

EQUIPMENT SCHEDULE

No.	STANDARD				LUMINAIRE LED	IISNS LEGEND	SIGNAL MOUNTING			PPB PHASE	REMARKS	
	TYPE	HGT.	SIG. M.A.	LUM. M.A.			VEHICLE	PED	AUDIBLE			
A	19-2-80(RC)	30'	30'(RC)	12'(RC)	250W(RC)	SHOPPING CTR(RL)	1-MAS(RS)	SV-1-T(RS)	SP-1-T(RL)	((P))	-	(RL) EXISTING EVP TO NEW POLE; (RC) FOUNDATION
B	29-5-100(N)	30'	55'(N)	15'(N)	250W(N)	-	TV-2-T(RS)	SV-1-T(N)	-	-	ø2	-
C	1-A	10'	-	-	-	-	TV-1-T(N)	-	-	-	-	-
D	17-2-80	30'	20'	12'	250W	MAGNOLIA(*) Ave 11000	1-MAS(RS)	SV-1-T(RS)	SP-1-T	((C))	ø2	-
E	19-2-80(RC)	30'	25'(RC)	12'(RC)	250W(RC)	SKOFSTAD(RL) St 3800	1-MAS(RS)	SV-1-T(RS)	SP-1-T(RL)	((P))	ø4(RS)	(RL) EXISTING EVP TO NEW POLE; (RC) FOUNDATION; F=25'
F	61-5-100(N)	30'	65'(N)	15'(N)	250W(N)	-	3-MAS(N)	SV-1-T(N)	-	-	ø4(N)	-
G	1-A	10'	-	-	-	-	TV-2-T(RS)	SV-1-T(N)	SP-1-T	((C))	ø6	-
H	19-2-80	30'	25'	12'	250W	MAGNOLIA(*) Ave 10000	1-MAS(RS)	SV-1-T(RS)	-	-	ø6	-
I	TYPE 15TS	30'	-	12'	250W	-	SV-2-T(RS)	SV-2-T(N)	SP-1-T	((P))	-	-

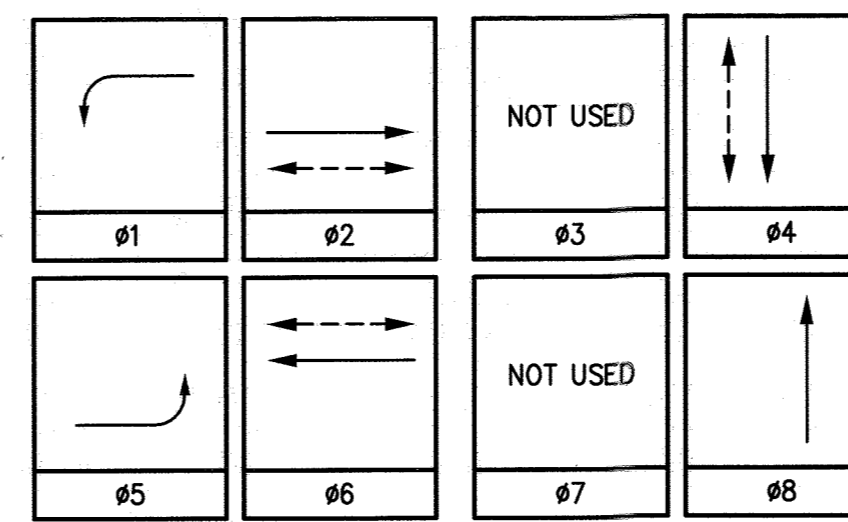
PEDESTRIAN AUDIBLES: C=CUCKOO (NORTH/SOUTH), P=PEEP PEEP (EAST/WEST)
 ALL EQUIPMENT IS EXISTING UNLESS SHOWN (N) = NEW, (RS) = REMOVE AND SALVAGE, (RL) = RELOCATE, (RC) = SEE CONSTRUCTION NOTE BELOW.
 (*) = MAST ARM MOUNTED NON-ILLUMINATED REFLECTORIZED STREET NAME SIGNS
 1. ALL VEHICLE HEADS SHALL HAVE 12" LENSES.
 2. ALL EQUIPMENT THAT IS REMOVED SHALL BE SALVAGED TO THE CITY TRAFFIC SIGNAL MAINTENANCE DEPARTMENT.
 3. CONTRACTOR SHALL POthOLE MAST ARM POLE FOUNDATIONS PRIOR TO ORDERING POLES AND MAST ARMS.
 4. IF NECESSARY, ADDITIONAL DETECTOR CARDS CAN BE SUPPLIED BY THE CITY TRAFFIC SIGNAL MAINTENANCE DEPARTMENT.
 5. LUMINAIRES TO BE REMOVED AND REPLACED SHALL BE A CITY APPROVED 400W EQUIVALENT LED ASSEMBLY AND MAST ARM.

CONDUCTOR TABLE

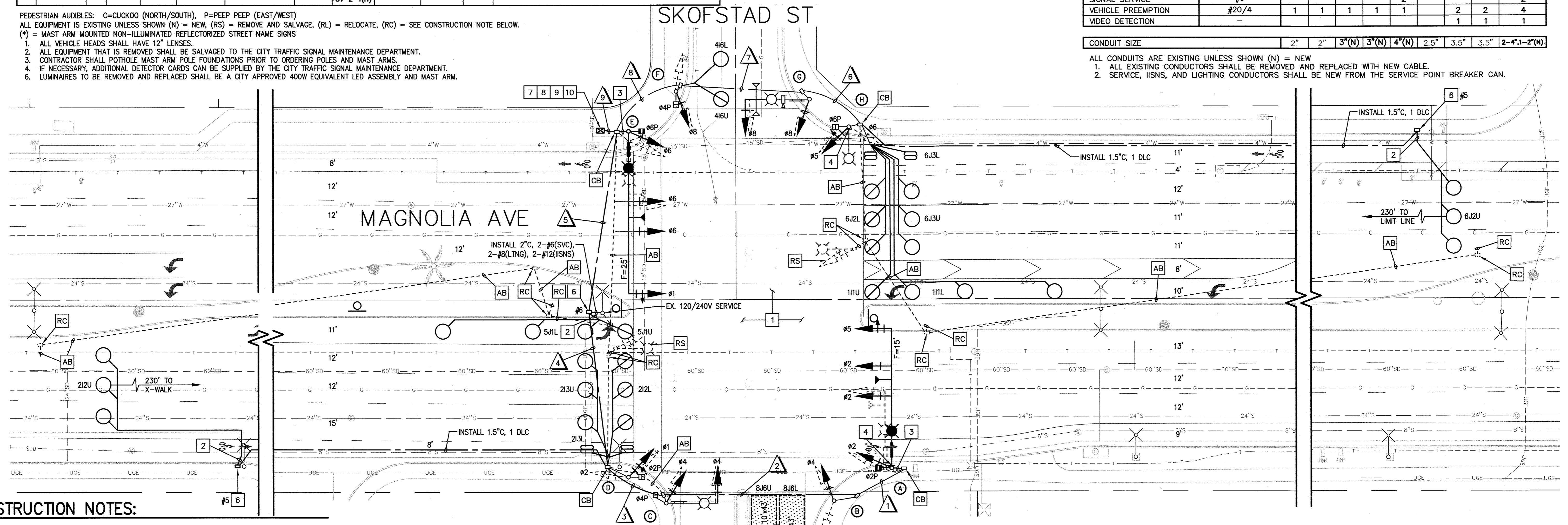
CONTROL FUNCTION	CONDUCTORS	CONDUCTOR RUNS								
		1	2	3	4	5	6	7	8	9
VEHICLE & PEDESTRIAN HEADS, PEDESTRIAN PUSH BUTTONS, SPARES & COMMONS	12 CSC	1	2	3	4	4	1	2	3	8
	3 CSC	-	1	2	3	3	-	1	2	6
DETECTOR CABLE	TYPE B									
PHASE 1							2	2	2	2
PHASE 2										
PHASE 3					4	4				4
PHASE 4									2	2
PHASE 5						2				2
PHASE 6							4	4	4	4
PHASE 7										
PHASE 8										
I.I.S.N.S.	#12	2	2	2	2	2	2	2	2	
LUMINAIRES	#8	2	2	2	2	2	2	2	2	
SIGNAL SERVICE	#6									2
VEHICLE PREEMPTION	#20/4	1	1	1	1	1		2	2	4
VIDEO DETECTION	-							1	1	1
CONDUIT SIZE		2"	2"	3"(N)	3"(N)	4"(N)	2.5"	3.5"	3.5"	2-4", 1-2"(N)

ALL CONDUITS ARE EXISTING UNLESS SHOWN (N) = NEW
 1. ALL EXISTING CONDUITS SHALL BE REMOVED AND REPLACED WITH NEW CABLE.
 2. SERVICE, IISNS, AND LIGHTING CONDUITS SHALL BE NEW FROM THE SERVICE POINT BREAKER CAN.

PHASE DIAGRAM

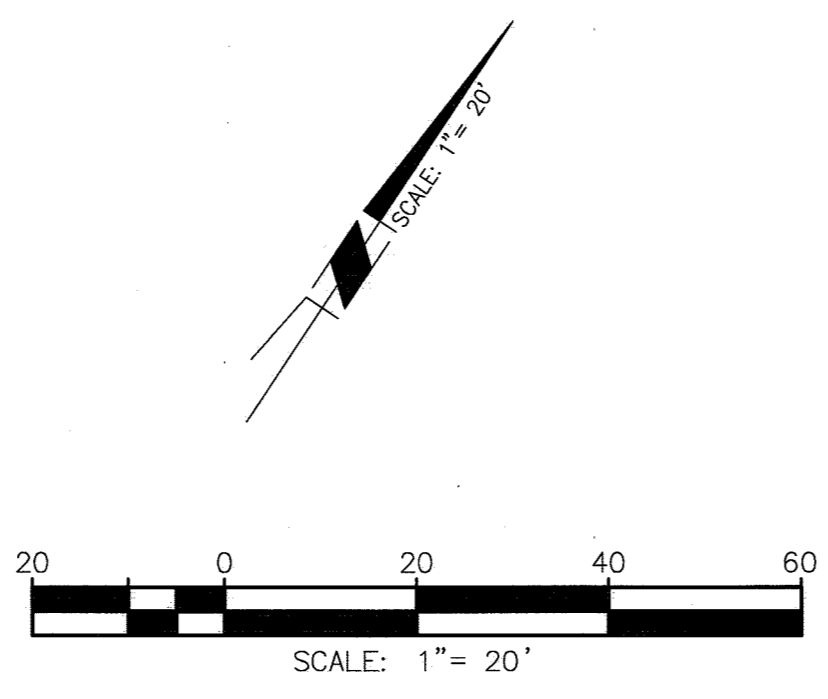


**FLASHING OPERATION SHALL BE ALL RED.



CONSTRUCTION NOTES:

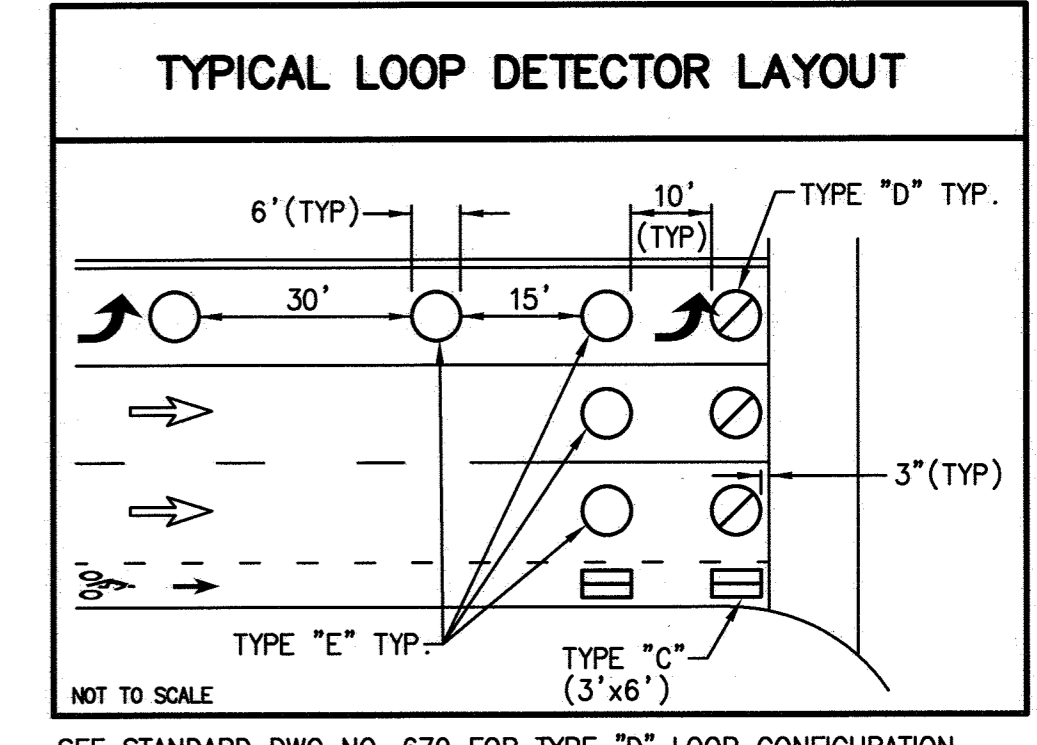
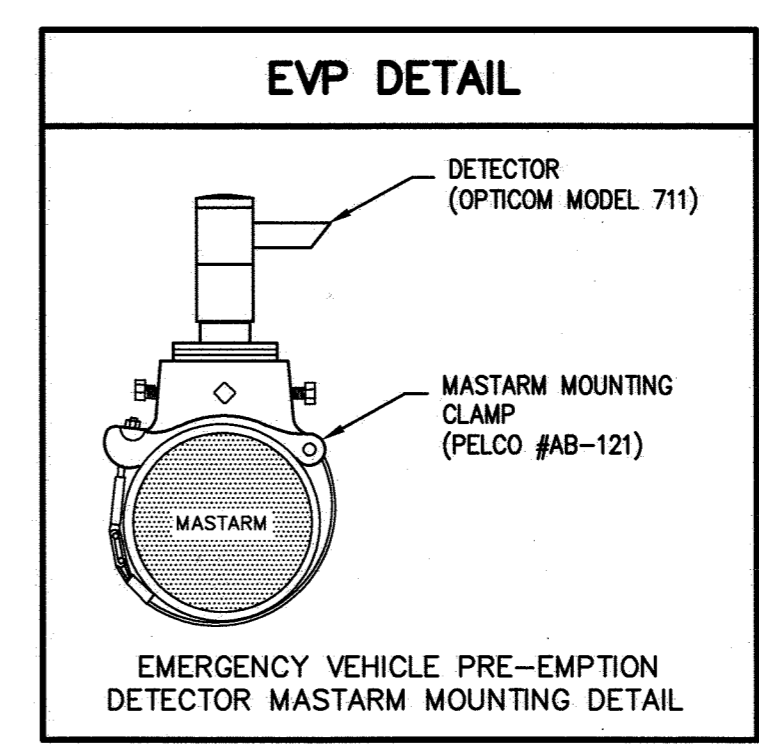
- ALL LOOP DETECTORS SHALL BE NEW. INSTALL PER TYPICAL LOOP DETECTOR LAYOUT DETAIL.
- INSTALL NEW 1.5" CONDUIT.
- INSTALL NEW 2" CONDUIT.
- INSTALL NEW R9-3a AND R9-3b ON SIGNAL POLE SHAFT.
- VIDEO DETECTION ZONE SHALL BE PROGRAMMED AND ADJUSTED INTO THE APPROPRIATE CHANNEL.
- INSTALL NEW NO. 6 PULL BOX, UNLESS OTHERWISE SPECIFIED, WITH FIBERLITE LID, LABELED "TRAFFIC SIGNAL".
- REMOVE AND SALVAGE EXISTING 170 ATC CONTROLLER ASSEMBLY. FURNISH AND INSTALL A 2070 CONTROLLER ASSEMBLY IN EXISTING 332 CABINET.
- REMOVE AND SALVAGE EXISTING 210 CONFLICT MONITOR. FURNISH AND INSTALL A 210 ECL CONFLICT MONITOR.
- REMOVE AND DISPOSE OF EXISTING DIMENSIONS BBS BATTERIES. FURNISH AND INSTALL 4 NEW ALPHA TECHNOLOGIES 75 AMP BBS BATTERIES COMPATIBLE WITH EXISTING SYSTEM.
- TEMPORARILY REMOVE EXISTING CONTROLLER CABINET OFF TO THE SIDE. REMOVE AND REPLACE THE EXISTING CONTROLLER FOUNDATION AND INSTALL (2) 4" AND (1) 2" PVC CONDUIT TO ADJACENT #6E PULL BOX. RE-INSTALL CABINET AND INSTALL NEW CABLE. RE-SPLICE EXISTING FIBER OPTIC CABLE.
- ABANDON EXISTING IN PLACE. EXISTING CONDUCTORS TO BE REMOVED.
- REMOVE EXISTING PULL BOX AND INSTALL NEW NO. 6 PULL BOX, UNLESS OTHERWISE SPECIFIED, WITH FIBERLITE LID, LABELED "TRAFFIC SIGNAL" IN EXISTING CONDUIT RUN.
- INSTALL NEW CONDUIT IN EXISTING TRAFFIC SIGNAL PULLBOX.
- EXISTING EQUIPMENT OR FOUNDATION TO BE COMPLETELY REMOVED AND DISPOSED OF BY THE CONTRACTOR.
- REMOVE AND SALVAGE EXISTING EQUIPMENT TO THE CITY TRAFFIC SIGNAL MAINTENANCE SHOP. SIGNAL POLE FOUNDATIONS MUST BE COMPLETELY REMOVED AND DISPOSED OF BY THE CONTRACTOR.



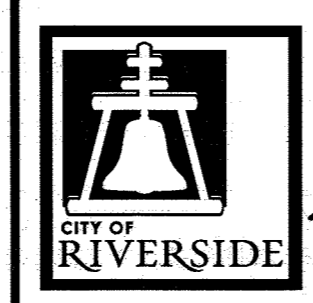
SHOPPING CENTER

PP# 80-J36027-91

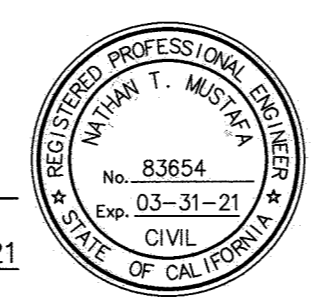
RISER DETAIL
 EXIST 120V SIGNAL, 120V SIGN AND 240V STREET LIGHT SERVICE PER STANDARD DRAWING NO. 612.



Under Ground Service Alert of Southern California
 Call: TOLL FREE 1-800 227-2600
 TWO WORKING DAYS BEFORE YOU DIG



ENGINEER IN RESPONSIBLE CHARGE
 NATHAN T. MUSTAFA
 R.C.E. No. 83654 EXPIRES: 03-31-21
 DATE: 8-19-19



MARK	REVISIONS	APPR.	DATE
DC	DC	NM	

CITY OF RIVERSIDE, CALIFORNIA
 DEPARTMENT OF PUBLIC WORKS

APPROVED BY	BY	DATE	APPROVED BY
ENGINEERING MANAGER	EM	8.19.19	CITY ENGINEER
PRINCIPAL ENGINEER			
TRAFFIC DIVISION			
CONSTRUCTION ADMIN.	DC	8.19.19	DATE: Aug. 21, 2019

TRAFFIC SIGNAL PLAN
 MAGNOLIA AVENUE AND SKOFSTAD STREET

SCALE: 1" = 20'

X-342A
 SHEET 1 OF 1
 FILE NAME: X-342A.DWG