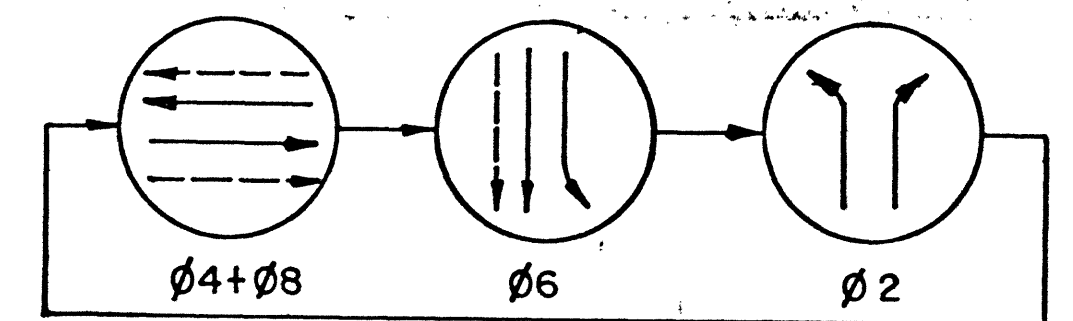


CONDUIT-CABLE SCHEDULE									
RUN NO.	FROM	TO	CONDUIT SIZE	SIGNAL CABLE	DET. LEADS	LIGHTING CIRCUIT	GRND. WIRE	INTER-CONNECT	SERVICE
1	CONTROLLER	PULL BOX CONTROLLER	2-3" 1-2"	XXXX	XXXX	2-#10	1-#2	XX	2-#2 2-#6
2	PULL BOX CONTROLLER	PULL BOX POLE ③	3"	XXX	XXX	2-#10	1-#2	X	2-#2 2-#6
3	PULL BOX CONTROLLER	PULL BOX POLES ① & ②	3"	XXX	XXX	2-#10	1-#8		
4	PULL BOX POLES ① & ②	PULL BOX POLE ③	2"	XXX	XXX	2-#10	1-#8		
5	PULL BOX POLE ③	PULL BOX TERMINUS	1 1/2"		XX				
6	PULL BOX POLES ① & ②	PULL BOX TERMINUS	1 1/2"		X				
7	PULL BOX CONTROLLER	PULL BOX TERMINUS	1 1/2"		X				
8	PULL BOX POLE ③	PULL BOX TERMINUS	1 1/2"		XX				
9	PULL BOX POLE ③	PULL BOX TERMINUS	2"		X				
10	SERVICE	PULL BOX CONTROLLER	3"			2-#10	1-#2	X	2-#2 2-#6
11	PULL BOX SPECIAL CABINET	PULL BOX CONTROLLER	1 1/2"					X	2-#2 2-#6
12	JCT. ③ & ②	JCT. ② & ①	2"					X	2-#2 2-#6

- CONDUIT-CABLE SCHEDULE NOTES.
- ① INDICATES 10 CONDUCTOR NO. 14 AWG CABLE, ○ INDICATES 20 CONDUCTOR NO. 14 AWG CABLE.
 - LOOP DETECTOR CABLE SHALL BE ONE TWISTED PAIR OF #12 AWG CABLE I.M.S.A. SPEC. 19-2.
 - SIGNAL CONDUCTOR CABLE SHALL BE INSTALLED "HOME RUN" TERMINAL BLOCK TO CONTROLLER WITH NO SPLICING ALLOWED. CONDUCTORS IN POLES PAST TERMINAL BLOCK SHALL BE INDIVIDUAL, COLOR CODED NO. 14 AWG CONDUCTORS.
 - SIGNAL CABLE SHALL CONFORM TO I.M.S.A. SPEC. 20-1.
 - THE CONTRACTOR SHALL INSTALL AND CONNECT A 6 PAIR NO. 22 AWG CONDUCTOR CABLE FROM THE SPECIAL JUNCTION CABINET ON HONOLULU ST. TO THE CONTROLLER WITH NO SPLICING ALLOWED (INTERCONNECT CABLE).
 - ALL PULL BOXES SHALL BE NO. 5 UNLESS OTHERWISE NOTED.

- POLE SCHEDULE NOTES
- LUMINAIRES SHALL BE 400 WATT HIGH PRESSURE SODIUM 90 DEG. CUTOFF (GE #C646 N506 OR EQUAL) WITH IES II DISTRIBUTION AND INTEGRAL BALLAST (120 VAC) AND INDIVIDUAL P.E. CONTROL.
 - ALL POLES TO PRIME PAINTED BY MANUFACTURER AND FINISH PAINTED BY CONTRACTOR. SEE STANDARD SPECIFICATION SEC. 714.03.01.
 - THE PEDESTRIAN SIGNAL HEADS SHALL BE INTERNATIONAL SYMBOL (HAND AND MAN) NEON MODULES.
 - THE NEW TYPE 35 POLES SHALL BE EQUIPPED WITH HIGHRISE LUMINAIRE ARM.
 - EXISTING POLES ①, ② AND ③ SHALL HAVE NEW SIGNAL ARMS INSTALLED AS PER SCHEDULE AND SPECIAL DETAIL.
 - ALL COSTS ASSOCIATED WITH POLE ④ (FOUNDATION, ANCHOR BELTS, ETC.) SHALL BE INCLUDED IN BID ITEM 623-8501, "REMOVE & RESET SIGNAL POLE".
 - ALL COSTS ASSOCIATED WITH POLES ⑤ & ⑥ (BOLT CIRCLE, WELDING, HARDWARE, ETC.) SHALL BE INCLUDED IN BID ITEMS 623-4730 (SIGNAL ARM 30 FOOT) AND 623-4735 (SIGNAL ARM 35 FOOT).



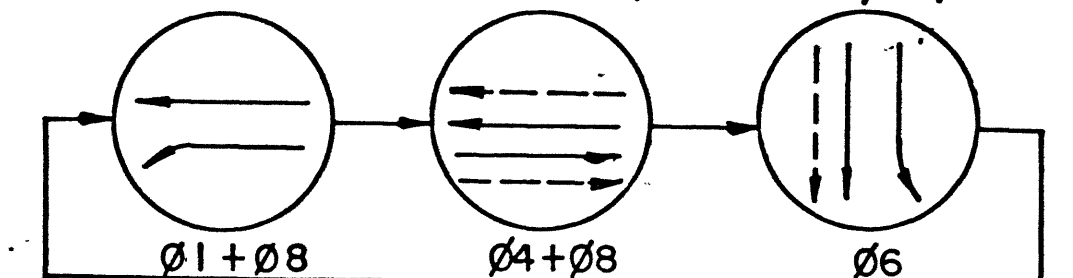
(14 AMPLIFIER UNITS OR CHANNELS REQUIRED)

PHASE DIAGRAM

FLASHING OPERATION SHALL BE ALL RED

PHASE MODULES REQUIRED:

2-TYPE DP (Ø4+Ø8); 2-TYPE S (Ø2 FUTURE Ø7); 1-TYPE SP (Ø6)



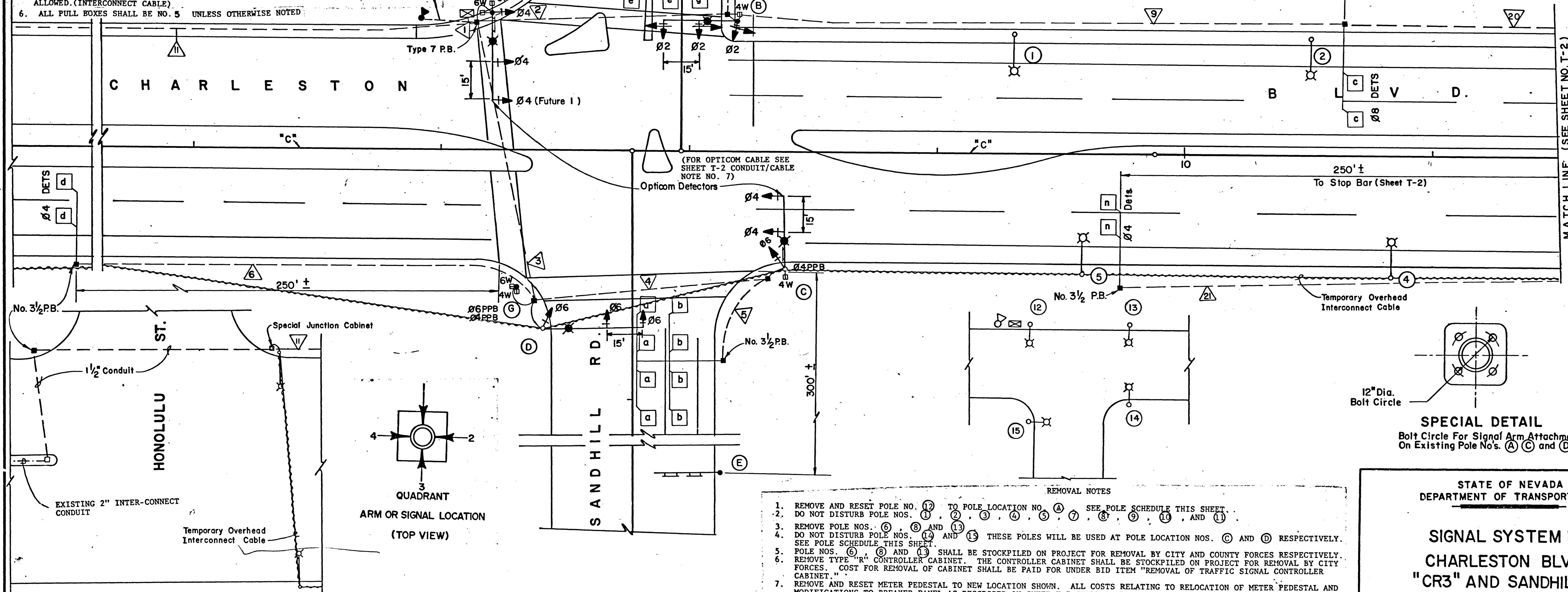
FUTURE PHASE DIAGRAM

NOTE: (See Sheet T-2 For Controller Notes)

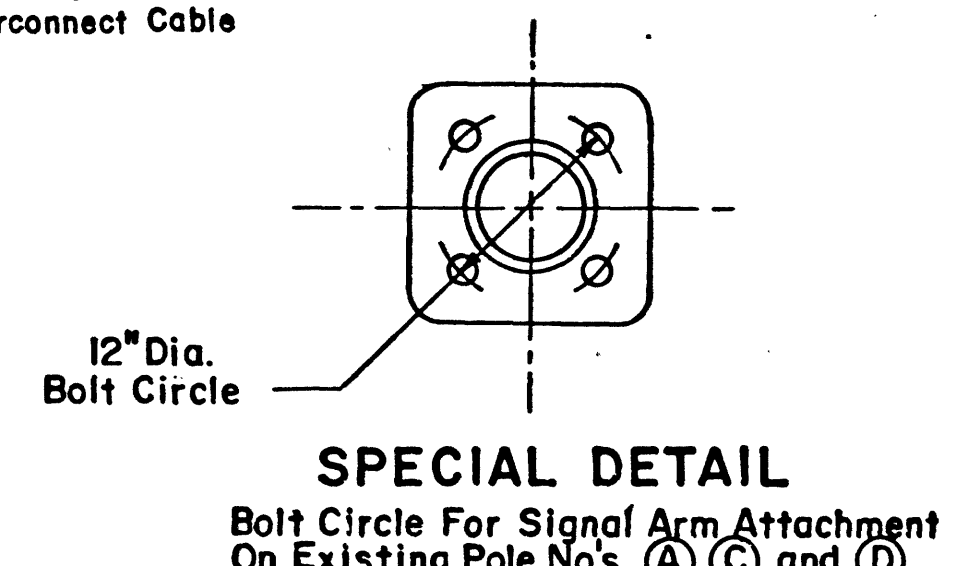
POLE SCHEDULE													
POLE							SIGNALS VEH.			SIGNALS PED.		PED. BUTTON	
NO.	STATION	TYPE	SIGNAL ARM		LUM. ARM		TYPE	MOUNT.	QUAD.	MOUNT.	QUAD.	QUAD.	ARROW
			QUAD.	LENGTH	QUAD.	LENGTH							
Ⓐ	"C" 7+20± 55' LT. RELOCATED POLE NO. 12	35	3	35	3	Existing	1W3C 1W3C 1W3C	M-2 M-2 B-1	MAST ARM MAST ARM 1	WS-2	1	2 3	LT RT
Ⓑ	"C" 8+20± 53' LT	35	4	30	4	15	1W3C 1W3C 1W3C	M-2 M-2 B-1	MAST ARM MAST ARM 2	WS-1	2	3	LT
Ⓒ	"C" 8+40± EXISTING POLE	Exist.	1	30	1	Existing	1W3C 1W3C 1W3C	M-2 M-2 B-1	MAST ARM MAST ARM 3	WS-1	3	1	RT
Ⓓ	"C" 7+42± EXISTING POLE	Exist.	2	35	2	Existing	1W3C 1W3C 1W3C	M-2 M-2 B-1	MAST ARM MAST ARM 4	-	-	-	-
Ⓔ	"C" 8+10± 350' RT	35	4	30	-	-	-	-	-	-	-	-	-
Ⓖ	"C" 7+30± 55' RT.	1-B	-	-	-	-	-	-	-	WT-2	POST TOP	1 2	LT. RT.

POLE SCHEDULE NOTES CONTINUE

8. INTERNALLY ILLUMINATED STREET NAME SIGNS SHALL BE REQUIRED FOR POLES ① AND ②. THE SIGNS SHALL READ "SANDHILL DR."



- REMOVAL NOTES
- REMOVE AND RESET POLE NO. ⑫ TO POLE LOCATION NO. ④. SEE POLE SCHEDULE THIS SHEET.
 - DO NOT DISTURB POLE NOS. ①, ②, ③, ④, ⑤, ⑥, ⑦, ⑧, ⑨, ⑩, AND ⑪.
 - REMOVE POLE NOS. ⑥, ⑧ AND ⑬. THESE POLES WILL BE USED AT POLE LOCATION NOS. ③ AND ④ RESPECTIVELY.
 - DO NOT DISTURB POLE NOS. ⑫ AND ⑬. SEE POLE SCHEDULE THIS SHEET.
 - POLE NOS. ⑥, ⑧ AND ⑬ SHALL BE STOCKPILED ON PROJECT FOR REMOVAL BY CITY AND COUNTY FORCES RESPECTIVELY.
 - REMOVE TYPE "R" CONTROLLER CABINET. THE CONTROLLER CABINET SHALL BE STOCKPILED ON PROJECT FOR REMOVAL BY CITY FORCES. COST FOR REMOVAL OF CABINET SHALL BE PAID FOR UNDER BID ITEM "REMOVAL OF TRAFFIC SIGNAL CONTROLLER CABINET."
 - REMOVE AND RESET METER PEDESTAL TO NEW LOCATION SHOWN. ALL COSTS RELATING TO RELOCATION OF METER PEDESTAL AND MODIFICATIONS TO BREAKER PANEL AS DESCRIBED ON SHEET T-7 SHALL BE PAID FOR UNDER BID ITEM "MODIFY ELECTRICAL SERVICE", EACH.



SPECIAL DETAIL
Bolt Circle For Signal Arm Attachment
On Existing Pole Nos. ①, ③ and ④

STATE OF NEVADA
DEPARTMENT OF TRANSPORTATION

SIGNAL SYSTEM FOR
CHARLESTON BLVD. &
"CR3" AND SANDHILL RD.