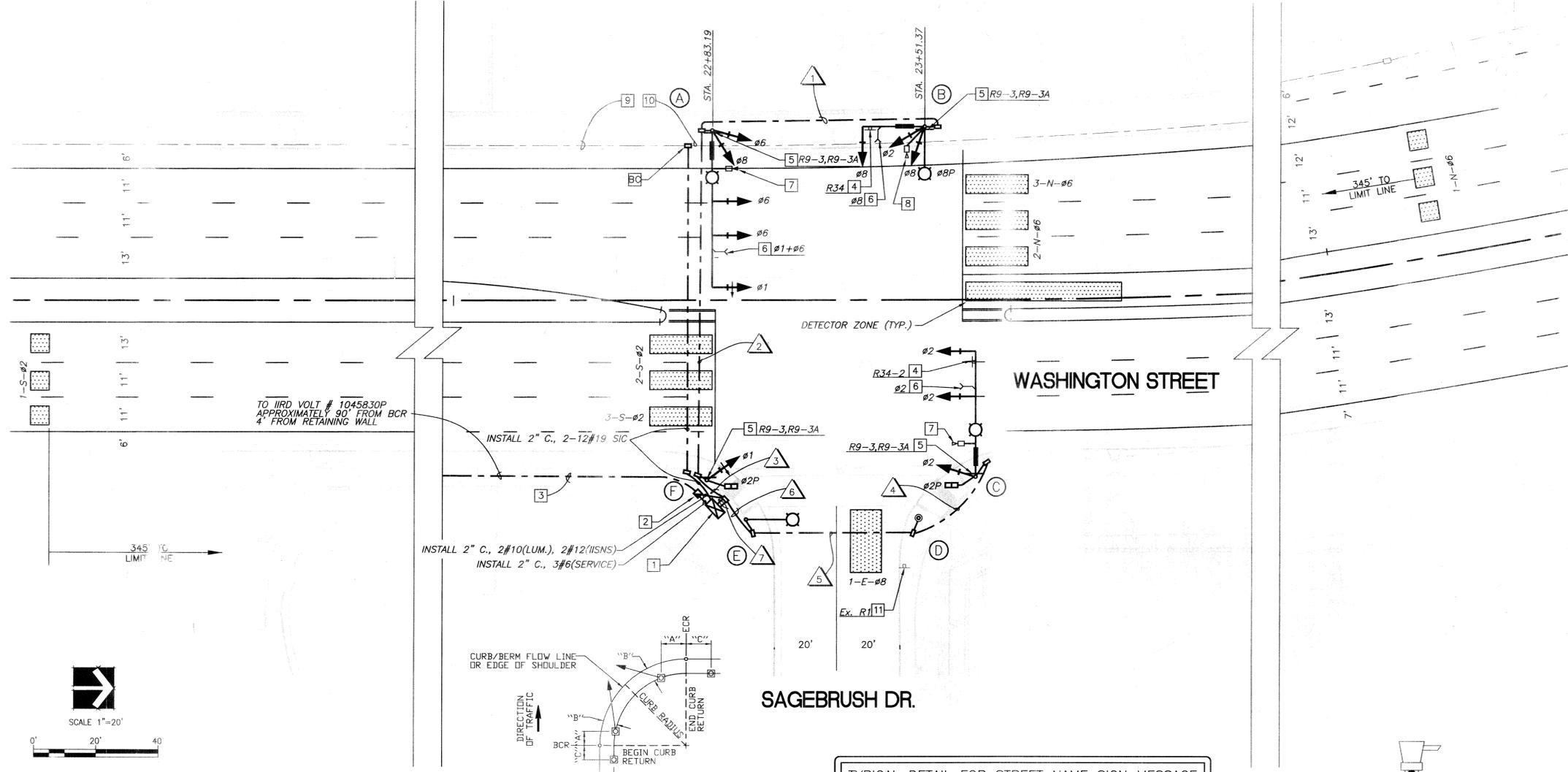


CONSTRUCTION NOTES

- FURNISH AND INSTALL A NEMA 3R TYPE "2" CABINET WITH APPURTENANCES. FURNISH AND INSTALL A TYPE "2" CONTROLLER (ECONOLITE ASC/25-2100, ASC/2), TELEMETRY INTERFACE PANEL, APPROVED MODEM, OPTICOM 4 CHANNEL OPTICAL EMERGENCY VEHICLE SENSOR, AND AUXILIARY CABLES AND EQUIPMENT NECESSARY TO PERFORM THE OPERATION SHOWN. FURNISH AND INSTALL VIDEO DETECTOR UNIT PER THE SPECIAL PROVISIONS. TOP OF CABINET FOUNDATION SHALL BE 18 INCHES ABOVE FINISHED GRADE.
- FURNISH AND INSTALL A TYPE III-BF SERVICE EQUIPMENT ENCLOSURE WITH BREAKERS AS FOLLOWS:
 METER No. 1-
 (1) 100 AMP MAIN
 (1) 50 AMP FOR SIGNALS
 (1) 15 AMP FOR ISNS
 (1) 30 AMP FOR SAFETY LIGHTING (UNMETERED)
- FURNISH AND INSTALL A 3" PVC CONDUIT AND PULL ROPE PER EMPIERAL IRRIGATION DISTRICT REQUIREMENTS AS SHOWN. CONTACT TRAVIS MATSON AT (760) 398-5820 TO COORDINATE VAULT ENTRY AND SERVICE ENERGIZATION AT LEAST TWO WEEKS PRIOR TO CONSTRUCTION.
- FURNISH AND INSTALL MAST ARM MOUNTED REGULATOR PER CALTRANS STANDARD PLAN ES-7N, DETAIL "U".
- FURNISH AND INSTALL REGULATORY SIGN AS SHOWN SIGN SHALL BE POLE MOUNTED PER CITY APPROVED METHOD.
- FURNISH AND INSTALL A CITY APPROVED EMERGENCY VEHICLE PREEMPTION UNIT (EVP) PER MANUFACTURER'S SPECIFICATIONS AND AS SHOWN. SEE DETAIL "C".
- FURNISH AND INSTALL ECONOLITE AUTOSCOPE VIDEO DETECTION CAMERA OR CITY APPROVED EQUAL PER MANUFACTURER'S SPECIFICATIONS AND AS SHOWN. SEE DETAIL "B".
- FURNISH AND INSTALL A POLE MOUNTED ECONOLITE AUTOSCOPE VIDEO DETECTION CAMERA OR CITY APPROVED EQUAL PER MANUFACTURER'S SPECIFICATIONS.
- EXISTING CONDUIT, INSTALL 12PR #19 SIGNAL INTERCONNECT FROM PROPOSED TRAFFIC SIGNAL CONTROLLER ON SAGEBRUSH DR TO EXISTING TRAFFIC SIGNAL CONTROLLER ON AVENUE 50. CONNECT FOR COMMUNICATION TO THE SATISFACTION OF THE ENGINEER. CONTRACTOR SHALL VERIFY COMMUNICATION BETWEEN MASTER CONTROLLER AND ALL SLAVE CONTROLLERS WITHIN THE SYSTEM AND PER THE SPECIAL PROVISIONS.
- EXISTING CONDUIT, REROUTE EXISTING 12PR #19 SIGNAL INTERCONNECT FROM EXISTING TRAFFIC SIGNAL CONTROLLER AND MASTER CONTROLLER ON EISENHOWER DR. TO PROPOSED TRAFFIC SIGNAL CONTROLLER ON SAGEBRUSH DR. CONNECT FOR COMMUNICATION TO THE SATISFACTION OF THE ENGINEER. CONTRACTOR IS TO REMOVE ANY EXCESS 12PR #19 CABLE NOT BEING USED.
- REMOVE AND SALVAGE STREET SIGN FROM POLE AND DELIVER TO CITY YARD.



ENGINEER'S NOTES:

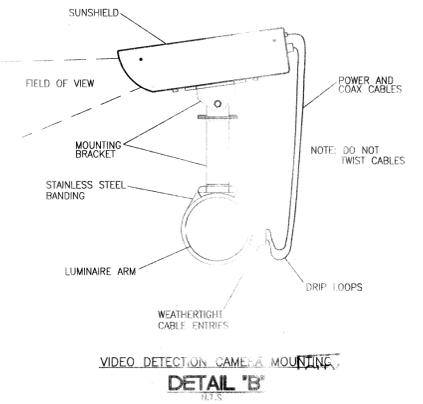
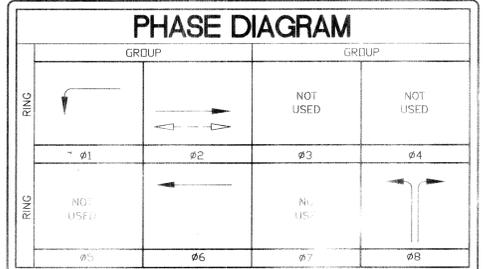
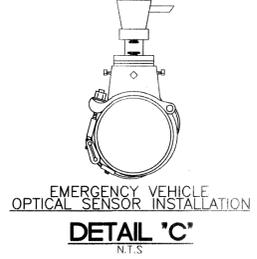
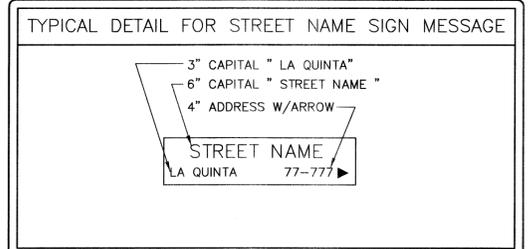
- ALL SIGNAL HEADS SHALL HAVE 12 INCH LENSES WITH METAL BACK PLATES.
- ALL RED, YELLOW, AND GREEN INDICATORS SHALL BE LIGHT EMITTING DIODE (LED) PER SPECIAL PROVISIONS.
- ALL PEDESTRIAN SIGNAL FACES WITH SOLID "RED HAND" SHALL BE PROVIDED WITH LIGHT EMITTING DIODE (LED) PER SPECIAL PROVISIONS.
- ENTRANCE INTO AND ALL WORK IN EXISTING IID FACILITIES SHALL BE DONE BY IID AUTHORIZED CONTRACTOR. CONTRACTOR SHALL CONTACT CITY / IID PRIOR TO CONSTRUCTION.
- ALL PEDESTRIAN PUSH BUTTONS SHALL BE NEMA RATED FOR DUST-CONTROLLED EQUIPMENT AND ADA ACCESSIBLE TYPE.
- PEDESTRIAN SIGNAL HEAD SHALL BE "COUNT DOWN" STYLE PEDESTRIAN HEAD PER SPECIAL PROVISIONS.
- PROVIDE BATTERY BACKUP WHICH MEETS HIGH TEMPERATURE SPECIFICATIONS AS APPROVED BY CITY ENGINEER.
- CONTRACTOR SHALL ARRANGE FOR FIRE DEPT. TESTING OF THE EVP ALIGNMENT.

Underground Service Alert
 Call-TOLL FREE
 1-800
 422-4133
 TWO WORKING DAYS BEFORE YOU DIG

CONDUCTOR SCHEDULE

AWG SIZE OR CABLE SIZE	POLE OR CIRCUIT	CONDUIT SIZE								
		1	2	3	4	5	6	7	8	
12 CSC	POLE - A									
	POLE - B									
	POLE - C									
	POLE - D									
	POLE - E									
	POLE - F									
3 CSC	TOTAL	1	2	2	1	1	1	1	2	2
	LUMINAIRE	2	2	2	2	2	2	2	2	2
#10	SIGNAL COMMON	1	1	1	1	1	1	1	2	
	TOTAL #10	3	3	3	3	3	3	3	2	
#12	I.I.S.N.S.	2	2	2	2	2	2	2	2	
	TOTAL #12	2	2	2	2	2	2	2	2	
VIDEO P/S	VIDEO P/S	1	2	2	1	1	1	1	3	
	VIDEO C/C	1	2	2	1	1	1	1	3	
	3M MODEL 138 EVP	1	2	2	1	1	1	1	3	
CONDUIT SIZE		3"	3"	3"	3"	3"	3"	3"	2-3"	

ALL CONDUCTORS AND CONDUITS ARE NEW, UNLESS OTHERWISE SHOWN.
 I.I.S.N.S. = INTERNALLY ILLUMINATED STREET NAME SIGN
 CSC = CONDUCTOR SIGNAL CABLE



POLE AND EQUIPMENT SCHEDULE

No.	POLE DATA		SIGNAL M.A.	LUMINAIRE		SIGNAL MOUNTING		PED. SIGNAL	PED. PUSH BUTTON	POLE LOCATION SEE DETAIL "A"			I.I.S.N.S.	REMARKS
	TYPE	HEIGHT		M.A.	HPS	MAST ARM	VEHICULAR			A	B	C		
(A)	29A-5-129	35'	50'	15'	200W	3-MAS	SV-2-TA					AS SHOWN	SAGEBRUSH DR	
(B)	17-3-129	30'	20'	15'	200W	MAS	SV-2-TA					AS SHOWN	WASHINGTON ST	
(C)	26A-4-129	35'	40'	15'	200W	2-MAS	SV-1-T	SP-1-T			9.5'	6'		SAGEBRUSH DR "COUNTDOWN STYLE"
(D)	PPB POST	40"							2	W-QUAD	11.5'	3'		
(E)	15	30'		12'	200W				2	W-QUAD	14'	6'		
(F)	1-A	10'				TV-1-T	SP-1-T				13.5'	6'		SAGEBRUSH DR "COUNTDOWN STYLE"

NOTE: CONTRACTOR SHALL POTHOLE MAST ARM POLE LOCATIONS PRIOR TO INSTALLATION.

REFERENCES		NO.		DATE		INT.		REVISIONS		APPR.		DATE					
PREPARED UNDER THE SUPERVISION OF:										APPROVED BY: CITY OF LA QUINTA <i>Timothy E. Jonasson</i> TIMOTHY E. JONASSON, P.E. PUBLIC WORKS DIRECTOR/ CITY ENGINEER RCE NO 45843 EXP 12/31/06 3/23/05 DATE				PLANS PREPARED BY:			
CITY OF LA QUINTA										TRAFFIC SIGNAL INSTALLATION PLAN							
DESIGN:										DRAFT:							
CHECK:										DATE:							
FOR:										DWG. No.:							