

GENERAL NOTES:

- 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.
- 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.
- TRAFFIC SIGNAL PHASING AND SIGNAL TIMING IN PLACE AT THE INTERSECTION SHALL BE AS DIRECTED BY THE CITY ENGINEER OR HIS DESIGNATED REPRESENTATIVE.

LEGEND

- VIDEO DETECTION ZONE

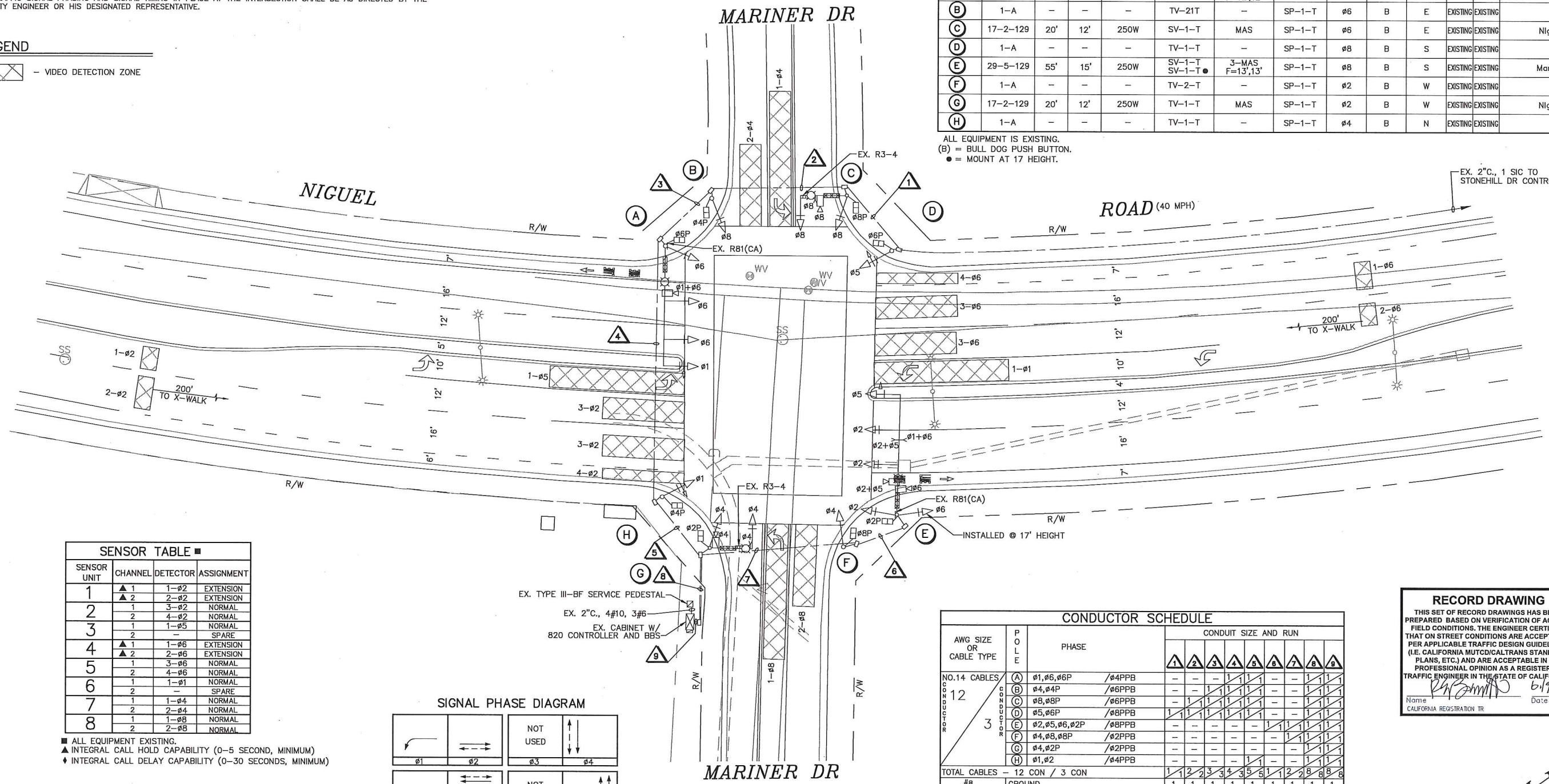
EXISTING SIGN ON THIS SHEET



POLE SCHEDULE

POLE LOCATION	SIGNAL STANDARD TYPE	MAST ARM		LUMINAIRE SIZE/TYPE	MOUNTINGS		PEDESTRIAN PUSH BUTTON			POLE LOCATION		I.I.S.N.S.
		SIG.	LUM.		VEHICLE	PEDESTRIAN	PHASE	TYPE	QUAD	A	B	
(A)	29-5-129	50'	15'	250W	SV-1-T	3-MAS F=12,12'	SP-1-T	Ø4	B	N	EXISTING	Mariner Dr
(B)	1-A	-	-	-	TV-21T	-	SP-1-T	Ø6	B	E	EXISTING	-
(C)	17-2-129	20'	12'	250W	SV-1-T	MAS	SP-1-T	Ø6	B	E	EXISTING	Niguel Rd
(D)	1-A	-	-	-	TV-1-T	-	SP-1-T	Ø8	B	S	EXISTING	-
(E)	29-5-129	55'	15'	250W	SV-1-T	3-MAS F=13,13'	SP-1-T	Ø8	B	S	EXISTING	Mariner Dr
(F)	1-A	-	-	-	TV-2-T	-	SP-1-T	Ø2	B	W	EXISTING	-
(G)	17-2-129	20'	12'	250W	TV-1-T	MAS	SP-1-T	Ø2	B	W	EXISTING	Niguel Rd
(H)	1-A	-	-	-	TV-1-T	-	SP-1-T	Ø4	B	N	EXISTING	-

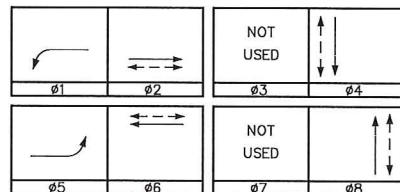
ALL EQUIPMENT IS EXISTING.
(B) = BULL DOG PUSH BUTTON.
● = MOUNT AT 17' HEIGHT.



SENSOR TABLE			
SENSOR UNIT	CHANNEL	DETECTOR	ASSIGNMENT
1	▲ 1	1-Ø2	EXTENSION
	▲ 2	2-Ø2	EXTENSION
2	1	3-Ø2	NORMAL
	2	4-Ø2	NORMAL
3	1	1-Ø5	NORMAL
	2	-	SPARE
4	▲ 1	1-Ø6	EXTENSION
	▲ 2	2-Ø6	EXTENSION
5	1	3-Ø6	NORMAL
	2	4-Ø6	NORMAL
6	1	1-Ø1	NORMAL
	2	-	SPARE
7	1	1-Ø4	NORMAL
	2	2-Ø4	NORMAL
8	1	1-Ø8	NORMAL
	2	2-Ø8	NORMAL

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

SIGNAL PHASE DIAGRAM



CONDUCTOR SCHEDULE

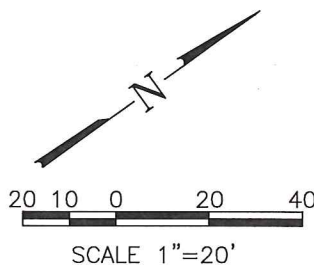
AWG SIZE OR CABLE TYPE	P O L E	PHASE	CONDUIT SIZE AND RUN							
			1	2	3	4	5	6	7	8
NO.14 CABLES 12 3	(A)	Ø1, Ø6, Ø6P / Ø4PPB	-	-	-	1	1	1	-	1
	(B)	Ø4, Ø4P / Ø6PPB	-	-	1	1	1	1	-	1
	(C)	Ø8, Ø8P / Ø6PPB	-	1	1	1	1	1	-	1
	(D)	Ø5, Ø6P / Ø8PPB	1	1	1	1	1	1	-	1
	(E)	Ø2, Ø5, Ø6, Ø2P / Ø8PPB	-	-	-	-	1	1	1	1
	(F)	Ø4, Ø8, Ø8P / Ø2PPB	-	-	-	-	-	1	1	1
	(G)	Ø4, Ø2P / Ø2PPB	-	-	-	-	-	-	1	1
	(H)	Ø1, Ø2 / Ø4PPB	-	-	-	1	1	-	-	1
TOTAL CABLES - 12 CON / 3 CON			1	1	2	3	4	3	5	8
#8 GROUND			1	1	1	1	1	1	1	1
#10 LUMINAIRES			2	2	2	2	2	2	-	-
#10 IISNS			-	2	2	2	2	2	-	-
VIDEO COAX			-	1	1	2	2	1	1	4
VIDEO POWER (3#16)			-	1	1	2	2	1	1	4
GIT MODEL 138 EVP			-	1	1	1	1	2	2	4
SIC			1	1	1	1	1	-	-	1
CONDUIT SIZES (INCHES)			3"	3"	3"	3"	3"	3"	3"	2-3"

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

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: *[Signature]* Date: *6/19/17*
CALIFORNIA REGISTRATION TR



NO.		DATE	REVISIONS		APP.	DATE		
PLAN PREPARED BY: LINSCOTT, LAW & GREENSPAN, ENGINEERS TRANSPORTATION PLANNING - TRAFFIC ENGINEERING - PARKING 250 North Center Avenue, Suite 202, Pasadena, CA 91106 (626) 793-2322 1500 Corporate Drive, Suite 122, Costa Mesa, CA 92626 (714) 441-1887 4542 Ruffner Street, Suite 100, San Diego, CA 92111 (619) 300-0800 PLANS REVIEWED BY: CITY OF DANA POINT, PUBLIC WORKS & ENGINEERING SERVICES 33282 GOLDEN LANTERN, DANA POINT, CA 92629 <i>[Signature]</i> 6/20/17 MATTHEW V. SINACORI, CITY ENGINEER RCE #59239 EXP. 06/30/17 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 NIGUEL ROAD AT MARINER DRIVE THE CITY OF DANA POINT Public Works Department						PROJECT NO. 2-07-2909-1 SHEET 1 OF 1		