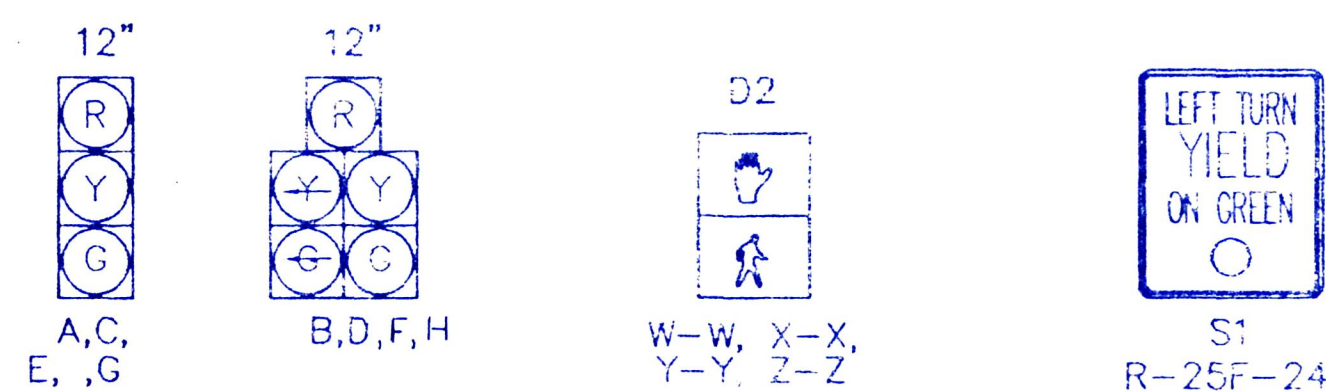


PREEMPT CHANNEL 1  
PREEMPT CHANNEL 2  
PHASING DIAGRAM

SIGNAL HEAD	φ1		φ2		φ3		φ4		FLASH	DWELL
A	G	G	Y	R	R	R	R	R	Y	G
B	G	G	Y	R	R	R	R	R	Y	G
C	G	G	Y	R	R	R	R	R	Y	G
D	G	G	Y	R	R	R	R	R	Y	G
E	R	R	R	R	G	G	Y	R	R	R
F	R	R	R	R	G	G	Y	R	R	R
G	R	R	R	R	G	G	Y	R	R	R
H	R	R	R	R	G	G	Y	R	R	R
W-W	DW	DW	DW	DW	DW	DW	DW	DW	DW	DW
X-X	DW	DW	DW	DW	DW	DW	DW	DW	DW	DW
Y-Y	DW	DW	DW	DW	DW	DW	DW	DW	DW	DW
Z-Z	DW	DW	DW	DW	DW	DW	DW	DW	DW	DW

SIGNAL SEQUENCE CHART



VEHICULAR SIGNAL HEADS

PEDESTRIAN SIGNAL HEADS

FUNCTION	φ1	φ2	φ3	φ4
INITIAL		10.0		
MINIMUM GREEN	19.0		10.0	10.0
VEHICLE EXTENSION		2.5		
MAXIMUM GREEN		18.0	10.0	10.0
PEDESTRIAN WALK	6.0	6.0		
PEDESTRIAN CLEARANCE	10.0	10.0		
VEHICLE YELLOW CLEARANCE	4.0	4.0	3.0	3.0
VEHICLE ALL RED CLEARANCE	1.0	1.0	0.0	0.0
RECALL	ON	OFF	ON	ON
MEMORY	ON	OFF	ON	ON

SIGNAL TIMING CHART

LEGEND:  
MAST ARM SIGNAL SUPPORT  
PEDESTAL WITH PED. HEAD  
SIGNAL HEAD  
PULLBOX  
CONTROLLER CABINET  
LOOP DETECTORS  
1-POST SIGN  
2-POST SIGN  
PREEMPT DETECTOR  
PREEMPT CONFIRMATION LIGHT  
ARM-MOUNTED SIGN  
PED. PUSHBUTTON  
INTERCONNECT CONDUIT-X INCH  
CONDUIT-X INCH

PROPOSED

PD2: 8' PEDESTAL  
W/2 PED. HEADS, 2 PPB'S, S2 AND S3  
STA. 9+70.28, 25.68' LT.  
PB4: STA. 9+65.93, 30.13' LT.  
P1: COMBINATION SIGNAL SUPPORT  
TC-12.30 DESIGN NO. 6 W/MAST  
ARMS DESIGN 11 & DESIGN 11,  
2 PCL'S, 2 PED. HEADS, 2 PPB'S, S2 AND S3  
STA. 9+56.91, 29.51' RT.  
PB1: STA. 9+65.51, 30.72' RT.

NOTES:  
1. \* INDICATES QUANTITY ACCOUNTED FOR ON SHEET 19.  
2. SEE NOTE ON POWER SERVICE, AS PER PLAN ON SHEET 3.

LOOP	SIZE	TURNS	MODE	DELAY	PHASE	REMARK	INHIBITED DELAY	LOOP LOCATION
L-1	6x30	2	PRESENCE	8.0	φ2	DELAY & EXTENSION	YES	STA. 9+87.50, 59.83' LT.
L-2	6x30	2	PRESENCE	8.0	φ2	DELAY & EXTENSION	YES	STA. 9+99.85, 59.83' LT.
L-3	6x30	2	PRESENCE	8.0	φ2	DELAY & EXTENSION	YES	STA. 10+13.19, 70.11' RT.
L-4	6x30	2	PRESENCE	8.0	φ2	DELAY & EXTENSION	YES	STA. 9+99.79, 70.11' RT.

LOOP DETECTOR CHART

CONTROLLER: BASE MOUNTED  
STA. 10+29.67, 44.24' LT.

PB2: STA. 10+28.23, 32.96' LT.

P2: COMBINATION SIGNAL SUPPORT  
TC-12.30 DESIGN NO. 5 W/MAST  
ARMS DESIGN 12 & DESIGN 2,  
2 PCL'S, 2 PED. HEADS, 2 PPB'S, S2 AND S3  
STA. 10+29.58, 34.46' LT.

PD1: 8' PEDESTAL  
W/2 PED. HEADS, 2 PPB'S, S2 AND S3  
STA. 10+48.76, 28.50' RT.  
PB3: STA. 10+48.33, 31.79' RT.

STA. 10+00.00 S.R. 39 (JACKSON ST.) =  
STA. 10+00.00 S.R. 83 (CLAY ST.)

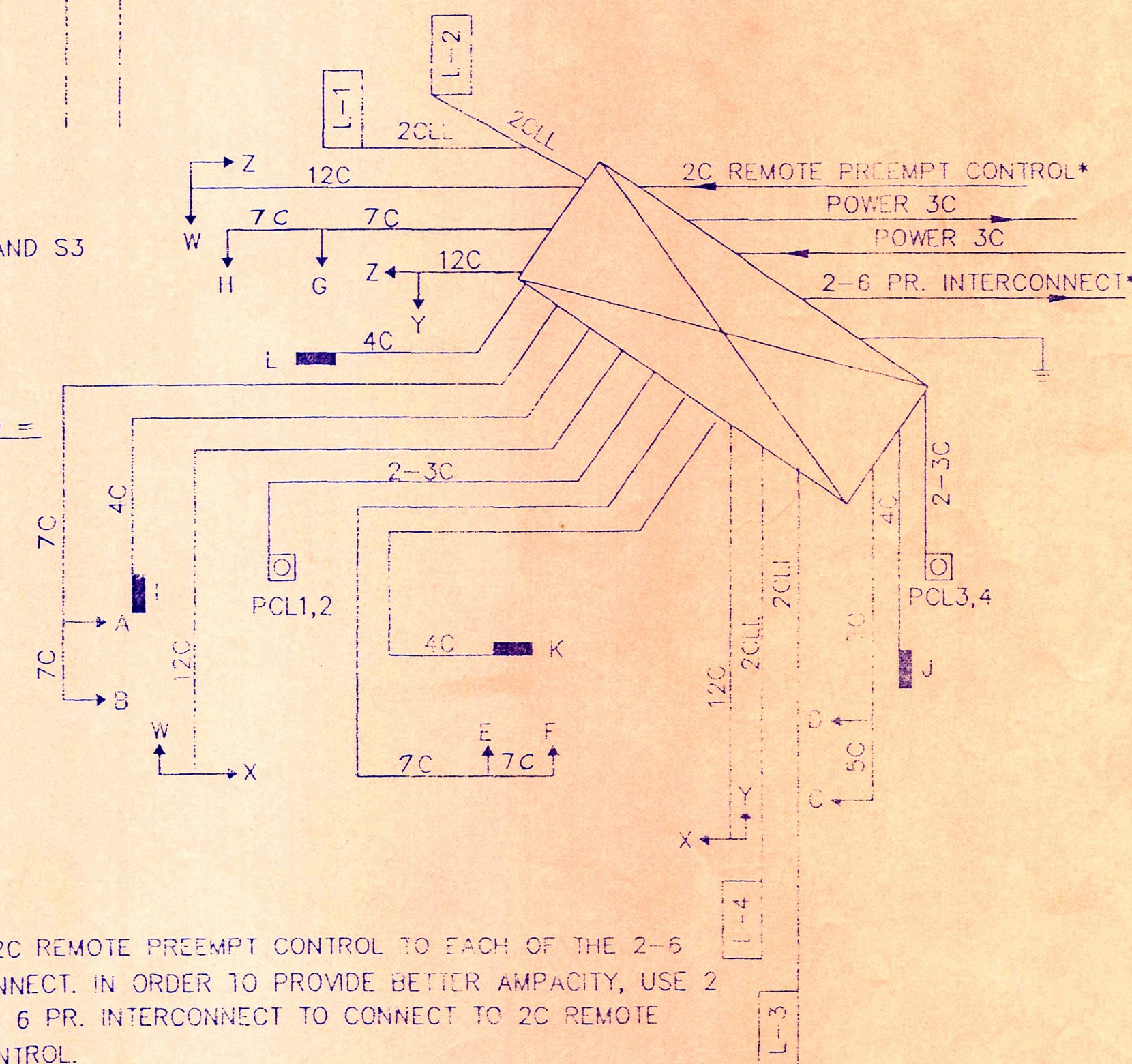
CROSS REFERENCES

SHEET	DESCRIPTION
2-4A	GENERAL NOTES
13-14	SIGNALIZATION SUB-SUMMARY
18	TRAFFIC SIGNAL PLAN DETAILS
19	INTERCONNECT PLAN

PREEMPT CHANNELS:  
CHANNEL 1 = ALL RED ALL DIRECTIONS  
CHANNEL 2 = FUTURE

PREEMPT CHANNEL 1 NOTES:

- ACTIVE WALK INDICATIONS SHALL IMMEDIATELY GO TO "DON'T WALK" UPON RECEIVING PREEMPTION SIGNAL.
- ACTIVE GREEN PHASE SHALL IMMEDIATELY TIME ITS YELLOW AND ALL RED CLEARANCES WHEN PREEMPT PHASE IS CALLED.
- AFTER RELEASE FROM PREEMPT, RETURN PHASE SHALL BE φ1.



WIRING DIAGRAM  
(NOT TO SCALE)

\* CONNECT 2C REMOTE PREEMPT CONTROL TO EACH OF THE 2-6 PR. INTERCONNECT. IN ORDER TO PROVIDE BETTER AMPACITY, USE 2 PR. OF EACH 6 PR. INTERCONNECT TO CONNECT TO 2C REMOTE PREEMPT CONTROL.