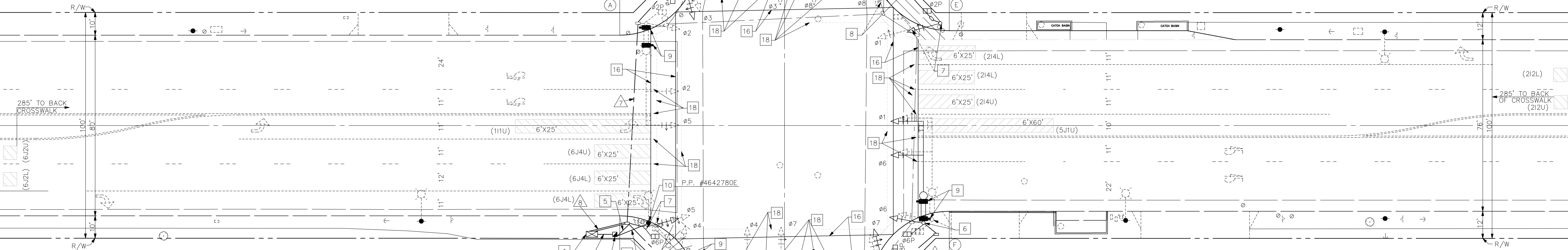
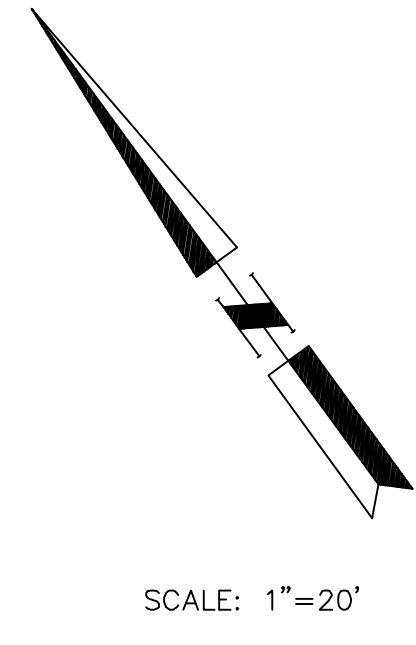
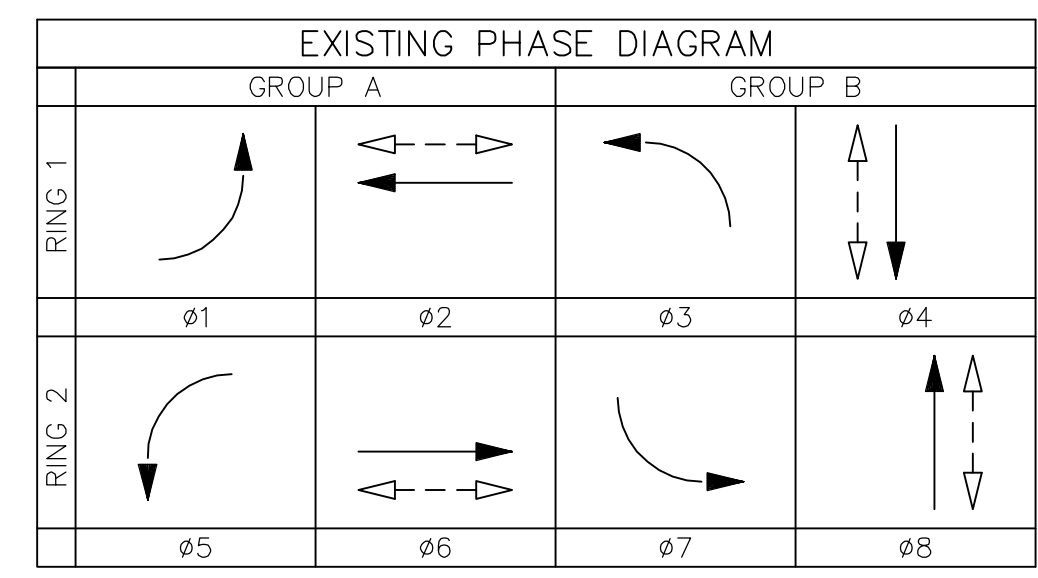


AWG SIZE OR CABLE TYPE	PHASE	POLE OR CIRCUIT	CONDUIT SIZE AND RUN								
			2 1/2"	3"	3"	3"	3"	3"	3"	2-3"	
NO. 14 CABLES CONDUCTORS 3 12	CONDUCTORS	POLE - A	1	1	1	1	1	1	1	1	
		B	1	1	1	1	1	1	1	1	
		C	1	1	1	1	1	1	1	1	
		D	1	1	1	1	1	1	1	1	
		E	1	1	1	1	1	1	1	1	
		F	1	1	1	1	1	1	1	1	
		G	1	1	1	1	1	1	1	1	
		H	1	1	1	1	1	1	1	1	
TOTAL CABLES-3 CONDUCT./12 CONDUCT.			1	2	3	3	1	2	3	4	8
#8 LIGHTING			2	2	2	2	2	2	2	-	
*VIDEO CABLE			1	1	2	-	1	1	2	4	
TOTAL CONDUCTORS/CABLES			2	1	2	2	2	1	2	2	4
INTERCONNECT CABLE			-	-	-	-	-	-	-	-	

* AS SPECIFIED BY THE VIDEO DETECTION VENDOR



GENERAL NOTES: TRAFFIC SIGNAL

- All work embodied in these plans shall conform with the Standard Specifications for Public Works Construction (Green Book), Latest Edition, and all supplements, the California Department of Transportation Standard Plans and Specifications, Dated May 2006, and the standard drawings on file in the office of the City Engineer.
- All equipment and materials shall be furnished and installed by the contractor.
- At the time of signal turn-on, all signal equipment shall operate according to the design specified on the plan, in the specifications and to the satisfaction of the City Engineer.
- Contractor shall pothole and locate all substructures and underground utilities prior to construction. Dig foundations until clear of obstructions. Coordinate pole installations with overhead and underground utility owners. Contact underground service alert at (800)422-4133 at least 48 hours prior to construction.
- Obtain approval from the City Engineer or his field representative for exact equipment location prior to final placement.
- Pull boxes shall be No. 5 and reinforced concrete, unless shown otherwise. Pull box covers shall be marked "Traffic Signal". All existing pull boxes not reused shall be removed by the contractor. Contractor shall replace all damaged pull boxes.
- All wiring shall be marked (tagged) within the controller cabinet and in the pull boxes for phase identification.
- All vehicle signal heads shall have 12-inch sections, visors and backplates. All vehicle and pedestrian indications shall be provided with LED units.
- All pedestrian heads shall be modular Type III with international symbol.
- Pedestrian push buttons shall be Type "B" with R10-4b signs and shall meet A.D.A. requirements.
- Electrical service equipment installation and service conduit run details shall conform to Southern California Edison (SCE) requirements. Contractor shall contact the SCE service planner at phone number _____, 48 hours in advance for coordination and pre-construction conference regarding the size and depth of the service conduit, location of the pedestal and other requirements. After excavation, the trench shall not be refilled by the contractor prior to SCE inspection and approval. All fees for SCE services and permits shall be paid by the contractor.
- Video zone shall be centered in the lane unless otherwise noted.
- All reflectorized street name signs shall conform to State of California Department of Transportation standards. Contractor shall submit a full size sample to the City Engineer for approval prior to ordering signs.
- All signal standards, mast arms, and luminaires shall conform to State of California Department of Transportation standards.
- All signal standards, mast arms, posts, and other ferrous materials shall be galvanized.
- All signal equipment shall be wired in accordance with the proposed signal phase diagram.
- Indicates Video detection zone.
- Front detection zone shall be placed 1' behind the back of the crosswalk/limit line.
- Contractor shall relocate, repair and/or protect existing irrigation system and landscaping within construction zone as directed by the City Engineer.
- Existing survey monument destroyed during the course of construction shall be replaced by the contractor.
- Contractor shall provide temporary support during installation of concrete bases on any existing nearby poles or standards.
- Traffic control shall be in accordance with the Sept. 2006 California Manual on Uniform Traffic Control Devices (MUTCD).

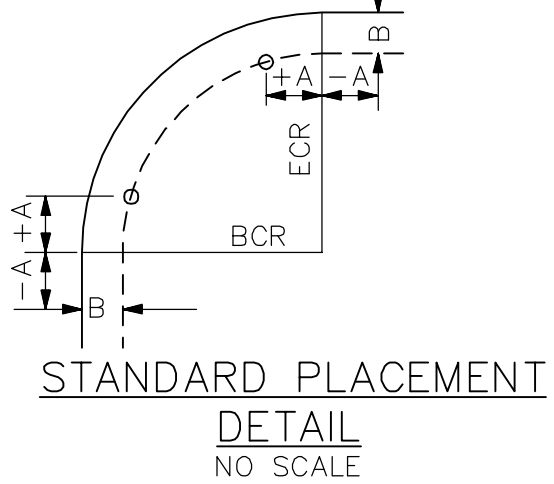
CONSTRUCTION NOTES: TRAFFIC SIGNAL

- RELOCATE EXISTING MODEL 170E CONTROLLER COMPLETE WITH 332 CABINET. REMOVE EXISTING FOUNDATION. INSTALL NEW FOUNDATION FOR 332 CABINET
- FURNISH AND INSTALL TYPE III-CF 120V/240V DUAL METER SERVICE EQUIPMENT ENCLOSURE PER CALTRANS STANDARD PLANS ES-2F & ES-2C, THE 120V METER TO SERVICE SIGNAL AND THE 240V METER TO SERVICE HIGHWAY LIGHTING. THE PEU SHALL OPERATE HIGHWAY LIGHTING AND BE TYPE V. THE FOLLOWING BREAKERS SHALL BE INSTALLED:

SIGNAL	50AMP BREAKER
HIGHWAY LIGHTING	30AMP BREAKER
- INSTALL 3" CONDUIT & PULL ROPE TO SERVICE POINT PER SCE REQUIREMENTS AND AS DIRECTED BY THE ENGINEER. SCE PLANNER CONTACT KEVIN PURDY AT 909-286-5961.
- INSTALL 2" CONDUIT WITH 2#6 FOR SIGNAL SERVICE 2#8(G.F.C.I.).
- INSTALL 2" CONDUIT WITH 2#8 FOR SAFETY LIGHTS.
- RELOCATE EXISTING STANDARD(S) COMPLETE WITH SIGNAL HEADS, PED HEADS, SIGNS, PEDESTRIAN PUSH BUTTON, LUMINAIRE AND OPTICOM. REMOVE EXISTING FOUNDATION. INSTALL NEW FOUNDATION.
- RELOCATE EXISTING TYPE 1-A STANDARD COMPLETE WITH SIGNAL HEAD, PED HEAD, AND PEDESTRIAN PUSH BUTTON. REMOVE EXISTING FOUNDATION. INSTALL NEW FOUNDATION FOR TYPE 1-A STANDARD.
- RELOCATE EXISTING PPB AND PPB POST COMPLETE. REMOVE FOUNDATION. INSTALL NEW FOUNDATION.
- INSTALL VANTAGE EDGE 2 VIDEO DETECTION SYSTEM AND CAMERA ASSEMBLY ON LUMINAIRE MAST ARM PER MANUFACTURER'S SPECIFICATIONS. THE CONTRACTOR SHALL MAKE THE NECESSARY IMPROVEMENTS IN THE CONTROLLER CABINET TO RUN THE VIDEO EQUIPMENT.
- REMOVE SERVICE METER BY OTHERS (SCE).
- INSTALL 4" WHITE LANE LINE PER CALTRANS STD. PLAN A20A, DETAIL 9.
- INSTALL 8" WHITE CHANNELIZING LANE LINE PER CALTRANS STD. PLAN A24E, DETAIL 38. (THERMOPLASTIC)
- INSTALL MEDIAN ISLAND STRIPING PER CALTRANS STD. PLAN A20B, DETAIL 29.
- INSTALL MEDIAN ISLAND STRIPING PER CALTRANS STD. PLAN A20B, DETAIL 32.
- INSTALL PAVEMENT MARKINGS PER CALTRANS STD. PLANS A24A-A24E AS SHOWN.
- INSTALL 12" WHITE CROSSWALK AS SHOWN PER CALTRANS STD. PLAN A24E. (THERMOPLASTIC)
- INSTALL 50' L.F. (TYP.) 4" WHITE SOLID LANE LINE.
- REMOVE CONFLICTING STRIPING BY WET SANDBLASTING.

POLE AND EQUIPMENT SCHEDULE														
No.	SIGNAL STANDARD DESCRIPTION	SIG. M.A.	LUM. M.A.	LUMINAIRE HPS	VEHICLE SIGNAL MOUNTING		PED SIGNAL MTG. *	PPB **		R.S.N.S.	PLACEMENT DIMENSIONS		REMARKS	
					MAST ARM	POLE *		QUAD	ARROW		"A"	"B"		
(A)	26-3-100	45'	15'	250W	2-MAS	SV-1-T	SP-1-T	4	E	LT	Garfield Ave	-11.5'	3'	F=15'
(B)	1A	-	-	-	-	TV-1-T	SP-1-T	2	S	RT	-	-13.5'	3'	-
(C)	26-3-100	45'	15'	250W	2-MAS	SV-1-T	SP-1-T	-	-	-	Slauson Ave	-9'	3'	F=15'
(D)	PPB	-	-	-	-	-	-	2	S	LT	-	-18'	3'	-
(E)	1A	-	-	-	-	TV-1-T	SP-1-T	8	W	RT	Garfield Ave	-4'	3'	-
(F)	26-3-100	45'	15'	250W	2-MAS	SV-1-T	SP-1-T	8	W	LT	Garfield Ave	-11.5'	3'	F=15'
(G)	1A	-	-	-	-	TV-1-T	SP-1-T	6	N	RT	-	-7.5'	3'	-
(H)	26-3-100	45'	15'	250W	2-MAS	SV-1-T	SP-1-T	6	N	LT	Slauson Ave	-15.5'	3'	F=15'
(I)	1A	-	-	-	-	TV-1-T	SP-1-T	4	E	RT	-	-11.5'	3'	-

ALL TRAFFIC EQUIPMENT IS EXISTING UNLESS OTHERWISE NOTED.
 * THE CONTRACTOR SHALL PROVIDE EXTENDED BRACKET ARMS WHERE REQUIRED BY FIELD CONDITIONS.
 ** INDICATES ADA 2" PEDESTRIAN PUSH BUTTON TO BE INSTALLED. (SEE SPECIAL PROVISIONS)



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 UNDERGROUND SERVICE ALERT OF SOUTHERN CALIFORNIA

TRANSTECH
 624 BREA CANYON RD.
 WALNUT, CA 91789
 (909) 595-8599



REV.	DATE	DESCRIPTION	BY	CHK.	APPR.
CITY OF COMMERCE TRAFFIC SIGNAL PLAN					
GARFIELD AVE AT SLAUSON AVE					
DESIGN DR					
DWN. OA					
CHK. YR					
SCALE					
DWG. NO.				SHT. OF	

39074/29074 SLAUSON AT GARFIELD TS.dwg 07.30.09