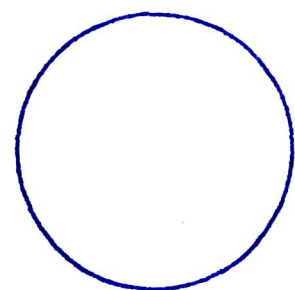
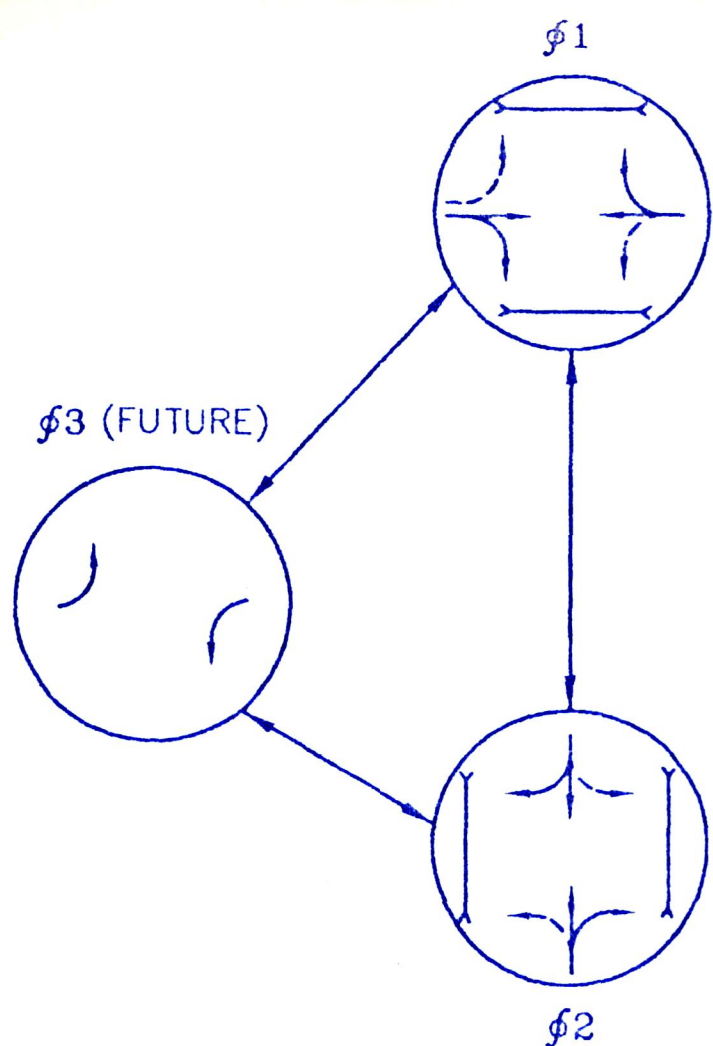


PREEMPT
CHANNEL 1



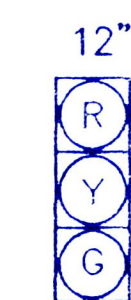
PREEMPT
CHANNEL 2



PHASING DIAGRAM

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

SIGNAL SEQUENCE CHART



A,B,C,D,
E,F,G,H



W-W, X-X,
Y-Y, Z-Z

VEHICULAR
SIGNAL HEADS

PEDESTRIAN
SIGNAL HEADS

FUNCTION	φ1	φ2
INITIAL		10.0
MINIMUM GREEN	20.0	-
VEHICLE EXTENSION	-	2.5
MAXIMUM GREEN	-	17.0
PEDESTRIAN WALK	6.0	6.0
PEDESTRIAN CLEARANCE	10.0	10.0
VEHICLE YELLOW CLEARANCE	4.0	4.0
VEHICLE ALL RED CLEARANCE	1.0	1.0
RECALL	ON	OFF
MEMORY	ON	OFF

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
X"C INTERCONNECT
X"C

STA. 13+21.70 S.R. 39 (JACKSON ST.)=
STA. 10+00.00 MONROE ST.

PB2: STA. 12+95.93, 29.40' LT.

P2: COMBINATION SIGNAL SUPPORT
TC-81.20 DESIGN NO. 4 W/MAST
ARMS DESIGN 3 & DESIGN 3,
1 PCL, 2 PED. HEADS, S2 AND S3
STA. 12+99.68, 34.70' LT.

PB2: 8' PEDESTAL
W/2 PED. HEADS, 2 PPB'S, S2 AND S3
STA. 13+02.48, 31.87' RT.
PB4: STA. 13+03.96, 37.00' RT.
PB5: STA. 12+90.96, 28.11' RT.

BASELINE POINT 1 - DRILL HOLE WITH "V"
ELEV. 904.29
STATE PLANE COORDINATES
N. 323844.219
E. 2130696.168
STA. 12+94.82, 29.63' RT. (JACKSON ST.)
STA. 9+70.43, 26.94' LT. (MONROE ST.)

MILLERSBURG CONTROL MONUMENT NO. 8
(DO NOT DISTURB)
BRASS DISK IN CONCRETE
ELEV. 904.38
STATE PLANE COORDINATES
N. 323838.957
E. 2130695.532
STA. 12+94.37, 34.91' RT. (JACKSON ST.)
STA. 9+65.15, 27.40' LT. (MONROE ST.)

LOOP	SIZE	TURNS	MODE	DELAY	PHASE	REMARK	INHIBITED DELAY	LOOP LOCATION
L-1	6x30	2	PRESENCE	8.0	φ2	DELAY & EXTENSION	YES	STA. 13+26.39, 58.97' RT.
L-2	6x30	2	PRESENCE	8.0	φ2	DELAY & EXTENSION	YES	STA. 13+14.49, 63.29' LT.

LOOP DETECTOR CHART

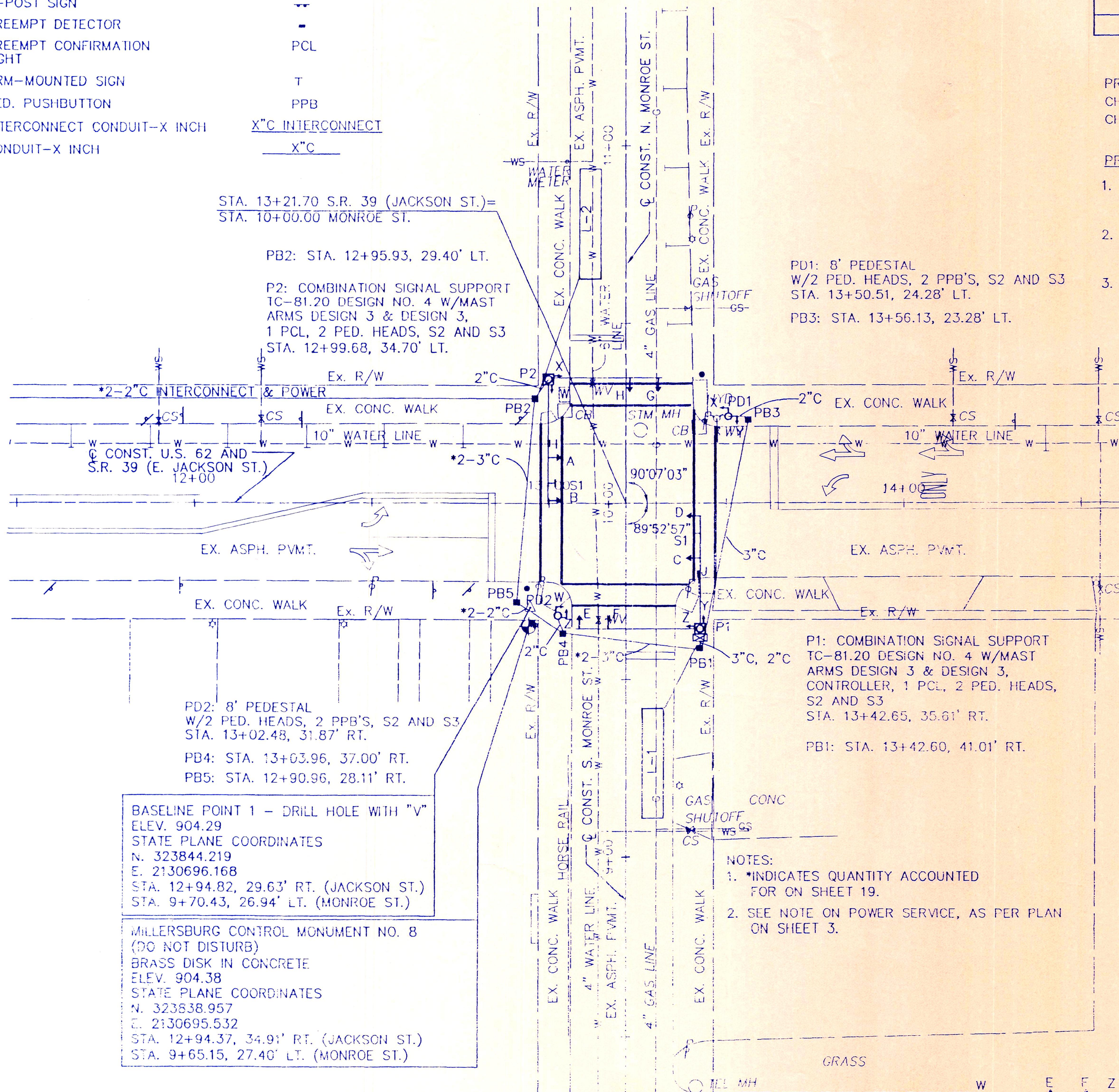
CROSS REFERENCES

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

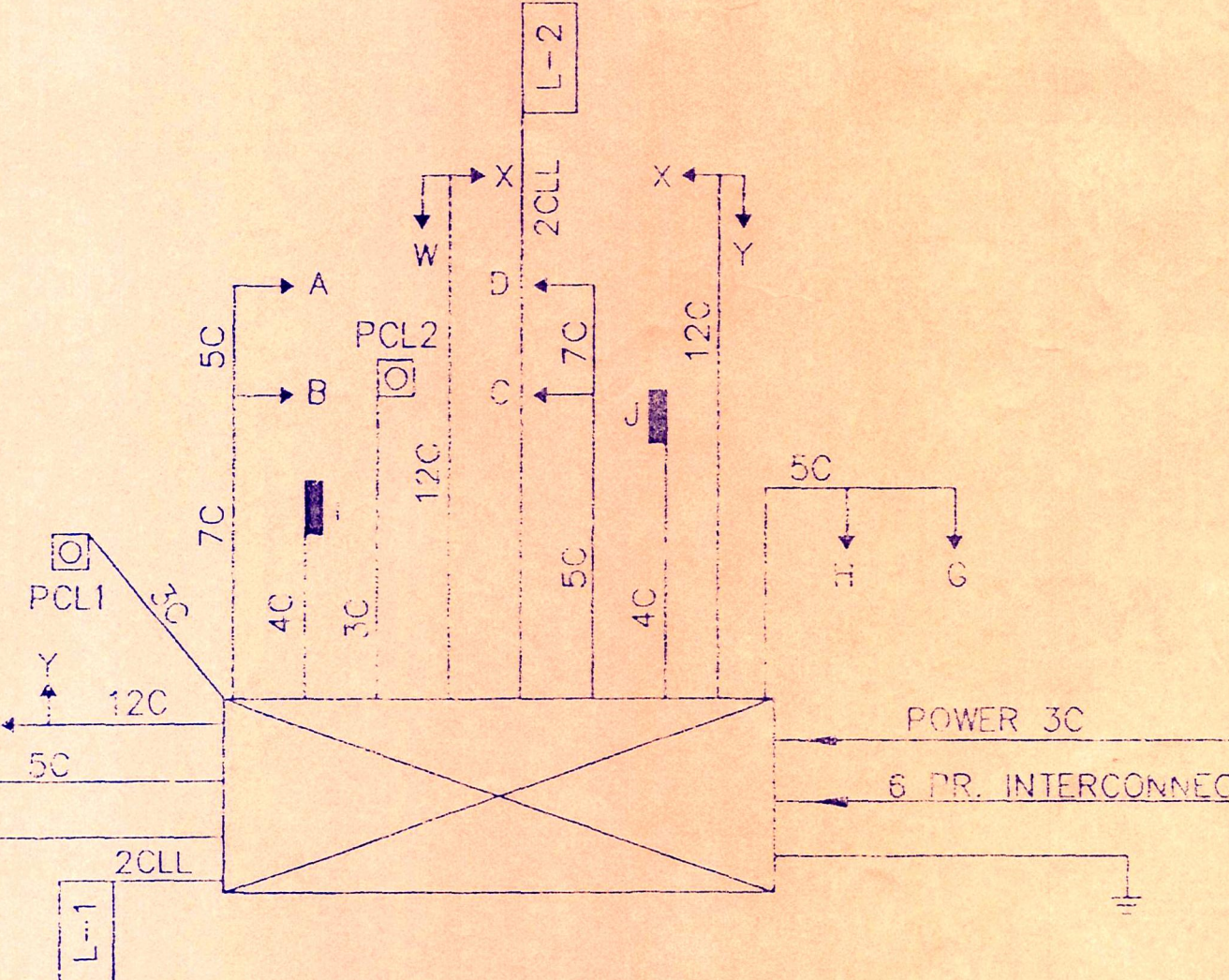
PREEMPT CHANNELS:
CHANNEL 1 = ALL RED ALL DIRECTIONS
CHANNEL 2 = FUTURE

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.



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



WIRING DIAGRAM
(NOT TO SCALE)