

SANTA ANA, CALIFORNIA  
IGNACIO G. OCHOA, INTERIM DIRECTOR  
PLANS FOR CONSTRUCTION OF


Resident Engineer:	Hamid Abedzadeh
Inspector:	Raymond Marcial/Paul Weaver
Contractor:	John S. Meek Company, Inc.
Completion Date:	May 23, 2014


**FUNDED BY:** COUNTY OF ORANGE ROAD FUNDS, AND  
PROPOSITION 1B STATE LOCAL PARTNERSHIP PROGRAM

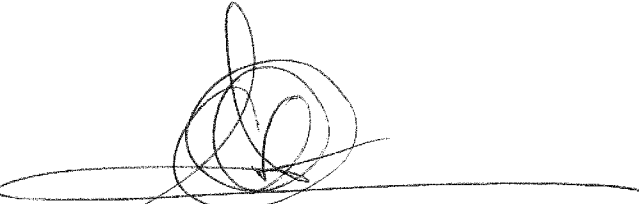
OC PUBLIC WORKS

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APPROVED FOR CONTRACT ADMINISTRATION PURPOSES:

SUBMITTED:  9/19/13  
JAVID SHARIFI, P.E.  
MANAGER, CAPITAL PROJECTS DATE

RECOMMENDED:  9/19/13  
KHALID BAZMI, P.E.  
MANAGER, OC ROAD DATE

APPROVED:  9/19/13  
IGNACIO G. OCHOA, P.E.  
DIRECTOR / CHIEF ENGINEER,  
OC ENGINEERING DATE

CORRECTION BY: RM/PW  
CONTRACT NO.: ER09344  
DATE: 06/09/2014

CALL 1-800-422-4133 TWO (2)  
WORKING DAYS PRIOR TO EXCAVATION

UTILITY OWNER	CONTACT	PHONE NO.
AT&T (PAC BELL)	BOB FLEISHER	714-237-6165
COX COMMUNICATIONS	DEBBI BORROEL	949-546-2753
SDG&E	PATTI GOOD	949-361-8047
SOUTHERN CALIFORNIA GAS	ED HALE	714-634-3118
SOUTH COAST WATER DISTRICT	RON CESTARI	949-289-0379
UNDERGROUND SERVICE ALERT		800-422-4133

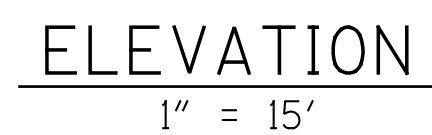
ER09344

W. O. NO. ~~ER03737~~

DWG. NO. \_\_\_\_\_

FILE NAME : S:\Road Projects\Bridge\BridgeMaint\ProjectNo1 ER20260\AAB-Batched\Projects\7-DanaPt-Island\WayBr\CAD\00-TitleSheet.dgn





TYPICAL SECTION

---

$\frac{1}{8}'' = 1'-0''$   
(Looking South)


- ① 4- 5"± Exist Electrical Conduits (S.D.G.E.)
- ② 2- 3½"± Exist Telephone Conduits (Pac Bell)
- ③ 3- 6"± Exist Conduits, 1 with 2"± (S.C.G.)
- ④ 10"± Exist Water Main (S.C.W.D.)
- ⑤ Cable TV (Cox Communications)
- ⑥ 8"± Exist Sewer Line (S.C.W.D.)
- ⑦ 2- 1¼" Electrical Conduits (County)
- ⑧ 1- 1¼" Electrical Conduits (County)

Sheet  
Reference  
Number

GENERAL PLAN

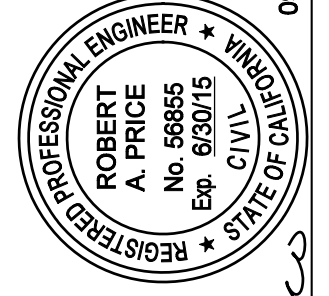
Sheet 2 of 17





MARK	DESCRIPTION	DATE	APPR.

PREPARED UNDER THE RESPONSIBLE CHARGE OF:



ROBERT A. PRICE  
No. 56855  
Exp. 6/30/15  
CIVIL  
STATE OF CALIFORNIA

09/20/13  
DATE

DESIGNED BY:	DRAWN BY:	CHECKED BY:	DRAWING CODE:	FILE NAME:	PLOT DATE:	SCALE:
R. PRICE	R. ANDRASEK	T. DUDLEY			9/17/2013	AS SHOWN

ORANGE COUNTY  
PUBLIC WORKS

PREPARED BY:  
AECOM  
999 W. Town & Country Road  
Orange, CA 92668  
(714) 567-2501

MAINTENANCE OF VARIOUS  
BRIDGES IN ORANGE COUNTY

ISLAND WAY BRIDGE  
IN DANA POINT HARBOR  
REHABILITATION  
BR. NO. 55C-0561

Sheet  
Reference  
Number

QUAY WALL REPAIR

Sheet 3 of 17

FILE NAME : 03\_DANA\_Wall Repair.dgn

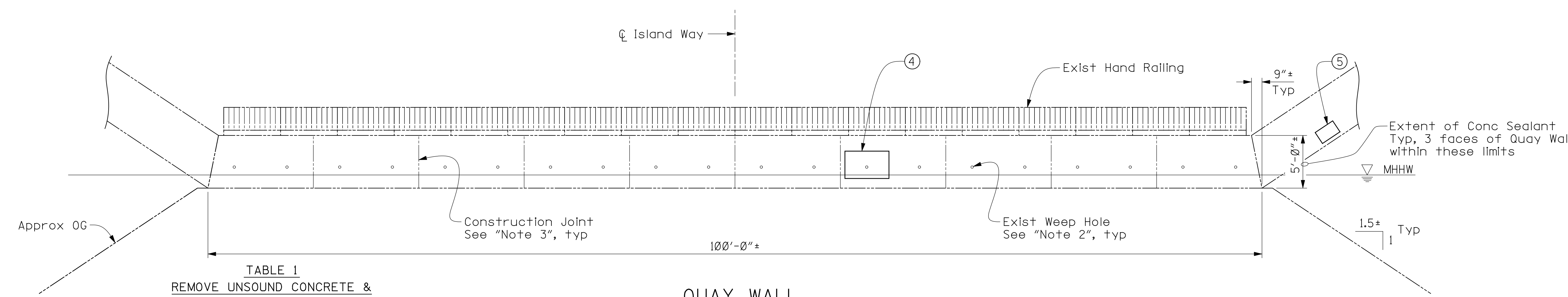
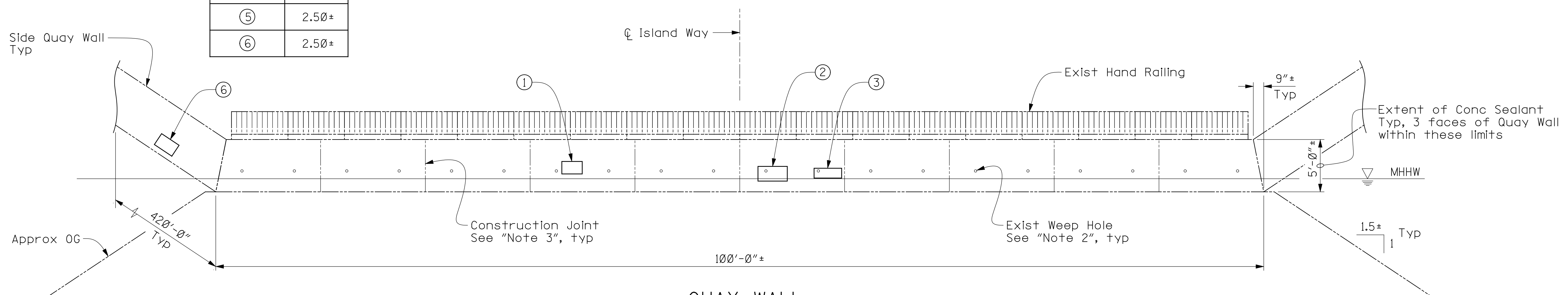


TABLE 1  
REMOVE UNSOUND CONCRETE &  
CONSTRUCT FORMED PATCHES

LOCATION	AREA (SQ FT)
①	2.31±
②	3.93±
③	2.46±
④	10.80±
⑤	2.50±
⑥	2.50±

QUAY WALL  
ABUTMENT 5 ELEVATION  
3/16" = 1'-0"



QUAY WALL  
ABUTMENT 1 ELEVATION  
3/16" = 1'-0"

NO AS BUILT CHANGES

LEGEND

④ Location of remove unsound concrete and construct formed patches, see Table 1

Notes:

- Depth of removal shall be minimum of one inch behind wall reinforcement. For details, see "Concrete Removal & Repair Details" sheet.
- Existing weep holes shall be formed and extended through formed patches.
- If removal of unsound concrete extends across existing crack control and expansion joints, those joints shall be reconstructed in the formed patches. See "Concrete Removal & Repair Details" sheet for details.
- Unsound Concrete not shown shall be determined by the Engineer

QUANTITIES

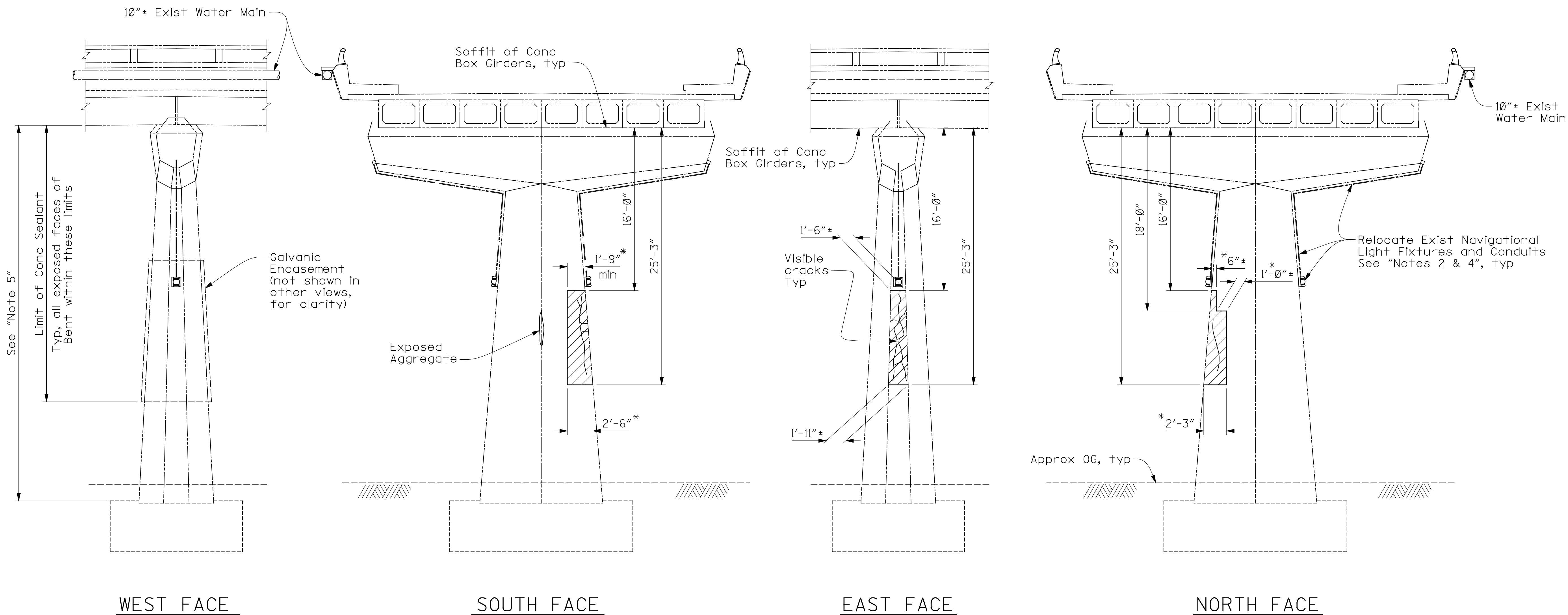
MANUFACTURER TECHNICAL ASSISTANCE .....	LUMP	SUM
TEMPORARY COFFERDAM SYSTEM .....	LUMP	SUM
REMOVE UNSOUND CONCRETE .....	153	CF
VERTICAL AND OVERHEAD FORMED PATCHES .....	81	CF
BAR REINFORCING STEEL (BRIDGE) .....	570	LB
FURNISH AND APPLY SILOXANE EMULSION CONCRETE SEALANT .....	12,319	SQFT
FURNISH AND INSTALL EMBEDDED GALVANIC ANODES.....	99	EA
FURNISH AND INSTALL GALVANIC ENCASEMENT .....	1,133	SQFT
FURNISH AND INSTALL BULK ALUMINUM ANODES .....	6	EA

Note:  
The Contractor shall verify all  
controlling field dimensions before  
ordering or fabricating any material.

STANDARD PLANS, DATED MAY 2006

A10A	ACRONYMS AND ABBREVIATIONS (SHEET 1 OF 2)
A10B	ACRONYMS AND ABBREVIATIONS (SHEET 2 OF 2)
A10C	SYMBOLS (SHEET 1 OF 2)
A10C	SYMBOLS (SHEET 2 OF 2)
B0-1	BRIDGE DETAILS
B0-3	BRIDGE DETAILS
B6-21	JOINT SEALS (MAXIMUM MOVEMENT RATING = 2")



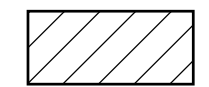


Galvanic Encasement  
not shown for clarity  
See "Note 3"

**BENT 2 CONCRETE REPAIR**

$\frac{3}{16}" = 1'-0"$

**LEGEND**

- Indicates existing structure
- Indicates new construction
-  Indicates areas to remove unsound concrete. Construct formed patches in areas outside extent of galvanic encasement.

Note:  
The Contractor shall verify all  
controlling field dimensions before  
ordering or fabricating any material.

\* Dimension shown is measured  
along the face of Column

**Notes:**

- Concrete sealant shall be applied to all exposed vertical and underside concrete surfaces of Column and Bent Cap as shown.
- Light Fixtures and Conduits to be protected from application of concrete sealant.
- See "Cathodic Protection Encasement Details" sheet for details of Galvanic Encasement.
- For Navigational Light Fixture Relocation Detail, see "Concrete Removal & Repair Details" sheet.
- Only staggered ultimate-butt welded splices are allowed in column reinforcement.

**NO AS BUILT CHANGES**



MARK	DESCRIPTION	DATE	APPR.

PREPARED UNDER THE RESPONSIBLE CHARGE OF:

**REGISTERED PROFESSIONAL ENGINEER**  
ROBERT A. PRICE  
No. 56855  
Exp. 6/30/15  
CIVIL  
SITE OF CALIFORNIA

*Robert A. Price*  
ROBERT A. PRICE

DATE: 09/20/13

DESIGNED BY: R. PRICE	CHECKED BY: T. DUDLEY	FILE NAME: 999 W. Town & Country Road Orange, CA 92668 (714) 567-2501
DRAWN BY: R. ANDRASEK	DRAWING CODE:	SCALE: AS SHOWN
ORANGE COUNTY PUBLIC WORKS	PREPARED BY: AECOM	PLOT DATE: 9/17/2013

MAINTENANCE OF VARIOUS  
BRIDGES IN ORANGE COUNTY

**ISLAND WAY BRIDGE  
IN DANA POINT HARBOR  
REHABILITATION**  
BR. NO. 55C-0561





MARK	DESCRIPTION	DATE	APPR.

PREPARED UNDER THE RESPONSIBLE CHARGE OF:

REGISTERED PROFESSIONAL ENGINEER  
ROBERT A. PRICE  
No. 56855  
Exp. 6/30/15  
CIVIL  
STATE OF CALIFORNIA

09/20/13  
DATE

Robert A. Price  
ROBERT A. PRICE

DESIGNED BY:  
R. PRICE

DRAWN BY:  
R. ANDRASEK

CHECKED BY:  
T. DUDLEY

DRAWING CODE:

FILE NAME:

PLOT DATE:  
9/7/2013

SCALE:  
AS SHOWN

ORANGE COUNTY  
PUBLIC WORKS

PREPARED BY:  
AECOM  
999 W. Town & Country Road  
Orange, CA 92668  
(714) 567-2501

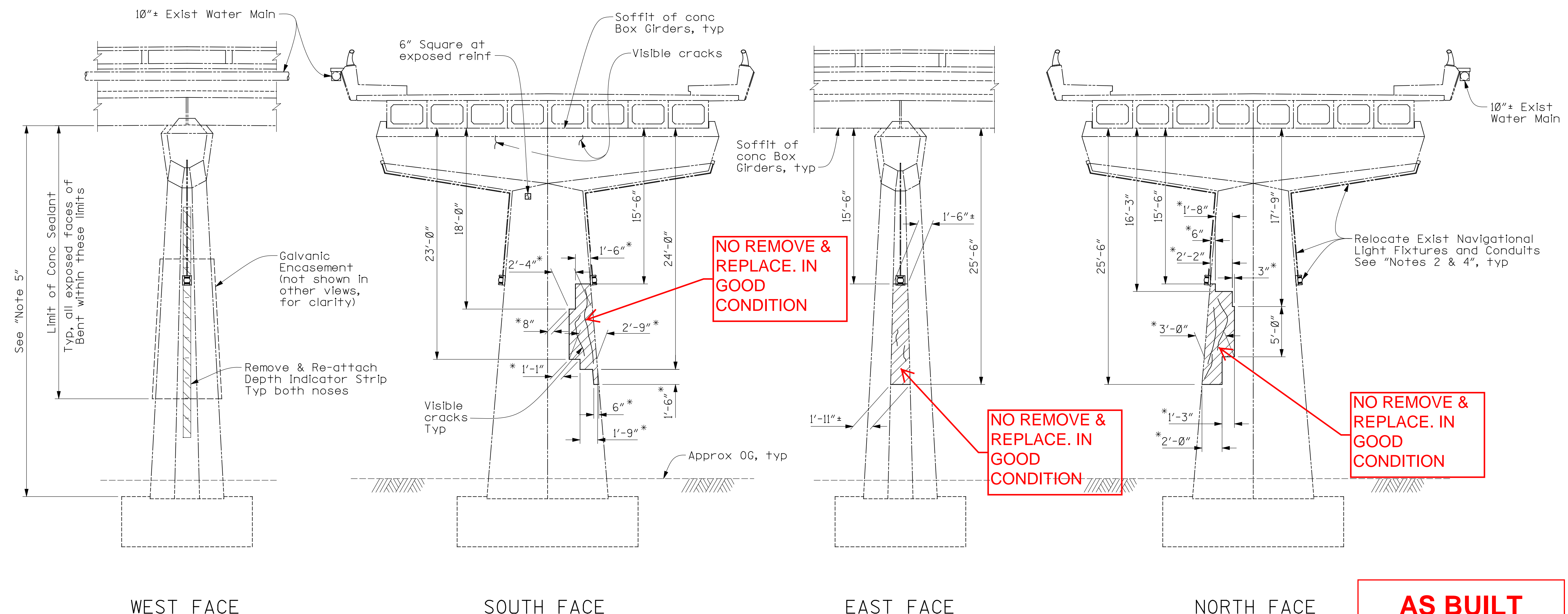
MAINTENANCE OF VARIOUS  
BRIDGES IN ORANGE COUNTY

ISLAND WAY BRIDGE  
IN DANA POINT HARBOR  
REHABILITATION  
BR. NO. 55C-0561

Sheet  
Reference  
Number

BENT 3  
CONCRETE REPAIR

Sheet 5 of 17



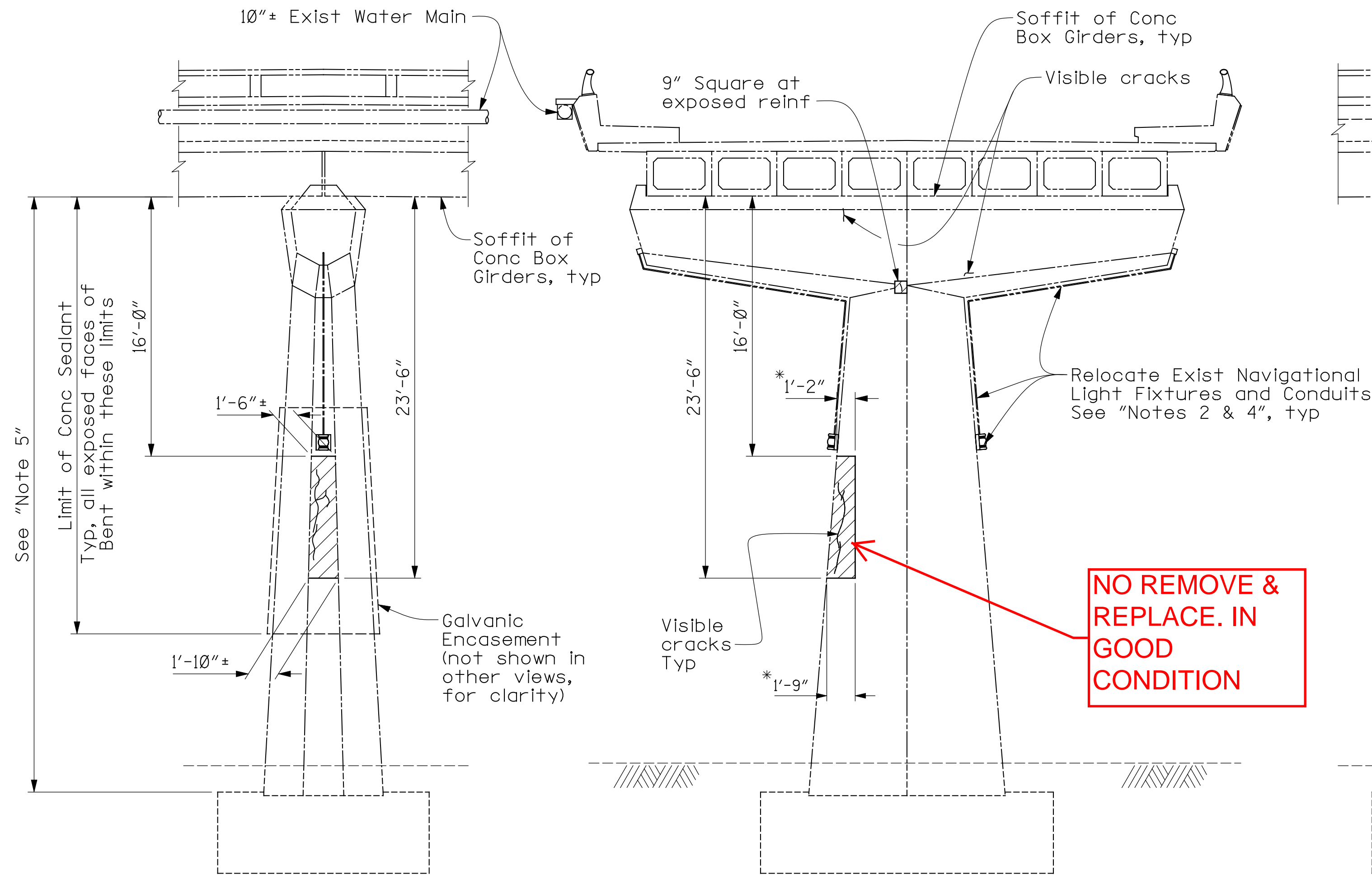
Note:  
The Contractor shall verify all  
controlling field dimensions before  
ordering or fabricating any material.

- LEGEND
- Indicates existing structure
  - Indicates new construction
  - Indicates areas to remove unsound concrete. Construct formed patches in areas outside extent of galvanic encasement.

- Notes:
- Concrete sealant shall be applied to all exposed vertical and underside concrete surfaces of Column and Bent Cap as shown.
  - Light Fixtures and Conduits to be protected from application of concrete sealant.
  - See "Cathodic Protection Encasement Details" sheet for details of Galvanic Encasement.
  - For Navigational Light Fixture Relocation Detail, see "Concrete Removal & Repair Details" sheet.
  - Only staggered ultimate-butt welded splices are allowed in column reinforcement.

FILE NAME : 05\_DANA\_Bent 3.dgn





WEST FACE

SOUTH FACE

Galvanic Encasement  
not shown for clarity  
See "Note 3"

### BENT 4 CONCRETE REPAIR

$\frac{3}{16}" = 1'-0"$

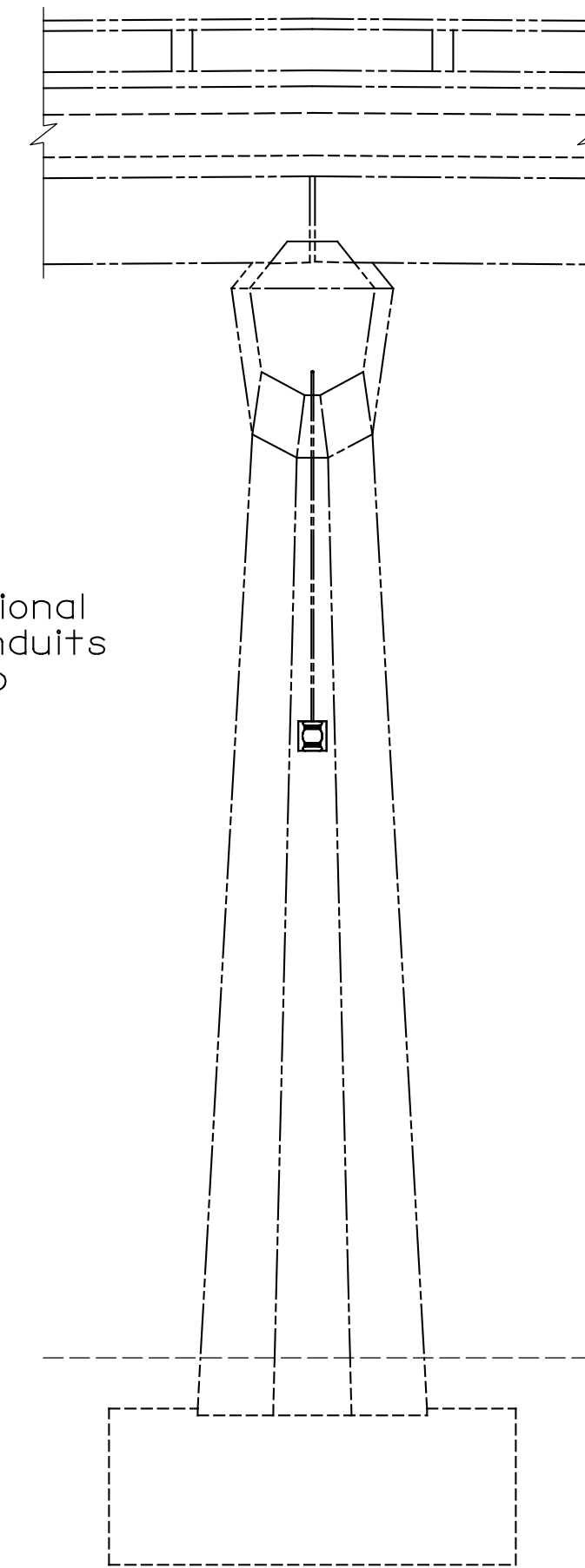
#### LEGEND

----- Indicates existing structure

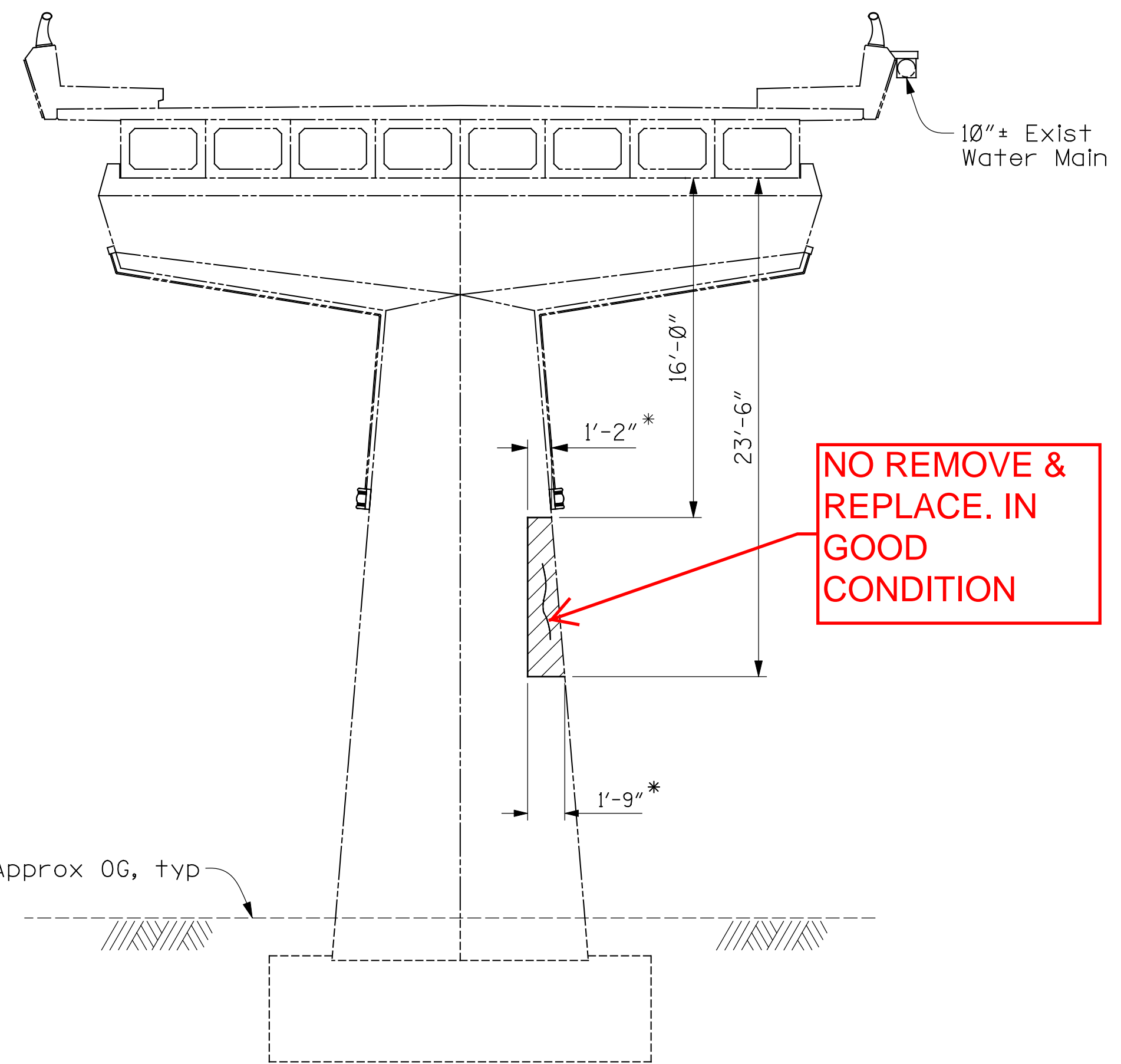
———— Indicates new construction

 Indicates areas to remove  
unsound concrete. Construct  
formed patches in areas outside  
extent of galvanic encasement.

Note:  
The Contractor shall verify all  
controlling field dimensions before  
ordering or fabricating any material.



EAST FACE



NORTH FACE

**AS BUILT**

CORRECTION BY: RM/PW  
CONTRACT NO.: ER09344  
DATE: 06/09/2014

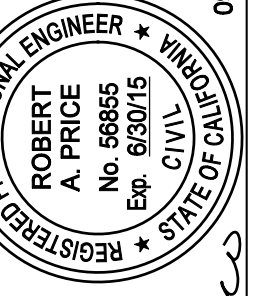
\* Dimension shown is measured  
along the face of Column

#### Notes:

- Concrete sealant shall be applied to all exposed vertical and underside concrete surfaces of Column and Bent Cap as shown.
- Light Fixtures and Conduits to be protected from application of concrete sealant.
- See "Cathodic Protection Encasement Details" sheet for details of Galvanic Encasement.
- For Navigational Light Fixture Relocation Detail, see "Concrete Removal & Repair Details" sheet.
- Only staggered ultimate-butt welded splices are allowed in column reinforcement.



MARK	DESCRIPTION	DATE	APPR.

PREPARED UNDER THE RESPONSIBLE CHARGE OF:  
  
Robert A. Price  
ROBERT A. PRICE

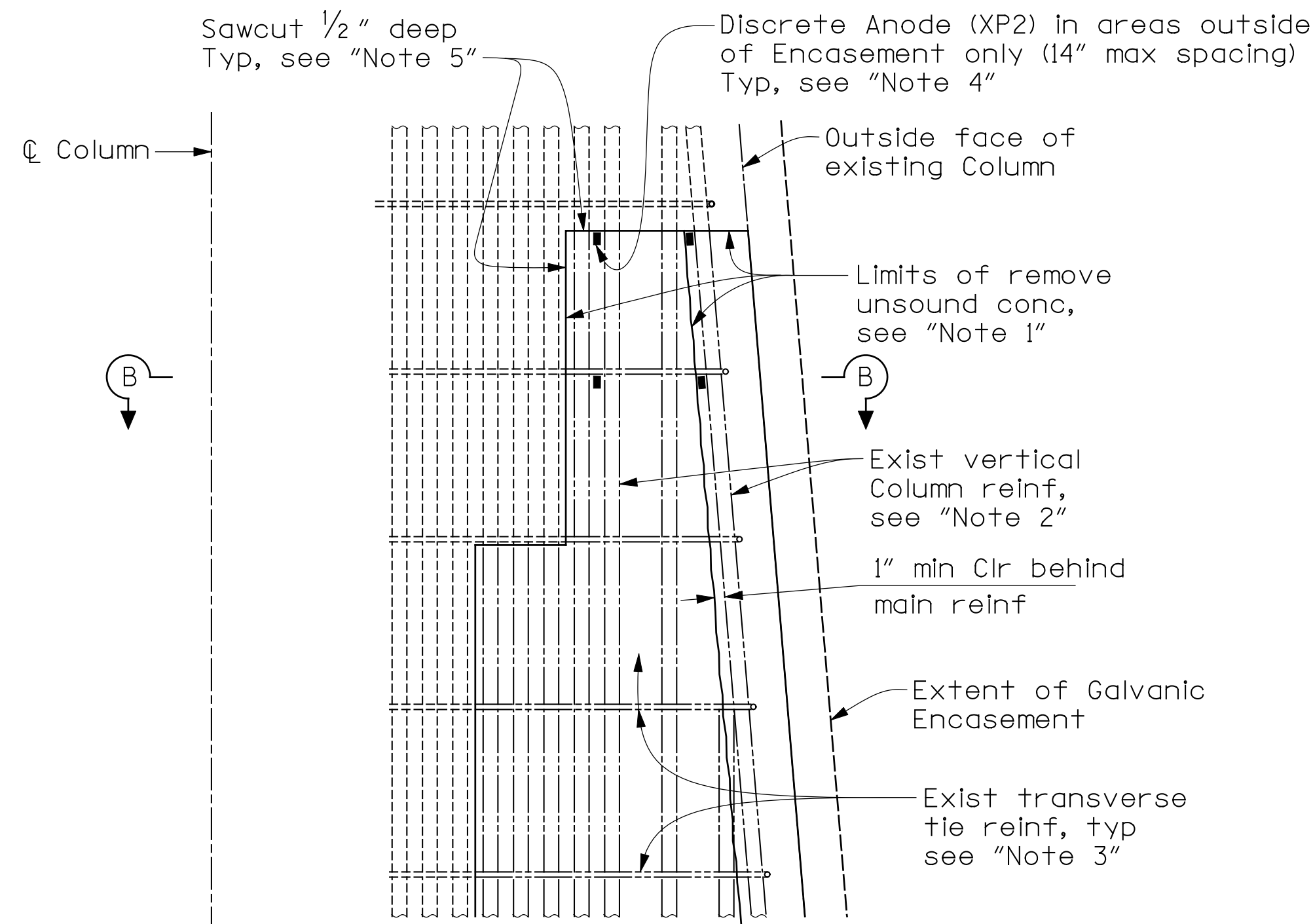
DESIGNED BY: R. PRICE  
DRAWN BY: R. ANDRASEK  
CHECKED BY: T. DUDLEY  
DRAWING CODE:  
FILE NAME:  
PLOT DATE: 9/7/2013  
SCALE: AS SHOWN  
ORANGE COUNTY  
PUBLIC WORKS  
PREPARED BY:  
AECOM  
999 W. Town & Country Road  
Orange, CA 92668  
(714) 567-2501

MAINTENANCE OF VARIOUS  
BRIDGES IN ORANGE COUNTY  
ISLAND WAY BRIDGE  
IN DANA POINT HARBOR  
REHABILITATION  
BR. NO. 55C-0561

Sheet  
Reference  
Number  
BENT 4  
CONCRETE REPAIR  
Sheet 6 of 17

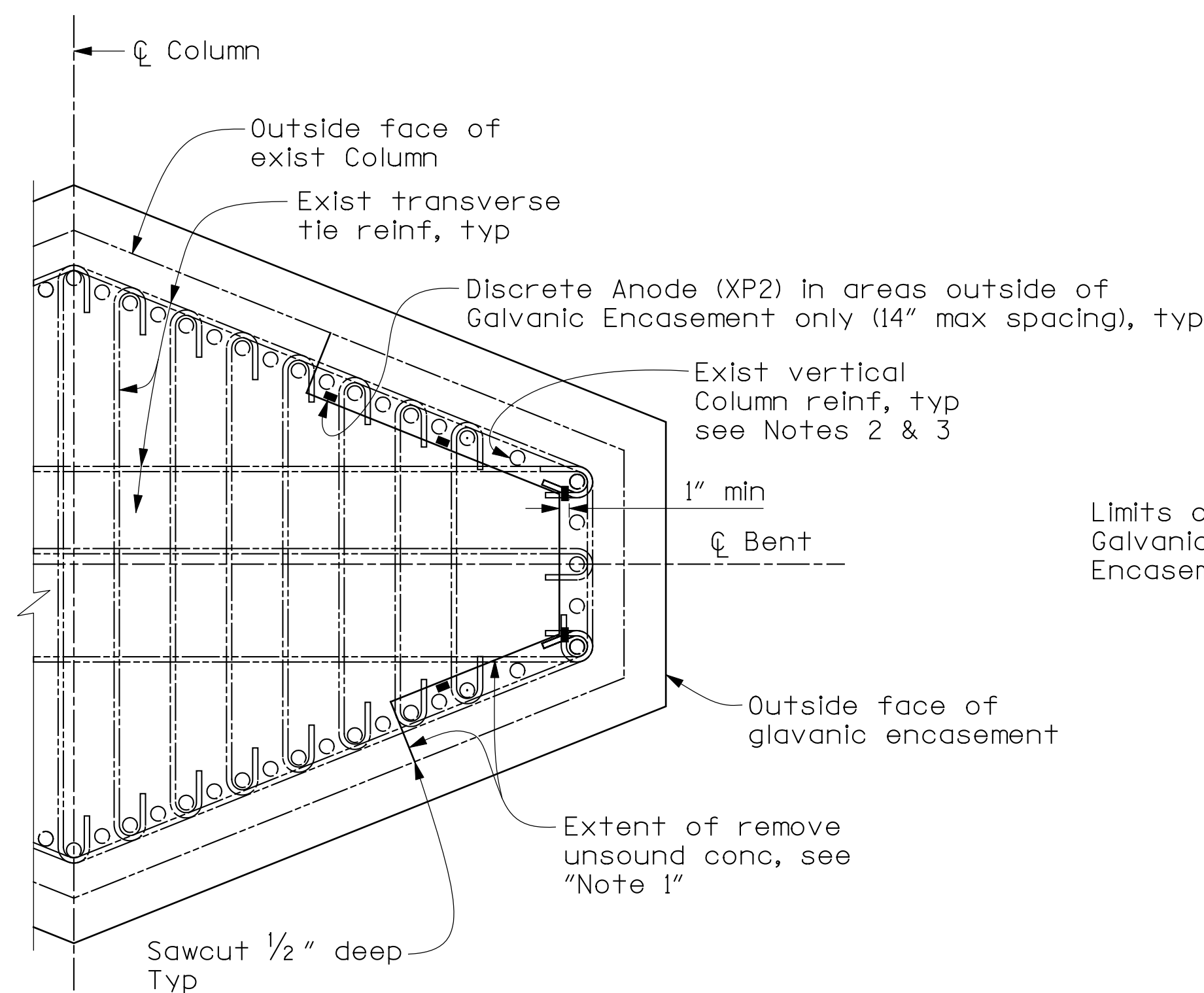
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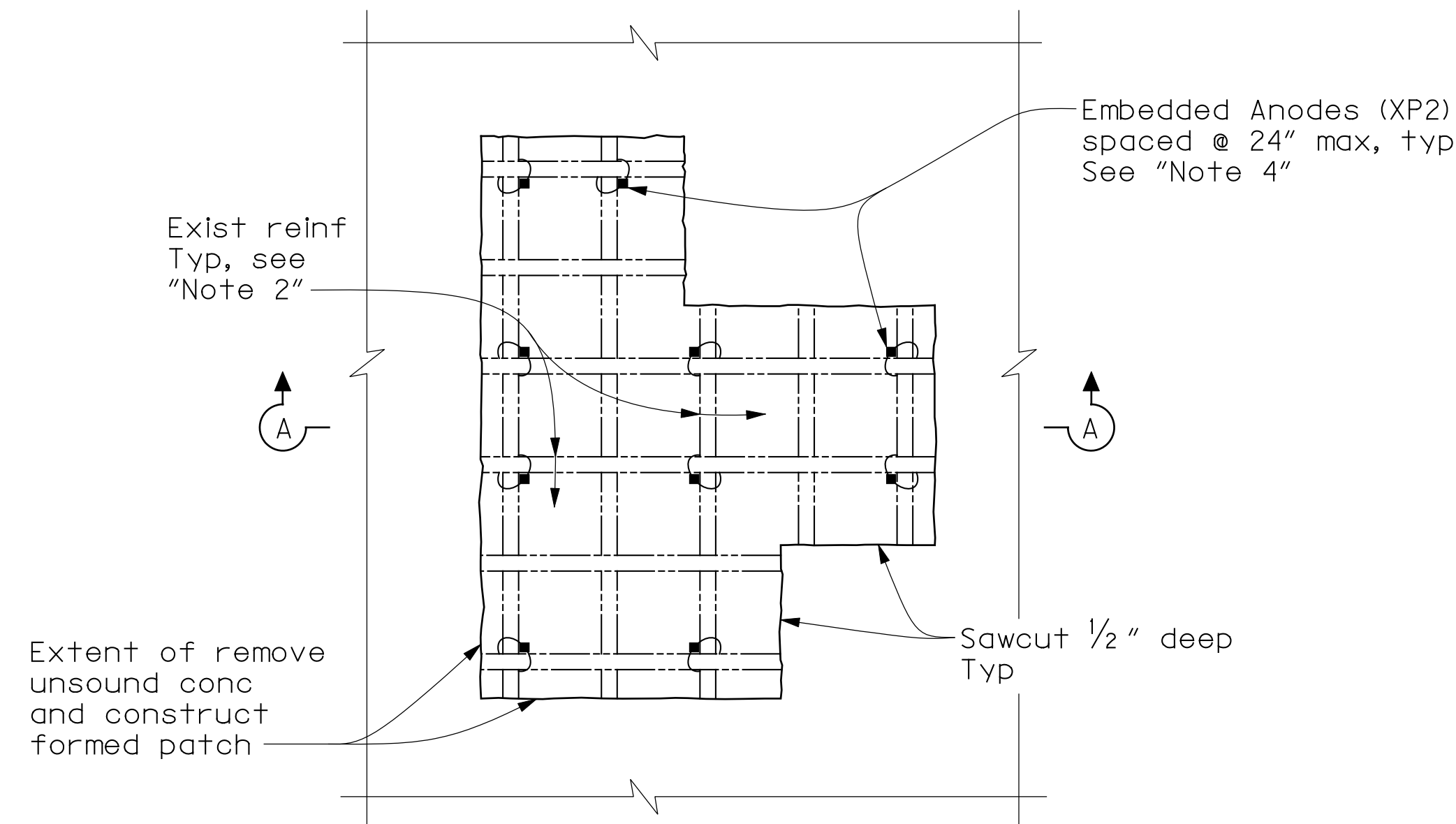
**COLUMN ELEVATION AT CORNER**  
1" = 1'-0"

**LEGEND**  
 - - - - - Indicates existing structure  
 ——— Indicates new construction  
 [Hatched Box] Indicates removal of exist Navigational Light Fixture and portion of Conduit.

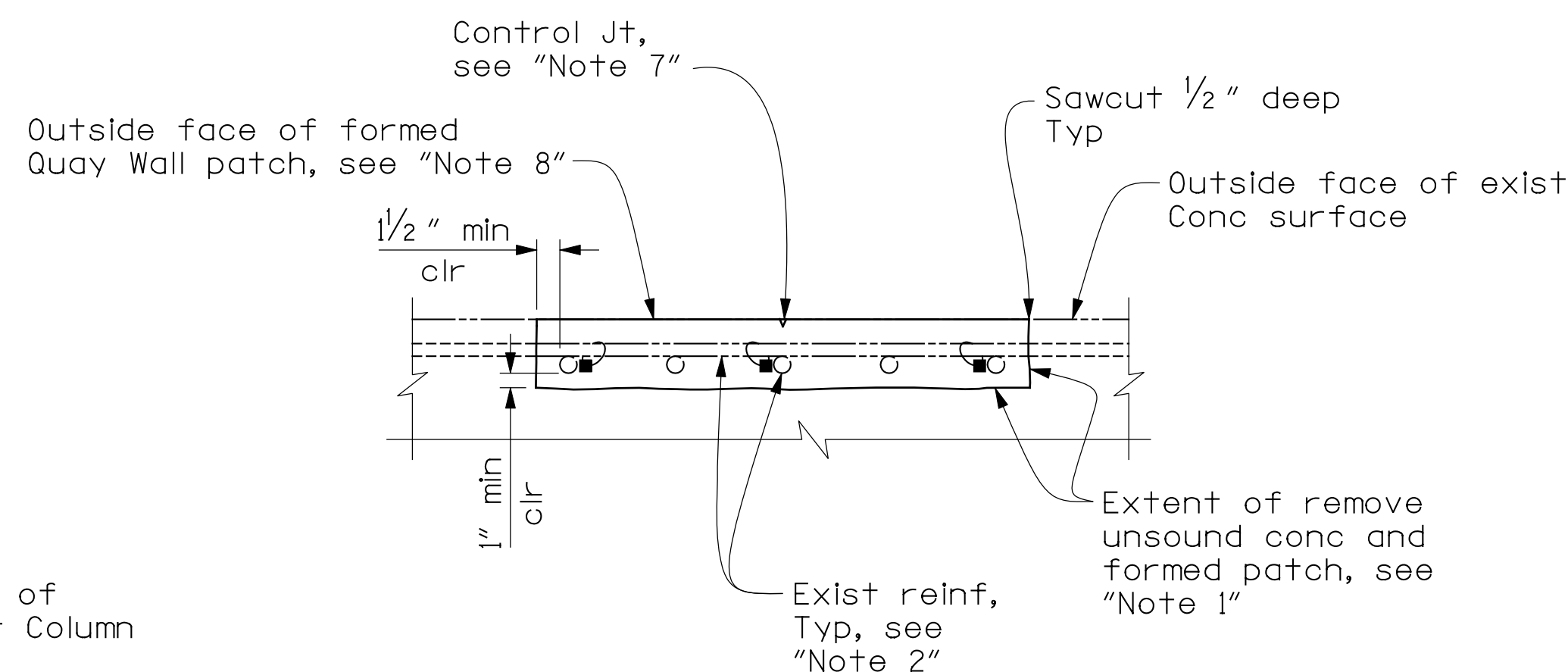


**SECTION B-B**  
1" = 1'-0"

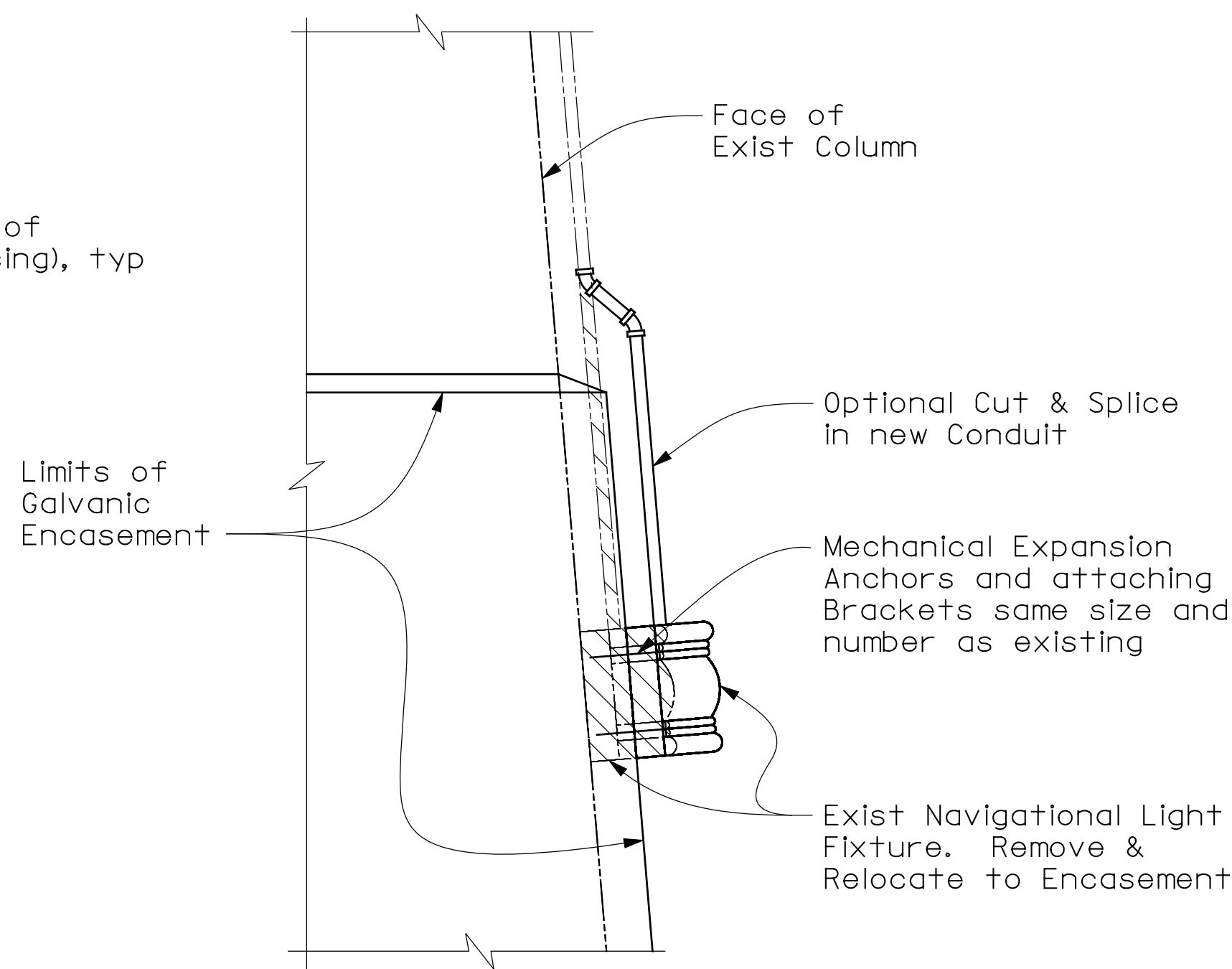
Note:  
The Contractor shall verify all controlling field dimensions before ordering or fabricating any material.



**TYPICAL QUAY WALL PATCH AREA ELEVATION**  
1" = 1'-0" See "Note 6"



**SECTION A-A**  
1" = 1'-0"



**NAVIGATIONAL LIGHT FIXTURE RELOCATION DETAIL**  
1" = 1'-0"

**Concrete Repair Notes:**

1. Remove damaged concrete as with standard repair methods.
2. Replace / clean corroded reinforcing steel.
3. Ensure all exposed reinforcing steel is securely fastened together with tie wire to provide good continuity.
4. Attach Galvashield XP2 anodes or approved equal to clean reinforcing steel at spacing shown.
5. Patch repair areas outside limits of galvanic encasement with material as per contract specifications.
6. Extend weepholes located within patched areas with same size pipe, secure and seal joint with tape.
7. Match control and expansion joints on either side through the patched areas. See Standard Plan B0-3.
8. Outside faces of formed concrete patches to match outside faces of existing concrete surfaces.

**NO AS BUILT CHANGES**



MARK	DESCRIPTION	DATE	APPR.

PREPARED UNDER THE RESPONSIBLE CHARGE OF:

**REGISTERED PROFESSIONAL ENGINEER**  
 ROBERT A. PRICE  
 No. 56855  
 Exp. 6/30/15  
 CIVIL  
 STATE OF CALIFORNIA

DATE: 09/20/13

*Robert A. Price*  
 ROBERT A. PRICE

DESIGNED BY: R. PRICE	CHECKED BY: T. DUDLEY	FILE NAME: 999 W. Town & Country Road Orange, CA 92668 (714) 567-2501
DRAWN BY: R. ANDRASEK	DRAWING CODE:	SCALE: AS SHOWN
ORANGE COUNTY PUBLIC WORKS		PREPARED BY: AECOM
		999 W. Town & Country Road Orange, CA 92668 (714) 567-2501

MAINTENANCE OF VARIOUS BRIDGES IN ORANGE COUNTY

**ISLAND WAY BRIDGE IN DANA POINT HARBOR REHABILITATION**  
 BR. NO. 55C-0561

Sheet Reference Number

**CONCRETE REMOVAL & REPAIR DETAILS**

Sheet 7 of 17

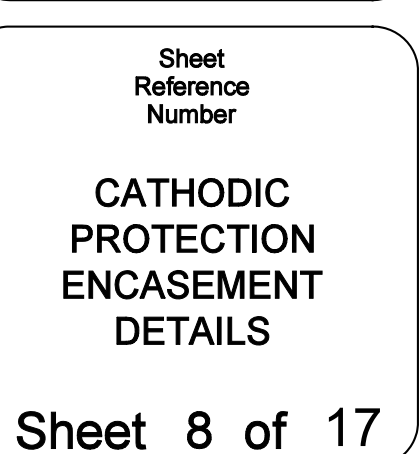




SECTION C-C  
No Scale

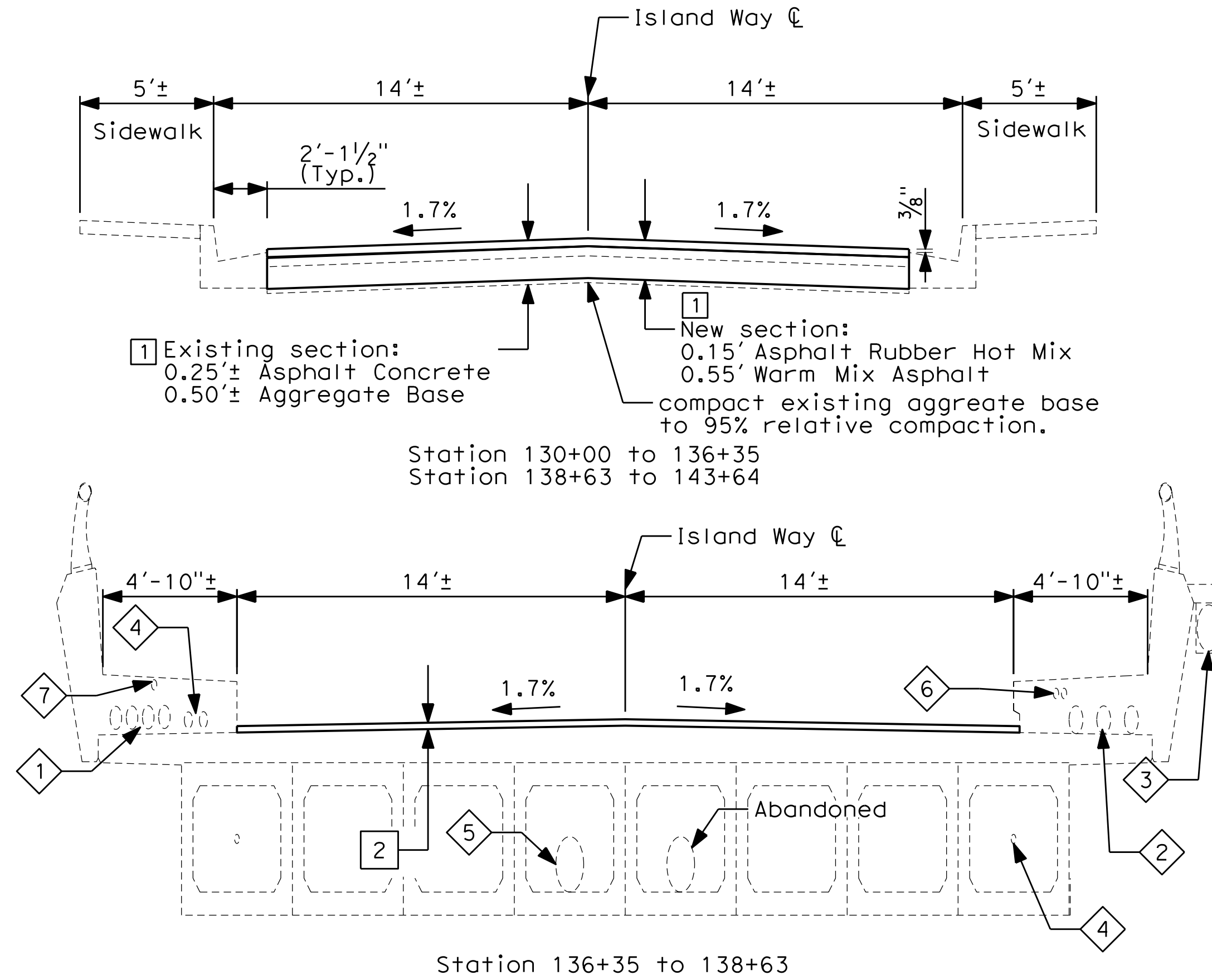
CORRECTION BY: RM/PW  
CONTRACT NO.: ER09344  
DATE: 06/09/2014

5. Install Non-Metallic reinforcing grid or mesh.
6. Install bulk aluminum anodes minimum one foot below bottom of jacket. Connect anode wire to reinforcing steel connections. Seal all connections with 100% non-conductive epoxy.
7. Install temporary forms including temporary bottom form and all bracing.
8. Pump concrete into temporary forms to encapsulate anodes and fill annular space.



**FILE NAME: 08\_DANA\_Encasement Dets.dgn**





ISLAND WAY  
TYPICAL CROSS SECTIONS

CONSTRUCTION NOTE

- 1 Remove and reconstruct pavement section per typical cross sections on Sheet PP-1.
- 2 Remove existing asphalt concrete overlay, remove concrete deck surface (1/2"), prime coat methacrylate resin to bridge deck, and overlay with polyester concrete 2 1/2" min.
- 3 Remove and clean sealed joint, and construct new sealed joint per Sealed Joint detail on Sheet D-1.
- 4 Remove existing and construct curb ramp type 4 per OCPW Standard Plan 1115.
- 5 Remove existing and construct curb inlet pipe per detail on Sheet D-1.

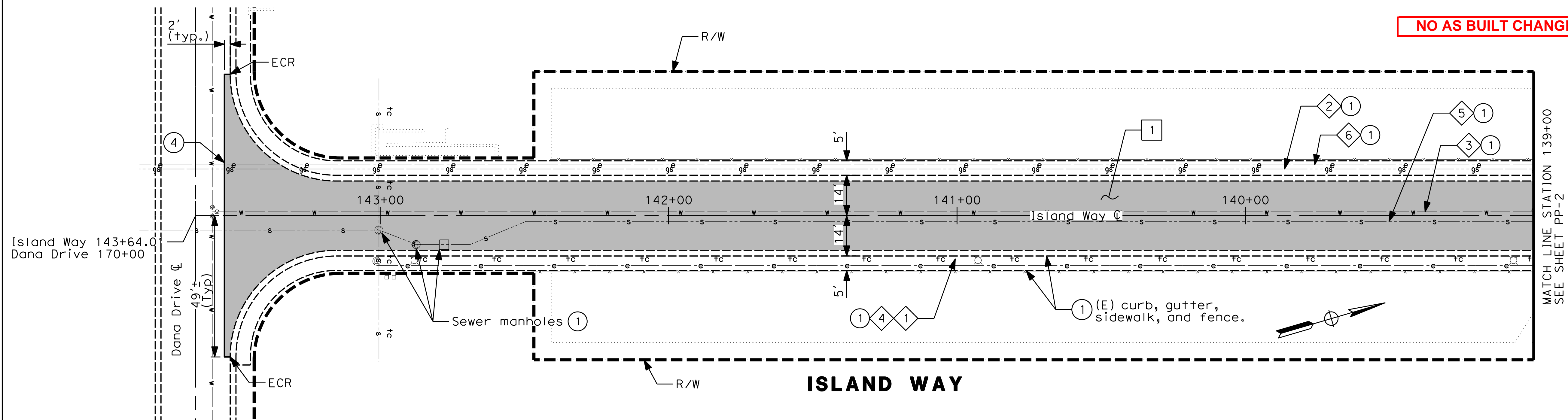
LEGEND

- Existing  
———— New construction
- 1 Protect in place
  - 2 Remove
  - 3 Replaced
  - 4 Sawcut and join existing

UTILITY LEGEND

- 1 4x5"± Exist Electrical Conduits (S.D.G.E.)  
2x3 1/2"± Exist Telephone Conduits (Pac Bell)
- 2 3x6"± Exist Conduits, 1 with 2"± (S.C.G.)
- 3 10"± Exist Water Main (SCWD)
- 4 Cable TV (Cox Communications)
- 5 8"± Exist Sewer Line (SCWD)
- 6 2x1 1/4" Electrical Conduits (County)
- 7 1x1 1/4" Electrical Conduits (County)

Note: except shown otherwise, protect in place all existing utility, curb and gutter, sidewalk and fence.

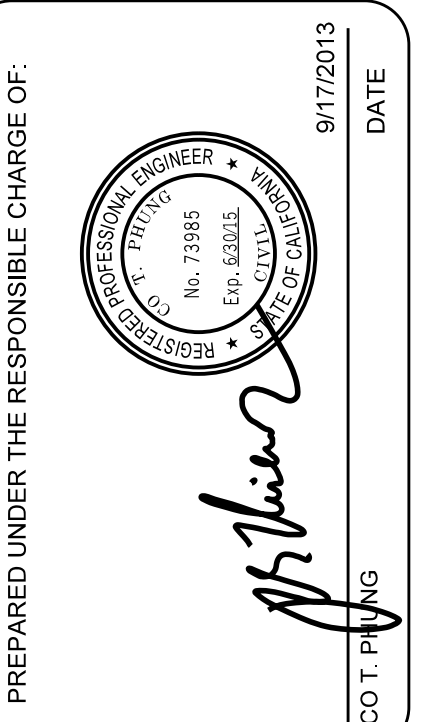


Note:  
The Contractor shall verify all  
controlling field dimensions before  
ordering or fabricating any material.

PLAN  
Scale 1" = 20'



MARK	DESCRIPTION	DATE	APPR.

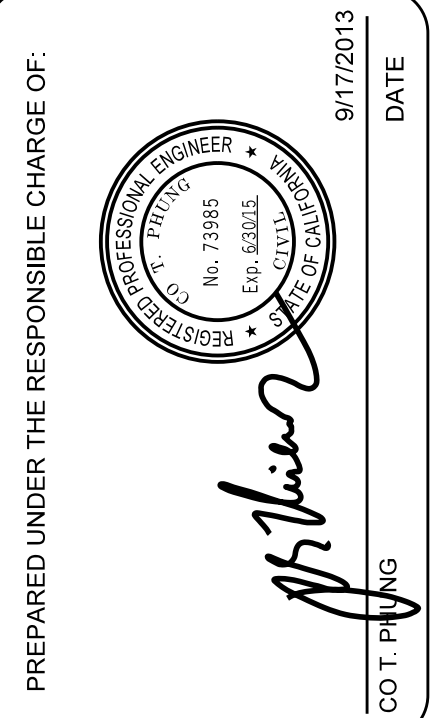
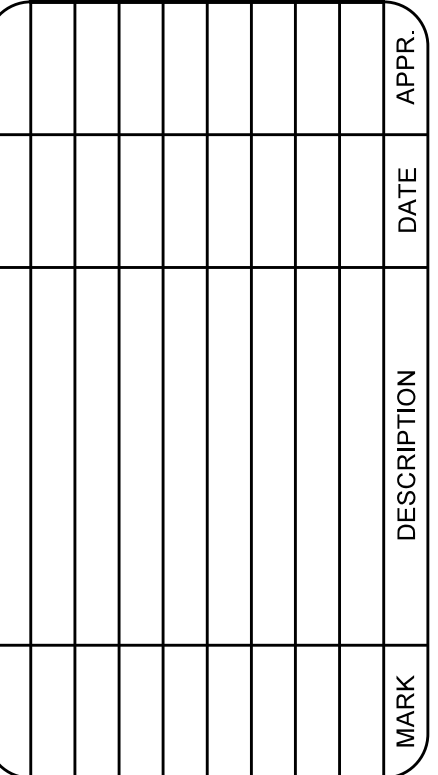


DESIGNED BY: C. PHUNG	CHECKED BY: E. FRONDOSO	FILE NAME:	SCALE: AS SHOWN
DRAWN BY: C. PHUNG	DRAWING CODE:	PLOT DATE: \$DATE	
ORANGE COUNTY PUBLIC WORKS	PREPARED BY: OC PUBLIC WORKS CAPITAL PROJECTS		

MAINTENANCE OF VARIOUS BRIDGES IN ORANGE COUNTY	ISLAND WAY IN DANA POINT HARBOR REHABILITATION
--	--

Sheet Reference Number  <b>PP-1</b>
Sheet 9 of 17





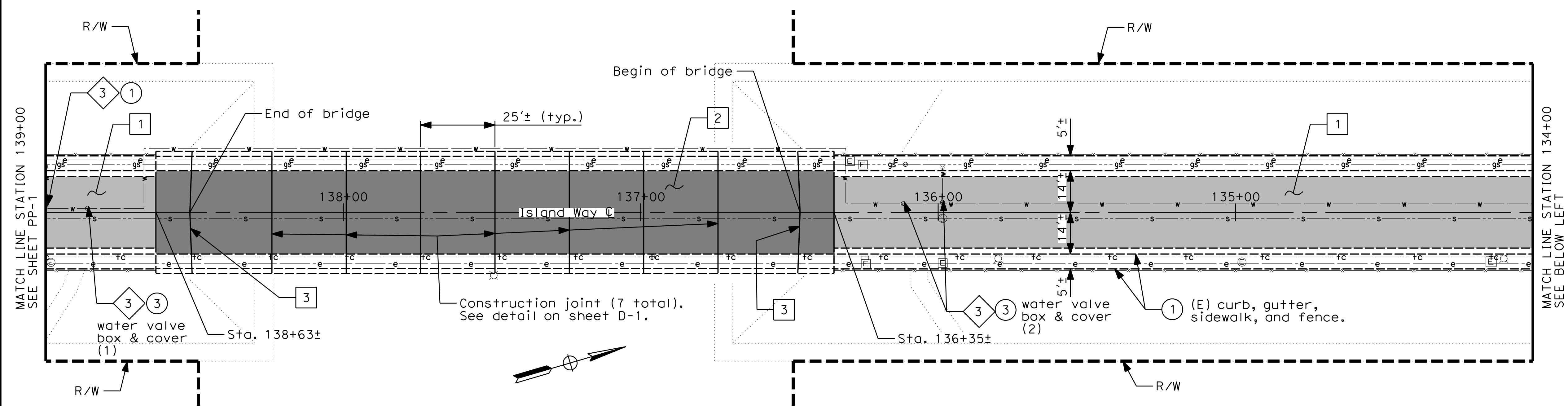
<div> <div>ORANGE COUNTY</div> <div>PUBLIC WORKS</div> </div>	DESIGNED BY:		C. PHUNG	GHECKED
				E. FRONDOSO
<div> <div>PREPARED BY:</div> <div>OC PUBLIC WORKS CAPITAL PROJECTS</div> </div>	DRAWING CODE:			
	FILE NAME:			
	PLOT DATE:			SCALE:
	SDATE			AS SHOWN

MAINTENANCE OF VARIOUS  
BRIDGES IN ORANGE COUNTY

Sheet  
Reference  
Number

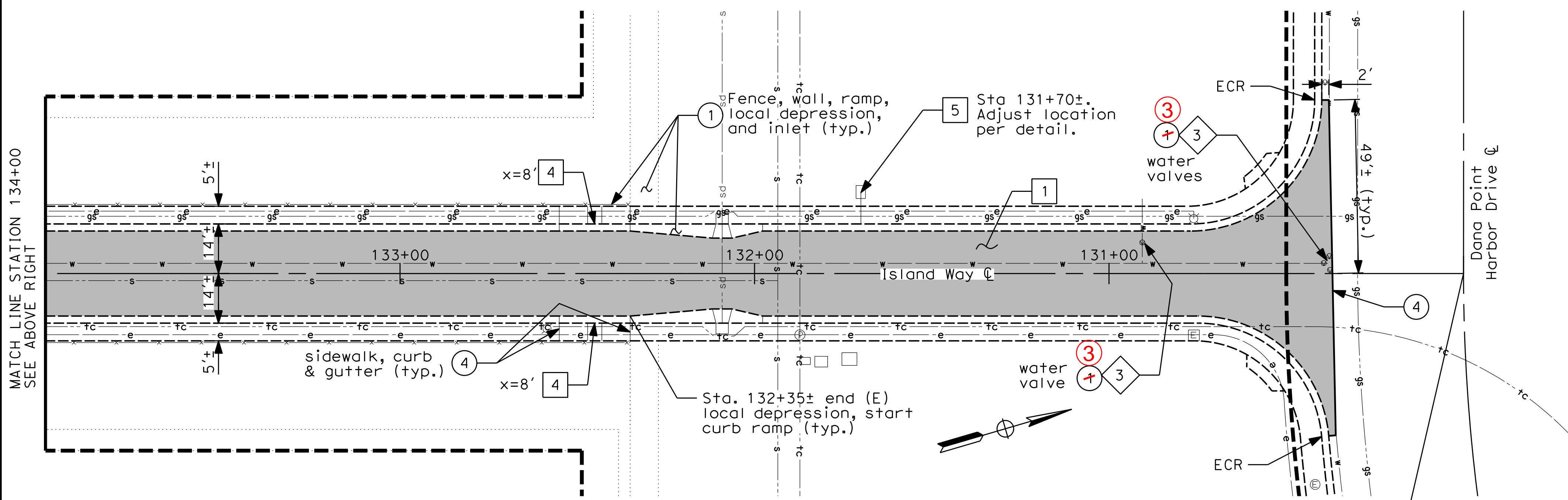
**PP-2**

Sheet 10 of 17



# ISLAND WAY PLAN

Scale 1" = 20'



# ISLAND WAY PLAN

Scale 1" = 20'

Note:  
The Contractor shall verify all  
controlling field dimensions before  
ordering or fabricating any material.

<b>AS BUILT</b>	
CORRECTION BY:	RM/PW
CONTRACT NO.:	ER09344
DATE:	06/09/2014

- ### CONSTRUCTION NOTE
- 1 Remove and reconstruct pavement section per typical cross sections on Sheet PP-1.
  - 2 Remove existing asphalt concrete overlay, remove concrete deck surface (1/2"), prime coat methacrylate resin to bridge deck, and overlay with polyester concrete 2 1/2" min.
  - 3 Remove and clean sealed joint, and construct new sealed joint per Sealed Joint detail on Sheet D-1.
  - 4 Remove existing and construct curb ramp type 4 per OCPW Standard Plan 1115.
  - 5 Remove existing and construct curb inlet pipe per detail on Sheet D-1.

- LEGEND**
- Existing  
—— New construction
- ① Protect in place  
② Remove  
③ Replaced  
④ Sawcut and join existing

- ### UTILITY LEGEND
- |   |  |
|---|--|
| 1 | 4x5"± Exist Electrical Conduits (S.D.G.E.) |
| 2 | 2x3½"± Exist Telephone Conduits (Pac Bell) |
| 2 | 3x6"± Exist Conduits, 1 with 2"± (S.C.G.)  |
| 3 | 10"± Exist Water Main (SCWD)               |
| 4 | Cable TV (Cox Communications)              |
| 5 | 8"± Exist Sewer Line (SCWD)                |
| 6 | 2x1¼" Electrical Conduits (County)         |
| 7 | 1x1¼" Electrical Conduits (County)         |

Note: except shown otherwise, protect in place all existing utility, curb and gutter, sidewalk and fence.


FILE NAME: \$REQUEST









TRAFFIC SIGN LEGEND




C9A(CA)  
(36" x 36")




C30(CA)  
(36" x 36")



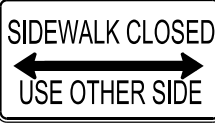
R1-1  
(30" x 30")




R3-18  
(36" x 36")



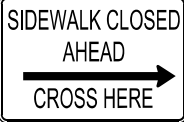
R9-9  
(24" x 12")




R9-10  
(24" x 12")




R9-11L  
(24" x 12")




R9-11R  
(24" x 12")




W1-6L  
(48" x 24")




W1-6R  
(48" x 24")




W3-1  
(36" x 36")




W11-2  
(36" x 36")




W16-7PL  
(24" x 12")




W20-1  
(36" x 36")



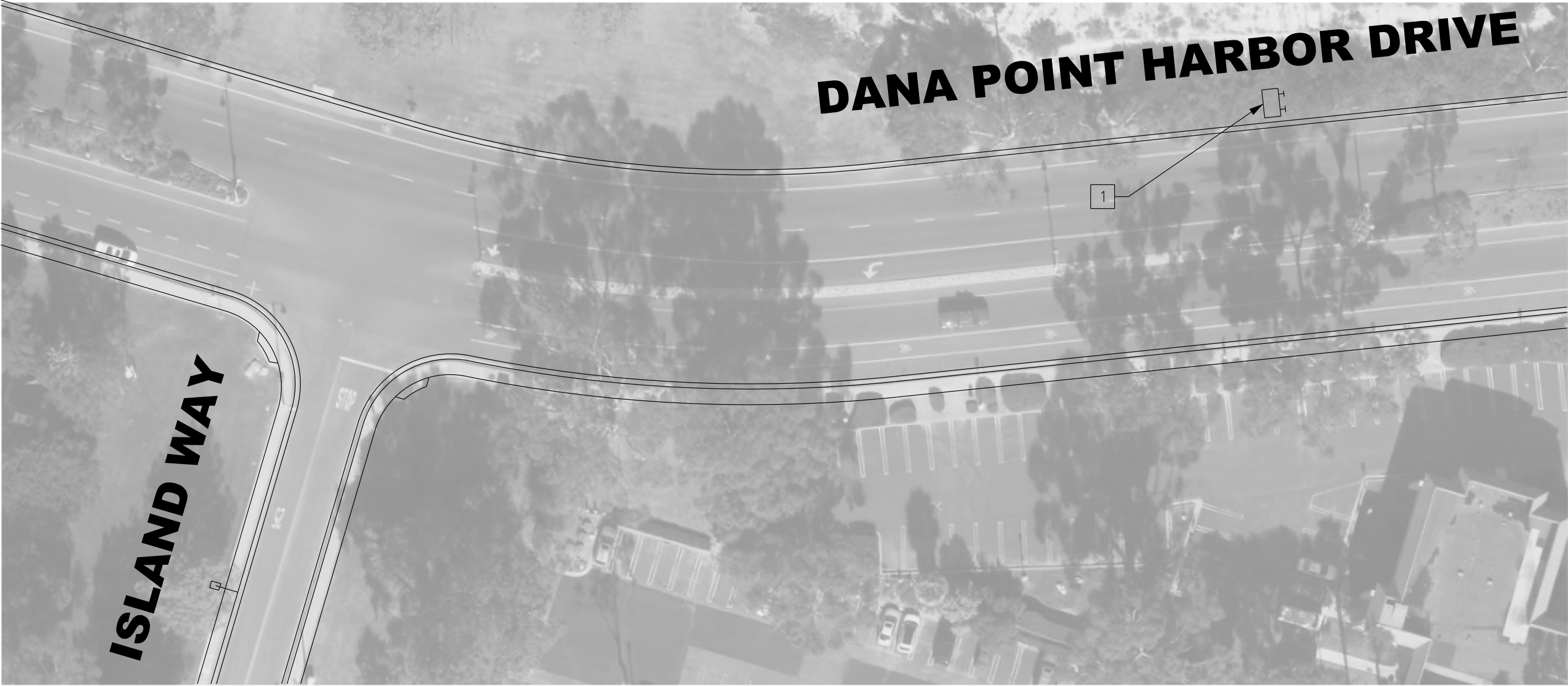
W20-2  
(36" x 36")



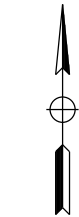
W20-4  
(36" x 36")



W20-5L  
(36" x 36")



PCMS PLAN  
NOT TO SCALE



PORTABLE CHANGABLE MESSAGE SIGN NOTES:

1. CONTRACTOR SHALL PROGRAM EACH SCREEN OF ALL PORTABLE CHANGEABLE MESSAGE SIGNS TO FLASH FOR TWO (2) SECONDS.

\* TWO WEEKS PRIOR TO CONSTRUCTION

SCREEN 1						
	I	S	L	A	N	D
	W	A	Y			
	C	O	N	S	T	

\* DURING CONSTRUCTION

SCREEN 2						
X	X	/	X	X	/	X
			T	O		
X	X	/	X	X	/	X

SCREEN 1						
	I	S	L	A	N	D
	W	A	Y			
	C	O	N	S	T	

SCREEN 2						
	E	X	P	E	C	T
	D	E	L	A	Y	S

CONSTRUCTION NOTES

1. INSTALL PORTABLE CHANGEABLE MESSAGE SIGN (PCMS). DISPLAY MESSAGE PER PLAN.

LEGEND



TYPE III BARRICADE



SIGN (PER 2012 CA MUTCD)



DELINEATOR (42" MIN. HEIGHT, SPACED 25' APART)



PORTABLE CHANGEABLE MESSAGE SIGN (PCMS)



FLAGGER



WORK AREA



DIRECTION OF TRAFFIC (NOT A PAVEMENT MARKING)



SIGNALIZED INTERSECTION

GENERAL NOTES:

- WORKING HOURS WITHIN THE PUBLIC RIGHT OF WAY: 7:00 AM - 3:30 PM, MONDAY THROUGH FRIDAY.
- ALL TRAFFIC CONTROL DEVICES SHALL CONFORM TO THE LATEST EDITIONS OF THE STATE OF CALIFORNIA DEPARTMENT OF TRANSPORTATION STANDARD PLANS AND SPECIFICATIONS, THE CALIFORNIA MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES, THE PROJECT SPECIAL PROVISIONS, AND THESE PLANS.
- THE CONTRACTOR SHALL MAINTAIN ALL TRAFFIC CONTROL DEVICES AND PAVEMENT MARKINGS/STRIPING NOT DIRECTLY AFFECTED BY THE ROADWAY RECONSTRUCTION OF ISLAND WAY AT ALL TIMES TO PRESERVE THEIR APPEARANCE AND CONTINUITY.
- THE ENGINEER RESERVES THE RIGHT TO OBSERVE THESE TRAFFIC CONTROL PLANS IN USE AND MAKE ANY CHANGES NECESSITATED BY FIELD CONDITIONS. ALL SUCH CHANGES SHALL SUPERCEDE THESE PLANS AND SHALL BE DONE SOLELY AT THE CONTRACTOR'S EXPENSE.
- UPON COMPLETION OF THIS PROJECT, THE CONTRACTOR SHALL REMOVE ALL TEMPORARY TRAFFIC CONTROL DEVICES AND RESTORE ALL PERMANENT SIGNING AND STRIPING IMPACTED BY CONSTRUCTION.
- ALL STRIPING, PAVEMENT MARKINGS, AND LEGENDS SHALL CONFORM TO THE LATEST EDITION OF THE CALTRANS STANDARD PLANS.
- SIGNS SHALL CONFORM TO THE LATEST EDITION OF THE CALIFORNIA MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES (CA MUTCD). SIGN SIZE SHALL BE AS PER THE CA MUTCD UNLESS OTHERWISE NOTED ON THE PLANS.
- ALL TEMPORARY STRIPING, PAVEMENT MARKINGS, AND LEGENDS SHALL BE IN PAINT.
- CONSTRUCTION OPERATIONS SHALL BE CONDUCTED IN SUCH A MANNER AS TO CAUSE AS LITTLE INCONVENIENCE AS POSSIBLE TO ABUTTING PROPERTY OWNERS. CONTRACTOR SHALL DISTRIBUTE ADVISORY NOTICES TO EACH BUSINESS, ASSOCIATION, OR RESIDENCE WHICH WILL BE AFFECTED BY CLOSURE OR RESTRICTION TO ACCESS. SAID NOTICES ARE IN THE FORM OF A DOOR KNOB CARD WHICH ARE FURNISHED BY THE COUNTY FOR ACTIVITIES THAT WOULD AFFECT ACCESS OPERATIONS AND THE CONTRACTOR SHALL FILL IN THE DAY AND DATE FOR SCHEDULED WORK AND DISTRIBUTE NOTICES AT LEAST 36 HOURS BUT NOT MORE THAN 72 HOURS, EXCLUDING SUNDAYS, PRIOR TO THE WORK. CONTRACTOR SHALL PROVIDE ACCESS OR TEMPORARY ACCESS TO ALL BUSINESS AND RESIDENTIAL DRIVEWAYS AT ALL TIMES.
- ALL TRAFFIC CONTROL DEVICES SHALL BE REMOVED FROM THE CONSTRUCTION SITE AT THE CLOSE OF EACH WORK DAY. ALL TRAFFIC CONTROL DEVICES NOT BEING USED SHALL BE STAGED IN DESIGNATED AREA ON-SITE TO BE APPROVED BY THE ENGINEER.
- ALL CONFLICTING STRIPING, PAVEMENT MARKINGS, SYMBOLS AND RAISED PAVEMENT MARKERS SHALL BE REMOVED BY A METHOD APPROVED BY THE ENGINEER PRIOR TO ANY CHANGE IN TRAFFIC PATTERN.
- TRAFFIC LANES ADJACENT TO THE WORK AREA SHALL HAVE AN 11' MINIMUM WIDTH AND SHALL MAINTAIN A 5' MINIMUM CLEARANCE FROM OPEN EXCAVATIONS AND A 2' MINIMUM CLEARANCE FROM VERTICAL OBSTRUCTIONS.
- CONTRACTOR SHALL POST UNEVEN LANE SYMBOL OR "STEEL PLATES AHEAD" SIGNS FOR PAVEMENT SURFACE DISRUPTIONS OF ½" OR GREATER. PAVEMENT DISRUPTIONS OF 1" OR GREATER SHALL HAVE BEVELED EDGES OF FOUR HORIZONTAL TO ONE VERTICAL (4:1). CONTRACTOR SHALL INSTALL "CAUTION STEEL PLATES AHEAD" SIGNS IN ADVANCE OF STEEL PLATES.
- PLACE ADDITIONAL LANE CLOSED (C30(CA)) SIGNS ON TYPE II BARRICADES AS DIRECTED BY THE ENGINEER THROUGHOUT EXTENDED WORK AREAS IN EACH LANE THAT IS CLOSED. INSTALL OPEN TRENCH (C27(CA)) SIGNS WHENEVER AN OPEN EXCAVATION AREA EXISTS ADJACENT TO THE TRAVELED WAY.
- THE CONTRACTOR SHALL MAINTAIN ALL PEDESTRIAN ACCESS AT ALL TIMES UNLESS NOTED ON THESE PLANS. SIGNS FOR PEDESTRIAN DETOURS SHALL BE MOUNTED ON A TYPE III BARRICADE. THE CONTRACTOR SHALL MAINTAIN ALL CURB RAMPS AND A CONTINUOUS PEDESTRIAN SAFE PATH OF TRAVEL AT ALL TIMES AND IN COMPLIANCE WITH THE AMERICAN DISABILITY ACT (ADA).
- THE CONTRACTOR SHALL COVER OR REMOVE ALL CONFLICTING SIGNS.
- THE FOLLOWING AGENCIES SHALL BE NOTIFIED FIVE (5) DAYS IN ADVANCE OF ANY DETOUR AND/OR CONSTRUCTION ACTIVITIES.

DANA POINT HARBOR

ORANGE COUNTY SHERIFF

HARBOR PATROL

(949) 923-3786

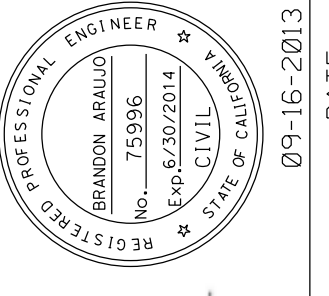
(949) 248-2222
- ACCESS TO DRIVEWAYS SHALL BE MAINTAINED AT ALL TIMES UNLESS OTHER ARRANGEMENTS HAVE BEEN MADE.
- ALL TEMPORARY TRAFFIC CONTROL WARNING SIGNS SHALL BE WITH BLACK LEGEND AND BORDER ON ORANGE BACKGROUND.

NO AS BUILT CHANGES



										APPR.
										DATE
										DESCRIPTION
										MARK

PREPARED UNDER THE RESPONSIBLE CHARGE OF:



BRANDON ARAUJO

DATE: 09-16-2013

DESIGNED BY: B. ARAUJO	CHECKED BY: L. SNOW
DRAWN BY: B. ARAUJO	DRAWING CODE:
FILE NAME:	PLOT DATE:
SCALE:	AS SHOWN
COUNTY OF ORANGE OC PUBLIC WORKS	PREPARED BY: OC ROAD TRAFFIC ENGINEERING

MAINTENANCE OF VARIOUS  
BRIDGES IN ORANGE COUNTY

SHEET INDEX,  
GENERAL NOTES,  
AND PCMS PLAN

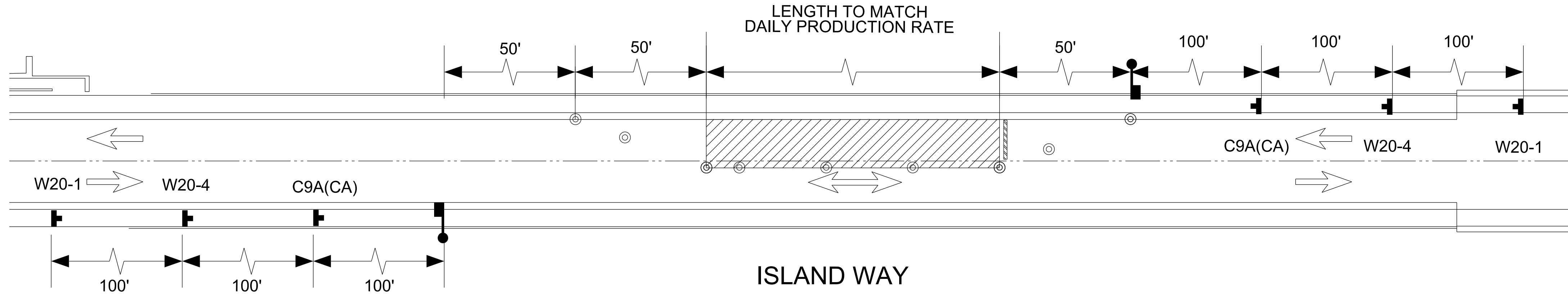
ISLAND WAY  
IN DANA POINT HARBOR  
REHABILITATION

Sheet  
Reference  
Number

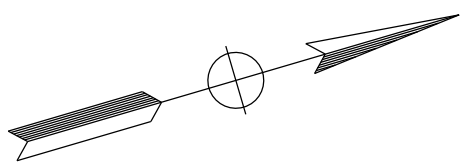
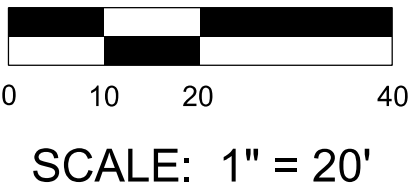
TH-1

SHEET 12 OF 17



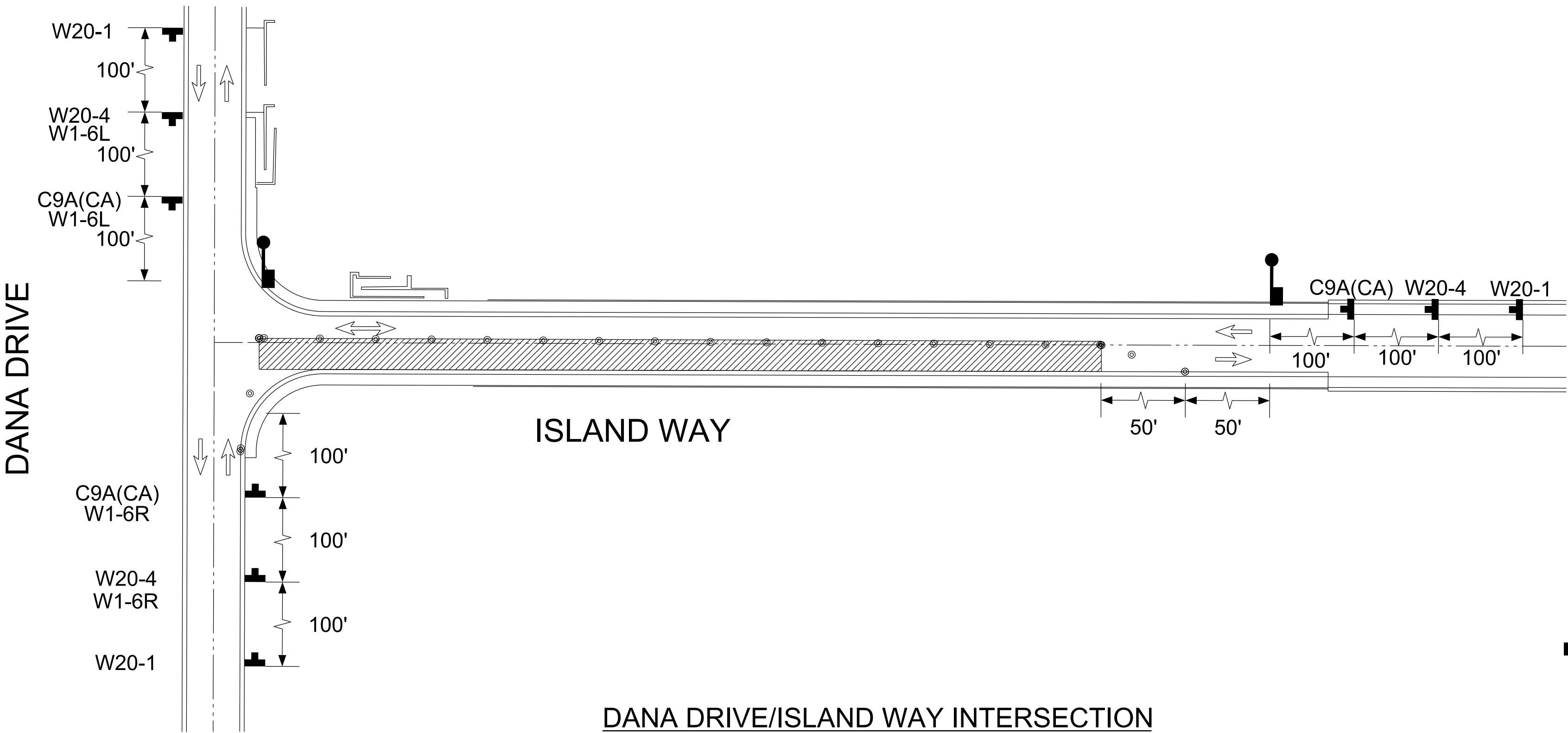


ISLAND WAY  
TYPICAL TEMPORARY TRAFFIC CONTROL  
(EXISTING SPEED LIMIT = 25 MPH)

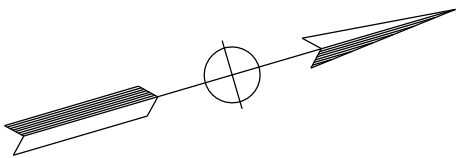
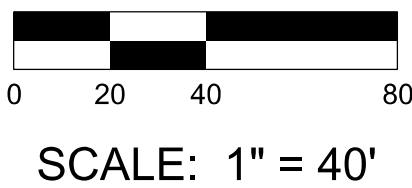


NOTES:

1. MAINTAIN 12' WIDE LANE ON ISLAND WAY AT ALL TIMES.
2. FOR WORK IN THE INTERSECTION, THE CONTRACTOR MAY SHUT DOWN TRAFFIC WITH THE USE OF A MINIMUM OF THREE FLAGGERS FOR A PERIOD OF NO MORE THAN FIVE MINUTES AT A TIME.



DANA DRIVE/ISLAND WAY INTERSECTION  
TYPICAL TEMPORARY TRAFFIC CONTROL  
(WEST CORNER SIMILAR)  
(EXISTING SPEED LIMIT = 25 MPH)



LEGEND

- |                          |  |
|--------------------------|--|
| SIGN (PER 2012 CA MUTCD) | DELINEATOR (42" MIN. HEIGHT, SPACED 25' APART) |
| WORK AREA                | DIRECTION OF TRAFFIC (NOT A PAVEMENT MARKING)  |
| FLAGGER                  | TYPE III BARRICADE                             |

NO AS BUILT CHANGES

TRAFFIC SIGN LEGEND

- |                        |                      |                      |                      |
|------------------------|----------------------|----------------------|----------------------|
|                        |                      |                      |                      |
| C9A(CA)<br>(36" x 36") | W20-1<br>(36" x 36") | W20-4<br>(36" x 36") | W1-6L<br>(48" x 24") |



MARK	DESCRIPTION	DATE	APPR.

PREPARED UNDER THE RESPONSIBLE CHARGE OF:  
  
BRANDON ARAUJO  
DATE: 09-16-2013

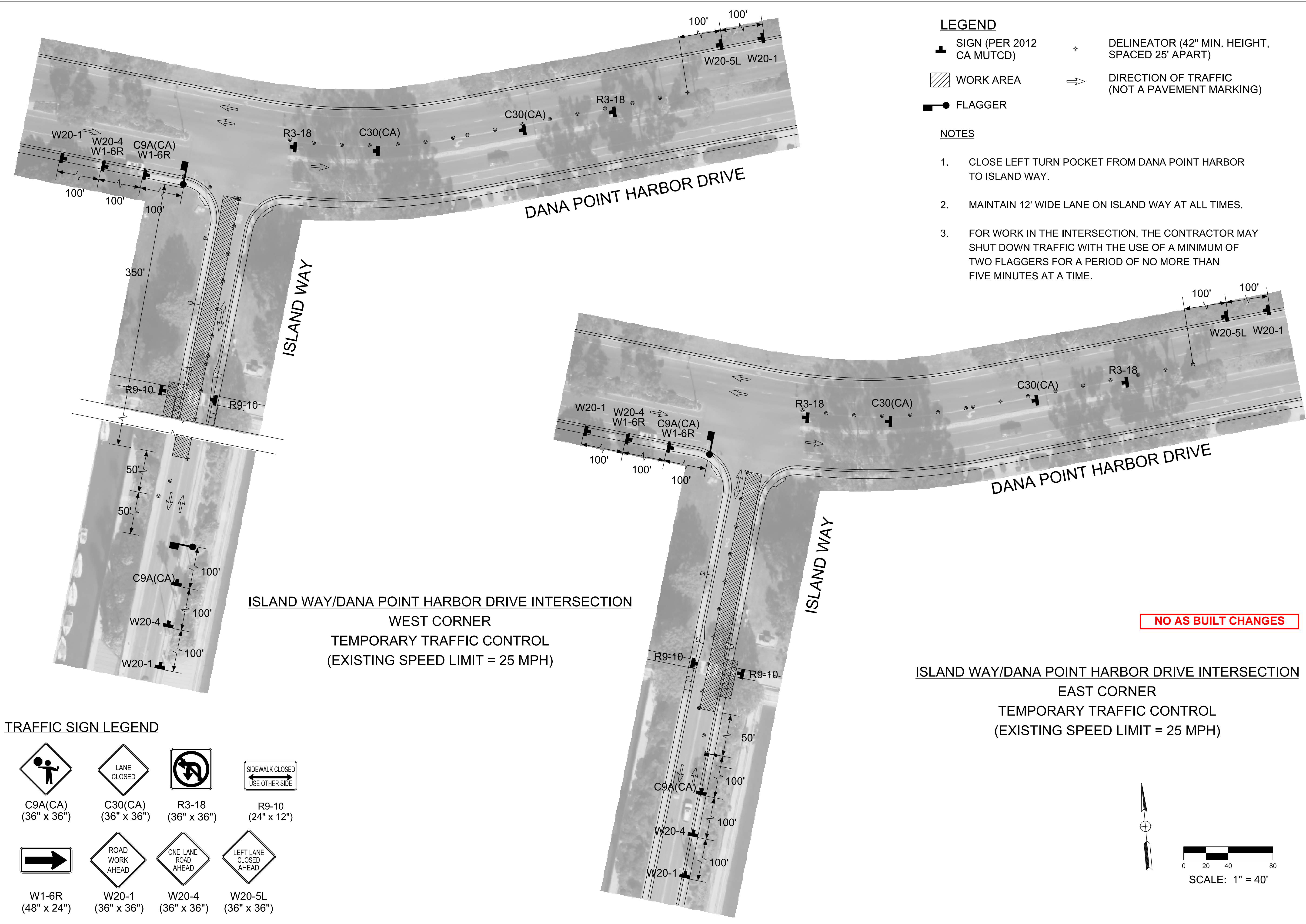
DESIGNED BY: B. ARAUJO	CHECKED BY: L. SNOW	SCALE: AS SHOWN
DRAWN BY: B. ARAUJO	DRAWING CODE:	PLOT DATE: \$DATE\$
FILE NAME:		
COUNTY OF ORANGE OC PUBLIC WORKS	PREPARED BY: OC ROAD TRAFFIC ENGINEERING	

MAINTENANCE OF VARIOUS  
BRIDGES IN ORANGE COUNTY  
ROADWAY  
RECONSTRUCTION  
ISLAND WAY  
IN DANA POINT HARBOR  
REHABILITATION

Sheet  
Reference  
Number  
  
TH-2

SHEET 13 OF 17





LEGEND

- SIGN (PER 2012 CA MUTCD)
- WORK AREA
- FLAGGER
- DELINEATOR (42" MIN. HEIGHT, SPACED 25' APART)
- DIRECTION OF TRAFFIC (NOT A PAVEMENT MARKING)

NOTES

- CLOSE LEFT TURN POCKET FROM DANA POINT HARBOR TO ISLAND WAY.
- MAINTAIN 12' WIDE LANE ON ISLAND WAY AT ALL TIMES.
- FOR WORK IN THE INTERSECTION, THE CONTRACTOR MAY SHUT DOWN TRAFFIC WITH THE USE OF A MINIMUM OF TWO FLAGGERS FOR A PERIOD OF NO MORE THAN FIVE MINUTES AT A TIME.

TRAFFIC SIGN LEGEND

C9A(CA)  
(36" x 36")

C30(CA)  
(36" x 36")

R3-18  
(36" x 36")

R9-10  
(24" x 12")

W1-6R  
(48" x 24")

W20-1  
(36" x 36")

W20-4  
(36" x 36")

W20-5L  
(36" x 36")

MARK	DESCRIPTION	DATE	APPR.

PREPARED UNDER THE RESPONSIBLE CHARGE OF:

BRANDON ARAUJO  
No. 75996  
Exp. 6/30/2014  
CIVIL  
STATE OF CALIFORNIA

DATE: 09-16-2013

DESIGNED BY:	DRAWN BY:	CHECKED BY:	FILE NAME:	SCALE:
B. ARAUJO	B. ARAUJO	L. SNOW		AS SHOWN

COUNTY OF ORANGE  
OC PUBLIC WORKS

PREPARED BY:  
OC ROAD  
TRAFFIC ENGINEERING

MAINTENANCE OF VARIOUS  
BRIDGES IN ORANGE COUNTY

ROADWAY  
RECONSTRUCTION

ISLAND WAY  
IN DANA POINT HARBOR  
REHABILITATION

Sheet  
Reference  
Number

TH-3

SHEET 14 OF 17

FILE NAME: \$FILEL\$

PLOT DATE: \$DATE\$



TRAFFIC SIGN LEGEND

SIDEWALK  
CLOSED

R9-9  
(24" x 12")

SIDEWALK CLOSED  
USE OTHER SIDE

R9-10  
(24" x 12")

SIDEWALK CLOSED  
AHEAD  
CROSS HERE

R9-11L  
(24" x 12")

SIDEWALK CLOSED  
AHEAD  
CROSS HERE

R9-11R  
(24" x 12")

LEGEND

SIGN (PER  
2012 CA MUTCD)

DIRECTION OF TRAFFIC  
(NOT A PAVEMENT MARKING)

WORK AREA

TYPE III BARRICADE

NOTES:

1. MAINTAIN TRAFFIC ON ISLAND WAY AT ALL TIMES  
OVERNIGHT.

NO AS BUILT CHANGES

ISLAND WAY  
CURB RAMP CONSTRUCTION  
OVERNIGHT TEMPORARY TRAFFIC CONTROL (TYPICAL)  
(EXISTING SPEED LIMIT = 25 MPH)

MARK	DESCRIPTION	DATE	APPR.

PREPARED UNDER THE RESPONSIBLE CHARGE OF:

BRANDON ARAUJO  
No. 75996  
Exp. 6/30/2014  
CIVIL  
STATE OF CALIFORNIA

09-16-2013  
DATE

BRANDON ARAUJO

DESIGNED BY:  
B. ARAUJO

CHECKED BY:  
L. SNOW

COUNTY OF ORANGE  
OC PUBLIC WORKS

PREPARED BY:  
OC ROAD  
TRAFFIC ENGINEERING

DRAWING CODE:

FILE NAME:

PLOT DATE: \$DATE\$

SCALE: AS SHOWN

MAINTENANCE OF VARIOUS  
BRIDGES IN ORANGE COUNTY

CURB RAMP  
CONSTRUCTION

ISLAND WAY  
IN DANA POINT HARBOR  
REHABILITATION

Sheet  
Reference  
Number

TH-4

SHEET 15 OF 17

PLOT DATE:\$DATE\$

FILE NAME\$FILEL\$



STRIPING NOTES

- FURNISHMENT AND INSTALLATION OF ALL STRIPING, SIGNS, PAVEMENT MARKERS, AND LEGENDS SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR.
- ALL LANE STRIPING IS PARALLEL TO THE CENTERLINE OF THE STREET UNLESS NOTED OTHERWISE. ALL LANE DIMENSIONS ARE MEASURED PERPENDICULAR TO LANE STRIPING.
- ALL SIGNS, STRIPING, PAVEMENT MARKERS, AND LEGENDS SHALL CONFORM TO THE LATEST APPROVED/ ADOPTED EDITIONS OF THE CALTRANS STANDARD PLANS AND SPECIFICATIONS (2010) AND THE CALIFORNIA MUTCD (2012).
- ANY DEVIATION FROM THE STRIPING AND SIGNING PLAN SHALL BE APPROVED BY THE ENGINEER OF WORK PRIOR TO ANY CHANGES BEING MADE IN THE FIELD.
- CONTRACTOR SHALL VERIFY ALL CONTROLLING FIELD DIMENSIONS BEFORE ORDERING OR FABRICATING ANY MATERIAL.
- ALL DIMENSIONS ARE IN FEET UNLESS OTHERWISE SHOWN. THIS PLAN ACURATE FOR PAVEMENT STRIPING AND SIGNING PLANS ONLY.
- THE CONTRACTOR SHALL HAVE ALL LANE LINES AND CATTRACKING APPROVED BY THE ENGINEER AT LEAST 3 WORKING DAYS BEFORE INSTALLATION BEGINS.
- ALL ROADSIDE SIGNS SHALL BE INSTALLED PER OCPW STD PLAN 1409 AND1410. ALL STREET NAME SIGNS SHALL BE INSTALLED AS PER OCPW STD PLAN 1407.

CONSTRUCTION NOTES

- 1

REMOVE EXISTING ROADSIDE SIGN PANEL
- 2

INSTALL NEW ROADSIDE SIGN PANEL
- 6

REMOVE EXISTING STREET NAME SIGN PANELS
- 7

INSTALL NEW STREET NAME SIGN PANELS

TRAFFIC SIGN LEGEND



PAVEMENT MARKERS, MARKINGS & TRAFFIC LANES  
PER CALTRANS STANDARD PLANS  
UNLESS OTHERWISE NOTED

- 1

PAINT 12" SOLID WHITE LIMIT LINE PER STD PLAN RSP A24E
- 2

PAINT PAVEMENT MARKING PER STD PLAN RSP A24C (AS SHOWN ON PLANS)
- 3

PAINT 4" DOUBLE YELLOW LANE LINE PER STD PLAN A20A DETAIL 22 PER PLANS
- 4

PAINT 10' WIDE SOLID WHITE CROSSWALK WITH LADDERS PER OCPW STD PLAN 1416
- 5

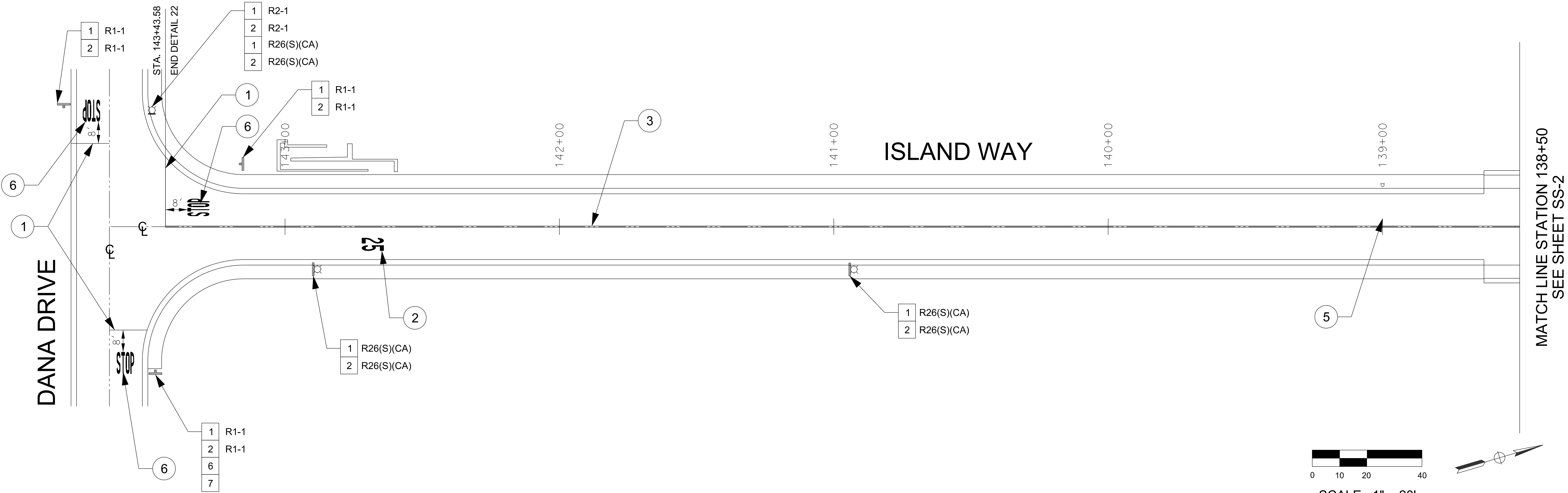
INSTALL BLUE REFLECTIVE MARKERS PER ORANGE COUNTY FIRE AUTHORITY GUIDELINE B-09
- 6

PAINT PAVEMENT MARKING PER STD PLAN A24D (AS SHOWN ON PLANS)

LEGEND

- SINGLE POST SIGN
- SIGN ON LIGHT POLE

NO AS BUILT CHANGES



MARK	DESCRIPTION	DATE	APPR.

PREPARED UNDER THE RESPONSIBLE CHARGE OF:

DATE: 09-16-2013

BRANDON ARAUJO

DESIGNED BY: B. ARAUJO

CHECKED BY: L. SNOW

COUNTY OF ORANGE  
OC PUBLIC WORKS

DRAWN BY: B. ARAUJO

DRAWING CODE:

FILE NAME:

PREPARED BY: OC ROAD  
TRAFFIC ENGINEERING

PLOT DATE: \$DATE\$

SCALE: AS SHOWN

MAINTENANCE OF VARIOUS  
BRIDGES IN ORANGE COUNTY

ISLAND WAY  
IN DANA POINT HARBOR  
REHABILITATION

Sheet  
Reference  
Number

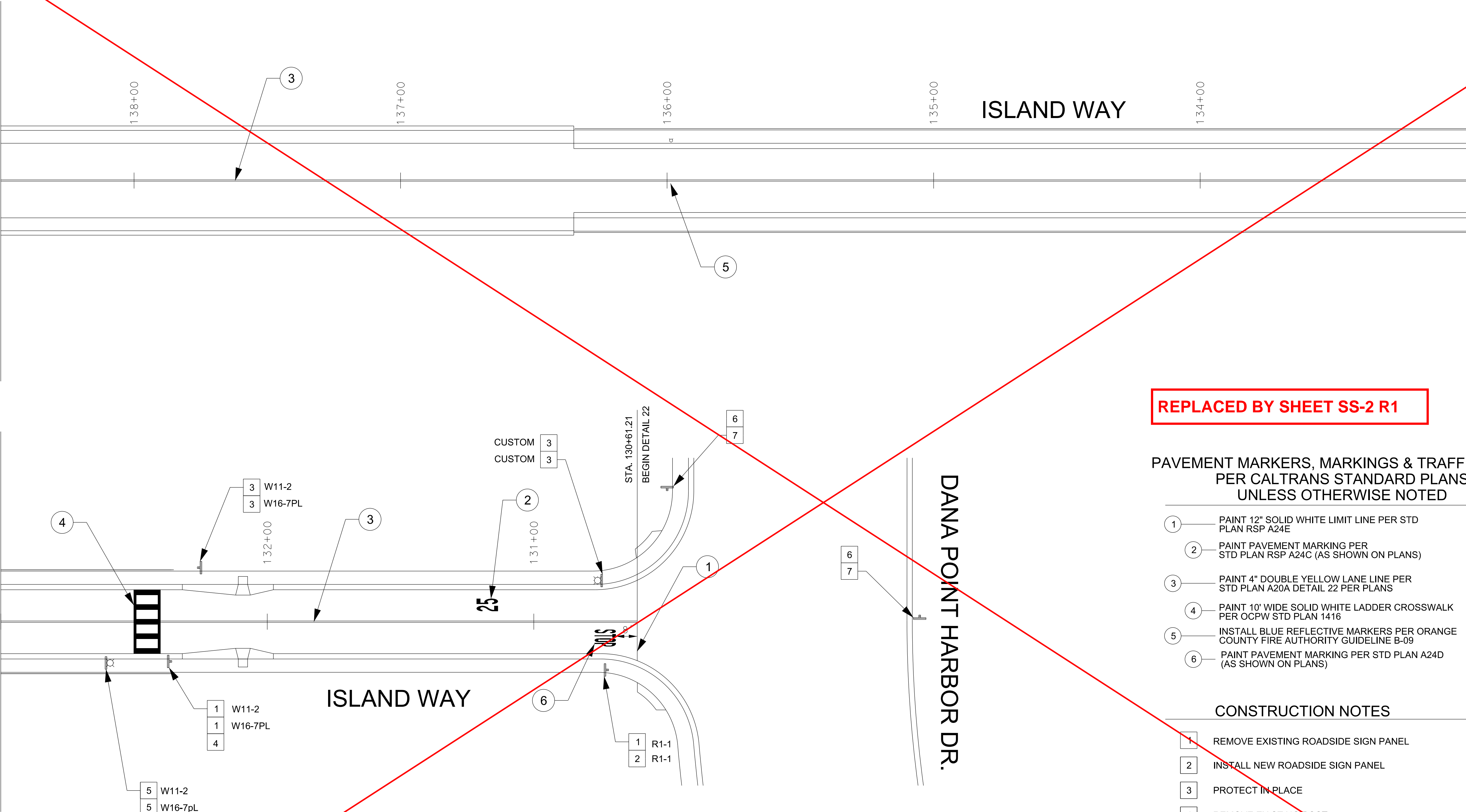
SS-1

SHEET 16 OF 17



MATCH LINE STATION 139+00  
SEE SHEET SS-1

MATCH LINE STATION 133+00  
SEE ABOVE RIGHT



#### STRIPING NOTES

- FURNISHMENT AND INSTALLATION OF ALL STRIPING, SIGNS, PAVEMENT MARKERS, AND LEGENDS SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR.
- ALL LANE STRIPING IS PARALLEL TO THE CENTERLINE OF THE STREET UNLESS NOTED OTHERWISE. ALL LANE DIMENSIONS ARE MEASURED PERPENDICULAR TO LANE STRIPING.
- ALL SIGNS, STRIPING, PAVEMENT MARKERS, AND LEGENDS SHALL CONFORM TO THE LATEST APPROVED/ADOPTED EDITIONS OF THE CALTRANS STANDARD PLANS AND SPECIFICATIONS (2010) AND THE CALIFORNIA MUTCD (2012).
- ANY DEVIATION FROM THE STRIPING AND SIGNING PLAN SHALL BE APPROVED BY THE ENGINEER OF WORK PRIOR TO ANY CHANGES BEING MADE IN THE FIELD.

- CONTRACTOR SHALL VERIFY ALL CONTROLLING FIELD DIMENSIONS BEFORE ORDERING OR FABRICATING ANY MATERIAL.
- ALL DIMENSIONS ARE IN FEET UNLESS OTHERWISE SHOWN. THIS PLAN ACURATE FOR PAVEMENT STRIPING AND SIGNING PLANS ONLY.
- THE CONTRACTOR SHALL HAVE ALL LANE LINES AND CATTRACKING APPROVED BY THE ENGINEER AT LEAST 3 WORKING DAYS BEFORE INSTALLATION BEGINS.
- ALL ROADSIDE SIGNS SHALL BE INSTALLED PER OCPW STD PLAN 1409 AND1410. ALL STREET NAME SIGNS SHALL BE INSTALLED AS PER OCPW STD PLAN 1407.

#### TRAFFIC SIGN LEGEND

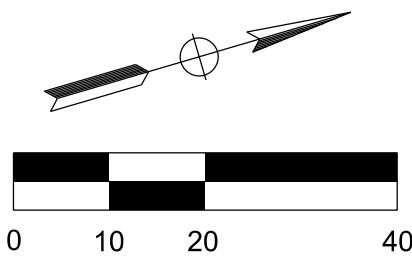


#### CONSTRUCTION NOTES

- REMOVE EXISTING ROADSIDE SIGN PANEL
- INSTALL NEW ROADSIDE SIGN PANEL
- PROTECT IN PLACE
- REMOVE EXISTING POST
- INSTALL SALVAGED SIGN PANEL
- REMOVE EXISTING STREET NAME SIGN PANELS
- INSTALL NEW STREET NAME SIGN PANELS

#### LEGEND

- SINGLE POST SIGN
- SIGN ON LIGHT POLE



SCALE: 1" = 20'

REPLACED BY SHEET SS-2 R1

#### PAVEMENT MARKERS, MARKINGS & TRAFFIC LANES PER CALTRANS STANDARD PLANS UNLESS OTHERWISE NOTED

- PAINT 12" SOLID WHITE LIMIT LINE PER STD PLAN RSP A24E
- PAINT PAVEMENT MARKING PER STD PLAN RSP A24C (AS SHOWN ON PLANS)
- PAINT 4" DOUBLE YELLOW LANE LINE PER STD PLAN A20A DETAIL 22 PER PLANS
- PAINT 10' WIDE SOLID WHITE LADDER CROSSWALK PER OCPW STD PLAN 1416
- INSTALL BLUE REFLECTIVE MARKERS PER ORANGE COUNTY FIRE AUTHORITY GUIDELINE B-09
- PAINT PAVEMENT MARKING PER STD PLAN A24D (AS SHOWN ON PLANS)



MARK	DESCRIPTION	DATE	APPR.

PREPARED UNDER THE RESPONSIBLE CHARGE OF:

BRANDON ARAUJO  
No. 75936  
Exp. 6/30/2014  
CIVIL  
State of Calif.

DATE: 09-16-2013

DESIGNED BY: B. ARAUJO  
CHECKED BY: L. SNOW  
DRAWN BY: B. ARAUJO  
DRAWING CODE: OC ROAD  
FILE NAME: TRAFFIC ENGINEERING  
PLOT DATE: \$DATE\$  
SCALE: AS SHOWN

COUNTY OF ORANGE  
OC PUBLIC WORKS

MAINTENANCE OF VARIOUS  
BRIDGES IN ORANGE COUNTY

ISLAND WAY  
IN DANA POINT HARBOR  
REHABILITATION

Sheet  
Reference  
Number

SS-2

SHEET 17 OF 17

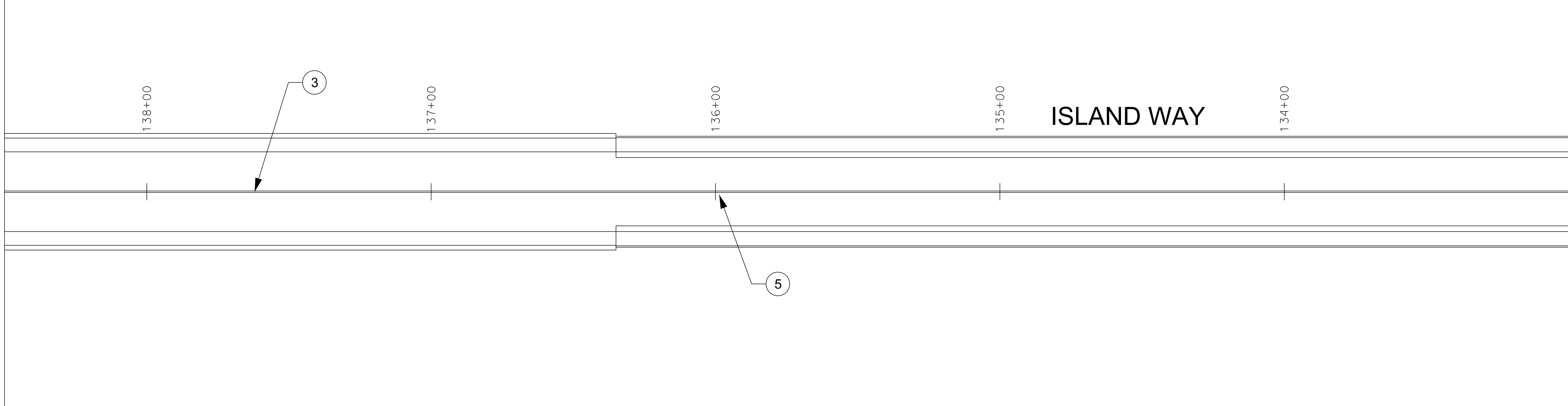
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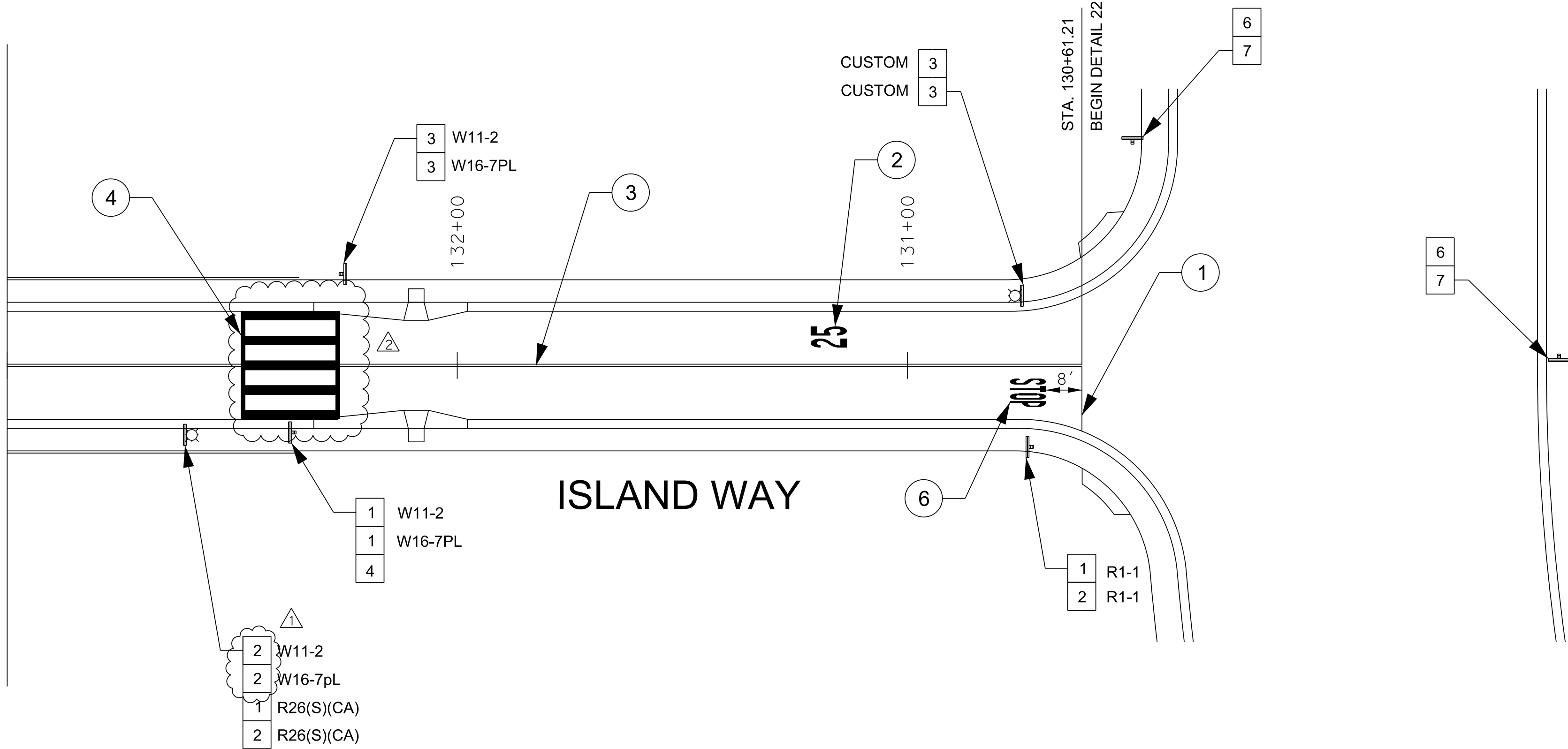


MATCH LINE STATION 139+00  
SEE SHEET SS-1

MATCH LINE STATION 133+00  
SEE ABOVE RIGHT



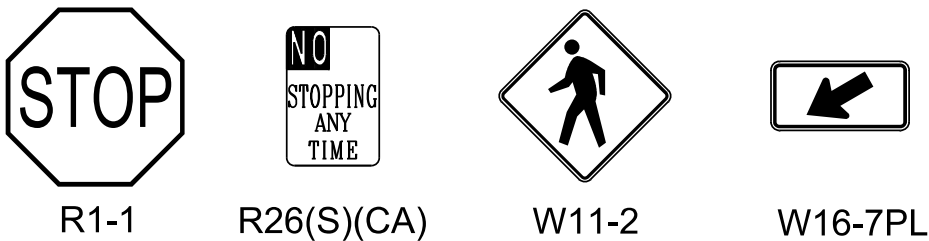
MATCH LINE STATION 133+00  
SEE BELOW LEFT



### STRIPING NOTES

- FURNISHMENT AND INSTALLATION OF ALL STRIPING, SIGNS, PAVEMENT MARKERS, AND LEGENDS SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR.
- ALL LANE STRIPING IS PARALLEL TO THE CENTERLINE OF THE STREET UNLESS NOTED OTHERWISE. ALL LANE DIMENSIONS ARE MEASURED PERPENDICULAR TO LANE STRIPING.
- ALL SIGNS, STRIPING, PAVEMENT MARKERS, AND LEGENDS SHALL CONFORM TO THE LATEST APPROVED/ADOPTED EDITIONS OF THE CALTRANS STANDARD PLANS AND SPECIFICATIONS (2010) AND THE CALIFORNIA MUTCD (2012).
- ANY DEVIATION FROM THE STRIPING AND SIGNING PLAN SHALL BE APPROVED BY THE ENGINEER OF WORK PRIOR TO ANY CHANGES BEING MADE IN THE FIELD.
- CONTRACTOR SHALL VERIFY ALL CONTROLLING FIELD DIMENSIONS BEFORE ORDERING OR FABRICATING ANY MATERIAL.
- ALL DIMENSIONS ARE IN FEET UNLESS OTHERWISE SHOWN. THIS PLAN ACURATE FOR PAVEMENT STRIPING AND SIGNING PLANS ONLY.
- THE CONTRACTOR SHALL HAVE ALL LANE LINES AND CATTRACKING APPROVED BY THE ENGINEER AT LEAST 3 WORKING DAYS BEFORE INSTALLATION BEGINS.
- ALL ROADSIDE SIGNS SHALL BE INSTALLED PER OCPW STD PLAN 1409 AND1410. ALL STREET NAME SIGNS SHALL BE INSTALLED AS PER OCPW STD PLAN 1407.

### TRAFFIC SIGN LEGEND



### PAVEMENT MARKERS, MARKINGS & TRAFFIC LANES PER CALTRANS STANDARD PLANS UNLESS OTHERWISE NOTED

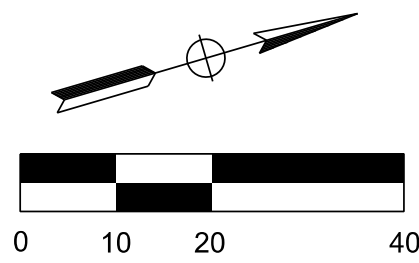
- PAINT 12" SOLID WHITE LIMIT LINE PER STD PLAN RSP A24E
- PAINT PAVEMENT MARKING PER STD PLAN RSP A24C (AS SHOWN ON PLANS)
- PAINT 4" DOUBLE YELLOW LANE LINE PER STD PLAN A20A DETAIL 22 PER PLANS
- PAINT 22' WIDE SOLID WHITE LADDER CROSSWALK PER OCPW STD PLAN 1416
- INSTALL BLUE REFLECTIVE MARKERS PER ORANGE COUNTY FIRE AUTHORITY GUIDELINE B-09
- PAINT PAVEMENT MARKING PER STD PLAN A24D (AS SHOWN ON PLANS)

### CONSTRUCTION NOTES

- REMOVE EXISTING ROADSIDE SIGN PANEL
- INSTALL NEW ROADSIDE SIGN PANEL
- PROTECT IN PLACE
- REMOVE EXISTING POST
- INSTALL SALVAGED SIGN PANEL
- REMOVE EXISTING STREET NAME SIGN PANELS
- INSTALL NEW STREET NAME SIGN PANELS

### LEGEND

- SINGLE POST SIGN
- SIGN ON LIGHT POLE



SCALE: 1" = 20'

NO AS BUILT CHANGES



MARK	DESCRIPTION	DATE	APPR.
2	MINOR MOD. TO TRAFFIC ITEMS	4/29/2013	B.A.
1	MINOR MOD. TO TRAFFIC ITEMS	10/31/2013	B.A.

PREPARED UNDER THE RESPONSIBLE CHARGE OF:

BRANDON ARAUJO

09-15-2013

DATE

DESIGNED BY: B. ARAUJO	CHECKED BY: L. SNOW	SCALE: AS SHOWN
COUNTY OF ORANGE OC PUBLIC WORKS	DRAWN BY: B. ARAUJO	FILE NAME: PLOT DATE: \$DATE\$
PREPARED BY: OC ROAD TRAFFIC ENGINEERING		

MAINTENANCE OF VARIOUS  
BRIDGES IN ORANGE COUNTY

ISLAND WAY  
IN DANA POINT HARBOR  
REHABILITATION

Sheet  
Reference  
Number

**SS-2 R1**

Bulletin #1

Attachment 2

SHEET 17 OF 17

PLOT DATE:\$DATE\$

FILE NAME\$FILEL\$