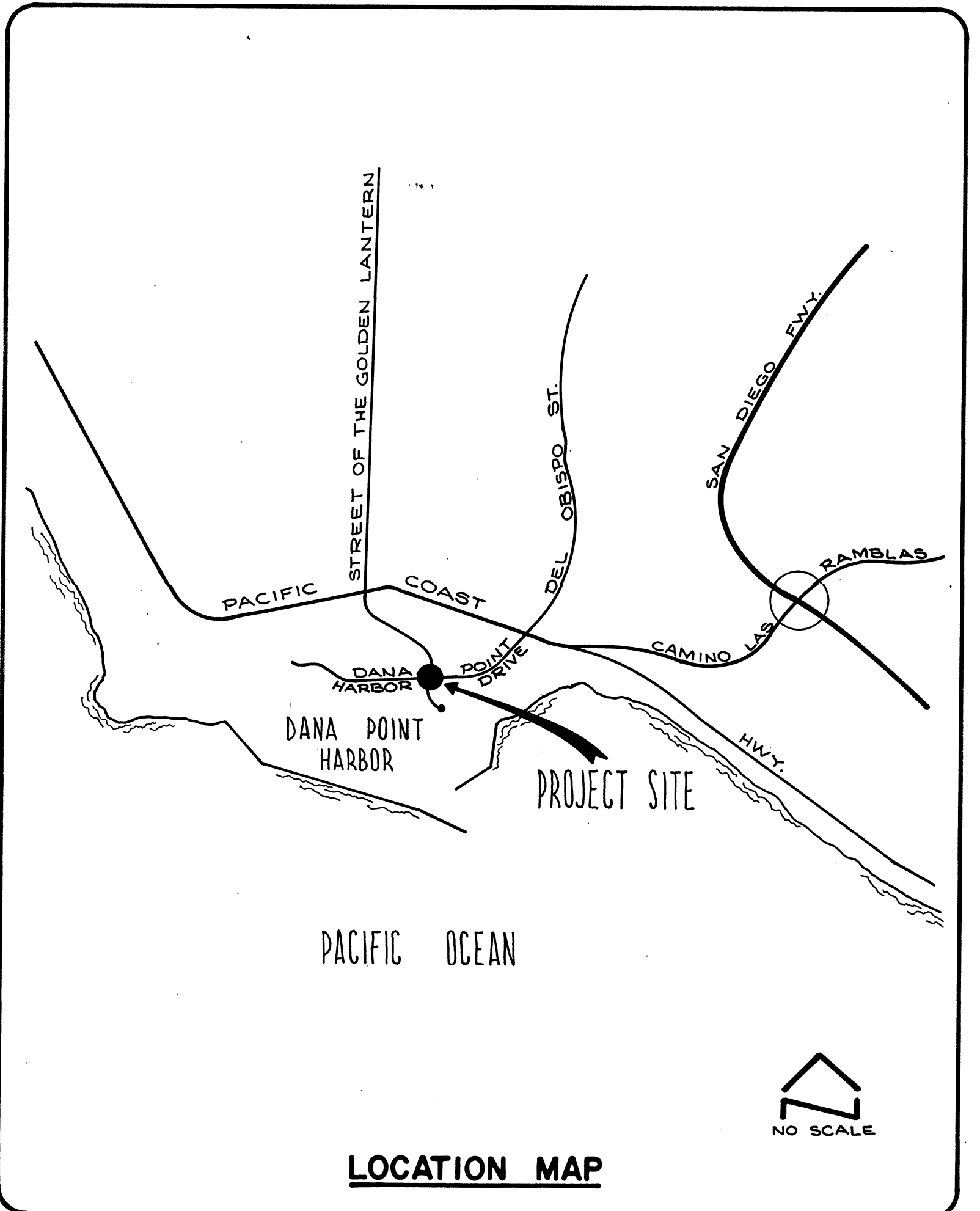
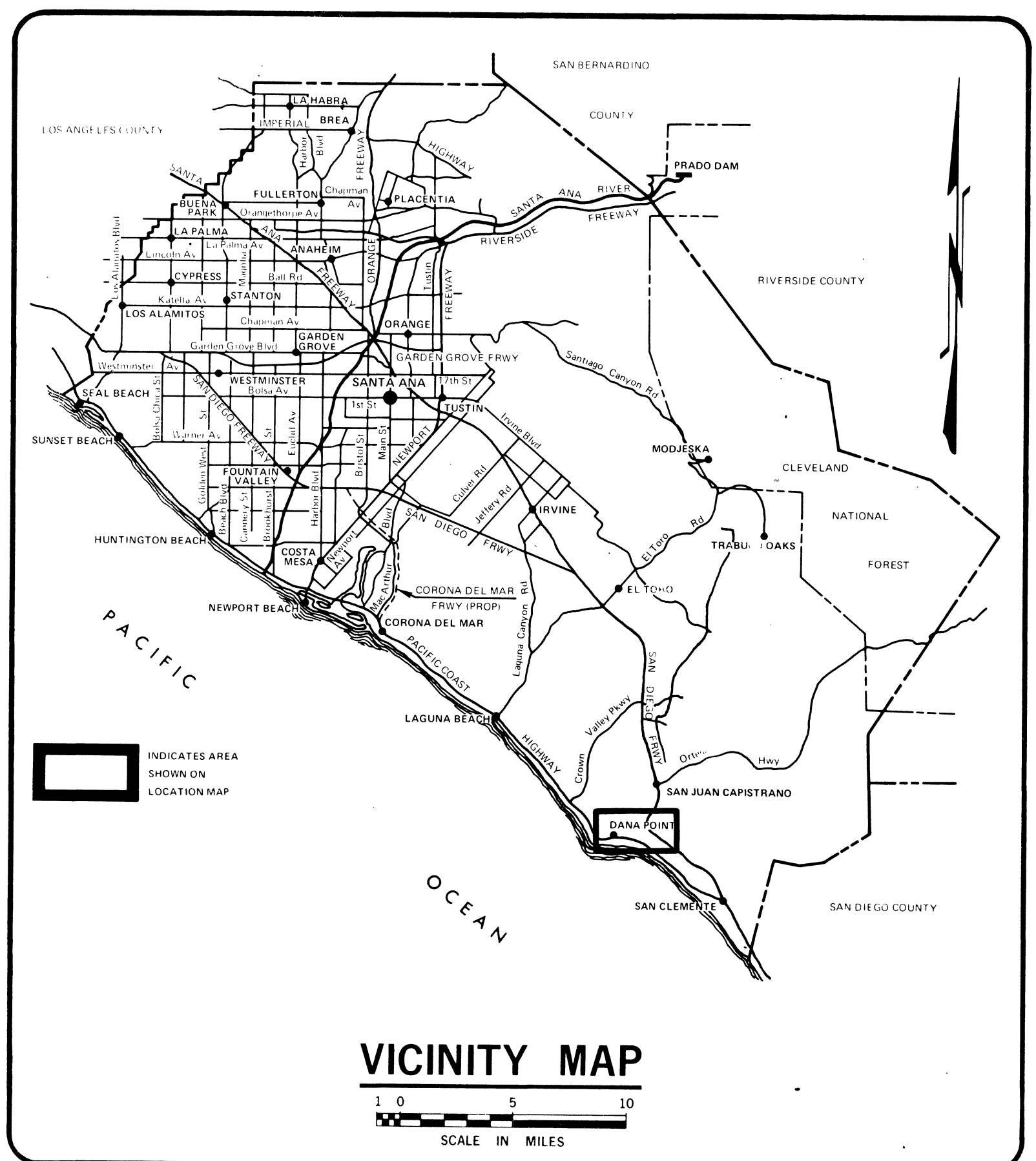


Harbor Drive,
Orange, CA

D20.1

Orange, CA

Orange, CA

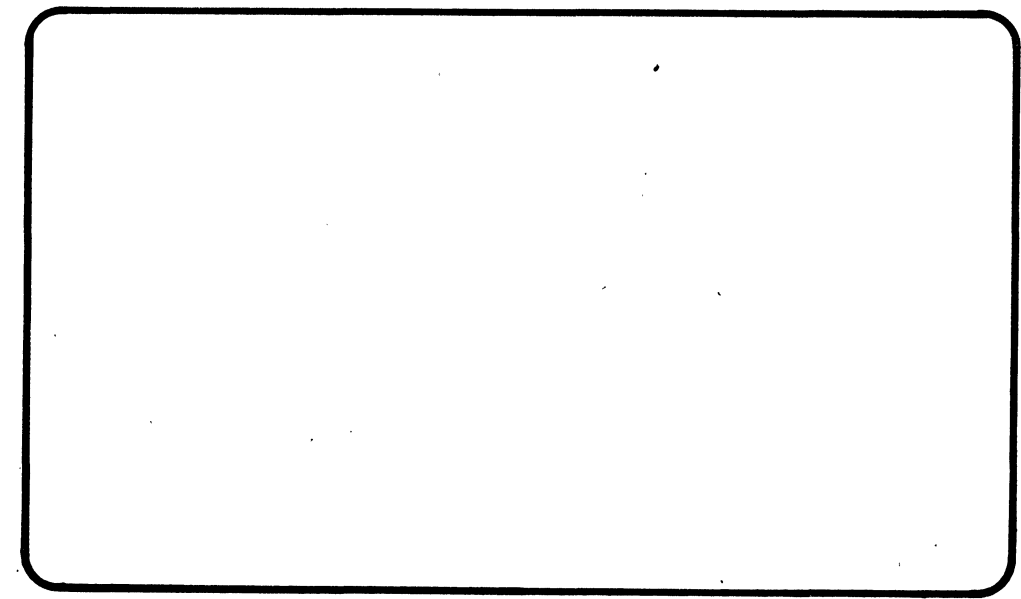


ORANGE COUNTY ENVIRONMENTAL MANAGEMENT AGENCY

SANTA ANA, CALIFORNIA
M. STORM, DIRECTOR

PLANS FOR CONSTRUCTION OF TRAFFIC SIGNAL & HIGHWAY LIGHTING FACILITIES ON DANA POINT HARBOR DRIVE AT STREET OF THE GOLDEN LANTERN

FUNDED BY: HIGHWAY USERS TAX



EMA-DEVELOPMENT

SUBMITTED: *Mitsuru Yamada* 2/2/84
MITSURU YAMADA

RECOMMENDED: *Steven M. Hogan* 2/6/84
STEVEN M. HOGAN RCE 29268
RTE 1133

APPROVED: *William L. Zann* 2/8/84
WILLIAM L. ZANN RCE 13525
RTE 676

PREPARED UNDER THE SUPERVISION OF
William L. Zann DATE 1-26-84
HILBERT WILLIAM DICKSON R.C.E. No. 19417

TRAFFIC ENGINEERING
CONSULTANTS
Herman Kimmel and Associates, Inc.
3300 IRVINE AVENUE, SUITE 180, NEWPORT BEACH, CA 92660
(714) 546-9814

83-66

INDEX OF SHEETS	
SHEET	DESCRIPTION
1.	TITLE SHEET
2.	TRAFFIC SIGNAL PLAN
3.	DETAIL SHEET (SIGNAL)
4. & 5	TRAFFIC SIGNING AND STRIPING PLAN

UTILITY	PHONE NO.
1. SAN DIEGO GAS & ELEC.	CAROL MOODY (619) 438-6103
2. CAPO. BEACH COUNTY WATER DIST.	JOHN SERENCES (714) 496-5261
3. SO. CAL. GAS CO.	JOYCE BURGER (714) 634-3122
4. STORER CABLE TV	TIM SCANLIN (714) 831-3242
5. PACIFIC TELEPHONE	JO Mc CARD (714) 999-5716
6. UNDERGROUND SERVICE ALERT	1-800-422-4133
7. DANA POINT SANITATION DIST.	SHERMAN SALONEN (714) 496-9322

BENCH MARK:

BASIS OF BEARING:

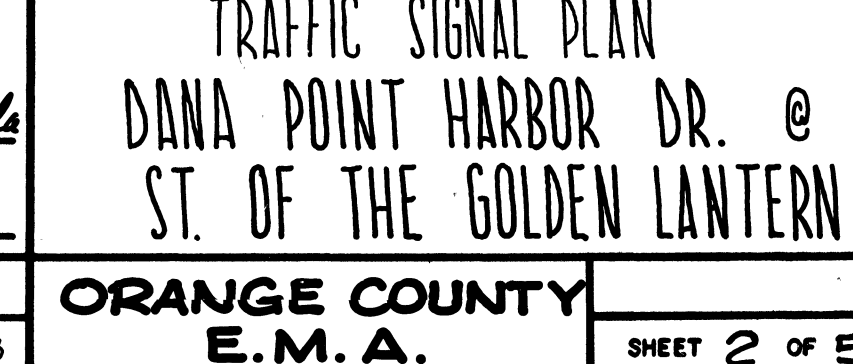
NO.	DESCRIPTION	SHT.	APPROVED	DATE
REVISIONS				

W. O. NO. R08651
DWG. NO. _____

• PLAN HOLD CORPORATION

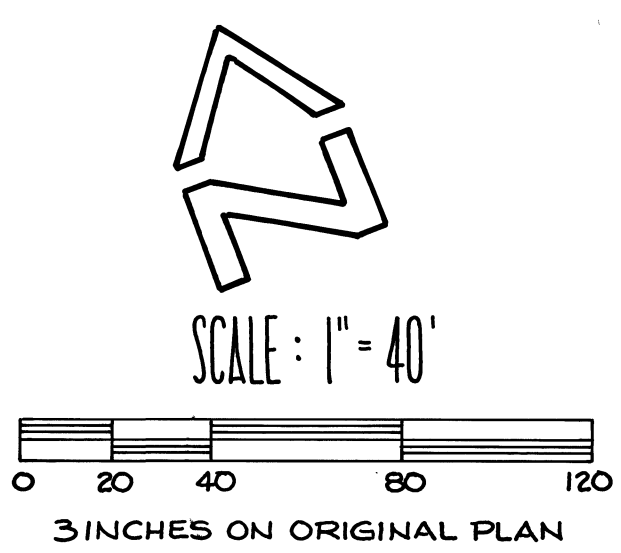
BPB = BICYCLE PUSH BUTTON

3 INCHES ON ORIGINAL PLAN



△ △ △ △	12-20-79	ADDED DETAIL H	ORANGE COUNTY ENVIRONMENTAL MANAGEMENT AGENCY DETAIL SHEET DANA POINT HARBOR DR. @ ST. OF THE GOLDEN LANTER	PREPARED UNDER SUPERVISION OF <i>M. Williams</i> DATE <i>1/24/82</i> SHEET <i>3/5</i>	
	12-15-81	ADDED DETAIL D REVISED DETAIL F			
	2-23-82	DETAIL E ALL ARROWS			
	4-20-82	ADDED DETAIL I			
MARK	DATE	DESCRIPTION	SCALE	DATE	DWG. NO.
REVISIONS			AS SHOWN	2/23/82	
DESIGNED	M.Y.				
DRAWN	A.J.M.				
CHECKED	R.H.S.				

DRAWING NUMBER
D20.3
TRAFFIC ENGINEERING & STRIPING PLAN
ORANGE COUNTY
E.M.A.
DATE 12/2/84
BY HLG
CHECKED HLG
DESIGNED HLG
APPROVED HLG
TRAFFIC ENGINEERING & STRIPING PLAN
ORANGE COUNTY
E.M.A.
DATE 12/2/84
BY HLG
CHECKED HLG
DESIGNED HLG
APPROVED HLG

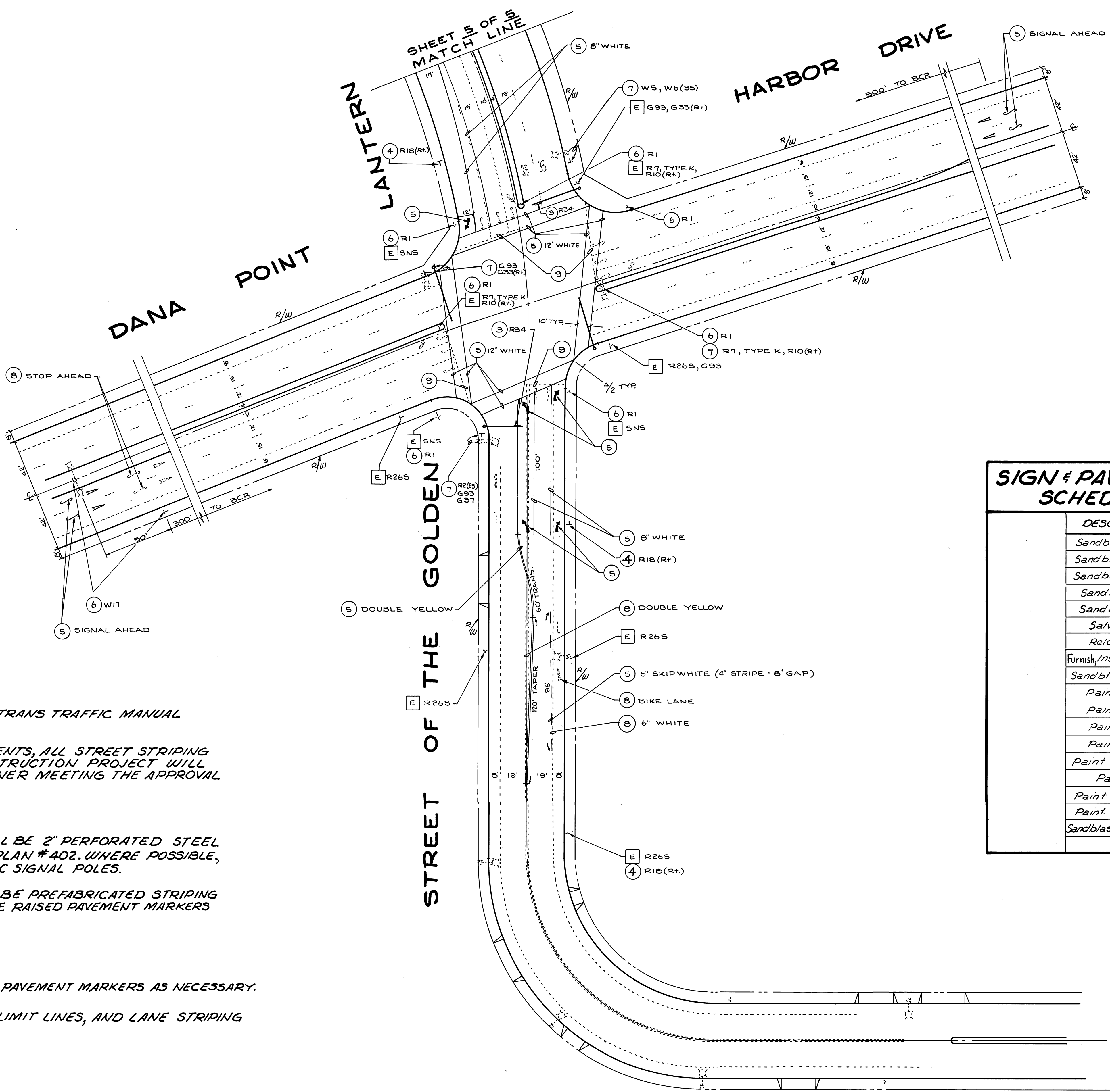


RAISED PAVEMENT MARKER SCHEDULE				
STRIPE	RPM TYPE	SPACING - LOCATION	TOTAL	ESTIMATE
8" Skip White	"G"	15'- 2 Ea. Centered in Gap	40 Ea.	
8" Solid White	"S"	24'- Edge of Stripe	30 Ea.	
Double Yellow	"D"	24'- Each Side of Stripe	25 Ea.	
TOTAL REFLECTIVE RPM			95 Ea.	

NOTES THIS SHEET:

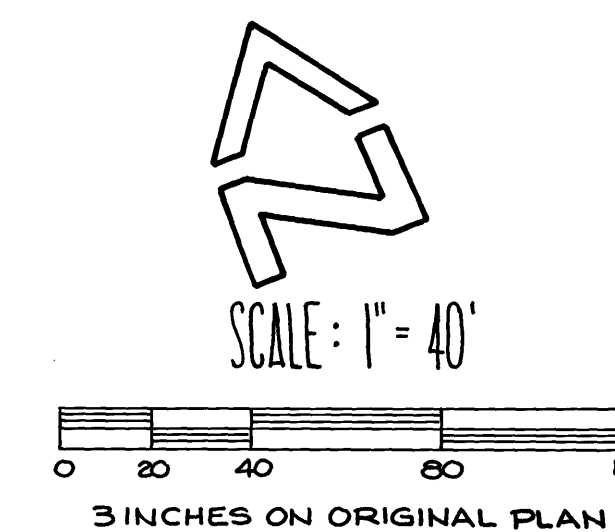
- SIGNING AND STRIPING SHALL CONFORM TO LATEST CALTRANS TRAFFIC MANUAL THESE PLANS, AND THE SPECIAL PROVISIONS.
- PRIOR TO FINAL ACCEPTANCE OF STREET IMPROVEMENTS, ALL STREET STRIPING AND STENCILING WITHIN THE PERIMETER OF CONSTRUCTION PROJECT WILL BE RESTORED TO "LIKE NEW" CONDITION, IN A MANNER MEETING THE APPROVAL OF THE DIRECTOR, EMA PUBLIC WORKS.
- FURNISH AND INSTALL SIGN(S).
- FURNISH AND INSTALL SIGN AND POST. NEW POST SHALL BE 2" PERFORATED STEEL TUBING AND INSTALLED PER ORA. CO. EMA STANDARD PLAN #402. WHERE POSSIBLE, SIGNS SHALL BE MOUNTED ON LUMINAIRES OR TRAFFIC SIGNAL POLES.
- PAINT STRIPING AS SHOWN. LEGENDS AND ARROWS SHALL BE PREFABRICATED STRIPING TAPE (3M STAMARK OR EQUAL). STRIPING SHALL INCLUDE RAISED PAVEMENT MARKERS PER SCHEDULE ABOVE.
- REMOVE AND SALVAGE SIGN AND/OR POST.
- RELOCATE SIGN.
- SANDBLAST STRIPING SHOWN AND REMOVE RAISED PAVEMENT MARKERS AS NECESSARY.
- SANDBLAST ALL EXISTING "STOP" LEGENDS, 12" WHITE LIMIT LINES, AND LANE STRIPING WITHIN CROSSWALK AREA.

[E] EXISTING SIGN(S) TO REMAIN



SIGN & PAVEMENT MARKING SCHEDULE (SHEETS 4 & 5 OF 5)			
	DESCRIPTION	QUANTITY	EQUIV. S.F.
	Sandblast 4" Skip	550 L.F.	60
	Sandblast 6" White	270 L.F.	135
	Sandblast 12" Solid	240 L.F.	240
	Sandblast "STOP"	13 Ea.	330
	Sandblast "AHEAD"	2 Ea.	75
	Salvage Sign	7 Ea.	—
	Relocate Sign	12 Ea.	—
	Furnish/Install Sign & Post	8 Ea.	—
	Sandblast "BIKE LANE"	1 Ea.	50
	Paint 6" Skip	96 L.F.	50
	Paint 8" Skip	300 L.F.	50
	Paint 8" Solid	700 L.F.	470
	Paint 12" Solid	750 L.F.	750
	Paint "SIGNAL AHEAD"	6 Ea.	420
	Paint "ONLY"	1 Ea.	25
	Paint Arrow (Lt. or Rt.)	6 Ea.	250
	Paint Double Yellow	280 L.F.	280
	Sandblast Double Yellow	290 L.F.	290

REFERENCE PLANS		PREPARED UNDER THE SUPERVISION OF <i>Hilbert William Dickson</i> DATE 1-24-84 HILBERT WILLIAM DICKSON R.C.E. No. 12417				APPROVED <i>Hilbert William Dickson</i> DATE 2/2/84		TRAFFIC ENGINEERING & STRIPING PLAN DANA POINT HARBOR DR. @ ST. OF THE GOLDEN LANTERN	
DESCRIPTION	DATE	TRAFFIC ENGINEERING CONSULTANTS Herman Kimmel and Associates, Inc. 3300 IRVINE AVENUE, SUITE 180 NEWPORT BEACH, CA. 92660 (714) 546-9814				DESIGNED <i>HILG</i>	DRAWN <i>KH</i>	ORANGE COUNTY E.M.A.	
STREET IMPROVEMENT PLANS TRACT NO. 11153 PHASE I		DATE BY DESCRIPTION APP'D. CHECKED DATE				12/2/84	12/2/84	SHEET 4 OF 5	



- ① *SIGNING AND STRIPING SHALL CONFORM TO LATEST CALTRANS TRAFFIC MANUAL THESE PLANS, AND THE SPECIAL PROVISIONS.*
- ② *PRIOR TO FINAL ACCEPTANCE OF STREET IMPROVEMENTS, ALL STREET STRIPING AND STENCILING WITHIN THE PERIMETER OF CONSTRUCTION PROJECT WILL BE RESTORED TO "LIKE NEW" CONDITION, IN A MANNER MEETING THE APPROVAL OF THE DIRECTOR, EMA PUBLIC WORKS.*
- ③ *FURNISH AND INSTALL SIGN(S).*
- ④ *FURNISH AND INSTALL SIGN AND POST. NEW POST SHALL BE 2" PERFORATED STEEL TUBING AND INSTALLED PER O.R.A. CO. EMA STANDARD PLAN # 402. WHERE POSSIBLE, SIGNS SHALL BE MOUNTED ON LUMINAIRES OR TRAFFIC SIGNAL POLES.*
- ⑤ *PAINT STRIPING AS SHOWN. LEGENDS AND ARROWS SHALL BE PREFABRICATED STRIPING TAPE (3M STAMARK OR EQUAL). STRIPING SHALL INCLUDE RAISED PAVEMENT MARKERS PER SCHEDULES, SHEET 4 OF 5.*
- ⑥ *REMOVE AND SALVAGE SIGN AND/OR POST.*
- ⑦ *RELOCATE SIGN.*
- ⑧ *SANDBLAST STRIPING SHOWN AND REMOVE RAISED PAVEMENT MARKERS AS NECESSARY.*
- ⑨ *SANDBLAST ALL EXISTING "STOP" LEGENDS, 12" WHITE LIMIT LINES, AND LANE STRIPING WITHIN CROSSWALK AREA.*

REFERENCE PLANS		PREPARED UNDER THE SUPERVISION OF <i>Hilbert William Dickson</i> DATE <i>1-26-84</i> HILBERT WILLIAM DICKSON R.C.E. No. 19417		APPROVED <i>Mitunas J. Gombosi</i> DATE <i>2/2/84</i>		TRAFFIC SIGNING & STRIPING PLAN DANA POINT HARBOR DR. @ ST. OF THE GOLDEN LANTERN	
DESCRIPTION	DATE	TRAFFIC ENGINEERING CONSULTANTS		DATE		ORANGE COUNTY	
STREET IMPROVEMENT PLANS TRACT NO. 11153 PHASE I		 Herman Kimmel and Associates, Inc. 3300 IRVINE AVENUE, SUITE 180 NEWPORT BEACH, CA. 92660 (714) 546-9814 03-66		DESIGNED <i>KWD</i> DRAWN <i>KT</i> CHECKED <i>NLS</i> DATE <i>12/83</i>		E.M.A.	
		REVISIONS DATE BY DESCRIPTION APP'D.				SHEET 5 OF 5	