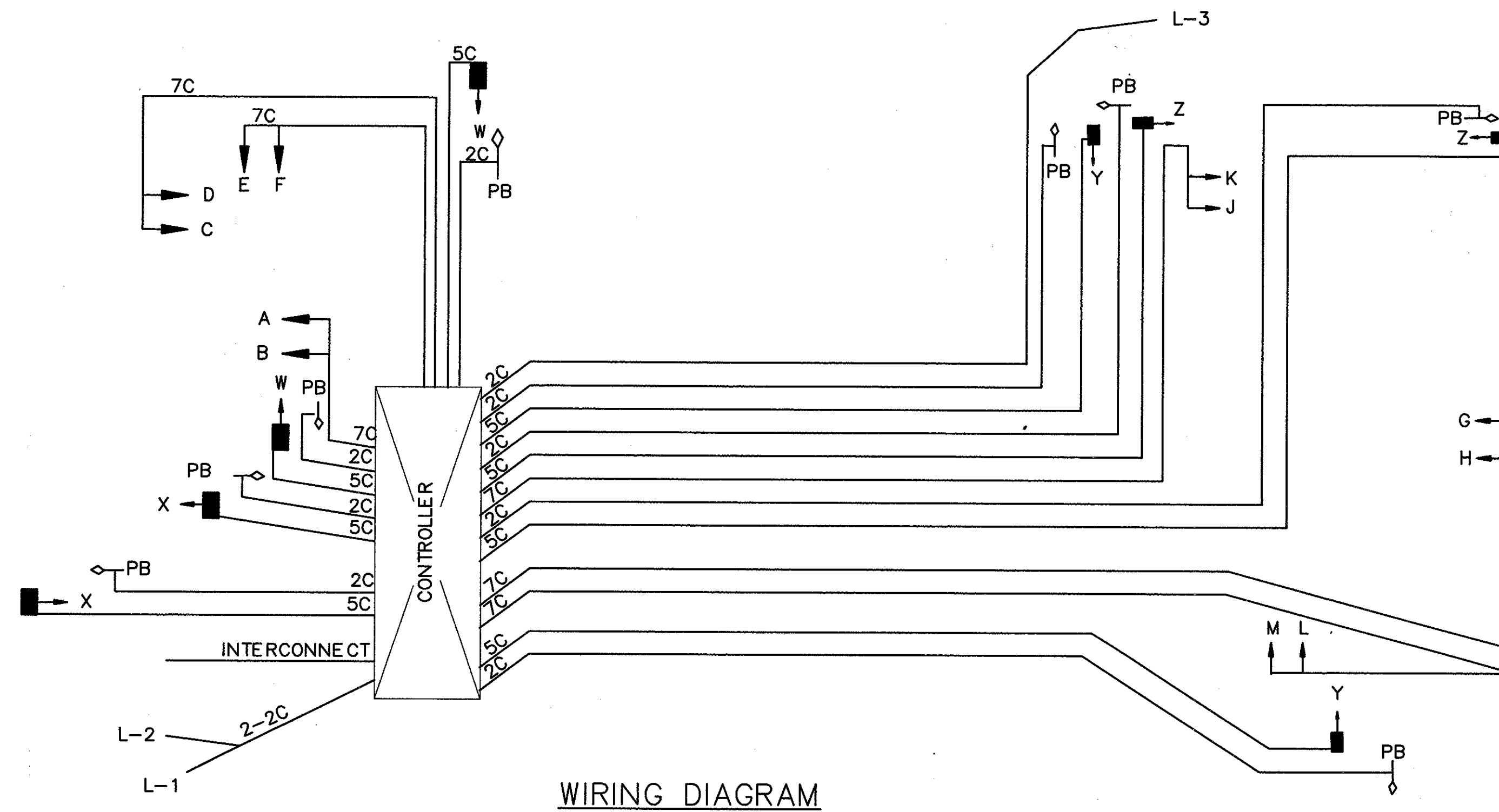


PHASING DIAGRAM

SIGNAL HEAD	φ1		φ2		φ3		FLASH	DWELL								
	R/W	CLEAR	R/W	CLEAR	R/W	CLEAR										
A	G	G	Y	R	R	R	R	Y	G							
B	G	G	Y	R	R	R	R	Y	G							
C	G	G	③	③	R	R	R	G	Y	G						
D	G	G	③	③	R	R	R	G	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	G	G	①	①	G	G	④	⑤	R	R	Y	G				
H	G	G	①	①	G	G	④	⑤	R	R	Y	G				
J	G	G	Y	R	R	R	R	R	Y	G						
K	G	G	Y	R	R	R	R	R	Y	G						
L	R	R	R	R	R	R	R	G	G	Y	R	R				
M	R	R	R	R	R	R	R	G	G	Y	R	R				
W-W	D	W	D	W	D	W	D	W	D	W	D	W	OUT	D	W	
X-X	W	D	W	D	W	D	W	D	W	D	W	D	W	OUT	D	W
Y-Y	D	W	D	W	D	W	D	W	D	W	D	W	OUT	D	W	
Z-Z	W	D	W	D	W	D	W	D	W	D	W	OUT	D	W		

SIGNAL SEQUENCE CHART

- ① Y IF φ3 NEXT ④ $\frac{G}{X}$ IF φ1 NEXT
- ② R IF φ3 NEXT ⑤ G IF φ1 NEXT
- ③ G IF φ3 NEXT



WIRING DIAGRAM

FUNCTION	φ1	φ2	φ3
INITIAL GREEN	-	7.0	7.0
MINIMUM GREEN	30.0	-	-
VEHICLE EXTENSION	-	2.5	2.5
MAXIMUM GREEN	-	23.0	20.0
PEDESTRIAN WALK	7.0	7.0	7.0
PEDESTRIAN CLEARANCE	10.0	16.0	13.0
VEHICLE YELLOW CLEARANCE	3.0	3.0	3.0
VEHICLE ALL RED CLEARANCE	1.0	1.0	1.0
RE CALL	YES	-	-
MEMORY	-	-	-

SIGNAL TIMING CHART

FOR SIGNING DETAILS SEE SHEET 363-365
 FOR ORIENTATION ANGLES SEE SHEET 342-343
 FOR CURB RAMP CALL OFFS SEE SHEET 50
 FOR PAVEMENT MARKING DETAILS SEE SHEET 352-353
 FOR TRAFFIC CONTROL GENERAL SUMMARY SEE SHEET 336-337
 FOR INTERCONNECT DETAILS SEE SHEET 367
 FOR MAINLINE PLAN & PROFILE SEE SHEET 98-99
 FOR SIDESTREET PLAN & PROFILE SEE SHEET 130-131

SUB SUMMARY			
ITEM	DESCRIPTION	UNIT	QTY
625	GROUND ROD	EACH	9
625	PULL BOX, 713.08, 18"	EACH	6
625	PULL BOX, 713.08, 24"	EACH	3
625	TRENCH	LN FT	805
625	CONDUIT, 2", 713.07, TYPE DB	LN FT	220
625	CONDUIT, 3", 713.07, TYPE DB	LN FT	253
625	CONDUIT, CONCRETE ENCASED, 3", 713.07	LN FT	368
632	VEHICULAR SIGNAL HEADS, 5-SECTION, 12" LENS, 1-WAY, AS PER PLAN	EACH	2
632	VEHICULAR SIGNAL HEADS, 3-SECTION, 12" LENS, 1-WAY, AS PER PLAN	EACH	10
632	PEDESTRIAN SIGNAL HEAD, TYPE D2, AS PER PLAN	EACH	8
632	PEDESTRIAN PUSHBUTTON	EACH	8
632	LOOP DETECTOR UNIT, DELAY AND EXTENSION TYPE, AS PER PLAN	EACH	3
632	LOOP DETECTOR PAVEMENT CUTTING	LN FT	280
632	CONCRETE FOR ANCHOR BASE FOUNDATION	CU YDS	12.04
632	SIGNAL SUPPORT, TYPE TC-81.20, DESIGN 12, WITH MAST		
	ARMS TC-81.20 DESIGN 11, 42 FEET AND TC-81.20 DESIGN 3, 33 FEET	EACH	1
632	SIGNAL SUPPORT, TYPE TC-81.20, DESIGN 12, WITH MAST		
	ARMS TC-81.20 DESIGN 11, 42 FEET AND TC-81.20 DESIGN 1, 20 FEET	EACH	1
632	SIGNAL SUPPORT, TYPE TC-81.20, DESIGN No. 11, W/ 42' ARM	EACH	2
632	PEDESTAL, 8', TRANSFORMER BASE	EACH	3
632	PEDESTAL, 8'	EACH	1
632	CABLE SUPPORT ASSEMBLY	EACH	6
632	SIGNAL CABLE, 2-CONDUCTOR, 14 AWG, AS PER PLAN	LN FT	1629
632	SIGNAL CABLE, 5-CONDUCTOR, 14 AWG	LN FT	1661
632	SIGNAL CABLE, 7-CONDUCTOR, 14 AWG	LN FT	1692
632	LOOP DETECTOR WIRE, TYPE E	LN FT	693
632	LOOP DETECTOR LEAD-IN CABLE	LN FT	489
632	POWER CABLE, 2-CONDUCTOR, 8 AWG	LN FT	150
632	POWER SERVICE	EACH	1
632	CONDUIT RISER, 2" DIAMETER	EACH	1
632	COVERING OF VEHICULAR SIGNAL HEADS	EACH	12
632	REMOVAL OF TRAFFIC SIGNAL INSTALLATION, AS PER PLAN	EACH	1
633	CONTROLLER, ACTUATED, 4 PHASE, SOLID STATE DIGITAL MICROPROCESSOR, AS PER PLAN	EACH	1
633	COORDINATOR, MULTI-DIAL, SOLID STATE DIGITAL MICROPROCESSOR, SECONDARY	EACH	1
633	CONCRETE FOR CABINET FOUNDATION	CU YDS	1.00
633	CONTROLLER WORK PAD	SQ FT	8.3