

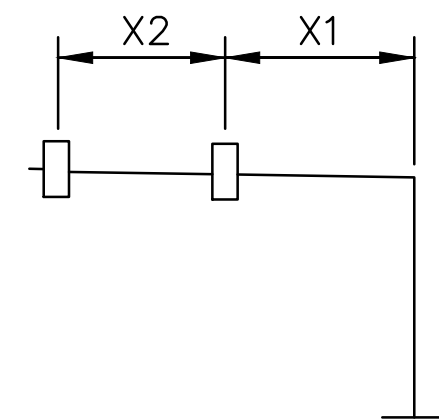
≠ #8AWG Equipment Ground (Green)
 ⊗ Power Supply

⚠ Signal Pole Reference Number
 All splices to be in pole base, no splices permitted within service box.

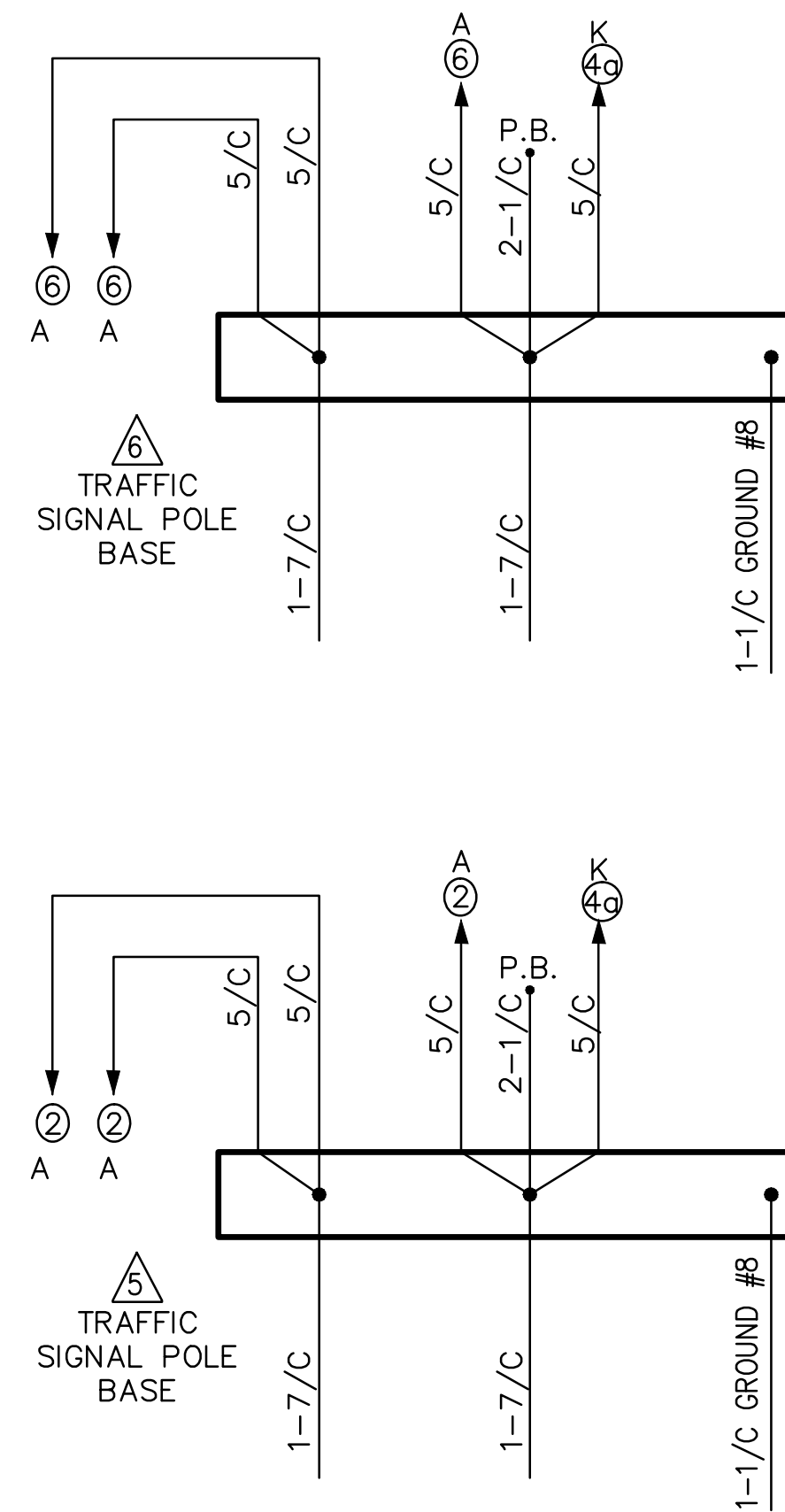
TRAFFIC SIGNAL POLE SUMMARY											
POLE NO.	TYPE ^①	ARM LENGTH	NO. OF SIGNALS ON ARM	BRACKET TYPE	X1	X2	X3	NO. OF SIGNALS ON POLE	BRACKET TYPE	NO. OF PUSH BUTTONS ON POLE	REMARKS
5	B	30	2	I	16	11	N/A	2	I & III	1	
6	B	24	2	I	11	11	N/A	2	I & III	1	

① A-15' Pedestal (Alum.)
 B-20' Steel with Mast Arm(s)
 C-35' Steel (Joint Use) with Mast Arm(s)
 D-40' Steel with Mast Arm

CHART A SUMMARY OF TRAFFIC SIGNAL HEADS			
NUMBER	TYPE		QUANTITY
1	N/A	N/A	N/A
2	A	MAST ARM W/BACKPLATE	2
2	A	SIDE-OF-POLE	1
2A	N/A	N/A	N/A
3	N/A	N/A	N/A
4	N/A	N/A	N/A
4A	K	SIDE-OF-POLE	2
5	N/A	N/A	N/A
6	A	MAST ARM W/BACKPLATE	2
6	A	SIDE-OF-POLE	1
6A	N/A	N/A	N/A
7	N/A	N/A	N/A
8	N/A	N/A	N/A
8A	N/A	N/A	N/A
TOTAL			8



RECAPITULATION OF TRAFFIC SIGNAL QUANTITIES		
ITEM	UNIT	QUANTITY
TRAFFIC SIGNAL INSTALLATION (13th Street at Erie)	LUMP SUM	1
	LUMP SUM	1



POLE WIRING DIAGRAMS

13TH/ERIE PEDESTRIAN CROSSING
 BILL OF MATERIALS (FOR INFORMATION ONLY)

ITEM	QUANT.	UNIT
CONTROLLER UNIT	CITY	EACH
PROGRAM MODULE	-	EACH
CONFLICT MONITOR	CITY	EACH
SURGE ARRESTOR - A.C. SERVICE	1	EACH
POLE MOUNTED CABINET	1	EACH
PAD MOUNTED CABINET	-	EACH
TRAFFIC SIGNAL HEAD	8	EACH
SIGNAL HEAD MOUNTING BRACKET	8	EACH
BACK PLATE 5" 3 SECTION	4	EACH
PED. INDICATIONS LED (16"x18" COMB. W/COUNTDOWN)	2	EACH
L.E.D. TRAFFIC SIGNAL LENS	18	EACH
PEDESTRIAN PUSHBUTTON & SIGN	2	EACH
TRAFFIC SIGNAL POLE	2	EACH
TERMINAL BLOCK	2	EACH
JUNCTION BOX	-	EACH
SERVICE BOX	2	EACH
ENTRANCE HEAD	-	EACH
SERVICE ENCLOSURE	-	EACH
CIRCUIT BREAKER, TRAFFIC SIGNAL	1	EACH
CIRCUIT BREAKER, LUMINAIRE	-	EACH
GROUND ROD & CLAMP	3	EACH
SERVICE WIRE NO. 6 AWG 1/C	AS REQ'D	LIN FT
MULTI-CONDUCTOR CABLE NO. 14 AWG 5/C	220	LIN FT
MULTI-CONDUCTOR CABLE NO. 14 AWG 7/C	210	LIN FT
MULTI-CONDUCTOR CABLE NO. 14 AWG 1/C	25	LIN FT
MULTI-CONDUCTOR CABLE NO. 14 AWG 1/C	100	LIN FT
CONDUIT ELBOW 90°3"	AS REQ'D	EACH
CONDUIT 3" RGC	104	LIN.FT.
CONDUIT 2" RGC	-	LIN.FT.
CONDUIT 1" RGC	AS REQ'D	LIN.FT.

QUANTITIES FOR INFORMATION ONLY

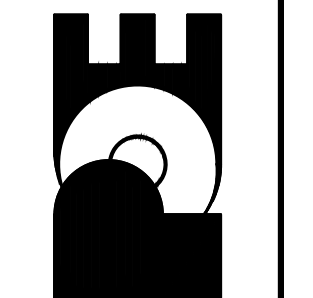
The traffic signal system shall be complete and the contractor shall furnish and install all equipment and materials necessary for the satisfactory operation of electrical apparatus and for the complete operation of the traffic signal system whether specifically mentioned or not.

NOTE: City of Wichita will provide controller; conflict monitor.

No.	Date	By	Approved	Revision

13TH STREET NORTH FROM KANSAS TO OLIVER
 CITY OF WICHITA, KANSAS
 TRAFFIC SIGNAL WIRING PLAN
 13TH STREET NORTH/ERIE PEDESTRIAN TRAFFIC SIGNALS

POE & ASSOCIATES, INC.
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 5940 E. Central, Suite 200 • Wichita, KS 67208-4242
 Phone 316/685-4114 • FAX 316/685-4444



Engineer: P. FERGUSON
 Designer: P. FERGUSON
 CITY Job No.: 472-84320
 Poe Job No.: 1871
 Date: March, 2012