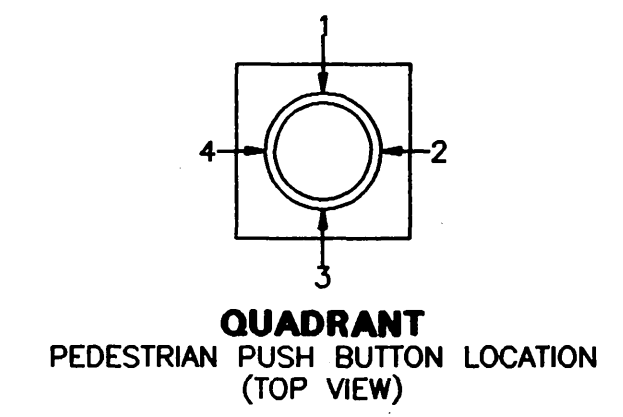


CONDUCTOR SCHEDULE												
AWG	CONDUCTOR	CONDUIT RUN										
		△	△	△	△	△	△	△	△	△	△	△
#14	Ø1	3	3	3	3	6	3	3	3			
	Ø2					3	3					
	Ø3	3	3	3	3	3						
	Ø4					3	3	3				
	Ø5					6	3					
	Ø6	3	3	3	3	3						
	Ø7					3	3	3				
	Ø8					3	3	3				
	Ø2PED					2	2	2	2	2	2	2
	Ø4PED	2	2	2	2	4	2	2				
	Ø6PED	2	2	2	2	2						
	Ø8PED	2	2	2	2	4	2					
	Ø2PPB					2	2	1				
	Ø4PPB	1	1	1	1	2	1	1	1	1	1	1
Ø6PPB	1	1	1	1	2	1						
Ø8PPB	1	1	1	1	2	1						
PPB COMMON	1	1	1	1	2	1	1	1	1	1	1	
SPARE	3	3	3	3	6	3	3	3	3	3	3	
TOTAL #14	10	19	29	29	58	29	19	10				
#12	I.S.N.S.	(2)	2	2	2	2	2	2				
#10	SIGNAL COMMON	1	1	1	1	2	1	1	1	1	1	
#8	LUMINAIRE	2	2	2	2	2	2	2	2	2	2	
#6	SERVICE					2						
DLC	Ø1					2	2					
	Ø2					3	3	3	3			
	Ø3					1	1					
	Ø4	2	2	2	2	2						
	Ø5					3	3	3	3			
	Ø6					1	1	1	1			
	Ø7	1	1	1	1	1	1					
	Ø8					2	2					
	TOTAL DLC	3	3	4	4	8	17	9	6	6	3	
INTERCONNECT CABLE (I.C.)						1	1	1	1			
CONDUIT SIZE		2"	2 1/2"	2 1/2"	3"	3"	3" (E)	3" (E)	3"	3"	2"	

INSTALL ALL NEW CONDUCTORS.
 INSTALL ALL NEW CONDUIT UNLESS OTHERWISE NOTED:
 (E) = EXISTING.
 (X) INSTALL FOR FUTURE USE

POLE SCHEDULE												
NO.	TYPE	HEIGHT	MAST ARM LENGTH		SIGNAL MOUNTING			PPB	H.P.S.	I.S.N.S.	REMARKS	
			SIGNAL	LUMINAIRE	MA	POLE	PED					
(A)	29A-5-80	35'	50'	15'	3-MAS	SV-1-T	SP-1-T	Ø4	2	400 W.	INSTALL NEW POLE AND EQUIPMENT SALVAGE EXISTING POLE AND EQUIPMENT	
(B)	1-A	10'				TV-1-T	SP-1-T	Ø6	3		INSTALL NEW POLE AND EQUIPMENT SALVAGE EXISTING POLE AND EQUIPMENT	
(C)	19A-4-80	35'	30'	15'	2-MAS	SV-2-TB	SP-2-T	Ø6 Ø8	1 2	400 W.	Tyler ST 3500 INSTALL NEW POLE AND EQUIPMENT SALVAGE EXISTING POLE AND EQUIPMENT	
(D)	29A-5-80	35'	55'	15'	3-MAS	SV-2-TB	SP-2-T	Ø2 Ø8	3 2	400 W.	INSTALL NEW POLE AND EQUIPMENT SALVAGE EXISTING POLE AND EQUIPMENT	
(E)	24A-4-80	35'	35'	15'	2-MAS	SV-1-T	SP-1-T	Ø2	1	400 W.	Tyler ST 3500 INSTALL NEW POLE AND EQUIPMENT SALVAGE EXISTING POLE AND EQUIPMENT	
(F)	TYPE 21	35'		15'		SV-1-T	SP-1-T	Ø4	2	400 W.	INSTALL NEW POLE AND EQUIPMENT SALVAGE EXISTING POLE AND EQUIPMENT	

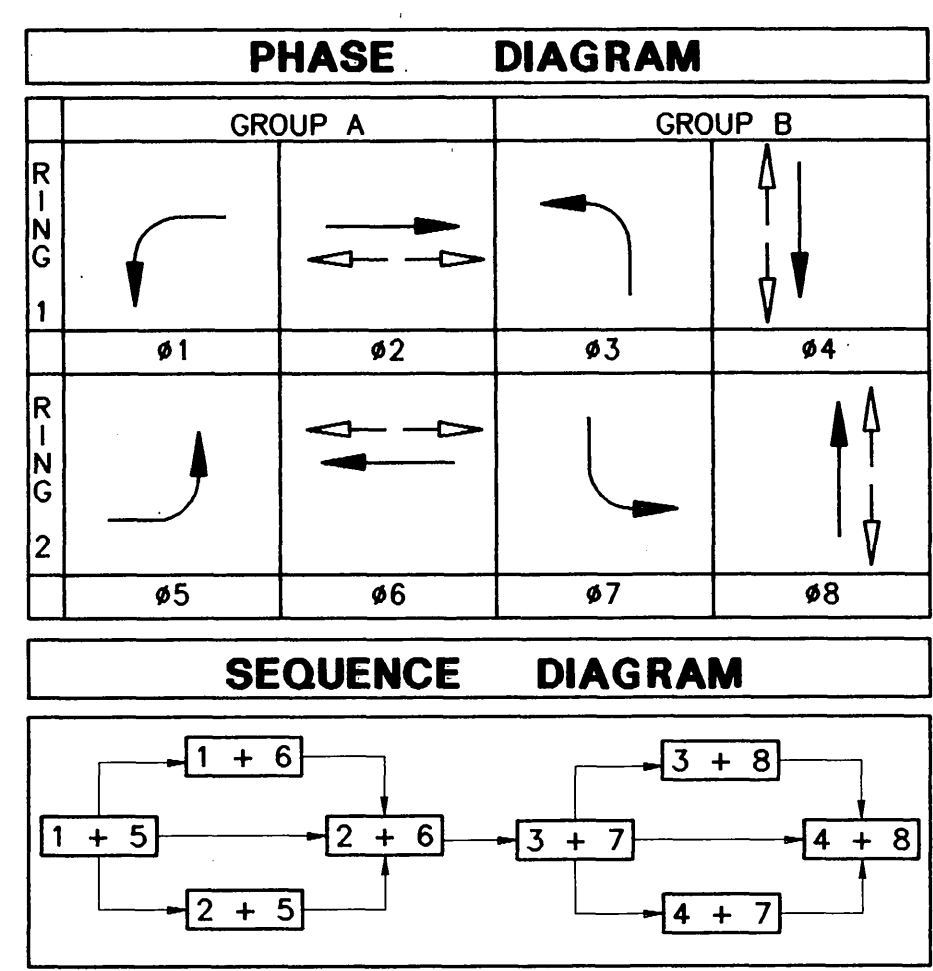
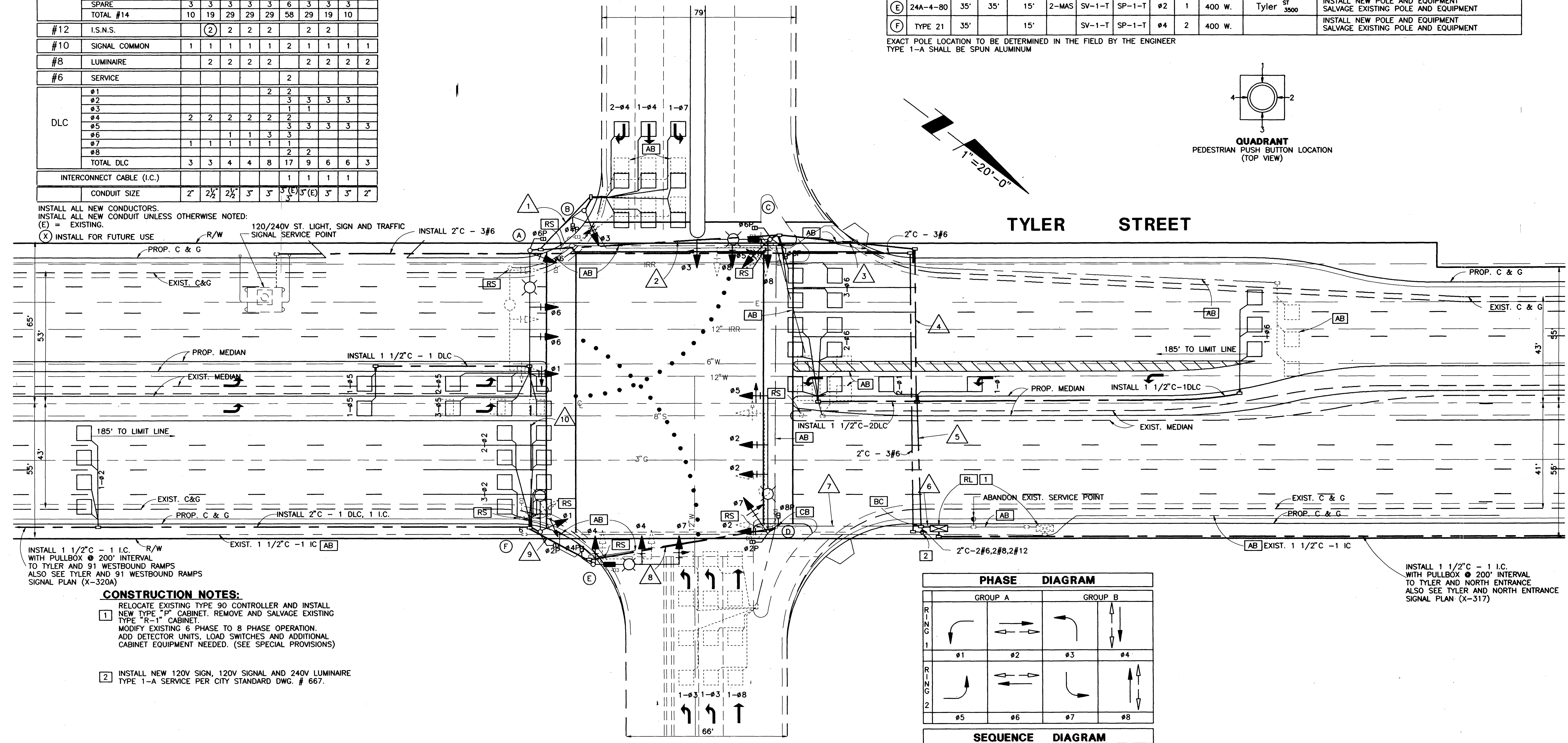
EXACT POLE LOCATION TO BE DETERMINED IN THE FIELD BY THE ENGINEER
 TYPE 1-A SHALL BE SPUN ALUMINUM



TARGET/MERVYN'S ENTRANCE

TYLER STREET

TYLER MALL ENTRANCE



- CONSTRUCTION NOTES:**
- RELOCATE EXISTING TYPE 90 CONTROLLER AND INSTALL NEW TYPE "P" CABINET. REMOVE AND SALVAGE EXISTING TYPE "R-1" CABINET. MODIFY EXISTING 6 PHASE TO 8 PHASE OPERATION. ADD DETECTOR UNITS, LOAD SWITCHES AND ADDITIONAL CABINET EQUIPMENT NEEDED. (SEE SPECIAL PROVISIONS)
 - INSTALL NEW 120V SIGN, 120V SIGNAL AND 240V LUMINAIRE TYPE 1-A SERVICE PER CITY STANDARD DWG. # 667.

INSTALL 1 1/2" C - 1 I.C. WITH PULLBOX @ 200' INTERVAL TO TYLER AND NORTH ENTRANCE ALSO SEE TYLER AND NORTH ENTRANCE SIGNAL PLAN (X-317)

Underground Service Alert
 Call: TOLL FREE
 1 - 800
 422 - 4133

PRIVATE ENGINEERING NOTE
 CONSTRUCTION CONTRACTOR AGREES THAT IN ACCORDANCE WITH GENERALLY ACCEPTED CONSTRUCTION PRACTICES, CONSTRUCTION CONTRACTOR WILL BE REQUIRED TO ASSUME SOLE AND COMPLETE RESPONSIBILITY FOR JOB SITE CONDITIONS DURING THE COURSE OF CONSTRUCTION OF THE PROJECT, INCLUDING SAFETY OF ALL PERSONS AND PROPERTY. THAT THIS REQUIREMENT SHALL BE MADE TO APPLY CONTINUOUSLY AND NOT BE LIMITED TO NORMAL WORKING HOURS, AND CONSTRUCTION CONTRACTOR FURTHER AGREES TO DEFEND INDEMNIFY AND HOLD DESIGN PROFESSIONAL HARMLESS FROM ANY AND ALL LIABILITY, REAL OR ALLEGED, IN CONNECTION WITH THE PERFORMANCE OF WORK ON THIS PROJECT, INCLUDING LIABILITY ARISING FROM THE SOLE NEGLIGENCE OF DESIGN PROFESSIONAL



PREPARED UNDER THE DIRECTION OF
James M. J...
 REGISTERED CIVIL ENGINEER NO. 12977
 EXPIRATION DATE: 3/31/93 DATE:
 RECOMMENDED BY:
James B. Dobbins
 James B. Dobbins DATE: 12-19-90

J.F. Davidson Associates, Inc.
 ENGINEERING ARCHITECTURE SURVEYING
 PLANNING LANDSCAPE ARCHITECTURE
 MUNICIPAL ENGINEERING DIVISION
 3426 TENTH STREET
 RIVERSIDE, CA 92502
 (714) 683-0209 FAX (714) 686-5807

SCALE: 1"=20'-0" BENCH MARK:
 DATE: DECEMBER, 90

MARK	REVISIONS	APPR.	DATE

DESIGNED BY: K.T.O. DRAWN BY: K.T.O./RDW CHECKED BY: *[Signature]*

CITY OF RIVERSIDE, CALIFORNIA
DEPARTMENT OF PUBLIC WORKS

APPROVED BY: *[Signature]* BY: DATE: 12/20/90
 PRINCIPAL ENGINEER
 INSPECTION
 TRAFFIC DIVISION
 CHIEF P.W. ENGINEER
 PUBLIC UTILITIES

TYLER MALL EXPANSION
 C.F.D. # 90-2 IMPROVEMENTS
 TRAFFIC SIGNAL MODIFICATION PLAN
TYLER STREET
 AND
SOUTH ENTRANCE

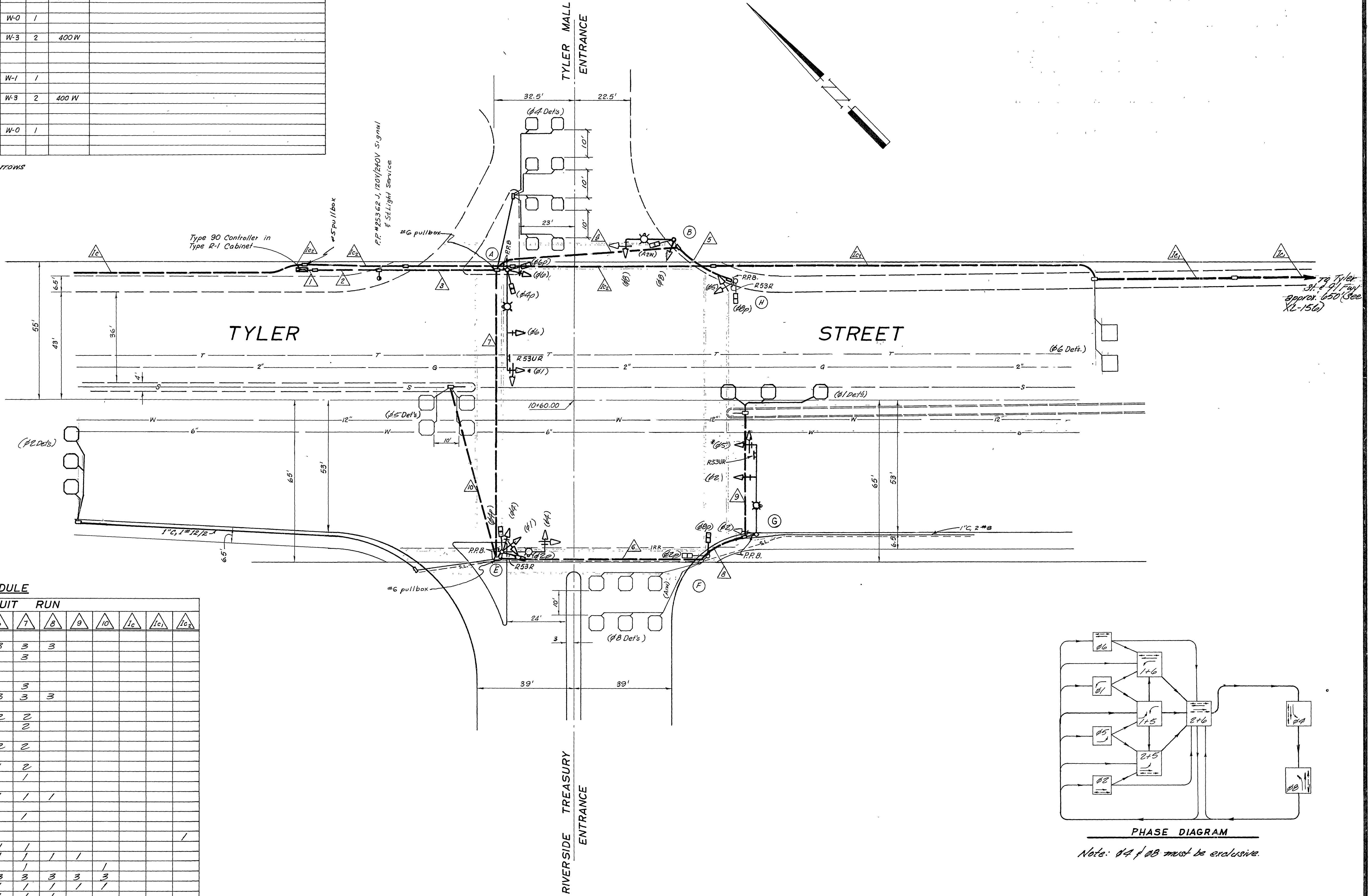
HORIZ. SCALE: 1" VERT. SCALE: 1"

PROJECT NO. X-319
 SHEET 1 OF 1
 FILE NO. 8911175

EQUIPMENT SCHEDULE

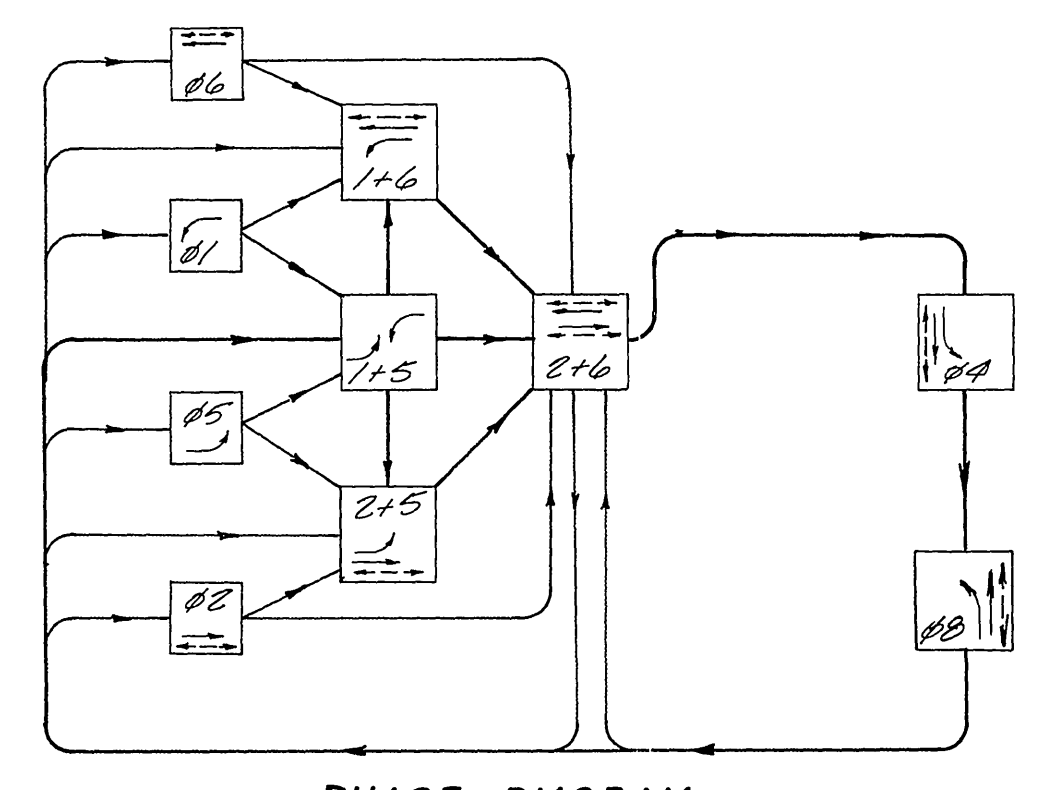
Location	Standard	Vehicle Equipment			Pedestrian Equipment			Luminaire	Remarks
		Heads	Mountings	Back Plate	Locs.	Heads	Mtgs.		
A	Type XXVI 40' Signal M.A.	1W3C	B-1	1		2W2C	W-3	2	400 W
		1W3C (12")	M-2	1					
		1W3C (12") *	M-2	1					
B	7C-7010	1W3C	B-1	1		1W2C	W-0	1	400 W
		1W4C (12")	M-2	1					
C	68J10G15	2W3C	B-2	1					400 W
		1W3C (12")	M-2	1					
D	10' Type I	1W3C (12")	A-1	1		1W2C	W-0	1	
E	68J10G15	1W3C	B-2	1		2W2C	W-3	2	400 W
		1W3C (12") (A)							
		1W4C (12")	M-2	1					
F	7' Type I					1W2C	W-1	1	
G	Type XXVI 40' Sig. M.A.	1W3C	B-1	1		2W2C	W-3	2	400 W
		1W3C (12")	M-2	1					
		1W3C (12") *	M-2	1					
H	10' Type I	1W3C (12") (A)	A-2	1		1W2C	W-0	1	

* Indicates Programmed Visibility signal with all Arrows



CONDUCTOR SCHEDULE

Control Function	Conductors		CONDUIT RUN											
	Size	Insulation	1	2	3	4	5	6	7	8	9	10	11	12
Vehicle Heads	#14	T.W.												
Ø 2			3	3	3			3	3	3				
Ø 4			3	3	3				3					
Ø 6			3	3	3									
Ø 8			3	3	3	3								
Ø 1			6	6	6				3					
Ø 5			6	6	6	3			3	3	3			
Pedestrian Heads														
Ø 2			2	2	2			2	2					
Ø 4			2	2	2				2					
Ø 6			2	2	2	2								
Ø 8			4	4	4	2	2	2						
Red Push Button														
Ø 2			2	2	2			1	2					
Ø 4			2	2	2				1					
Ø 6			2	2	2	1								
Ø 8			2	2	2	1	1	1	1	1				
Ø 1			1	1	1			1	1	1	1			
Ø 5			1	1	1				1	1	1	1		
Spare	#14	T.W.	3	3	3	3	3	3	3	3	3	3		
12V Common	#12		1	1	1	1	1	1	1	1	1	1		
120V Common	#10		1	1	1	1	1	1	1	1	1	1		
Signal Service	#8	T.H.W.	2	2										
Luminaire	#8	T.H.W.			2	2		2	2					
Interconnect	#14	P.E.											1	1
Totals	#12	T.W.	1	1	1	1	1	1	1	1	1	1		
	#10	T.W.	1	1	1	1	1	1	1	1	1	1		
	#8	T.H.W.	2	2	2	2		2	2					
	#14	USE or UF	7	7	7			3	3	1	1	1	1	1
	#12	P.E.											1	1
Conduit Size			3"	3"	3"	2"	1 1/2"	2 1/4"	2 1/4"	2"	1 1/2"	1 1/2"	2"	2"



PHASE DIAGRAM
Note: Ø 4 & Ø 8 must be exclusive.

ANACAL ENGINEERING CO. P.O. BOX 3668 (222 E. LINCOLN) ANAHEIM, CALIFORNIA 92803 TEL (714) 774-1763 PREPARED UNDER THE SUPERVISION OF: <i>Carl Czaplinski</i> CARL CZAPLINSKI R.C.E. 8427	DESIGNED BY DATE 11-5-71	DRAWN BY CHECKED BY DATE 12-14-71	CITY OF RIVERSIDE, CALIFORNIA DEPARTMENT OF PUBLIC WORKS APPROVED BY: [Signature] OFFICE ENGINEER PARK DEPARTMENT TRAFFIC DIVISION ASSISTANT CITY ENGINEER	TRAFFIC SIGNALS TYLER STREET 1060' NLY OF INDIANA AVENUE SCALE: 1" = 20' DATE 12-14-71	PROJECT NO. X-319 SHEET ___ OF ___ FILE NO.
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