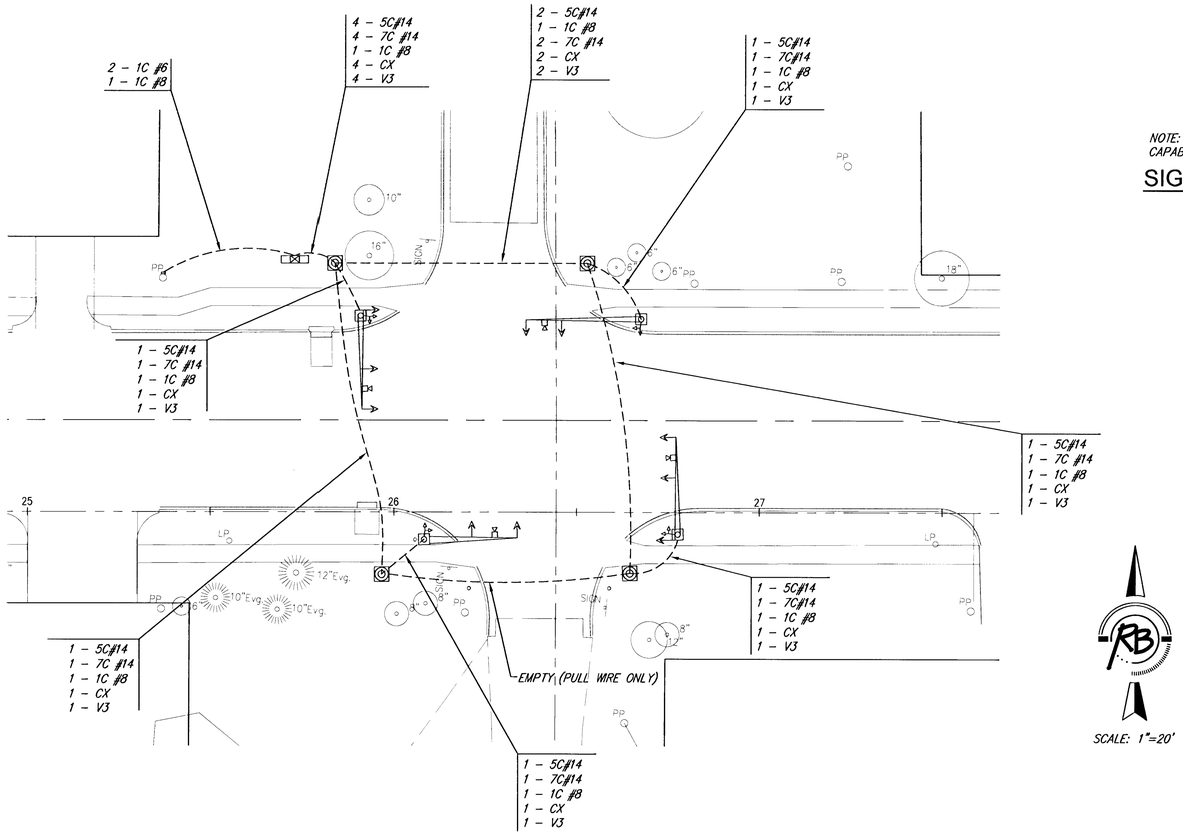
TRAFFIC SIGNAL POLE SUMMARY

STATION	TYPE	ARM LENGTH (LF)	SIGNALS ON ARM	OTHER EQUIP. ON ARM	SIGNALS ON POLE
25+90.79 LT.	STEEL	24	(2) A	SNS	(1) A, (2) K
26+08.32 RT.	STEEL	24	(2) A	SNS	(2) K
26+67.56 LT.	STEEL	30	(2) A	SNS	(2) K
26+77.73 RT.	STEEL	25	(2) A	SNS	(1) A, (2) K

*POLES AND MASTARMS WILL BE SUPPLIED BY CITY OF WICHITA
CALL JIM PARKS AT 268-4033 FOR PICK-UP.

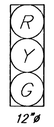
TRAFFIC SIGNAL HEAD SUMMARY

SIGNAL PHASE	TYPE	MOUNTING BRACKET	QUANTITY
2	A	TYPE I	2
2	A	TYPE III	1
4	A	TYPE I	2
6	A	TYPE I	2
6	A	TYPE III	1
8	A	TYPE I	2
2-6P	K	TYPE III	4
4-8P	K	TYPE III	4



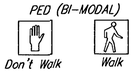
SCALE: 1"=20'

TYPE A



12"ø

TYPE K
PED (BI-MODAL)



12" LED COMBINATION

NOTE: PEDESTRIAN SIGNAL SHALL BE AN OVERLAY TYPE CAPABLE OF DISPLAYING BOTH MESSAGES WITH ONE UNIT.

SIGNAL FACE ARRANGEMENT

MATERIALS LIST

FOR INFORMATION ONLY

ITEM	UNIT	QUANTITY
TRAFFIC SIGNAL POLE STEEL W/MASTARM (19' STANDARD POLE)	EA.	4
CONCRETE CONTROLLER PAD	EA.	1
CONCRETE FOOTING - POLE	EA.	4
SERVICE BOX	EA.	4
GROUND ROD & CLAMP	EA.	6
PEDESTRIAN SIGNAL LAMP L.E.D. (12" COMBINATION)	EA.	8
L.E.D. UNIT	EA.	30
CIRCUIT BREAKER & BOX	EA.	1
BACK PLATE FOR SIGNAL HEAD (TYPE A) (E-W FACES)	EA.	4
TRAFFIC SIGNAL HEAD - 12" (TYPE A) W/MOUNTING BRACKET	EA.	10
PEDESTRIAN SIGNAL - 12" (TYPE K) W/MOUNTING BRACKET	EA.	8
PEDESTRIAN PUSHBUTTON W/SIGN	EA.	8
PAD MOUNTED CABINET & CONTROLLER SYSTEM TYPE 170 (SEE NOTES)	EA.	1
LEAD-IN WIRE NO. 6 AWG 1/c (TYPE THHN)	LF	120
MULTI-CONDUCTOR CABLE NO. 14 AWS 5/c	LF	740
MULTI-CONDUCTOR CABLE NO. 14 AWG 7/c	LF	560
STANDARD NO. 8 AWG 1/c (TYPE THHN) (GROUND)	LF	483
CONDUIT 1 1/4" RGC	LF	50
CONDUIT 2" RGC	LF	88
CONDUIT 3" RGC	LF	307
CONDUIT 4" RGC	LF	18
STREET NAME SIGN W/MOUNTING HARDWARE	EA.	4
VIDEO DETECTION CAMERA AND MOUNTING HARDWARE (RISER BRACKET)	EA.	6
VIDEO DETECTION PROCESSOR UNIT (ITERIS VANTAGE PLUS OR APPROVED EQUAL)	EA.	6
VIDEO POWER CABLE NO. 16 AWG 3/c	LF	630
VIDEO CABLE 75 OHM COAXIAL (BELDEN #8281)	LF	630
T.V. MONITOR	EA.	1

CONTROLLER NOTE:

THE CONTROLLER AND CABINET SHALL INCLUDE THE FOLLOWING:

MODEL 170E CONTROLLER UNIT COMPLETE WITH W41KS (56A OR LATEST REVISION) TRAFFIC PROGRAM ON 412B SYSTEM - MEMORY MODULE AND MODEL 400 MODEM.

1 - MODEL 332 CABINET WITH ALL ACCESSORIES
3 - MODEL 242 TWO CHANNEL ISOLATOR
4 - MODEL 430 TRANSFER RELAYS
8 - MODEL 200 SWITCH PACK
2 - MODEL 204 FLASHER UNIT
1 - MODEL 210PC (ECL OR MS) CONFLICT MONITOR
1 - SURGE PROTECTOR

GOLD & MACARTHUR INTERSECTION SIGNALIZATION
SIGNAL WIRING & SCHEDULES
WICHITA, KANSAS

Ruggles & Bohm, P.A.
Engineering, Surveying, Land Planning
924 North Main
Wichita, Kansas 67203
www.rbkansas.com
(316) 264-8008
(316) 264-4621 fax
E-mail: info@rbkansas.com

DESIGN	TCR
DRAWN	EJB
REVIEW	
UTILITY	
DATE	Nov. 17, 2003
RB JOB	2304T
SHEET	3 OF 8
DRAWING FILE	Base {Signal Plan}
PROJECT NUMBER	472-83609