CONDUCTOR SCHEDULE

AWG SIZE OR CABLE TYPE	POLE	PHASE		CONDUIT SIZE AND RUN 1	2	3	4	5
NO.14 CABLES (CONDUCTOR 12 / CONDUCTOR 3)	(A)	ø5,ø6,ø8,ø6P,ø8P	/ø6PPB,ø8PPB	–	–	–	–	2/2
	(B)	ø2,ø5,ø2P	/ø8PPB	–	–	1/1	–	1/1
	(C)	ø4,ø8,ø8P	/ø2PPB	–	1/1	1/1	–	1/1
	(D)	ø4,ø2P	/ø2PPB	1/1	1/1	1/1	–	1/1
	(E)	ø1,ø2	/–	1/0	1/0	1/0	–	1/0
	(F)	ø1,ø6,ø8,ø6P	/ø6PPB	–	–	–	2/1	2/1
TOTAL CABLES – 12 CON / 3 CON				2/1	3/2	4/3	2/1	8/6
#10	LUMINAIRES			2	2	2	2	–
	IISNS			2	2	2	2	–
	TOTAL			4	4	4	4	–
TYPE "B" DLC	ø1			–	–	–	–	–
	ø2			5	5	5	–	5
	ø4			–	–	–	1	1
	ø5			1	1	1	–	1
	ø6			–	–	–	–	–
	ø8			–	2	2	–	2
	TOTAL			6	8	8	1	9
3M MODEL 138 EVP				–	–	1	3	4
PERCENT FILL (%)				22%	32%	41%	21%	37%
CONDUIT SIZES (INCHES)				3"	3"	3"	3"	2–3"

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

SENSOR TABLE ■

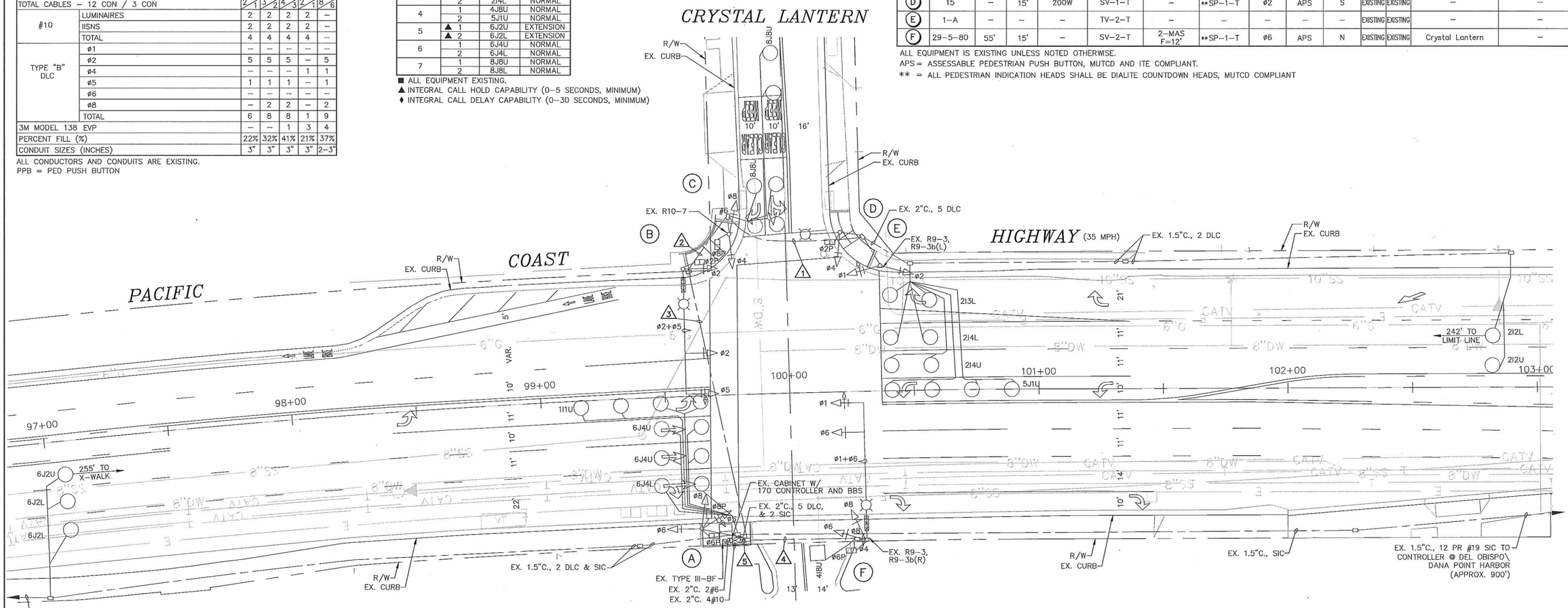
SENSOR UNIT	CHANNEL	DETECTOR	ASSIGNMENT
1	1	111U	NORMAL
	▲ 2	2I2L	EXTENSION
2	▲ 1	2I2U	EXTENSION
	2	2I3L	DELAY
3	1	2I4U	NORMAL
	2	2I4L	NORMAL
4	1	4J8U	NORMAL
	2	5J1U	NORMAL
5	▲ 1	6J2U	EXTENSION
	▲ 2	6J2L	EXTENSION
6	1	6J4U	NORMAL
	2	6J4L	NORMAL
7	1	8J8U	NORMAL
	2	8J8L	NORMAL

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

EQUIPMENT SCHEDULE

LOCATION	SIGNAL STANDARD POLE TYPE	MAST ARM SIG.	MAST ARM LUM.	LUMINAIRE SIZE/TYPE	MOUNTINGS VEHICLE POLE	MOUNTINGS VEHICLE MAST ARM	MOUNTINGS PEDESTRIAN	PEDESTRIAN PUSH BUTTON PHASE	PEDESTRIAN PUSH BUTTON TYPE	PEDESTRIAN PUSH BUTTON QUAD	POLE LOCATION A	POLE LOCATION B	I.I.S.N.S.	REMARKS
(A)	1–A	–	–	–	TV–3–T	–	**SP–2–T	ø6/ø8	APS APS	S/E	EXISTING	EXISTING	–	–
(B)	29–5–80	50'	15'	200W	SV–1–T	2–MAS F=16'	**SP–1–T	ø8	APS	E	EXISTING	EXISTING	Crystal Lantern	–
(C)	1–A	–	–	–	TV–2–T	–	**SP–1–T	ø2	APS	S	EXISTING	EXISTING	–	–
(D)	15	–	15'	200W	SV–1–T	–	**SP–1–T	ø2	APS	S	EXISTING	EXISTING	–	–
(E)	1–A	–	–	–	TV–2–T	–	**SP–1–T	–	–	–	EXISTING	EXISTING	–	–
(F)	29–5–80	55'	15'	–	SV–2–T	2–MAS F=12'	**SP–1–T	ø6	APS	N	EXISTING	EXISTING	Crystal Lantern	–

ALL EQUIPMENT IS EXISTING UNLESS NOTED OTHERWISE.
APS = ASSESSABLE PEDESTRIAN PUSH BUTTON, MUTCD AND ITE COMPLIANT.
** = ALL PEDESTRIAN INDICATION HEADS SHALL BE DIALITE COUNTDOWN HEADS, MUTCD COMPLIANT



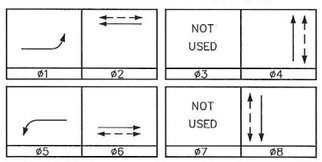
GENERAL NOTES:

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.

SIGNAL PHASE DIAGRAM



SIGNS ON THIS SHEET

R9–3 | R9–3b(R) USE CROSSWALK | R9–3b(L) USE CROSSWALK | R10–7 DO NOT BLOCK INTERSECTION

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 — CALIFORNIA REGISTRATION TR — Date 6.19.17

N

20 10 0 20 40

SCALE 1"=20'

NO.	DATE	REVISIONS	APP.	DATE

PLAN PREPARED BY:
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REGISTERED PROFESSIONAL ENGINEER — RICHARD E. BARRETTO — No. 2006 — Exp 6/30/19 TRAFFIC — STATE OF CALIFORNIA

PLANS REVIEWED BY:
CITY OF DANA POINT, PUBLIC WORKS & ENGINEERING SERVICES
33282 GOLDEN LANTERN,
DANA POINT, CA 92629
6/20/17
MATTHEW V. SINACORI, CITY ENGINEER — DATE
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.

DANA POINT · CALIFORNIA · 1989

TRAFFIC SIGNAL PLAN
CRYSTAL LANTERN AT PACIFIC COAST HIGHWAY

THE CITY OF DANA POINT
Public Works Department

PROJECT NO. 1111

SHEET TS4 OF 1

n:\3200\2113225–1 – city of dana point on–call services 2011 fye 2012, dana point\2017 traffic signal record drawings\pch at crystal lantern\\$2000ts pch–cryp–record drawing 2017.dwg LDP 10:12:40 05–19–2017 preap