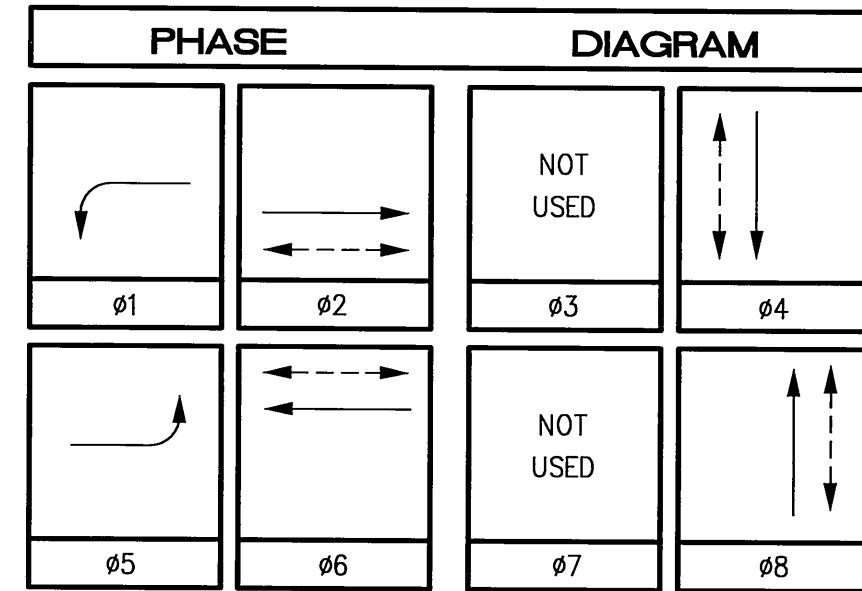
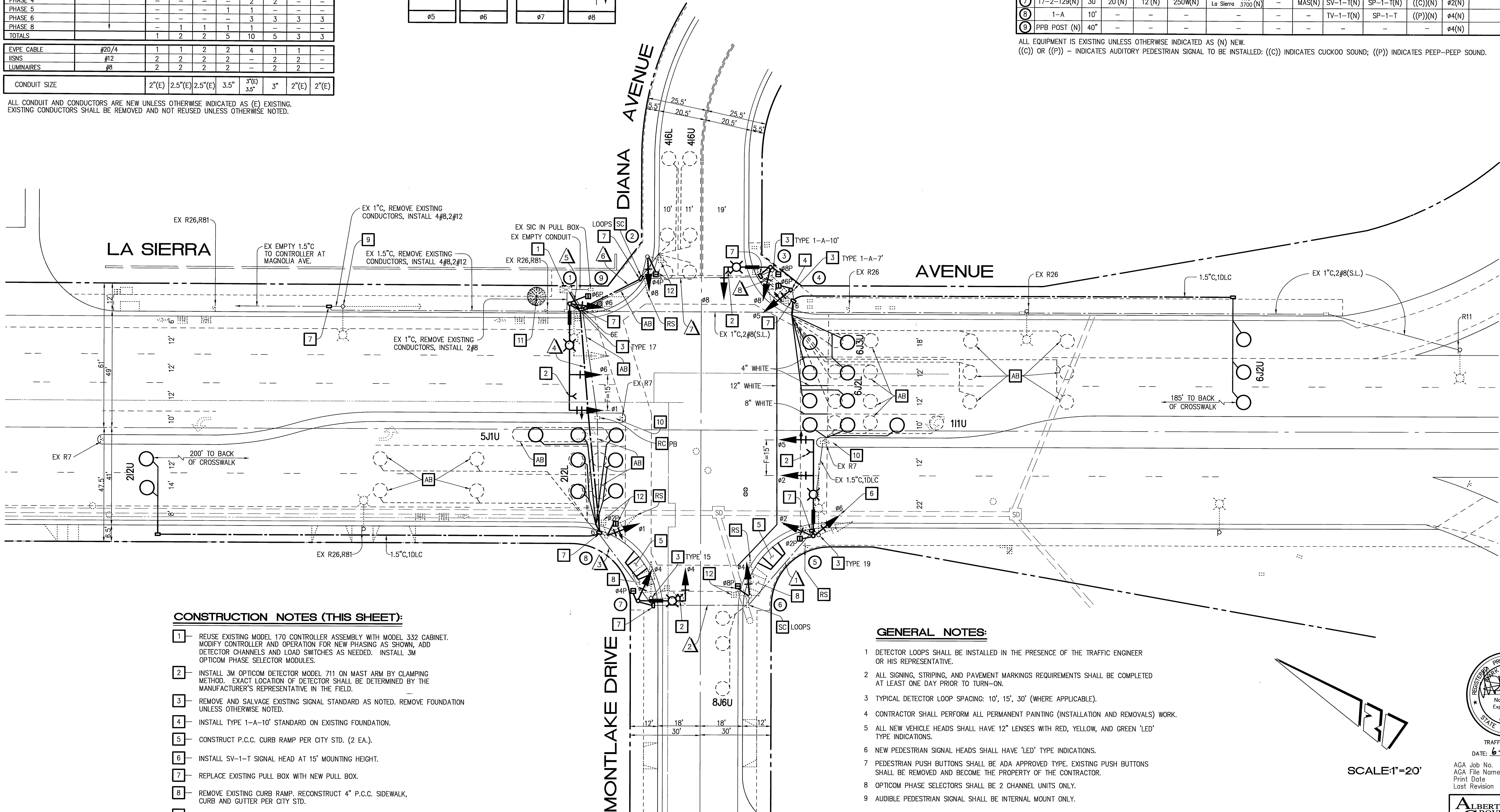


CONDUCTOR		TABLE							
CONTROL FUNCTION	CONDUCTORS	CONDUCTOR				RUNS			
		1	2	3	4	5	6	7	8
VEHICLE & PEDESTRIAN HEADS, PEDESTRIAN PUSH BUTTONS, SPARES & COMMONS	12 CONDUCTOR IMSA 9 CONDUCTOR IMSA 5 CONDUCTOR IMSA 3 CONDUCTOR IMSA	1	2	3	4	8	3	2	1
DETECTOR CABLE	#16/2	1	1	1	1	1	-	-	-
PHASE 1		-	-	-	-	-	-	-	-
PHASE 2		-	-	-	-	-	-	-	-
PHASE 4		-	-	-	-	2	2	-	-
PHASE 5		-	-	-	1	1	-	-	-
PHASE 6		-	-	-	3	3	3	3	-
PHASE 8		-	1	1	1	1	-	-	-
TOTALS		1	2	2	5	10	5	3	3
EVPE CABLE	#20/4	1	1	2	2	4	1	1	-
IISNS	#12	2	2	2	2	-	2	2	-
LUMINAIRES	#8	2	2	2	2	-	2	2	-
CONDUIT SIZE		2"(E)	2.5"(E)	2.5"(E)	3.5"	3"(E) 3.5"	3"	2"(E)	2"(E)



POLE		SCHEDULE											
No.	TYPE	STANDARD		LUMINAIRE	HPS	IISNS	LEGEND	SIGNAL MOUNTING			PPB	PHASE	REMARKS
		HGT.	SIG. M.A.					LUM. M.A.	VEHICLE	PED			
1	26-4-129(N)	30'	45'(N)	15'(N)	250W(N)	Diana	Ave 1100(N)	MAS(N)	MAS(N)	SV-1-T(N)	SP-1-T(N)	((P))(N)	-
2	1-A	10'	-	-	-	-	-	-	-	TV-1-T(N)	SP-1-T	((C))(N)	#6(N)
3	17-2-129(N)	30'	20'(N)	12'(N)	250W(N)	La Sierra	Ave 3600(N)	MAS(N)	MAS(N)	SV-1-T(N)	SP-1-T(N)	((C))(N)	#6(N)
4	1-A(N)	10'	-	-	-	-	-	-	-	TV-1-T(N)	SP-1-T(N)	((P))(N)	#8(N)
5	26-4-129(N)	30'	40'(N)	15'(N)	250W(N)	Montlake	Ave 1110(N)	MAS(N)	MAS(N)	SV-1-T(N)	SP-1-T(N)	((P))(N)	#8(N) SEE NOTE 6
6	1-A	10'	-	-	-	-	-	-	-	TV-1-T(N)	SP-1-T	((C))(N)	#2(N)
7	17-2-129(N)	30'	20'(N)	12'(N)	250W(N)	La Sierra	Ave 3700(N)	MAS(N)	MAS(N)	SV-1-T(N)	SP-1-T(N)	((C))(N)	#2(N)
8	1-A	10'	-	-	-	-	-	-	-	TV-1-T(N)	SP-1-T	((P))(N)	#4(N)
9	PPB POST (N)	40"	-	-	-	-	-	-	-	-	-	-	#4(N)

ALL EQUIPMENT IS EXISTING UNLESS OTHERWISE INDICATED AS (N) NEW.
 ((C)) OR ((P)) - INDICATES AUDITORY PEDESTRIAN SIGNAL TO BE INSTALLED: ((C)) INDICATES CUCKOO SOUND; ((P)) INDICATES PEEP-PEEP SOUND.



- CONSTRUCTION NOTES (THIS SHEET):**
- REUSE EXISTING MODEL 170 CONTROLLER ASSEMBLY WITH MODEL 332 CABINET. MODIFY CONTROLLER AND OPERATION FOR NEW PHASING AS SHOWN, ADD DETECTOR CHANNELS AND LOAD SWITCHES AS NEEDED. INSTALL 3M OPTICOM PHASE SELECTOR MODULES.
 - INSTALL 3M OPTICOM DETECTOR MODEL 711 ON MAST ARM BY CLAMPING METHOD. EXACT LOCATION OF DETECTOR SHALL BE DETERMINED BY THE MANUFACTURER'S REPRESENTATIVE IN THE FIELD.
 - REMOVE AND SALVAGE EXISTING SIGNAL STANDARD AS NOTED. REMOVE FOUNDATION UNLESS OTHERWISE NOTED.
 - INSTALL TYPE 1-A-10' STANDARD ON EXISTING FOUNDATION.
 - CONSTRUCT P.C.C. CURB RAMP PER CITY STD. (2 EA.).
 - INSTALL SV-1-T SIGNAL HEAD AT 15' MOUNTING HEIGHT.
 - REPLACE EXISTING PULL BOX WITH NEW PULL BOX.
 - REMOVE EXISTING CURB RAMP. RECONSTRUCT 4" P.C.C. SIDEWALK, CURB AND GUTTER PER CITY STD.
 - REMOVE EXISTING 120V SIGNAL AND 240V STREET LIGHT SERVICE. INSTALL NEW 120V SIGNAL, 120V SIGN AND 240V STREET LIGHT SERVICE PER STANDARD DWG. NO. 612.
 - REMOVE EXISTING ABANDONED TYPE 1-A FOUNDATION IN RAISED MEDIAN.
 - REMOVE TREE.
 - ROTATE EXISTING PEDESTRIAN SIGNAL HEAD AS SHOWN.

- GENERAL NOTES:**
- DETECTOR LOOPS SHALL BE INSTALLED IN THE PRESENCE OF THE TRAFFIC ENGINEER OR HIS REPRESENTATIVE.
 - ALL SIGNING, STRIPING, AND PAVEMENT MARKINGS REQUIREMENTS SHALL BE COMPLETED AT LEAST ONE DAY PRIOR TO TURN-ON.
 - TYPICAL DETECTOR LOOP SPACING: 10', 15', 30' (WHERE APPLICABLE).
 - CONTRACTOR SHALL PERFORM ALL PERMANENT PAINTING (INSTALLATION AND REMOVALS) WORK.
 - ALL NEW VEHICLE HEADS SHALL HAVE 12" LENSES WITH RED, YELLOW, AND GREEN 'LED' TYPE INDICATIONS.
 - NEW PEDESTRIAN SIGNAL HEADS SHALL HAVE 'LED' TYPE INDICATIONS.
 - PEDESTRIAN PUSH BUTTONS SHALL BE ADA APPROVED TYPE. EXISTING PUSH BUTTONS SHALL BE REMOVED AND BECOME THE PROPERTY OF THE CONTRACTOR.
 - OPTICOM PHASE SELECTORS SHALL BE 2 CHANNEL UNITS ONLY.
 - AUDIBLE PEDESTRIAN SIGNAL SHALL BE INTERNAL MOUNT ONLY.



TRAFFIC No. 1575
 DATE: 6-8-04
 AGA Job No. : 134-006
 AGA File Name: SIERRAMONTLAKE
 Print Date : 6/8/04
 Last Revision : 6/3/04

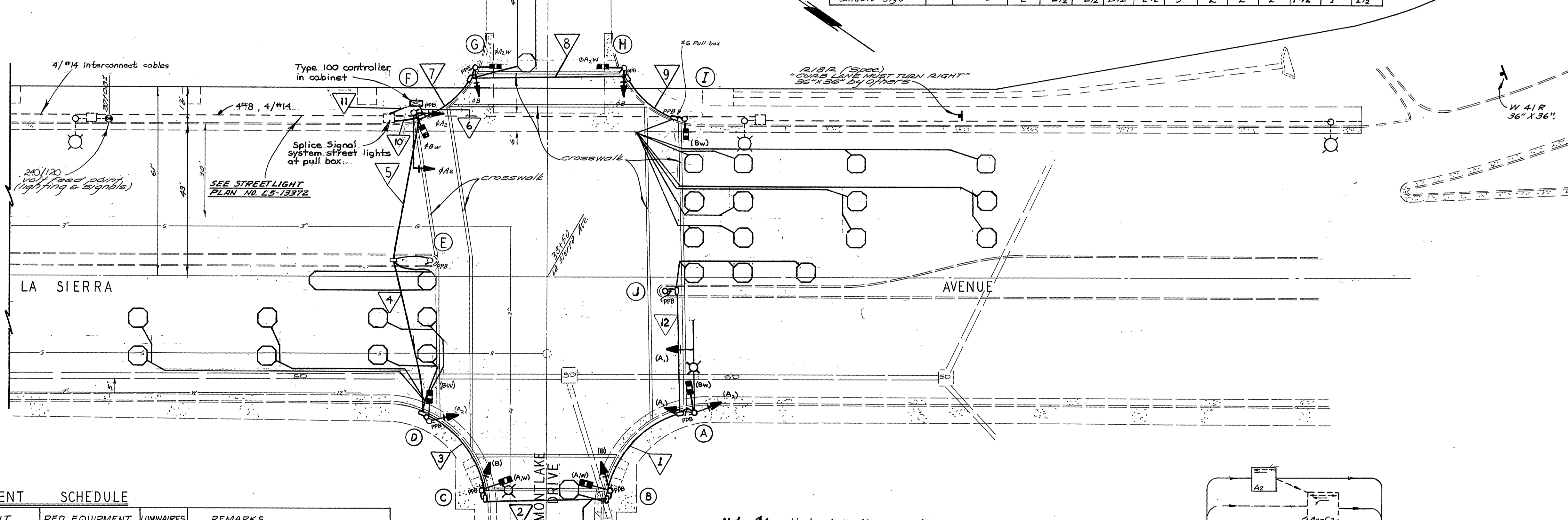
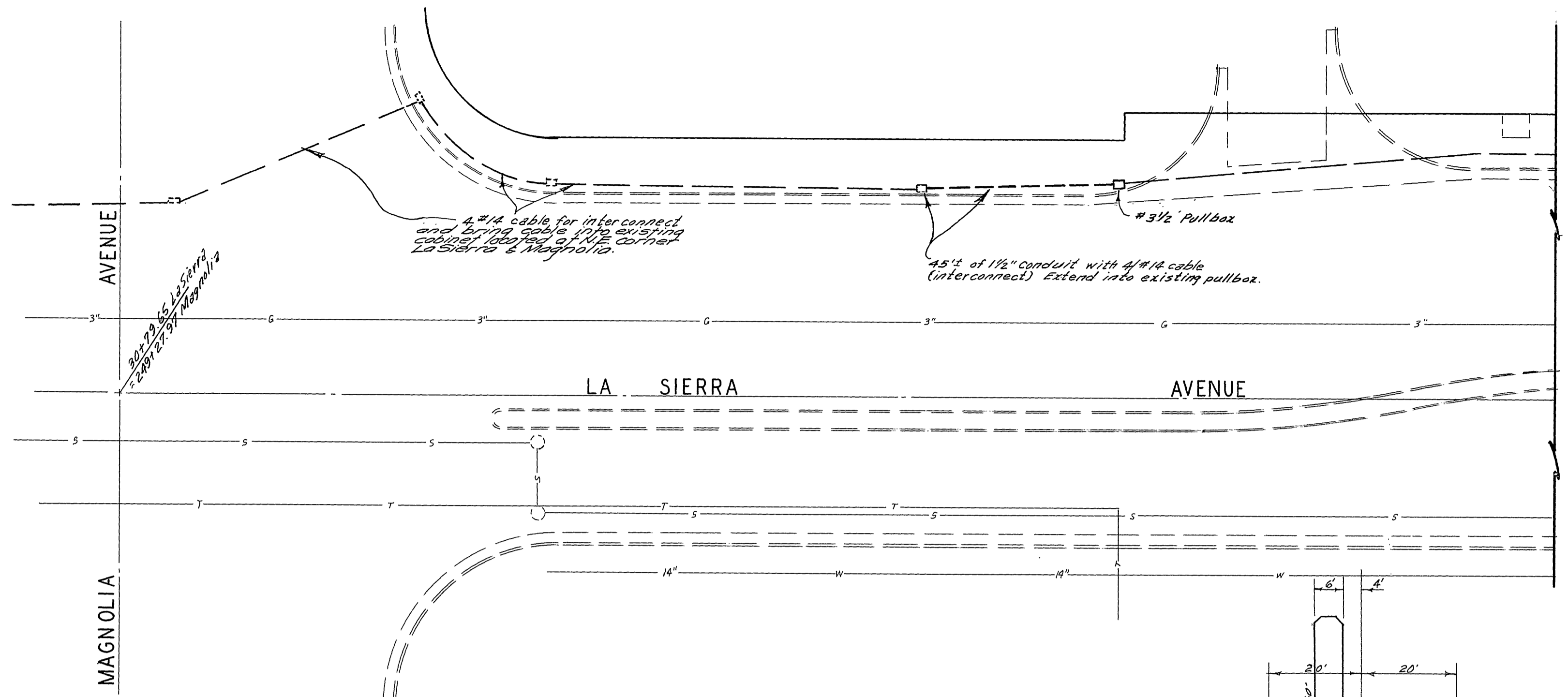
SCALE: 1"=20'

CONTRACT TE-04-03

CITY OF RIVERSIDE, CALIFORNIA DEPARTMENT OF PUBLIC WORKS				TRAFFIC SIGNAL PLAN		ACCOUNT NO.
APPROVED BY		DATE	BY	APPROVED BY		X-427A
PRINCIPAL ENGINEER		6/10/04	JAT	CITY ENGINEER		
TRAFFIC DIVISION		6/10/04	JAT	DATE 6/10/04		SHEET 5 OF 9
DESIGNED BY	JAT	DRAWN BY	TRB/DMS	CHECKED BY	JAT	
LA SIERRA AVENUE AND MONTLAKE DRIVE / DIANA AVENUE				HORIZ. SCALE: 1"= 20'		VERT. SCALE: 1"= -

CONDUCTOR SCHEDULE

CONTROL FUNCTION	CONDUCTORS SIZE INSULATION	CONDUIT RUN															
		1	2	3	4	5	6	7	8	9	10	11	12				
Vehicle Heads	#14 T.W.																
φA1		3	3	3	3	3											
φA2																	
φB			3	3	3	3	6	3	3								
φC1 (Future)		3	3	3	3	3											
φC2 (Future)					3	3											
Pedestrian Heads																	
φA.W			2	2	2	2	2										
φA2.W								2	2	2							
φB.W			2	2	2	2	2	4	2	2	2						
Ped. Push Button																	
φA1.W			1	2	2	2	2										
φA2.W								2	2	1							
φB.W			2	2	2	3	4	6	1	1	1					1	
Detector cables	2#12 U.S.E. or U.F.																
φA1						2	2	2									
φA2								2	2	2							1
φB			1	1	1	1	1	2	1								
φA1 (Future) φC2								1	1								
φA2 (Future) φC2			1	1	1	1	1	1	1	1	1						
Spare	#14 T.W.	3	3	3	3	3	3	3	3	3							
Interconnect	4#14 P.E.																1
12V Common	#12 T.W.	1	1	1	1	1	1	1	1	1	1						1
120V Common	#8	1	1	1	1	1	1	1	1	1	1						
Luminaire		2	2	2	2	2										2	
Signal service																	2
Totals	#14 T.W.	13	19	20	24	25	39	13	12	6							1
	#12	1	1	1	1	1	1	1	1	1	1						1
	#8	3	3	3	3	3	3	3	3	3	3					2	2
	2#12 U.S.E. or U.F.	1	2	2	4	5	8	3	2	2							1
	4#14																1
Conduit size		2"	2 1/2"	2 1/2"	2 1/2"	2 1/2"	2 1/2"	3"	2"	2"	2"	1 1/2"	1"	1 1/2"			

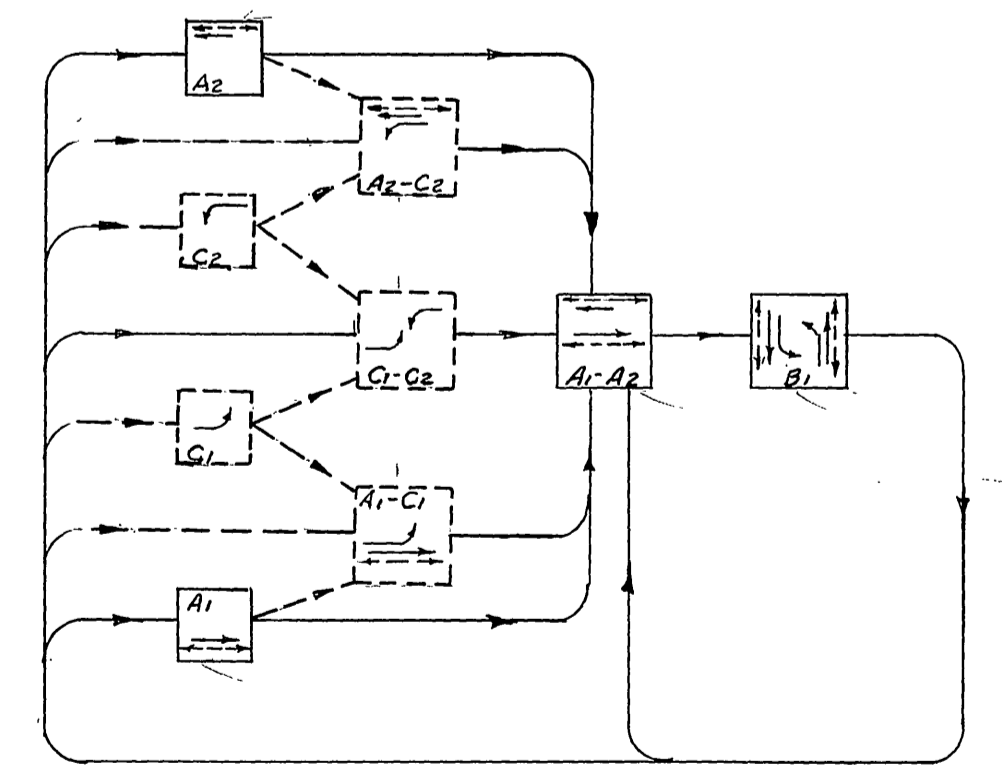


EQUIPMENT SCHEDULE

LOCATION	STD.	VEHICLE HEADS	EQUIPMENT			PED. EQUIPMENT			LUMINAIRES	REMARKS
			MTG.'S	PLATE	LOUVER	HEADS	MTG.'S	P.P.B.'S		
A.	Type XIX-A	1W3C(12")	M-2	1					1000W	
	15" LA 30" SA	2W3C	B-2	2				1W2C	W-0	1
B.	Type I	1W3C	A-1	1				1W2C	W-0	1
C.	Type XV	1W3C(12")	A-1	1				1W2C	W-0	1
D.	Type I	1W3C(R.Y. 12" G.A.)	A-1	1	2			1W2C	W-0	1
E.	Type I									1
F.	Type XVII	1W3C(12")	M-2	1						
	(w/514 M.A)	1W3C	B-1	1				1W2C	W-0	1
G.	Type I	1W3C	A-1	1				1W2C	W-0	1
H.	Type I	1W3C(12")	A-1	1				1W2C	W-0	1
I.	Type I (7'-0")							1W2C	W-1	1
J.	Type I									1

NOTE: All luminaires are MERCURY VAPOR.

Note: φA2 vehicular indication connected to future φC1 & φC2 conductors @ locations (A) & (D) respectively.



PHASE DIAGRAM

Present ———
Future - - - -

ALBERT A. WEBB ASSOCIATES CIVIL ENGINEERS RIVERSIDE, CALIFORNIA APPROVED BY _____ DATE _____ R.E. No. 9876 W.O. 66-304 FOR: Goodrich & Co., Corp. F.B. 622	REVISIONS 1. REPHASED LOGS PER SA PERMITS, R-2527, 11/10/66 2. AS BUILT PER LA SIERRA WIDENING, STAGE I, 11/17/77 3. AS BUILT (S&B DET'S) PER CON. 75-11-6, JAN 1982 4. AS BUILT, JAN 1982	CITY OF RIVERSIDE, CALIFORNIA DEPARTMENT OF PUBLIC WORKS APPROVED BY _____ DATE _____ OFFICE ENGINEER PARK DEPARTMENT TRAFFIC DIVISION ASSISTANT CITY ENGINEER	SIGNAL PLANS LA SIERRA AVENUE AND MONTLAKE DRIVE R/S NO. 1059 HORIZ. SCALE: 1" = 20' VERT. SCALE: 1" =	PROJECT NO. X-427 SHEET 1 OF 1 FILE NO. 66-304-E
	DESIGNED BY _____ DRAWN BY B.E.L. CHECKED BY S.C.I.	DATE 2/4/70	DIRECTOR OF PUBLIC WORKS	HORIZ. SCALE: 1" = 20' VERT. SCALE: 1" =