

SUPPORT NO.	SIGNAL SUPPORT		FOUNDATION					ORIENTATION ANGLES (DEG.) FROM MAST ARM "A"										
	TC-81.20	TC-12.30	STATION	OFFSET	L	L1	L2	L3	L4	MAST ARM A ANGLE (DEG.)	MAST ARM B	PEDESTRIAN SIGNALS	PEDESTRIAN PUSH BUTTONS	POWER SERVICE	CONTROLLER	LUMINAIRE BRACKET	HANDHOLE	CABLE ENTRANCE (12" FROM TOP)
P1	PED		282+82	35'L						0		180	270					180
P2	2	2	283+61	32'L	28	17	27			90		115	180					180
P3	PED		283+67	35'R						0		270	270					180
P4	4	3	283+24	67'R	33	22	32			330		170	255					180
P5		2			31	20	30			90		175	225					180
P5	11	11	282+77	28'R	39	7	22	37	38	50		225	275					180
P6	PED		282+41	35'R						0		180	180					180

ORIENTATION ANGLE CHART

FUNCTION	Ø2	Ø3	Ø4
MINIMUM GREEN	20	8	8
PED WALK	-	7	7
PED CLEARANCE	-	12	14
GREEN EXTENSION	3.0	3.0	3.0
MAXIMUM GREEN	53	21	21
YELLOW CLEARANCE	3.1	3.7	3.4
ALL RED CLEARANCE	1.9	1.9	1.9
RECALL	MIN	NONE	NONE

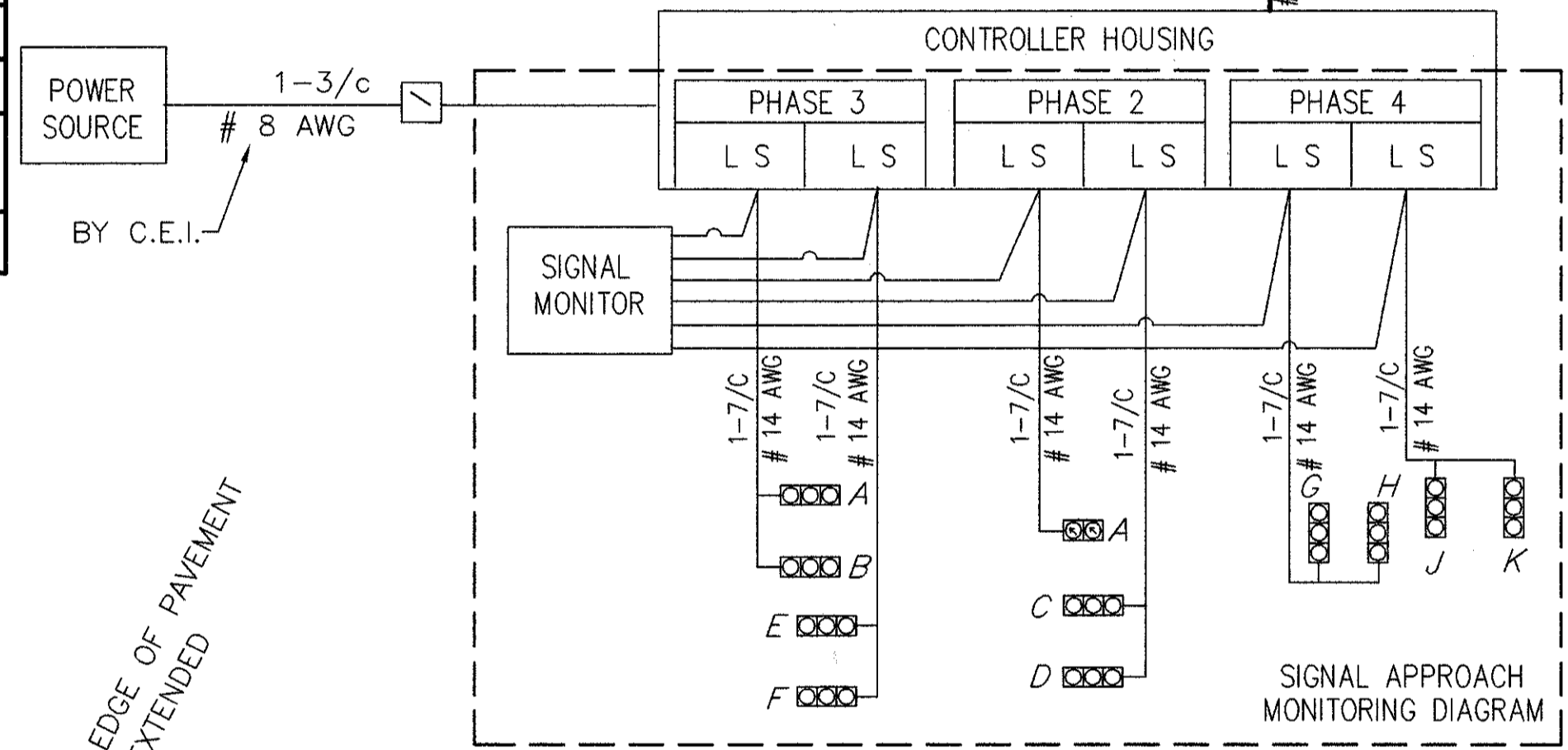
SIGNAL TIMING

LOOP #	SIZE	# TURNS	MODE	DELAY	UNIT	# PHASE
L1	6'x12'x30'	2-4-2	PRESENCE	8	1	4
L2	8' x 30'	2	PRESENCE	0	2	2
L3	6' x 30'	2	PRESENCE	0	3	3
L4	6' x 6'	3	PRESENCE	0	4	SYSTEM
L5	6' x 30'	2	PRESENCE	8	5	4
L6	6' x 30'	2	PRESENCE	8	6	3
L7	6' x 30'	2	PRESENCE	0	7	3
L8	8' x 30'	2	PRESENCE	0	8	2

LOOP DETECTOR CHART

SIGNAL HEAD	Ø2		Ø3		Ø4		FLASH
	R/W	CLEAR	R/W	CLEAR	R/W	CLEAR	
A	R/R	R/R	G	G	Y	R	R
B	R	R	R	G	Y	R	R
C	G	Y	R	R	R	R	R
D	G	Y	R	R	R	R	R
E	R	R	R	G	Y	R	R
F	R	R	R	G	Y	R	R
G	R	R	R	R	R	G	G
H	R	R	R	R	R	G	G
J	R	R	R	R	R	G	G
K	R	R	R	R	R	G	G
S-S	DW	DW	DW	DW	DW	DW	DW
T-T	DW	DW	DW	DW	DW	DW	DW

SIGNAL DISPLAY CHART

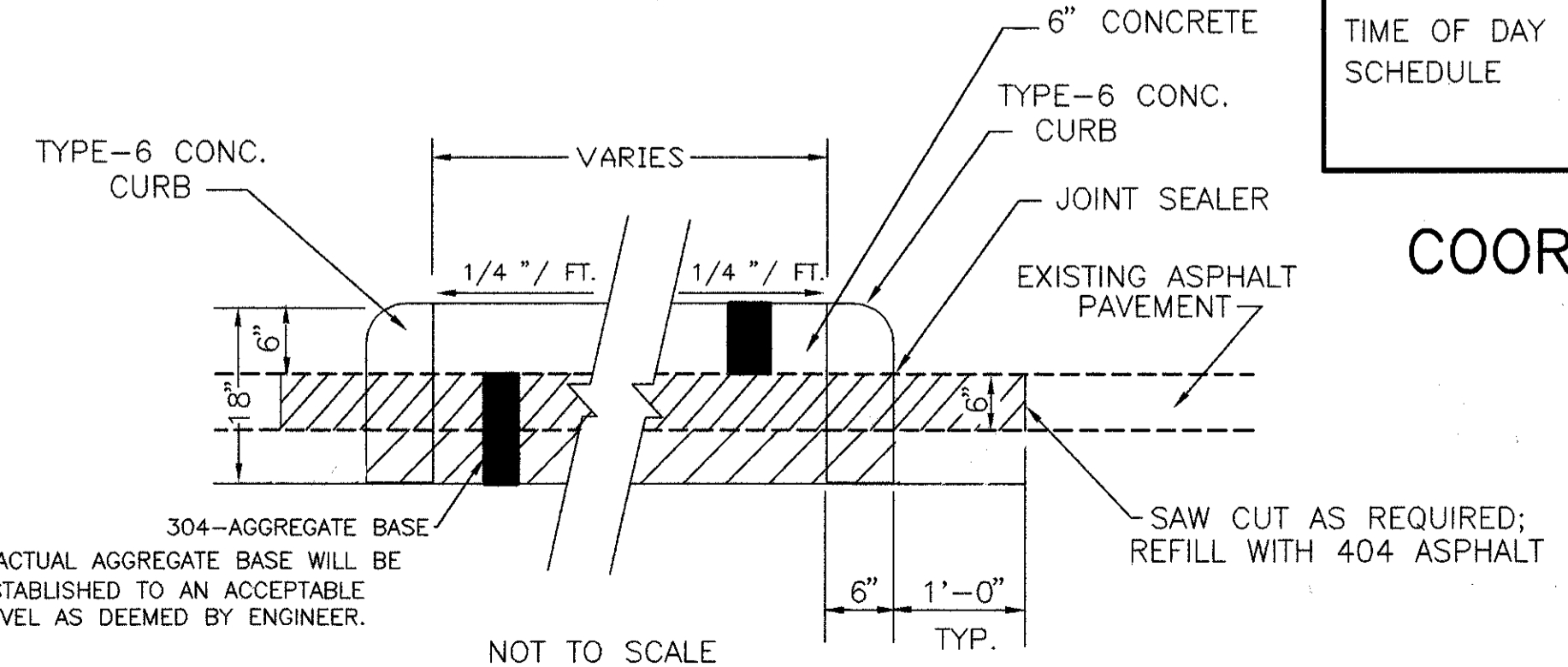
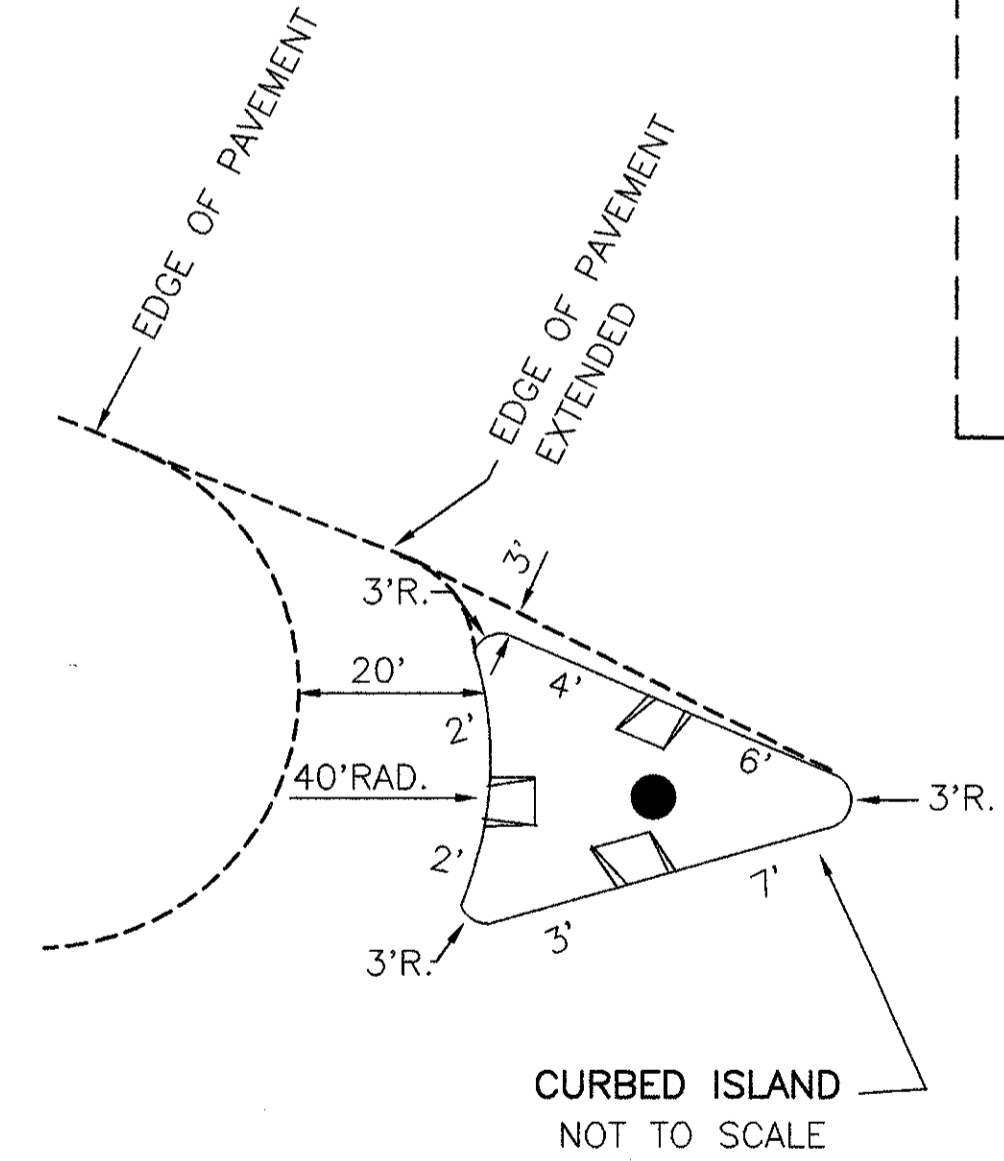


WIRING DIAGRAM

- NOTES:
- PHASE SPLITS SHALL INCLUDE ALL GREEN PLUS YELLOW & ALL RED
  - PERMISSIVES SHALL START AT THE ZERO POINT OF THE CYCLE
  - OFFSETS SHALL BE REFERENCED TO THE BEGINNING OF PHASE 2 YELLOW

	DIAL 1	DIAL 2	DIAL 3
CYCLE LENGTH	100	120	110
PHASE 2 SPLIT	21 %	17 %	20 %
PHASE 3 SPLIT	57 %	65 %	61 %
PHASE 4 SPLIT	22 %	18 %	19 %
PERMISSIVE	10 %	10 %	10 %
OFFSET	12 %	2 %	4 %
TIME OF DAY SCHEDULE	ALL OTHER TIMES	6:30AM TO 9:00AM MON-SAT	3:30PM TO 6:30PM MON-SAT

COORDINATION TIMING



ITEM	TOTAL	UNIT	DESCRIPTION
202	11	LIN FT	CURB REMOVED
202	465	SQ. FT.	WALK REMOVED
304	3	CU. YD	AGGREGATE BASE
404	4	CU. YD	ASPHALT CONCRETE, AC-20
608	465	SQ. FT.	4" CONCRETE WALK
608	125	SQ. FT.	CURB RAMP, TYPE 2
609	56	LIN FT	CURB, TYPE 6
612	9	SQ. YD	8" CONCRETE TRAFFIC ISLAND
625	7	EACH	GROUND ROD
625	7	EACH	PULLBOX, MISC. AS PER PLAN
625	128	LIN FT	CONDUIT, 2", 713.04
625	4	LIN FT	CONDUIT, 4", 713.04
625	326	LIN FT	CONDUIT, JACKED OR DRILLED UNDER PAVEMENT, 3"
625	116	LIN FT	TRENCH
625	16	LIN FT	TRENCH IN PAVED AREA, TYPE "B"
632	9	EACH	VEHICULAR SIGNAL HEAD, 3 SECT., 12" LENS, 1-WAY, AS PER PLAN
632	1	EACH	VEHICULAR SIGNAL HEAD, 5 SECT., 12" LENS, 1-WAY, AS PER PLAN
632	12	EACH	PEDESTRIAN SIGNAL HEAD, TYPE D2
632	11	EACH	PEDESTRIAN PUSHBUTTON
632	5	EACH	LOOP DETECTOR UNIT, AS PER PLAN
632	3	EACH	LOOP DETECTOR UNIT, DELAY AND EXTENSION TYPE, AS PER PLAN
632	7.97	CU YD	CONCRETE FOR ANCHOR BASE FOUNDATION
632	1	EACH	SIGNAL SUPPORT, TYPE TC-81.20, DES. 2, WITH 28' ARM, AS PER PLAN
632	1	EACH	SIGNAL SUPPORT, TYPE TC-81.20, DES. 4 WITH MAST ARM TYPE TC-81.20 DES. 3, 33' ARM AND TYPE TC-81.20 DES. 2, 31' ARM, AS PER PLAN
632	1	EACH	SIGNAL SUPPORT, TYPE TC-81.20, DES. 11, WITH 39' ARM, AS PER PLAN
632	3	EACH	PEDESTAL, 8", TRANSFORMER BASE, AS PER PLAN
632	3	EACH	CABLE SUPPORT ASSEMBLY
632	691	LIN FT	LOOP DETECTOR PAVEMENT CUTTING
632	989	LIN FT	SIGNAL CABLE, 7 CONDUCTOR, NO. 14 AWG
632	983	LIN FT	SIGNAL CABLE, 9 CONDUCTOR, NO. 14 AWG
632	1632	LIN FT	LOOP DETECTOR WIRE, TYPE E
632	908	LIN FT	LOOP DETECTOR LEAD-IN CABLE
632	56	LIN FT	POWER CABLE, 3 CONDUCTOR, NO. 8 AWG
632	1	EACH	CONDUIT RISER, 1 1/2"
632	10	EACH	COVERING OF VEHICULAR SIGNAL HEAD
632	1	EACH	REMOVAL OF TRAFFIC SIGNAL INSTALLATION, AS PER PLAN
633	0.99	CU YD	CONCRETE FOR CABINET FOUNDATION
633	1	EACH	CONTROLLER, ACTUATED, 4 PHASE, SOLID STATE DIGITAL MICROPROCESSOR, AS PER PLAN
642	0.01	MILE	CENTERLINE, TYPE 2
642	22	LIN FT	STOP LINE, TYPE 2
642	77	LIN FT	REMOVAL OF PAVEMENT MARKING