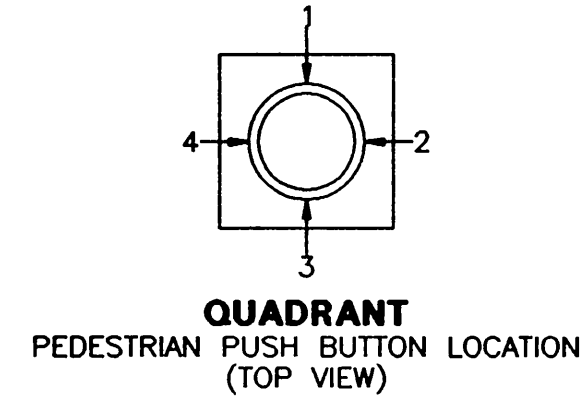


CONDUCTOR SCHEDULE										
AWG	CONDUCTOR	CONDUIT RUN								
		1	2	3	4	5	6	7	8	
#14	Ø1				3	3	6			
	Ø2						3	3	3	3
	Ø4							3	3	3
	Ø5	3	3		3	3	6	3	3	3
	Ø6				3	3	3			
	Ø8				3	3	3			
	Ø2PED				3	3	6	3	3	3
	Ø4PED	2	2		2	2	2	2	2	2
	Ø8PED				2	2	4	2	2	2
	Ø2PPB				2	2	2			1
	Ø6PPB	1	1		2	2	2			
	Ø6 BIKE PB	1	1		1	1	1			
	Ø8PPB	1	1		1	1	2	1	1	1
	PPB COMMON	1	1		1	1	2	1	1	1
SPARE	3	3		3	3	6	3	3	3	
TOTAL #14	11	16		24	24	51	23	22	13	
#12	I.S.N.S		2	2	2		2	②	②	
#10	SIGNAL COMMON		1	1	1	2	1	1	1	
#8	LUMINAIRE		2	2	2		2	2	2	
#6	SERVICE						2			
DLC	Ø1	1	1		1	1	1			
	Ø2					3				
	Ø2 BIKE					1				
	Ø4			1	1	1	1			
	Ø5					1	1			
	Ø6	3	3		3	3	3			
Ø8						2	2	2		
TOTAL DLC	4	4		1	5	6	12	2	2	
INTERCONNECT CABLE (I.C.)							2	1	1	
CONDUIT SIZE		2"	3"	2"	3"	3"	2-3"	3"	2"	
		(N)	(N)	(N)	(N)	(N)	(N)	(N)	(N)	

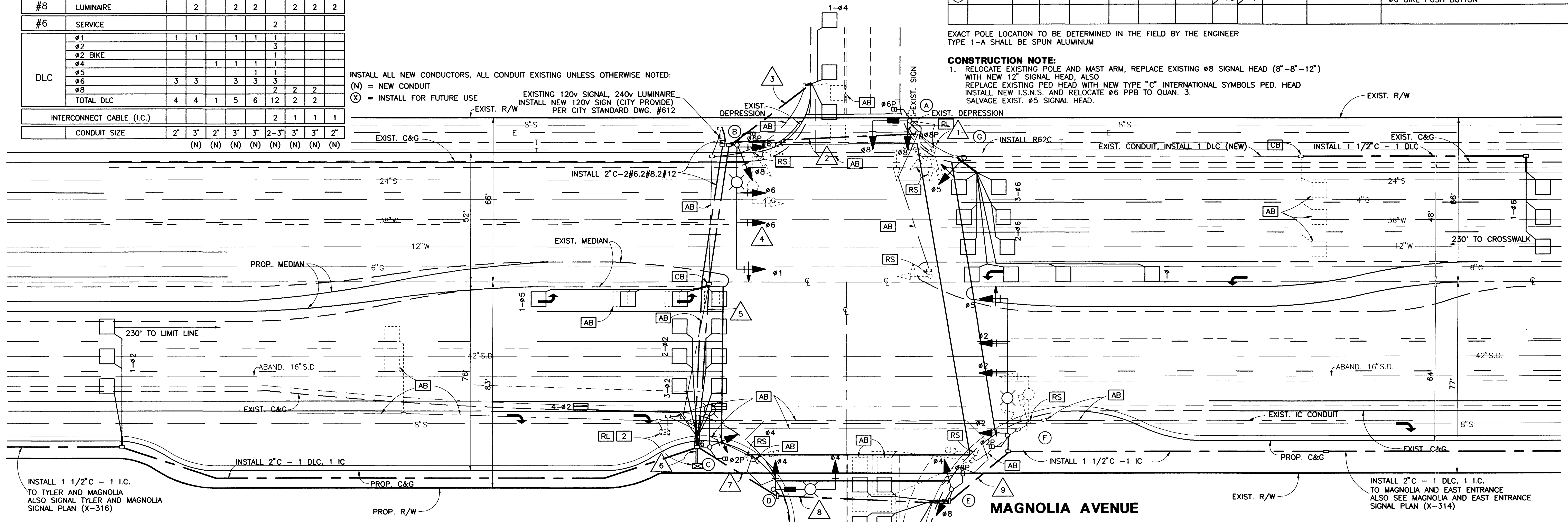
POLE SCHEDULE												
NO.	TYPE	HEIGHT	MAST ARM LENGTH		SIGNAL MOUNTING			PPB	H.P.S. LUMINAIRE	I.S.N.S. LEGEND	REMARKS	
			SIGNAL	LUMINAIRE	MA	POLE	PED					
(A)	16-2-80	18'	15'		MAS	SV-1-T	SP-2-T	Ø6	3	Magnolia AVE 10200	SEE CONSTRUCTION NOTE 1	
(B)	29A-5-80	35'	50'	15'	3-MAS	SV-2-TB	SP-1-T	Ø6	2		INSTALL NEW POLE AND EQUIPMENT SAVAGE EXISTING POLE AND EQUIPMENT	
(C)	TYPE 30	35'		15'		SV-1-T	SP-1-T				INSTALL NEW POLE AND EQUIPMENT SAVAGE EXISTING POLE AND EQUIPMENT	
(D)	19A-3-80	35'	25'	15'	MAS	SV-1-T	SP-1-T	Ø2	1	Magnolia AVE 10200	INSTALL NEW POLE AND EQUIPMENT SAVAGE EXISTING POLE AND EQUIPMENT	
(E)	1-A	10'				TV-2-T	SP-1-T	Ø2	1		INSTALL NEW POLE AND EQUIPMENT SAVAGE EXISTING POLE AND EQUIPMENT	
(F)	29A-5-80	35'	55'	15'	3-MAS	SV-1-T	SP-1-T	Ø8	4		INSTALL NEW POLE AND EQUIPMENT SAVAGE EXISTING POLE AND EQUIPMENT	
(G)	1-A	10'				TV-1-T	SP-1-T	Ø6 Ø8	3 4		INSTALL NEW POST AND EQUIPMENT Ø6 BIKE PUSH BUTTON	



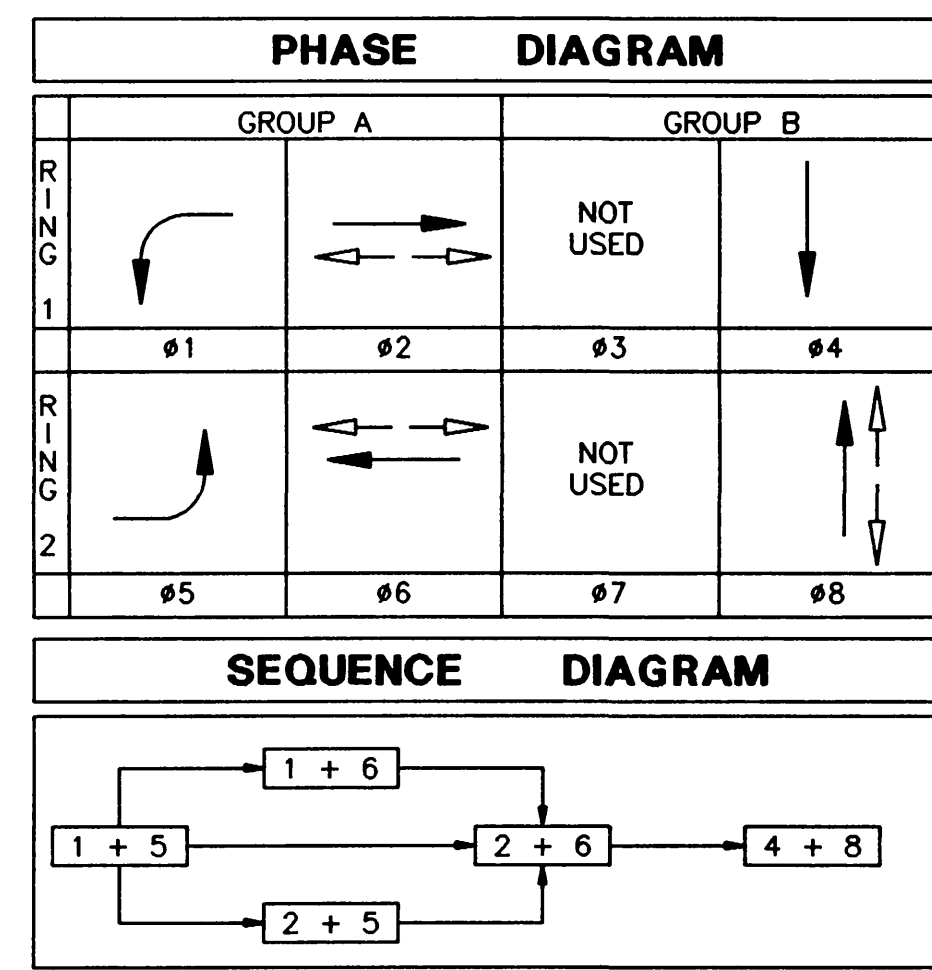
INSTALL ALL NEW CONDUCTORS, ALL CONDUIT EXISTING UNLESS OTHERWISE NOTED:
 (N) = NEW CONDUIT
 (X) = INSTALL FOR FUTURE USE

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

CONSTRUCTION NOTE:
 1. RELOCATE EXISTING POLE AND MAST ARM, REPLACE EXISTING Ø8 SIGNAL HEAD (8"-8"-12") WITH NEW 12" SIGNAL HEAD, ALSO REPLACE EXISTING PED HEAD WITH NEW TYPE "C" INTERNATIONAL SYMBOLS PED. HEAD
 2. INSTALL NEW I.S.N.S. AND RELOCATE Ø6 PPB TO QUAN. 3.
 3. SALVAGE EXIST. Ø5 SIGNAL HEAD.



CONSTRUCTION NOTES:
 2. RELOCATE EXISTING TYPE 90 CONTROLLER AND INSTALL NEW TYPE "P" CABINET, REMOVE AND SALVAGE EXISTING TYPE "R-1" CABINET
 ADD DETECTOR UNITS, LOAD SWITCHES AND ADDITIONAL CABINET EQUIPMENT NEEDED. (SEE SPECIAL PROVISIONS)



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, EXCEPTING LIABILITY ARISING FROM THE SOLE NEGLIGENCE OF DESIGN PROFESSIONAL.

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

J.F. Davidson Associates, Inc.
 ENGINEERING PLANNING SURVEYING
 ARCHITECTURE 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

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

CITY OF RIVERSIDE, CALIFORNIA
DEPARTMENT OF PUBLIC WORKS

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

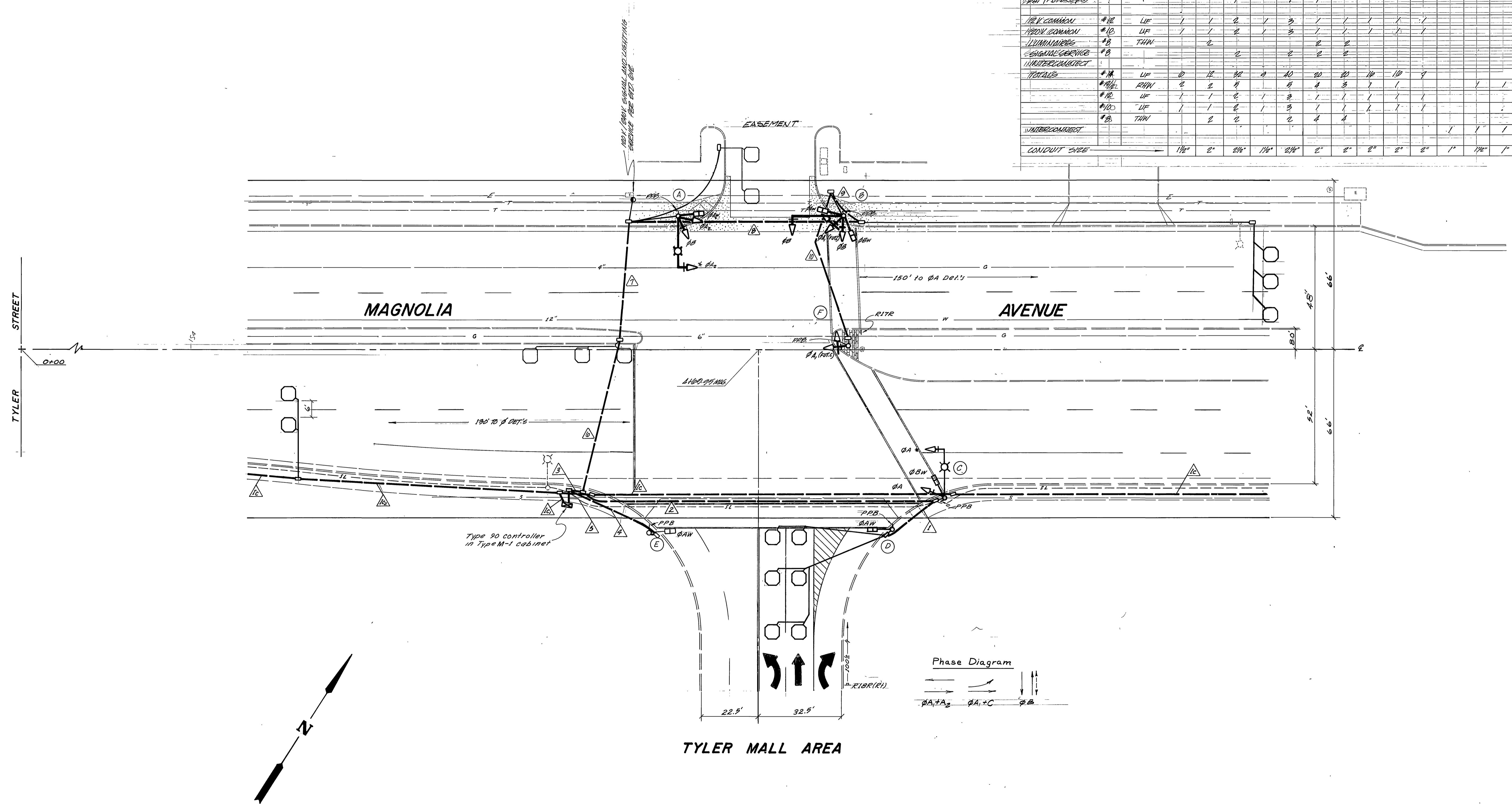
TYLER MALL EXPANSION
 C.F.D. # 90-2 IMPROVEMENTS
 TRAFFIC SIGNAL MODIFICATION PLAN
MAGNOLIA AVENUE
AND
WEST ENTRANCE

HORIZ SCALE: 1" VERT. SCALE: 1"

PROJECT NO. X-315
 SHEET 1 OF 1
 FILE NO: 8911175

EQUIPMENT SCHEDULE										
Location	Standard	Vehicle Equipment				Ped. Equipment			Luminaire	Remarks
		Heads	Mfg.'s	Qty	Notes	Heads	Mfg.'s	Qty		
A	Type XVII 20' S.A.	1W3C*	MAG	1				400W		
B	Type XXI 15' M.A.	1W3C	MAG	1				400W		
C	Type XXII 15' M.A.	1W3C*	MAG	2				400W		
D	Type I	1W3C	MAG	1						
E	Type I	1W3C	MAG	1						
F	PEP PPB									

Control Function	Conductors	Size	Conduit Run														
			Inulation	1	2	3	4	5	6	7	8	9	10	11	12		
PHASE HEADERS	#14	LIF		5	5		5										
PHASE	#14	LIF		5	5		5										
PHASE (FUTURE)	#14	LIF															
NEUTRAL HEADERS	#14	LIF		2	2		2										
NEUTRAL	#14	LIF		2	2		2										
NEUTRAL (FUTURE)	#14	LIF															
GROUNDING BUS	#14	LIF		1	1		1										
GROUNDING	#14	LIF		1	1		1										
GROUNDING (FUTURE)	#14	LIF															
SPARES	#14	LIF		2	2		2										
PHASE DETACHABLE	#14	LIF		1	1		1										
PHASE	#14	LIF		1	1		1										
PHASE (FUTURE)	#14	LIF															
TRIP COMMON	#12	LIF		1	1		1										
TRIP COMMON	#12	LIF		1	1		1										
LUMINAIRES	#8	THW		2	2		2										
SIGNAL SERVICE	#8	THW		2	2		2										
INTERCONNECT	#8	THW		2	2		2										
TOTALS	#14	LIF		10	10		10										
	#14	LIF		2	2		2										
	#12	LIF		1	1		1										
	#10	LIF		1	1		1										
	#8	THW		2	2		2										
CONDUIT SIZE				1 1/2"	2"	2 1/2"	1 1/4"	2 1/4"	2"	2"	2"	2"	2"	2"	1"	1 1/4"	1"



Revised diamond loop 1/16/80 AS-BUILT PER BLDG. PERMIT, PLAN ML 1/14/80 R-19-40 RELOCATED PULLBOX ON WLY. MEDIAN PER MAGNOLIA LEVELING AS-BUILT PER CONTRACT 78-70-11 AS-BUILT PER CONTRACT 78-70-8 REVISIONS DESIGNED BY: _____ DRAWN BY: JWH CHECKED BY: _____	APPROVED BY: _____ BY: _____ DATE: _____ APPROVED BY: _____ BY: _____ DATE: _____ APPROVED BY: _____ BY: _____ DATE: _____	CITY OF RIVERSIDE, CALIFORNIA PUBLIC WORKS DEPARTMENT TRAFFIC SIGNALS MAGNOLIA AVENUE 470'± E'LY OF TYLER ST. (TYLER MALL WEST ACCESS) SCALE: 1" = 20' ACCOUNT No. 30-576-301-30 DRAWING NUMBER X-315 SHEET _____ OF _____
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