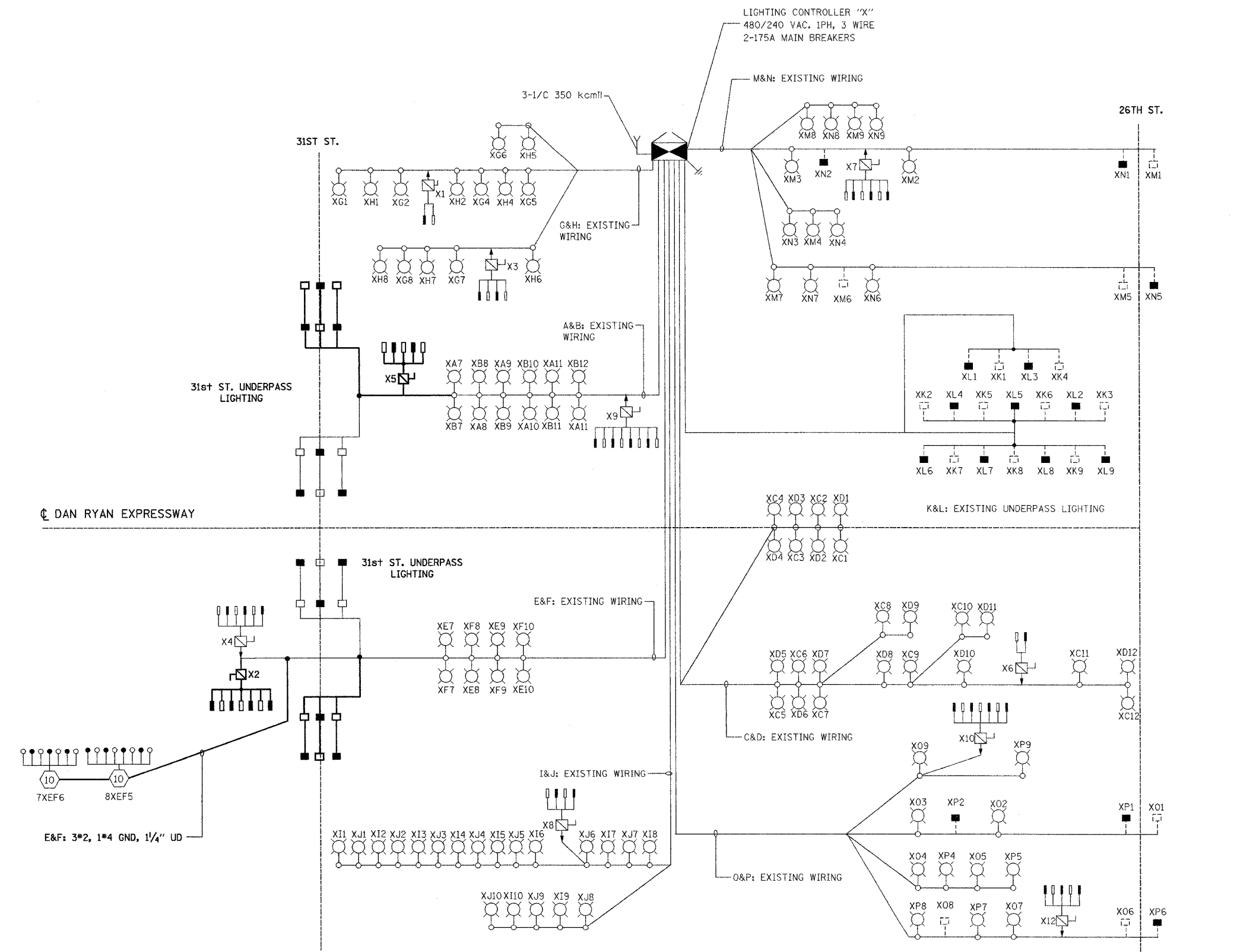


LEGEND:

- HIGH MAST LIGHT TOWER
- 400W. HPS LUMINAIRE (BLACK PHASE- SOLID SYMBOLS, RED PHASE-OPEN SYMBOL)
- TVCD1 HIGH MAST TOWER DESIGNATION
- LIGHTING CONTROLLER
- GROUND FIELD
- ELECTRIC UTILITY SERVICE
- UNIT DUCT, 3-1/C #2 WITH 1/C #4 GROUND, 1/4"
- LIGHTED SIGN STRUCTURE WITH 170 W. FLUORESCENT LUMINAIRE. QUANTITY OF LUMINAIRE AS REQUIRED. (BLACK PHASE- SOLID SYMBOLS, RED PHASE, OPEN SYMBOL)
- 3 POLE SAFETY SWITCH
- UNDERPASS LIGHTING UNIT, 55W HPS LUMINAIRE. (BLACK PHASE- SOLID SYMBOL, RED PHASE-OPEN SYMBOL)
- UNDERPASS LIGHTING UNIT, 70W HPS LUMINAIRE. (BLACK PHASE- SOLID SYMBOL, RED PHASE-OPEN SYMBOL)
- CONVENTIONAL LIGHTING UNIT, 310 WATT HPS LUMINAIRE.
- CONVENTIONAL LIGHTING UNIT, 2-310 WATT HPS LUMINAIRE.

CIRCUIT	RED PHASE		BLACK PHASE	
	AMPS	WATTS	CIRCUIT	WATTS
A	17.00	3470	B	3300
C	18.80	3890	D	3890
E	29.20	5880	F	5650
G	12.90	2680	H	2680
I	16.60	3440	J	3440
K	3.15	495	L	495
M	12.45	2535	N	2535
O	14.05	2875	P	2905
TOTAL	124.15A	25,265	TOTAL	24,895



KAM ENGINEERING, INC.
CONSULTING ENGINEERS
707A Davis Road, Suite 205
Elgin, Illinois 60123-1369

REVISIONS	
NAME	DATE

ILLINOIS DEPARTMENT OF TRANSPORTATION
F.A.I. 94/90 (DAN RYAN EXPRESSWAY)
31st STREET TO I-57

**SINGLE LINE DIAGRAM
LIGHTING CONTROLLER "X"
PROPOSED IMPROVEMENTS 2007**

SCALE: NONE DRAWN BY: BL
DATE: OCTOBER 29, 2004 CHECKED BY: SM

SL07-13

12/26/04 10/16/2004