GENERAL NOTES

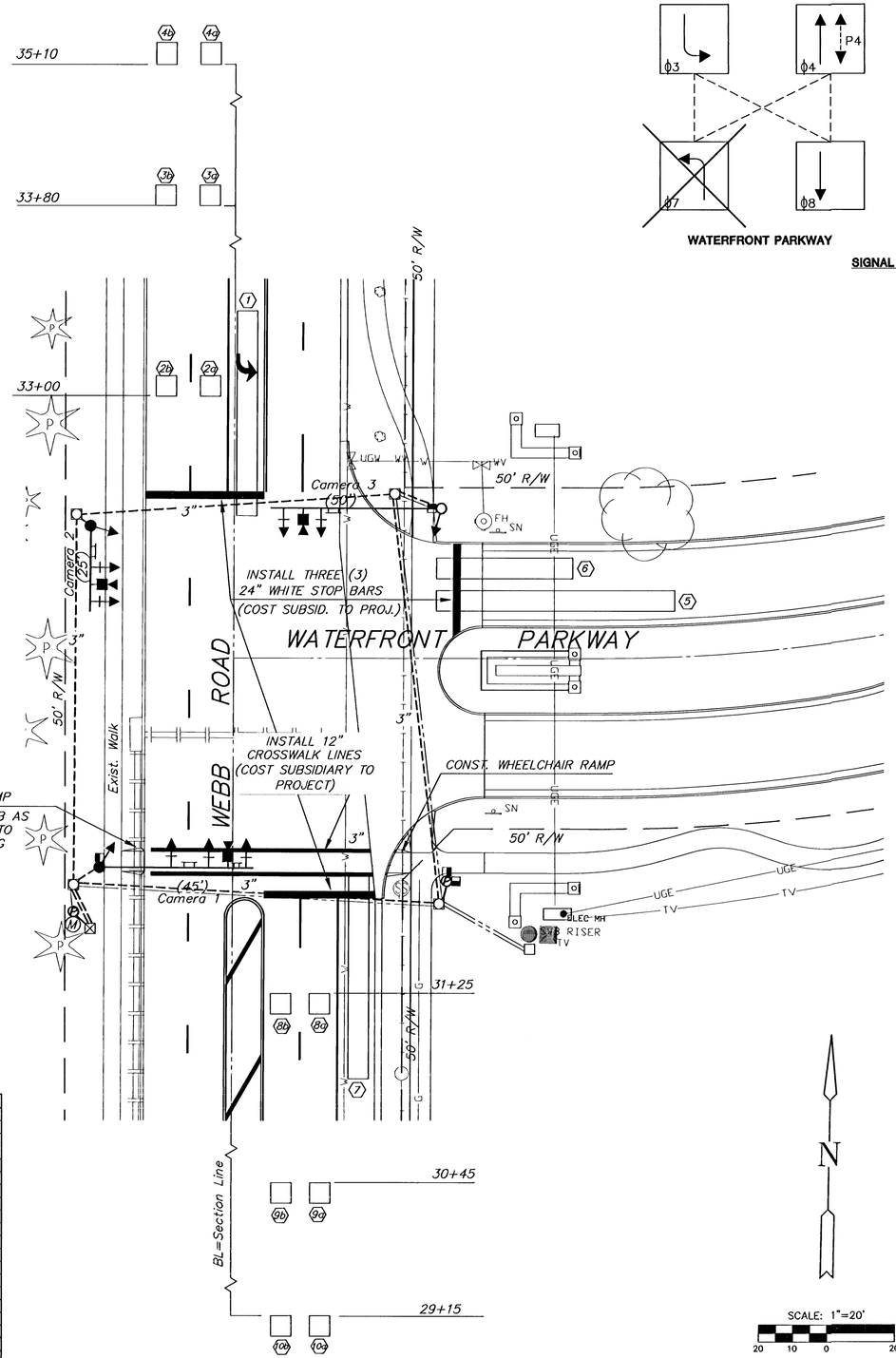
1. Conduit shall be jacked or bored if not installed before placing of new pavement.
2. Placement of Service/Junction Boxes, Conduit Runs and Controller are typical and may be adjusted as directed by the Engineer to facilitate installation.
3. The Contractor shall contact utility companies which may be affected by the installation of Traffic Signalization prior to any construction.
4. Non-metered 120-volt power to be obtained from a proposed 120 volt Westar transformer to be installed near the southeast corner of the intersection as shown on the plan. Contractor shall provide and install a 2" PVC conduit from the proposed Westar 120-volt transformer located at the southeast corner of the intersection to the proposed service box at the southwest corner of the intersection. Contractor shall provide and install a 1" PVC conduit from the proposed service box at the southwest corner of the intersection to the proposed meter pedestal pole, also located at the southwest corner of the intersection. Contractor shall provide and install non-metered conductor from the 120 volt transformer to the meter, and shall provide metered conductor from the meter to the traffic signal controller. Westar will provide and install the 120-volt transformer.

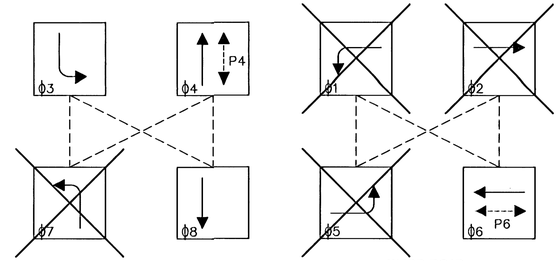
   Contractor shall install a 2" PVC conduit from the existing 480-volt transformer located at the southeast corner of the intersection to the proposed 120-volt transformer. Westar will provide and install the necessary conductor between the two transformers.

   Contractor shall install a 1" rigid galvanized conduit from the meter pole to the proposed traffic signal controller, also located at the southwest corner of the intersection, to carry the metered conductor from the meter to the traffic signal controller. Meter address is 1721 N. Webb Rd.

   Contractor shall provide and install an empty 2" PVC conduit from the proposed Westar 120 volt transformer located at the southeast corner of the intersection to the proposed joint use traffic signal pole at the northeast corner of the intersection.

   PVC conduits carrying non-metered power shall be installed with steel elbows.
5. Exact Video Detection Camera locations to be at the direction of the Manufacturer's Representative. Video Camera cable terminations, camera fine tuning, system set-up, and programming will be performed by the supplier with the assistance of the contractor.
6. See Signal Pole Details for additional Traffic Signal Structures requirement.





SIGNAL PHASING

LEGEND

- Pedestal Pole (10')
- Steel Traffic Signal Pole (Joint use)
- Steel Traffic Signal Pole (Std. Pole)
- Traffic Signal Indication (Type A)
- Mast Arm Suspended Traffic Signal
- Video Detection Camera
- Service Box
- Controller
- Pedestrian Indication
- Junction Box
- Vehicle Detection Zone
- (7) Detector Number
- Rigid Galvanized Conduit (RGC)
- PVC Conduit
- (M) Meter Box and Power Disconnect
- Overhead Street Name Sign
- Overhead Sign R10-12 (Lt. Yield on Green)

MISCELLANEOUS CONSTRUCTION ITEMS

ITEM	UNIT	QUANTITY
12" WHITE CROSSWALK LINES	L.F.	130
24" WHITE STOP BAR	L.F.	92
WHEELCHAIR RAMPS	EA.	2
SIDEWALK REMOVE & REPLACE	L.S.	1

COST OF ALL ABOVE ITEMS SUBSIDIARY TO CONSTRUCTION

DETECTION ZONES

CAMERA NO.	ZONE NO.	SIZES (W x L)	MOVEMENT CALLED
1	1	6x60	3
1	2a, 2b	6x40	8
1	3a, 3b	6x6	8
1	4a, 4b	6x6	8
2	5	6x70	6
2	6	6x40	6
3	7	6x40	8
3	8a, 8b	6x40	8
3	9a, 9b	6x6	8
3	10a, 10b	6x6	8

TYPE 170 CONTROLLER SETTINGS

INTERVAL		"WAPITI PROGRAM" PHASE 1 WBLT	2 EB	3 SBLT	4 NB	5 EBLT	6 WB	7 NBLT	8 SB
MAX	0			30	80		30		80
MAX 2	1			30	80		30		80
WALK	2				8		8		8
FL. DW.	3				25		25		25
MAX INIT.	4			6	10		6		10
MIN GREEN	5			5	8		5		8
TBR	6			1	15		1		15
TTR	7			1	25		1		25
	8								
PASSAGE	9			1	2.0		1		2.0
MIN GAP	a			1	1.0		1		1.0
ADD ACT	b			1	2.5		1		2.5
YELLOW	c			3	4.0		3		4.0
RED CLR.	d			3	2.0		1.5		2.0
RED REV.	e								
WALK II	f								

NORMAL DISPLAY									
TIME CLOCK		FEATURES	1	2	3	4	5	6	7	8
0	YEAR	VEH RECALL				X				X
1	MONTH	PED RECALL								
2	DAY/MONTH	RED LOCK								
3	DAY/WEEK	YEL LOCK			X			X		
4	HOUR	ø PERMIT			X	X		X		X
5	MINUTE	PED PHASES	X		X					
6	SECOND	LEAD PHASES	X		X		X		X	
7		DBL ENTRY								
8		SEQUENTIAL								
9		START UP YEL						X		
a		OVERLAP A								
b		OVERLAP B								
c		OVERLAP C								
d		OVERLAP D								
e		EXCLUSIVE								
f		SIM GAP								

LTT-2 WB THRU ø6 WITH ø1 DETECTION

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MKEC ENGINEERING CONSULTANTS
411 N. WEBB ROAD
WICHITA, KS. 67206
316 - 684 - 9600

WEBB ROAD TRAFFIC SIGNALIZATION
PROJECT NAME

SIGNAL PLAN
SHEET TITLE

GAR	KKL	GJA
DESIGN BY:	DRAWN BY:	CHECKED BY:
NOVEMBER 2003	02014SG1	2 / 8
DATE	JOB NO.	SHEET/OF