

SIGNAL PHASING

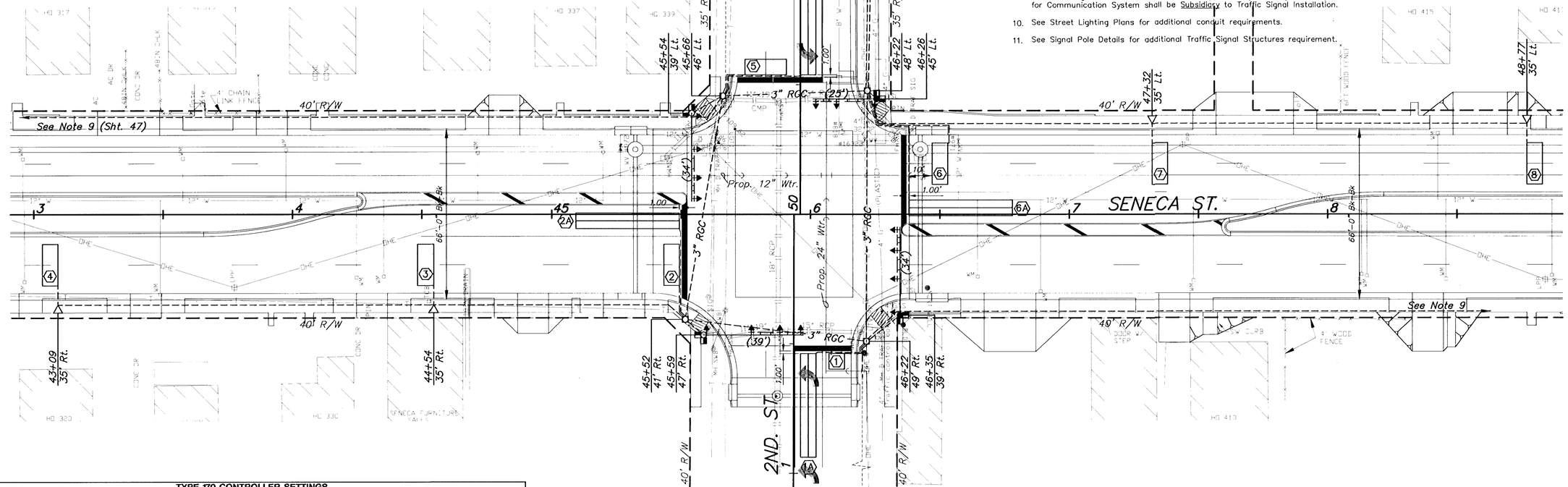
GENERAL NOTES

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 all utility companies which may be affected by the installation of Traffic Signalization prior to any construction.
4. KGE Power Pole Baseline, Sta. 46+20 Left, install meter and power disconnect. See Power Pole details.
5. The Detector Loops should be adjusted so that the loops do not begin or end within 1'–0" of a transverse joint.
6. The Contractor shall install and operate a Temporary Traffic Signal at the Seneca and 2nd. Street intersection (See Detail Sheet). The Contractor shall prepare plans for traffic signals in consultation with the Traffic Engineer and in conformance with the Traffic Control Plan. Existing traffic signal appurtenances, except as otherwise noted on the plans, shall be removed and taken to the City Yard at 1801 S. McLean Blvd. Remove all Junction Boxes, Cabinet Bases, Pole Bases, Power Risers, Meter Bases, etc. not being re–used. Notify City of Wichita Traffic Maintenance 7 days prior to signal turn–on.
7. Remove Existing 2/c #14 between each Junction Box and Controller. Cut and remove existing conduit in construction area. Replace with new identical conduit. Connect and install new 2/c #14 from each Junction Box to new Controller.
8. Existing overhead signal interconnect cable between Douglas and McLean will be removed by Traffic Maintenance. Notify Traffic Maintenance 14 days prior to start of construction.
9. Install 2" RGC to existing Junction Box and U.G. 2" RGC near riser pole at Sta 51+65±. Install a continuous run of 1–6 pr #19 IMSA 20–2, 600V shielded communication cable in 2" RGC between 2nd St. and McLean Signal Controllers. Install Junction Box per standard detail at 150' maximum intervals. Alignment and location shall be approved by the Engineer. Payment for Communication System shall be Subsidiary to Traffic Signal Installation.
10. See Street Lighting Plans for additional conduit requirements.
11. See Signal Pole Details for additional Traffic Signal Structures requirement.

LEGEND

- Steel Traffic Signal Pole (Joint use)
- Steel Traffic Signal Pole (Std. Pole)
- Traffic Signal Indication
- Traffic Signal Indication w/Back Plate
- Mast Arm Suspended Traffic Signal
- Service Box
- Controller
- Pedestrian Indication
- Junction Box
- Vehicle Detector Loop
- (7) Detector Number
- Rigid Galvanized Conduit (RGC)
- (M) Meter Box and Power Disconnect
- Overhead Street Name Sign
- Overhead Sign R10–12 (Lt. Turn Yield on Green)

SCALE: 1"=20'
20 10 0 20



TYPE 170 CONTROLLER SETTINGS

"WAPITI PROGRAM"

INTERVAL		1 WBLT	2 EB	3 SBLT	4 NB	5 EBLT	6 WB	7 NBLT	8 SB
		PHASE							
MAX	0	30	40	30	80	30	40	30	80
MAX 2	1	30	40	30	80	30	40	30	80
WALK	2		8		8		8		8
FL. DW.	3		22		20		22		15
MAX INIT.	4	6	10	6	10	6	10	6	10
MIN GREEN	5	5	8	5	8	5	8	5	8
TBR	6	1.0	15	1.0	15	1.0	15	1.0	15
TTR	7	1.0	25	1.0	25	1.0	25	1.0	25
	8								
PASSAGE	9	1.0	2.0	1.0	2.0	1.0	2.0	1.0	2.0
MIN GAP	a	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
ADD ACT	b	1.0	1.5	1.0	1.5	1.0	1.5	1.0	1.5
YELLOW	c	3.0	3.5	3.0	3.5	3.0	3.5	3.0	3.5
RED CLR.	d	1.0	1.5	1.0	1.5	1.0	1.5	1.0	1.5
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		X		X	
4	HOUR	ø PERMIT	X	X	X	X	X	X	X	X
5	MINUTE	PED PHASES	X		X		X		X	
6	SECOND	LEAD PHASES	X		X		X			
7		DBL ENTRY								
8		SEQUENTIAL								
9		START UP YEL	X				X			
a		OVERLAP A								
b		OVERLAP B								
c		OVERLAP C								
d		OVERLAP D								
e		EXCLUSIVE								
f		SIM GAP								

LTT–2

DETECTORS

LOOP NO.	SIZES (W x L)	NO. OF TURNS	MOVEMENT CALLED
1A	40'x6'	2–4–2	1
1	6'x6'	4	6
2A	40'x6'	2–4–2	7
2	16'x6'	4	4
3	16'x6'	4	4
4	16'x6'	4	4
5A	40'x6'	2–4–2	5
5	16'x6'	4	2
6A	40'x6'	2–4–2	3
6	16'x6'	4	8
7	16'x6'	4	8
8	16'x6'	4	8

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

SENECA STREET
PROJECT NAME

SENECA/2ND. ST. SIGNALIZATION
SHEET TITLE

DESIGN BY:	DRAWN BY:	CHECKED BY:
DCH, ASH	WNJ	GJA
DATE	DRAWING NAME	SHEET / OF
OCT. 2001	98092SG2	49 / 87

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