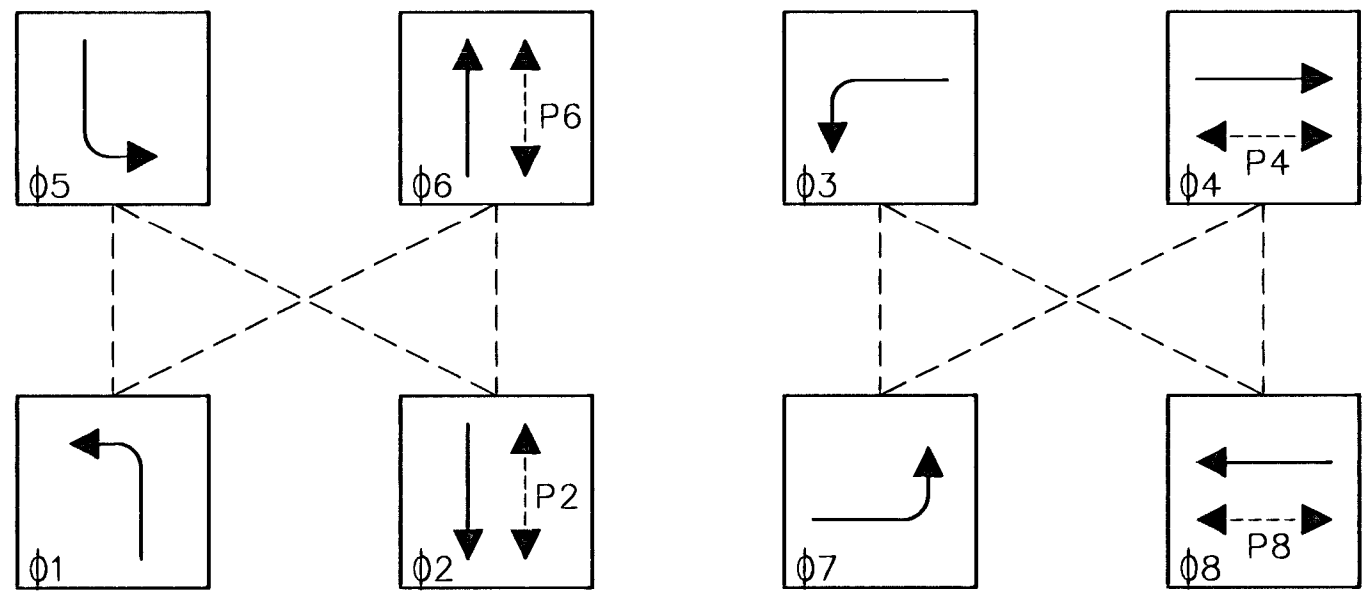




DOUGLAS AVE SENECA ST.

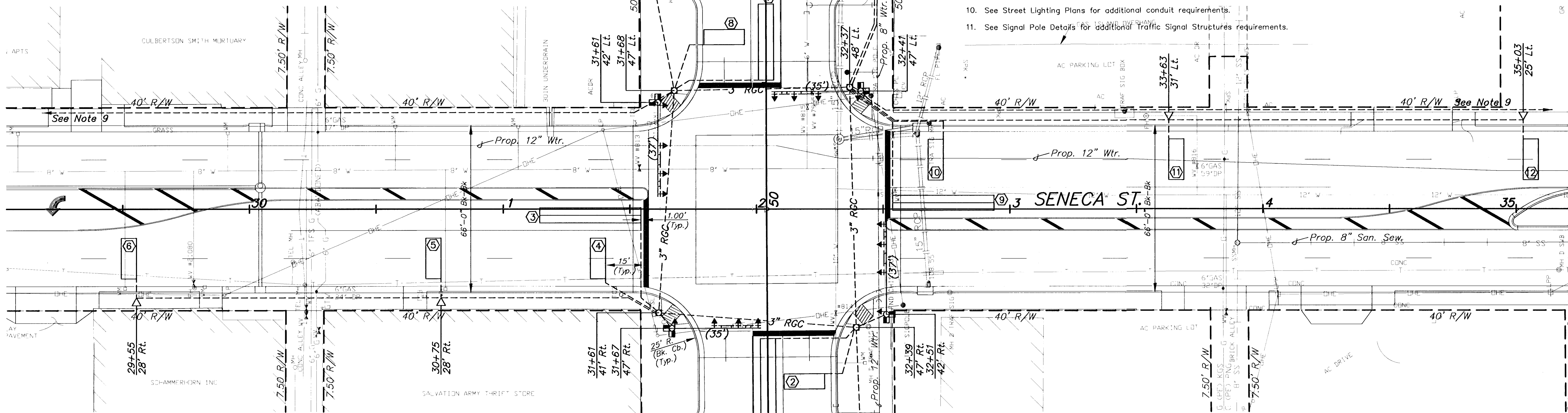
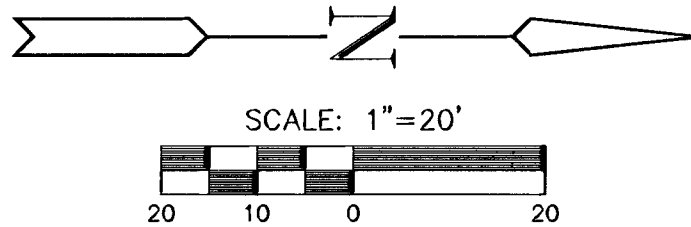
SIGNAL PHASING

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. 31+42, 179' 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 Douglas 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 with a continuous run of 1-6 pr #19 IMSA 20-2, 600V shielded communication cable between Douglas and 2nd. Street Signal Controllers; and between crosswalk (Sta. 26+17) and Douglas 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 requirements.

LEGEND

- Steel Traffic Signal Pole (Joint use)
- Steel Traffic Signal Pole (Std. Pole)
- Traffic Signal Indication
- + Traffic Signal Indication with Back Plate
- ↗ Mast Arm Suspended Traffic Signal
- Service Box
- ⊠ Controller
- Pedestrian Indication
- ◻ Junction Box
- Vehicle Detector Loop
- ① Detector Number
- Rigid Galvanized Conduit (RGC)
- Ⓜ Meter Box and Power Disconnect
- TT Overhead Street Name Sign
- TT Overhead Sign R10-12 (Lt. Yield on Green)



TYPE 170 CONTROLLER SETTINGS									
INTERVAL	"WAPITI PROGRAM" PHASE								NORMAL DISPLAY
	1	2	3	4	5	6	7	8	
MAX	30	40	30	80	30	40	30	80	TIME CLOCK
MAX 2	30	40	30	80	30	40	30	80	VEH RECALL
WALK	8	8	8	8	8	8	8	8	PED RECALL
FL. DW.	6	22	6	20	6	22	6	15	RED LOCK
MAX INIT.	10	10	10	10	10	10	10	10	YEL LOCK
MIN GREEN	5	8	5	8	5	8	5	8	Ø PERMIT
TBR	1.0	15	1.0	15	1.0	15	1.0	15	PED PHASES
TTR	1.0	25	1.0	25	1.0	25	1.0	25	LEAD PHASES
PASSAGE	1.0	2.0	1.0	2.0	1.0	2.0	1.0	2.0	DBL ENTRY
MIN GAP	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	SEQUENTIAL
ADD ACT	1.0	1.5	1.0	1.5	1.0	1.5	1.0	1.5	START UP YEL
YELLOW	3.0	3.5	3.0	3.5	3.0	3.5	3.0	3.5	OVERLAP A
RED CLR.	1.0	1.5	1.0	1.5	1.0	1.5	1.0	1.5	OVERLAP B
WALK II									OVERLAP C
									OVERLAP D
									EXCLUSIVE
									SIM GAP

LTT-2 WB THRU Ø6 WITH Ø1 DETECTION

Existing Douglas Advance Loops & Junction boxes to remain in place (Typ.). See Note 7 (Typ.).

DETECTORS			
LOOP NO.	SIZES (W x L)	NO. OF TURNS	MOVEMENT CALLED
1	6' x 40'	2-4-2	1
2	16' x 6'	4	6
3	6' x 40'	2-4-2	7
4	16' x 6'	4	4
5	16' x 6'	4	4
6	16' x 6'	4	4
7	6' x 30'	2-4-2	5
8	16' x 6'	4	2
9	6' x 40'	2-4-2	3
10	16' x 6'	4	8
11	16' x 6'	4	8
12	16' x 6'	4	8



ENGINEERING CONSULTANTS
411 N. WEBB ROAD
WICHITA, KS. 67208
316-684-9600

SENECA STREET
PROJECT NAME

SENECA/DOUGLAS SIGNALIZATION
SHEET TITLE

DCH, ASH

DESIGN BY:

OCT. 2001
DATE

WNJ

DRAWN BY:

98092SG1
DRAWING NAME

G/A

CHECKED BY:

47 / 87
SHEET / OF