

CHART A SIGNAL HEADS			
NUMBER OF SECTIONS	SIGNAL FACE ARRANGEMENT	MOUNTING TYPE	QTY.
3	A	RIGID MAST ARM	4
5	C	RIGID MAST ARM	4
3	A	VERTICAL BRACKET	4
2	F	PEDESTAL	4
2	F	VERTICAL BRACKET	4
TOTAL			20

POLE NO.	POLE HEIGHT	ARM HEIGHT	ARM LENGTH	NO. OF SIGNALS ON ARM	SIGNAL SPACING	LUMINAIRE MOUNTING HEIGHT
1	35'	19'	36'	2	35.5'/19'	35'
2	20'	19'	46'	2	45'/29'	—
3	15'	—	—	—	—	—
4	20'	19'	44'	2	43'/27'	—
5	20'	19'	46'	2	45.5'/29'	—
6	15'	—	—	—	—	—

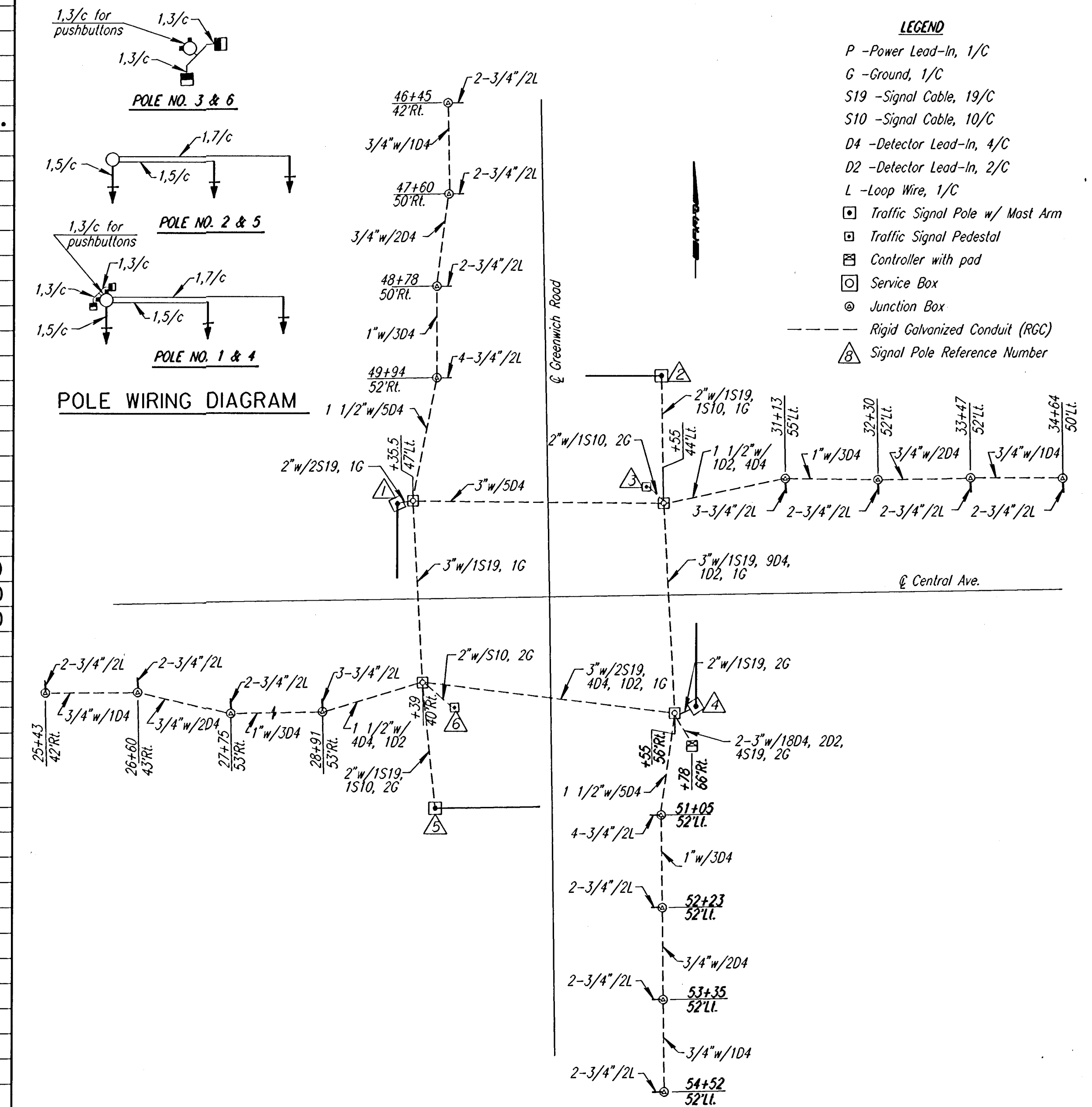
LOOP LABEL	MODE	SIZE	NUMBER OF TURNS	PHASE CALLED	PHASE EXTENDED	DELAY/STRETCH TIMER	INITIAL SETTING (SEC)
11	PRESENCE	50×6	2-4-2	1	1	—	—
21	PRESENCE	50×6	2-4-2	2	2	—	—
22	PRESENCE	50×6	3	2	2	—	—
23	PRESENCE	20×6	3	2	2	S	1.0
24	PRESENCE	6×6	3	2	2	S	1.0
25	PRESENCE	6×6	3	2	2	S	1.0
26	PRESENCE	6×6	3	2	2	S	1.0
27	PRESENCE	6×6	3	2	2	S	1.0
28	PRESENCE	6×6	3	2	2	S	1.0
29	PRESENCE	6×6	3	2	2	S	1.0
31	PRESENCE	50×6	2-4-2	3	3	—	—
41	PRESENCE	50×6	2-4-2	4	4	—	—
42	PRESENCE	50×6	3	4	4	—	—
43	PRESENCE	6×6	3	4	4	S	1.0
44	PRESENCE	6×6	3	4	4	S	1.0
45	PRESENCE	6×6	3	4	4	S	1.0
46	PRESENCE	6×6	3	4	4	S	1.0
47	PRESENCE	6×6	3	4	4	S	1.0
48	PRESENCE	6×6	3	4	4	S	1.0
51	PRESENCE	50×6	2-4-2	5	5	—	—
61	PRESENCE	50×6	2-4-2	6	6	—	—
62	PRESENCE	50×6	3	6	6	—	—
63	PRESENCE	6×6	3	6	6	S	1.0
64	PRESENCE	6×6	3	6	6	S	1.0
65	PRESENCE	6×6	3	6	6	S	1.0
66	PRESENCE	6×6	3	6	6	S	1.0
67	PRESENCE	6×6	3	6	6	S	1.0
68	PRESENCE	6×6	3	6	6	S	1.0
69	PRESENCE	6×6	3	6	6	S	1.0
71	PRESENCE	50×6	2-4-2	7	7	—	—
81	PRESENCE	50×6	2-4-2	8	8	—	—
82	PRESENCE	50×6	3	8	8	—	—
83	PRESENCE	6×6	3	8	8	S	1.0
84	PRESENCE	6×6	3	8	8	S	1.0
85	PRESENCE	6×6	3	8	8	S	1.0
86	PRESENCE	6×6	3	8	8	S	1.0
87	PRESENCE	6×6	3	8	8	S	1.0
88	PRESENCE	6×6	3	8	8	S	1.0

ITEM	UNIT	QUANTITY
PAD MOUNTED CONTROLLER & CABINET	EACH	1
TRAFFIC SIGNAL HEAD (see chart A) W/MOUNTING HARDWARE	EACH	20X
TRAFFIC SIGNAL POLE (see chart B), STEEL	EACH	4
TRAFFIC SIGNAL PEDESTAL, ALUMINUM 15'	EACH	2
LOOP DETECTOR (see chart C)	EACH	19
CONCRETE CONTROLLER PAD	EACH	1
CONCRETE FOOTING - POLE	EACH	4
CONCRETE FOOTING - PEDESTAL	EACH	2
BACKPLATE 5" 3 SECTION	EACH	8
BACKPLATE 5" 5 SECTION	EACH	4
TERMINAL BLOCK	EACH	AS REQ'D.
SERVICE BOX	EACH	4
JUNCTION BOX	EACH	16
GROUND ROD & CLAMP	EACH	8
TRAFFIC SIGNAL LAMP 135 WATT KRYPTON	EACH	48
LED RED TRAFFIC SIGNAL LENS	EACH	12
LED DONT WALK (SYMBOLIC) SIGNAL LENS	EACH	8
ENTRANCE HEAD	EACH	1
CIRCUIT BREAKER & BOX 50 AMP	EACH	1
SURGE ARRESTOR - CONTROLLER	EACH	1
SURGE ARRESTOR - DETECTOR	EACH	—
PEDESTRIAN PUSHBUTTON W/SIGN	EACH	8
CONDUIT 3/4" RGC	LIN.FT.	650
CONDUIT 1" RGC	LIN.FT.	600
CONDUIT 1 1/2" RGC	LIN.FT.	500
CONDUIT 2" RGC	LIN.FT.	225
CONDUIT 3" RGC	LIN.FT.	525
CONDUIT ELBOW 90° (2")	EACH	AS REQUIRED
CONDUIT ELBOW 90° (3")	EACH	AS REQUIRED
CONDUIT CLAMP	EACH	AS REQUIRED
MULTI-CONDUCTOR CABLE NO.14 A.W.G. 3/c	LIN.FT.	350
MULTI-CONDUCTOR CABLE NO.14 A.W.G. 5/c	LIN.FT.	300
MULTI-CONDUCTOR CABLE NO.14 A.W.G. 7/c	LIN.FT.	300
MULTI-CONDUCTOR CABLE NO.14 A.W.G. 10/c	LIN.FT.	200
MULTI-CONDUCTOR CABLE NO.14 A.W.G. 19/c	LIN.FT.	800
POWER LEAD-IN CABLE NO.6 A.W.G. 1/c	LIN.FT.	200
SHIELDED DETECTOR LEAD-IN WIRE NO.16 A.W.G. 2/c	LIN.FT.	275
SHIELDED DETECTOR LEAD-IN WIRE NO.18 A.W.G. 4/c	LIN.FT.	7,700
DETECTOR LOOP WIRE NO.14 A.W.G. 1/c	LIN.FT.	11,250
NO. 6 AWG COMMON GROUND (GREEN) 1/c	LIN.FT.	225
OVERHEAD STREET NAME SIGN (HIGH INTENSITY SHEETING)	EACH	4
RIO-12 SIGN (24"X30")(HIGH INTENSITY SHEETING)	EACH	4
--- Quantities For Information Only ---		

S=Stretch
D=Delay

FWHA REGION NO.	STATE	PROJECT NUMBER	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
7	KANSAS	618-34	1998	86	169

LEGEND	LENGTH	QUANTITY
Central	5'-0"	2
Greenwich Rd	10'-0"	2



NOTE: The contractor shall supply and install all necessary materials and equipment for the complete installation and operation of the traffic signals system whether specifically mentioned or not.

Central Ave. and Greenwich Road
T.S. No. 1.0

DAVID C. SPEARS, P.E.		DIRECTOR/COUNTY ENGINEER			
REVISED	SCALE	DESIGNED	TRACED	CHECKED	SHEET NO.
		BER		WDH	
	DATE	JULY, 1997			
PLANFILE TS-1-O.DWG			TOTAL SHEETS		

ITEM	UNIT	QUANTITY
TRAFFIC SIGNAL INSTALLATION (CENTRAL & GREENWICH RD.)	LUMP SUM	LUMP SUM