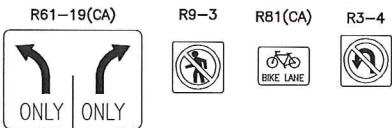


GENERAL NOTES:

- A. THIS PLAN IS BEING GENERATED TO DOCUMENT AS-BUILT CONDITIONS, AND TO REVIEW THE IN PLACE TRAFFIC SIGNAL INSTALLATION TO VERIFY COMPLIANCE WITH CURRENT APPLICABLE REGULATIONS. UNDERGROUND UTILITY CONSTRUCTION IS NOT A PART OF THE ENGINEER'S REVIEW, BUT IS SHOWN FOR INFORMATIONAL PURPOSES ONLY PER PREVIOUS AS-BUILT PLANS.
- B. TRAFFIC SIGNAL AND HIGHWAY LIGHTING CONSTRUCTION SHOWN HEREON CONFORMED TO THE VERSION OF THE STATE OF CALIFORNIA DEPARTMENT OF TRANSPORTATION STANDARD PLANS AND SPECIFICATIONS AND THE CALIFORNIA MANUAL OF UNIFORM TRAFFIC CONTROL DEVICES THAT WAS CURRENT AT THE TIME THE TRAFFIC SIGNAL WAS INSTALLED.
- C. TRAFFIC SIGNAL PHASING AND SIGNAL TIMING IN PLACE AT THE INTERSECTION SHALL BE AS DIRECTED BY THE CITY ENGINEER OR HIS DESIGNATED REPRESENTATIVE.

EXISTING SIGN ON THIS SHEET

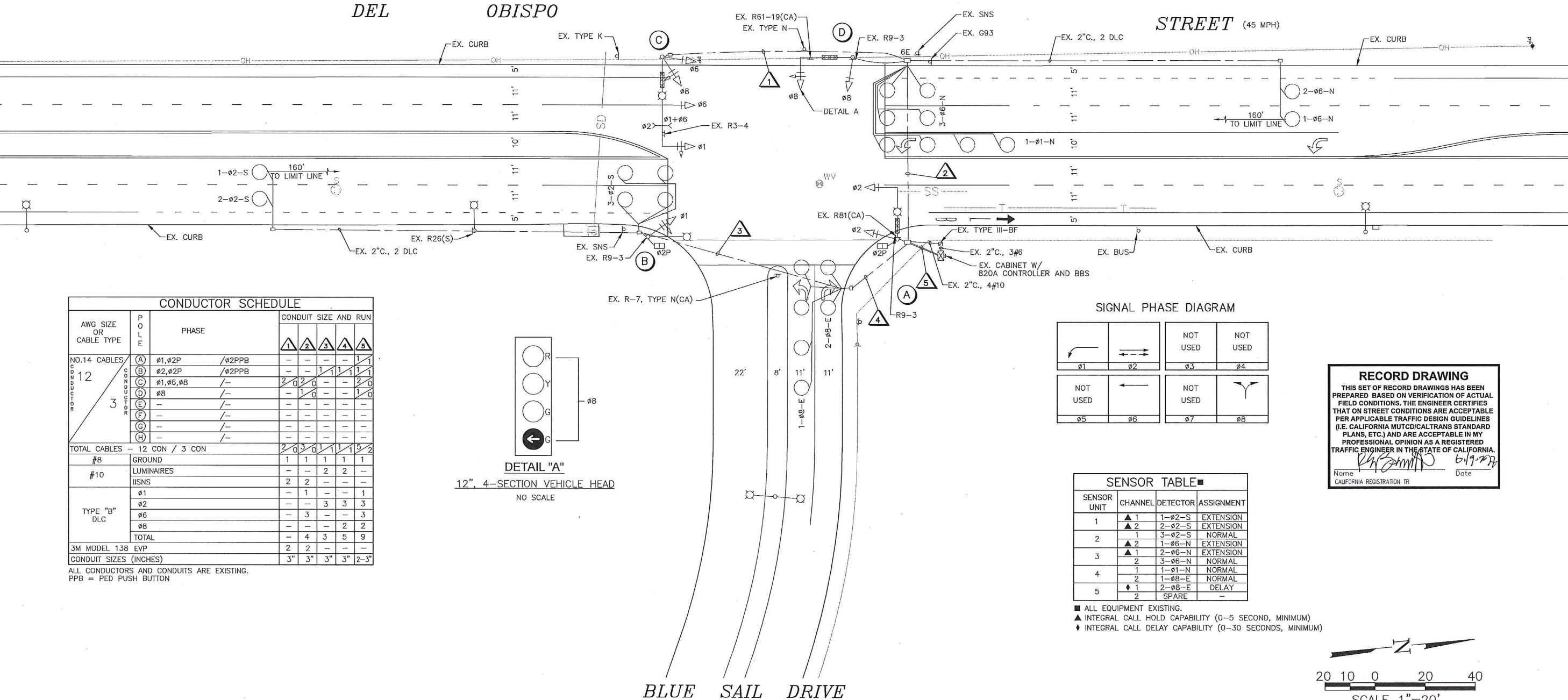


EQUIPMENT SCHEDULE

POLE LOCATION	SIGNAL STANDARD			LUMINAIRE SIZE/TYPE	MOUNTINGS			PEDESTRIAN PUSH BUTTON			POLE LOCATION		I.I.S.N.S.
	TYPE	MAST ARM			VEHICLE		PEDESTRIAN	PHASE	TYPE	QUAD	A	B	
		SIG.	LUM.		POLE	MAST ARM							
(A)	19-2-129	20'	12'	250W	SV-1-T	MAS	SP-1-T	ø8	B	E	EXISTING	EXISTING	Blue Sail Dr
(B)	15TS	-	12'	250W	SV-1-T	-	SP-1-T	ø6	B	E	EXISTING	EXISTING	-
(C)	26-4-129	35'	12'	250W	SV-2-TA	2-MAS F=16'	-	-	-	-	EXISTING	EXISTING	Blue Sail Dr
(D)	18-3-129	20'	-	-	SV-1-T	MAS-4B	-	-	-	-	EXISTING	EXISTING	Del Obispo St

ALL EQUIPMENT IS EXISTING.

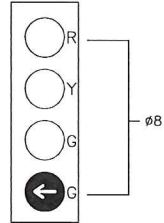
(B) = BULL DOG PUSH BUTTON.



CONDUCTOR SCHEDULE

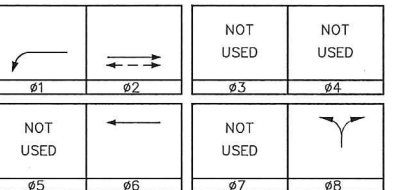
AWG SIZE OR CABLE TYPE		P O L E	P H A S E	CONDUIT SIZE AND RUN							
				1	2	3	4	5			
NO.14 CABLES  12  3	3  R I S I N G C O N D U I T S	(A)	ø1,ø2P / ø2PPB	—	—	—	—	1			
		(B)	ø2,ø2P / ø2PPB	—	—	1	1	1			
		(C)	ø1,ø6,ø8 /—	2	0	—	—	2			
		(D)	ø8 /—	—	1	0	—	1			
		(E)	— /—	—	—	—	—	—			
		(F)	— /—	—	—	—	—	—			
		(G)	— /—	—	—	—	—	—			
		(H)	— /—	—	—	—	—	—			
TOTAL CABLES — 12 CON / 3 CON				2	0	3	0	1	1	5	2
#8	GROUND			1	1	1	1	1			
#10	LUMINAIRES			—	2	2	—	—			
	IISNS			2	2	—	—	—			
TYPE "B" DLC	ø1			—	1	—	—	1			
	ø2			—	—	3	3	3			
	ø6			—	3	—	—	3			
	ø8			—	—	—	2	2			
	TOTAL			—	4	3	5	9			
3M MODEL 138 EVP				2	2	—	—				
CONDUIT SIZES (INCHES)				3"	3"	3"	3"	2-3"			

ALL CONDUCTORS AND CONDUITS ARE EXISTING.  
PPB = PED PUSH BUTTON



DETAIL "A"  
12", 4-SECTION VEHICLE HEAD  
NO SCALE

SIGNAL PHASE DIAGRAM

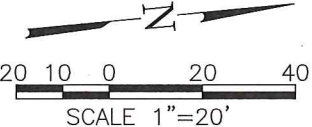


SENSOR TABLE

SENSOR UNIT	CHANNEL	DETECTOR	ASSIGNMENT
1	▲ 1	1-ø2-S	EXTENSION
	▲ 2	2-ø2-S	EXTENSION
2	▲ 1	3-ø2-S	NORMAL
	▲ 2	1-ø6-N	EXTENSION
3	▲ 1	2-ø6-N	EXTENSION
	2	3-ø6-N	NORMAL
4	1	1-ø1-N	NORMAL
	2	1-ø8-E	NORMAL
5	▲ 1	2-ø8-E	DELAY
	2	SPARE	-

- ALL EQUIPMENT EXISTING.
- ▲ INTEGRAL CALL HOLD CAPABILITY (0-5 SECOND, MINIMUM)
- ♦ INTEGRAL CALL DELAY CAPABILITY (0-30 SECONDS, MINIMUM)

**RECORD DRAWING**  
THIS SET OF RECORD DRAWINGS HAS BEEN PREPARED BASED ON VERIFICATION OF ACTUAL FIELD CONDITIONS. THE ENGINEER CERTIFIES THAT ON STREET CONDITIONS ARE ACCEPTABLE PER APPLICABLE TRAFFIC DESIGN GUIDELINES (I.E. CALIFORNIA MUTCD/CALTRANS STANDARD PLANS, ETC.) AND ARE ACCEPTABLE IN MY PROFESSIONAL OPINION AS A REGISTERED TRAFFIC ENGINEER IN THE STATE OF CALIFORNIA.  
Name: Richard E. Barrett Date: 6/19/17  
CALIFORNIA REGISTRATION TR



PLAN PREPARED BY: <b>LINSCOTT, LAW &amp; GREENSPAN, ENGINEERS</b> TRANSPORTATION PLANNING - TRAFFIC ENGINEERING - PARKING 600 South Lake Avenue, Suite 500, Pasadena, Ca 91106 (626) 796-2322 2 Executive Circle, Suite 250, Irvine, Ca 92614 (949) 825-6175 4542 Ruffner Street, Suite 100, San Diego, CA 92111 (619) 300-8500	PLANS REVIEWED BY: CITY OF DANA POINT, PUBLIC WORKS & ENGINEERING SERVICES 33282 GOLDEN LANTERN DANA POINT, CA 92629 <u>Matthew V. Sinacori</u> 6/20/17 MATTHEW V. SINACORI, CITY ENGINEER RCE #59239 EXP. 06/30/17 DATE THIS PLAN IS SIGNED BY THE CITY ENGINEER FOR SCOPE AND ADHERENCE TO CITY STANDARDS AND REQUIREMENTS, CITY CODES, AND OTHER GENERAL ENGINEERING AND REGULATORY REQUIREMENTS ONLY. THE CITY ENGINEER IS NOT RESPONSIBLE FOR DESIGN, ASSUMPTIONS, OR ACCURACY.	TRAFFIC SIGNAL PLAN DEL OBISPO STREET AT BLUE SAIL DRIVE <b>THE CITY OF DANA POINT</b> Public Works Department	PROJECT NO. 2-16-3741 SHEET 1 OF 1	
NO.	DATE	REVISIONS	APP.	DATE