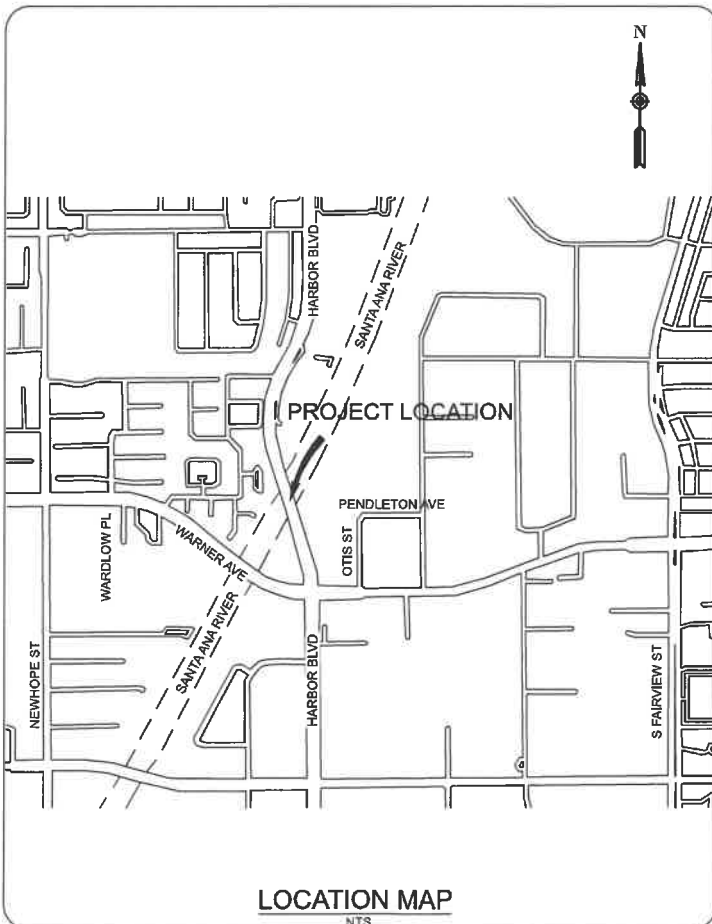
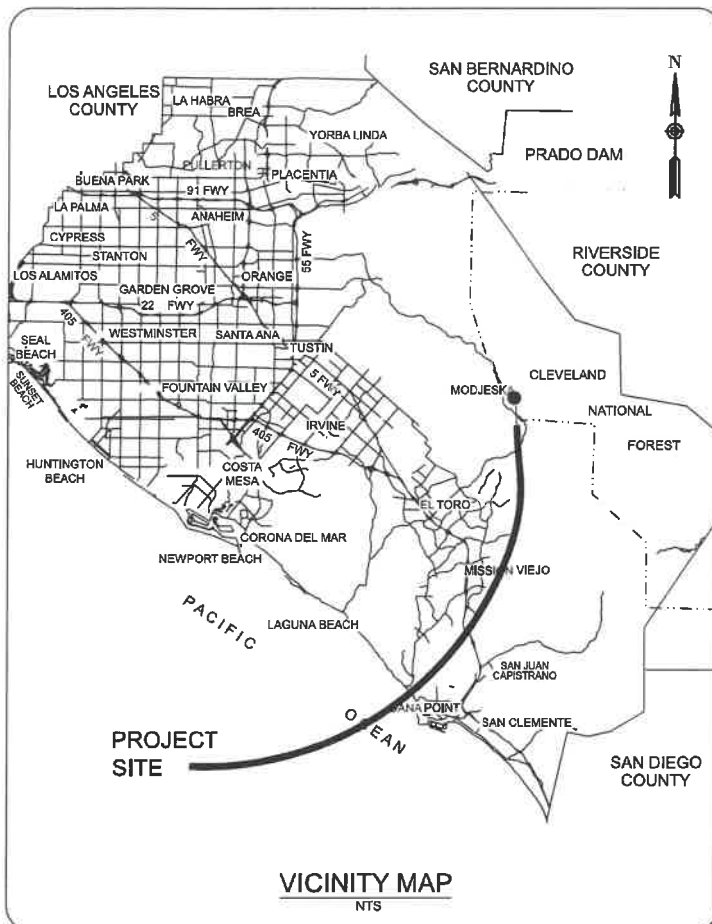




County of Orange
OC Public Works
SANTA ANA, CALIFORNIA
SHANE L. SILSBY, DIRECTOR

PLANS FOR
HARBOR BLVD BRIDGE OVER
SANTA ANA RIVER
BRIDGE PREVENTIVE MAINTENANCE
BRIDGE NO. 55C0631
WORK ORDER NO ER20570

APRIL, 2019
100% Submittal

FUNDED BY: SENATE BILL 1 (SB-1)
MAINTAINED BY: COUNTY OF ORANGE

GENERAL NOTES

THE CONTRACTOR SHALL CONTACT DIGALERT
AT 1 (800) 422-4133 AT LEAST 2 WORKING
DAYS PRIOR TO PERFORMING ANY EXCAVATION

COUNTY OF ORANGE OC PUBLIC WORKS DEPARTMENT

SUBMITTED: *Regina Hu* 4/11/19
REGINA HU, P.E.
SENIOR CIVIL ENGINEER
OC INFRASTRUCTURE PROGRAMS
ENGINEERING DIVISION

RECOMMENDED: *[Signature]* 4/11/19
PAUL JEFFREY ERNST, P.E.
MANAGER
OC INFRASTRUCTURE PROGRAMS
ENGINEERING DIVISION

RECOMMENDED: *[Signature]* 4-11-19
NARDY KHAN, P.E.
DEPUTY DIRECTOR
OC INFRASTRUCTURE PROGRAMS

APPROVED: *[Signature]* 4/11/19
KHALID BAZMI, P.E.
ASSISTANT PUBLIC WORKS DIRECTOR
COUNTY ENGINEER

RECORD DRAWING

CONTRACTOR: _____
RESIDENT ENGINEER: _____
INSPECTOR: _____
CONSTRUCTION START DATE: _____
CONSTRUCTION COMPLETION DATE: _____

PREPARED BY

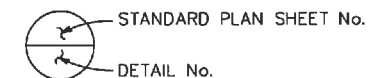
PREPARED UNDER RESPONSIBLE CHARGE OF:
DOKKEN
ENGINEERING
110 BLUE RAVINE ROAD, SUITE 200
FOLSOM, CA 95630
TEL. 916 858-0642
FAX 916 858-0643
FORTUNATO ENRIQUEZ, P.E.,
DOKKEN ENGINEERING

04/08/2019
DATE

INDEX OF SHEETS	
SHEET	DESCRIPTION
1	TITLE SHEET
2	GENERAL NOTES
3	SITE PLAN
4	GIRDER REPAIR DETAIL NO.1
5	GIRDER REPAIR DETAIL NO.2

CALTRANS STANDARD PLANS DATED 2015

Sheet No.	Title
A3A	ABBREVIATIONS (SHEET 1 OF 3)
A3B	ABBREVIATIONS (SHEET 2 OF 3)
A3C	ABBREVIATIONS (SHEET 3 OF 3)
A10A	LEGEND - LINES AND SYMBOLS (SHEET 1 OF 5)
A10B	LEGEND - LINES AND SYMBOLS (SHEET 2 OF 5)
A10C	LEGEND - LINES AND SYMBOLS (SHEET 3 OF 5)
A10D	LEGEND - LINES AND SYMBOLS (SHEET 4 OF 5)
A10E	LEGEND - LINES AND SYMBOLS (SHEET 5 OF 5)



NO.	DESCRIPTION	SHT.	APPROVED	DATE
REVISIONS				

W.O. NO. ER20570
DWG. NO. G-001

SHEET 1 OF 5

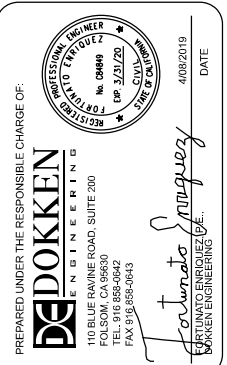
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- ## EROSION AND SEDIMENT CONTROL

- ## AIR POLLUTION CONTROL

- DURING CONSTRUCTION

-

[illegible]

	DESIGNED BY:		FORTUONATO ENRIQUEZ	
	DRAWN BY:	CHECKED BY:		I. OSTERAMP
		D. YANG		
	DRAWING NUMBER:	-		W.O. NO. ER20570
	FILE NAME:			
PREPARED BY:				
110 BLUE RAVINE ROAD, SUITE 200 FO, SLOVE, CA 95630 TEL. 916 558-4642 FAX 916 558-4643				
PLOT DATE:		SCALE: AS SHOWN		

HARBOR BLVD
BRIDGE OVER SANTA
ANA RIVER

BRIDGE No. 55C0631

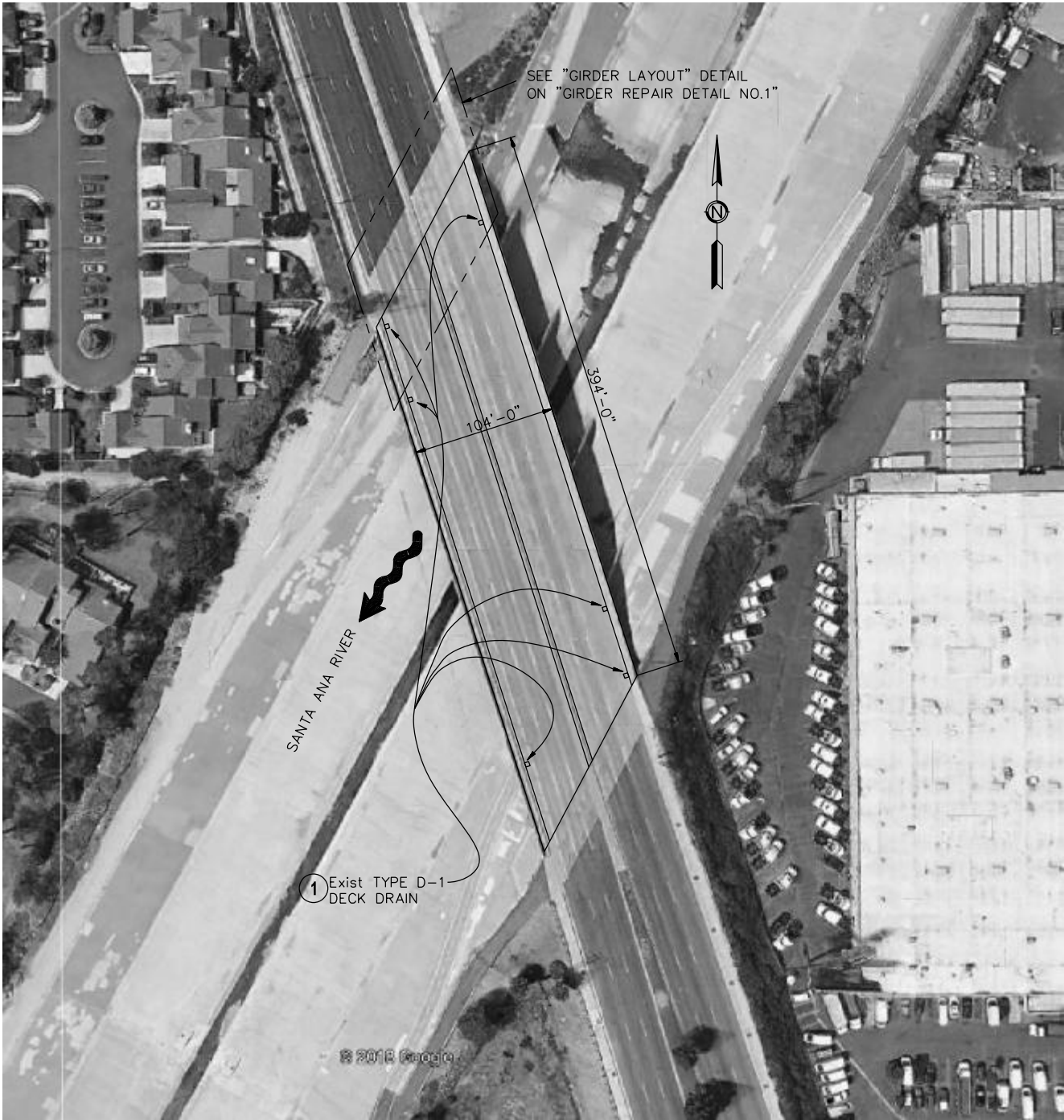
GENERAL NOTES

SHEET

C-001

INDEX: 2 OF 5

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PLAN
NTS



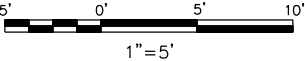
PLAN
NTS

KEY NOTES

- 1 CLEAN BRIDGE DECK DRAINAGE SYSTEM PER SPECIAL PROVISIONS 60-6. TOTAL 6 DRAINS.

GENERAL NOTES

1. FOR GENERAL NOTES, SEE "GENERAL NOTES" SHEET C-001



MARK	DESCRIPTION	DATE	APPR.

PREPARED UNDER THE RESPONSIBLE CHARGE OF:
DEIDOKKEN
ENGINEERING
110 BLUE RAINE ROAD, SUITE 200
FOLSOM, CA 95630
TEL: 916 858-0642
FAX: 916 858-0643

Fortunato Enriquez
REGISTERED PROFESSIONAL ENGINEER
DATE: 4/09/2019

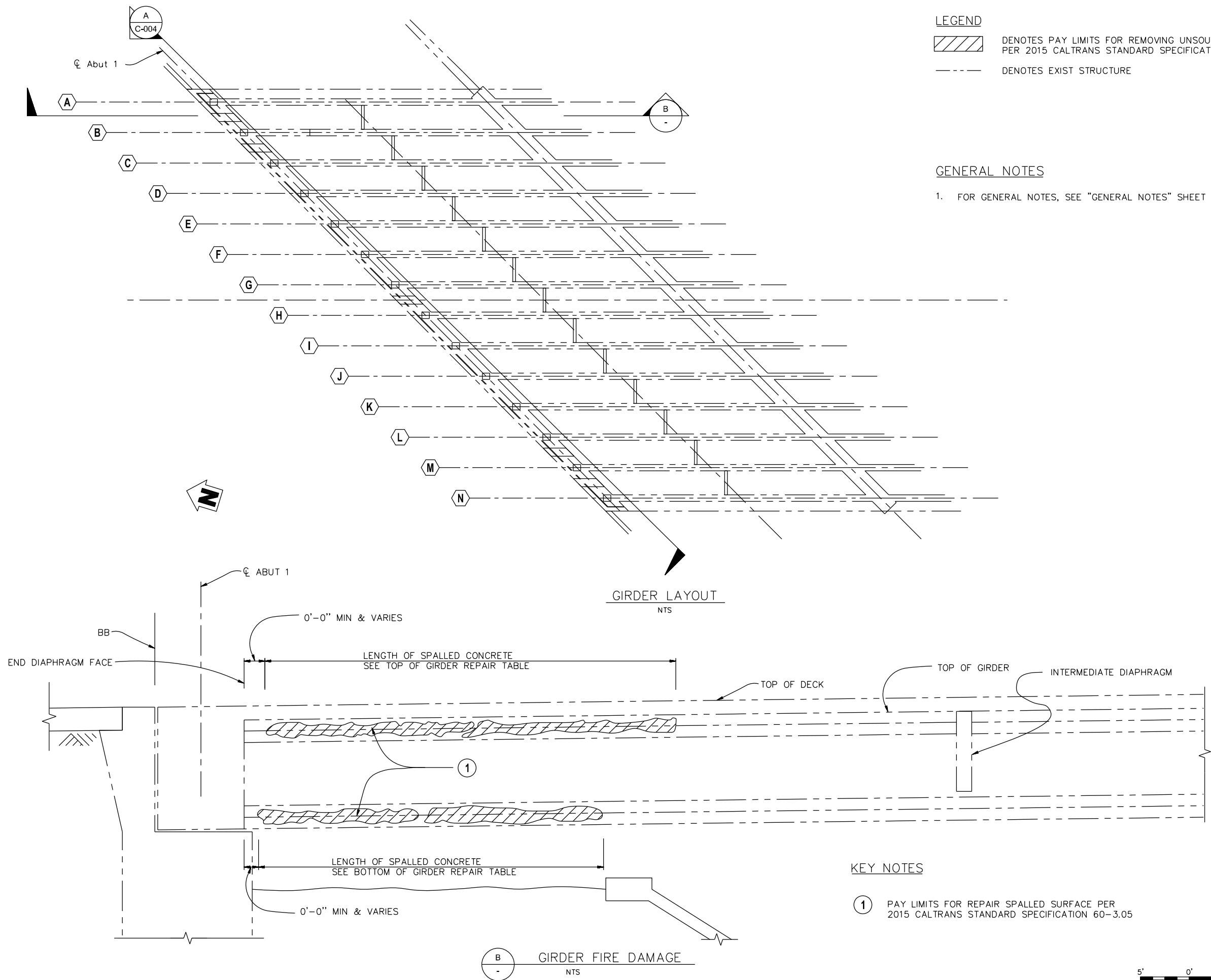
DESIGNED BY: FORTUNATO ENRIQUEZ
DRAWN BY: D. YANG
CHECKED BY: J. OSTERKAMP
DRAWING NUMBER: -
FILE NAME: -
PLOT DATE: -
SCALE: AS SHOWN

County of Orange
Public Works
PREPARED BY: **DEIDOKKEN**
ENGINEERING
110 BLUE RAINE ROAD, SUITE 200
FOLSOM, CA 95630
TEL: 916 858-0642
FAX: 916 858-0643

HARBOR BLVD
BRIDGE OVER SANTA
ANA RIVER
BRIDGE No. 55C0631
SITE PLAN

SHEET
C-002
INDEX: 3 OF 5

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MARK	DESCRIPTION	DATE	APPR.

PREPARED UNDER THE RESPONSIBLE CHARGE OF:

DEIDOKKEN
ENGINEERING
110 BLUE RAVINE ROAD, SUITE 200
FOLSOM, CA 95630
TEL: 916 858-0642
FAX: 916 858-0643

Fortunato Enriquez
Professional Engineer
No. 04849
Exp. 2/27/25

DATE: 4/09/2019

DESIGNED BY: FORTUNATO ENRIQUEZ

DRAWN BY: D. YANG	CHECKED BY: J. OSTERKAMP
DRAWING NUMBER: -	W.O. NO. ER20570
FILE NAME: -	SCALE: AS SHOWN
PLOT DATE: -	AS SHOWN

County of Orange
Public Works

PREPARED BY: **DEIDOKKEN**
ENGINEERING
110 BLUE RAVINE ROAD, SUITE 200
FOLSOM, CA 95630
TEL: 916 858-0642
FAX: 916 858-0643

HARBOR BLVD
BRIDGE OVER SANTA
ANA RIVER

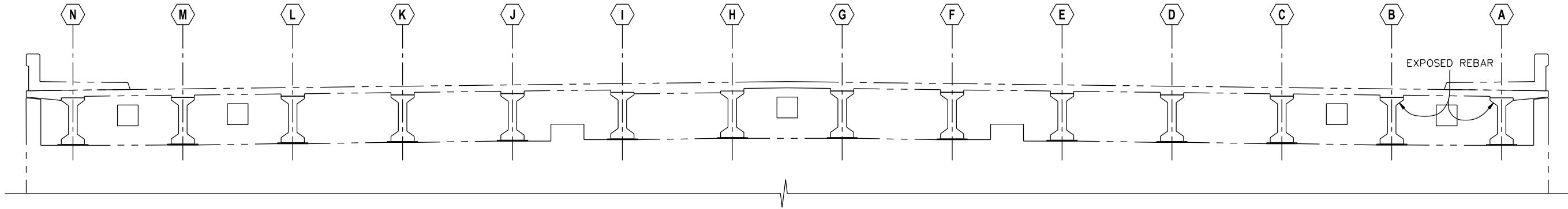
BRIDGE No. 55C0631
GIRDER REPAIR
DETAIL NO. 1

SHEET

C-003

INDEX: 4 OF 5

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TOP OF GIRDER
SPALL REPAIR TABLE

GIRDER ID	GIRDER SPALL LENGTH	
	Lt SIDE	Rt SIDE
A	23'-0"±	-
B	19'-0"±	17'-0"±
C	-	12'-6"±
D	7'-0"±	-
E	13'-0"±	-
F	-	-
G	-	-
H	-	-
I	8'-0"±	4'-0"±
J	-	4'-0"±
K	-	-
L	-	-
M	-	-
N	-	-

BOTTOM OF GIRDER
SPALL REPAIR TABLE

GIRDER ID	GIRDER SPALL LENGTH	
	Lt SIDE	Rt SIDE
A	-	-
B	4'-0"±	3'-0"±
C	-	2'-0"±
D	-	-
E	-	-
F	-	-
G	-	-
H	-	-
I	-	-
J	-	-
K	-	-
L	-	-
M	-	-
N	-	-

A
-
SECTION A-A
NTS

GENERAL NOTES

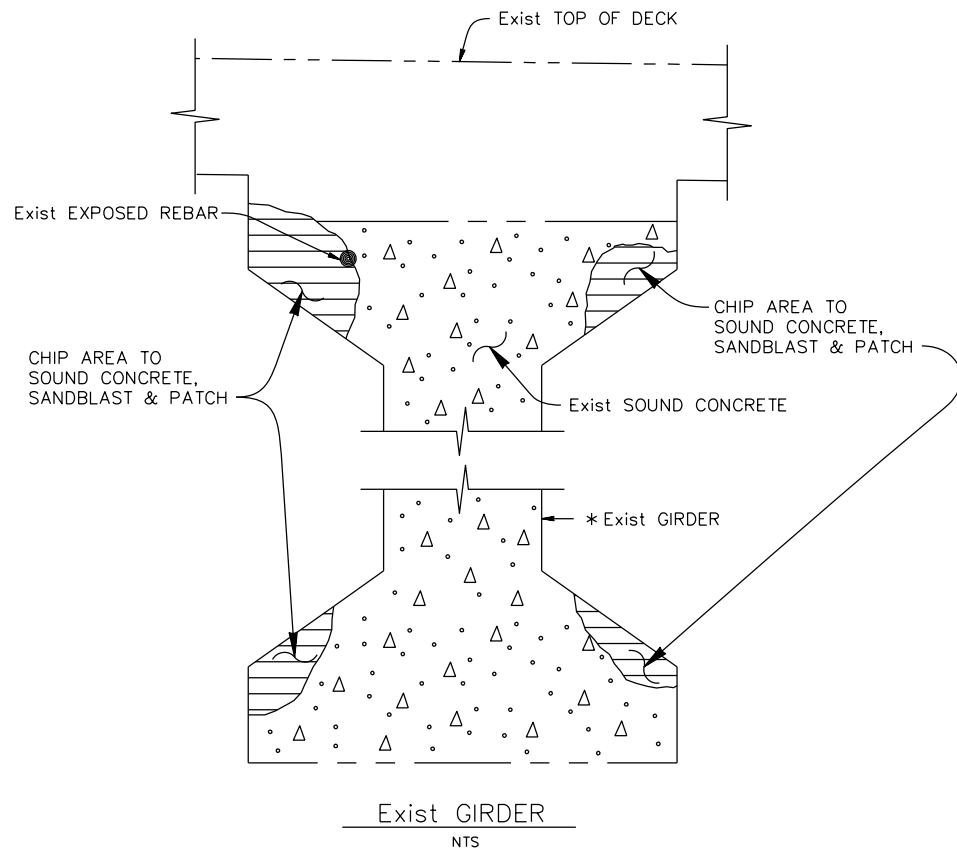
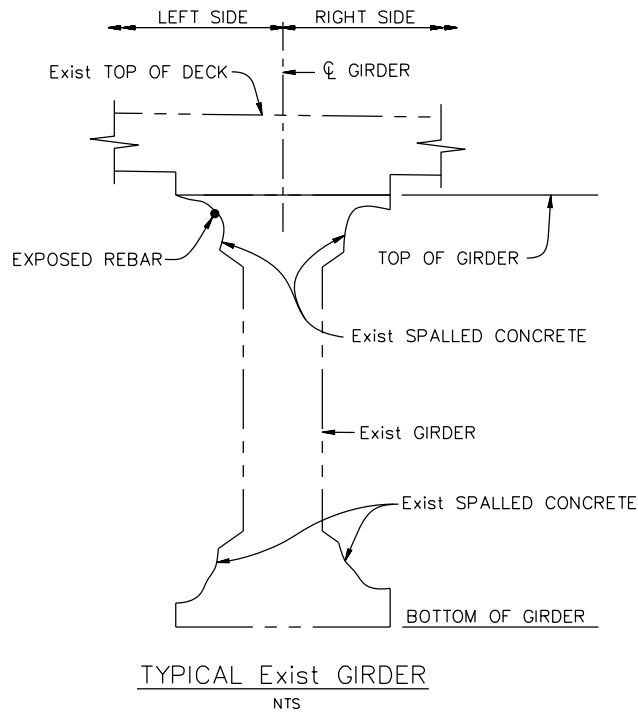
1. FOR GENERAL NOTES, SEE "GENERAL NOTES" SHEET C-001

LEGEND

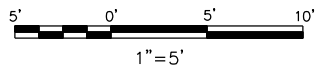
- DENOTES REPAIR SPALLED SURFACE AREA PAY LIMITS PER 2015 CALTRANS STANDARD SPECIFICATIONS 60-3.05
- DENOTES PREPARE CONCRETE DECK SURFACE PAY LIMITS PER 2015 CALTRANS STANDARD SPECIFICATIONS 60-3.02
- DENOTES EXISTING STRUCTURE

SPALLED SURFACE REPAIR NOTES:

1. LIMITS OF UNSOUND CONCRETE TO BE DETERMINED BY THE ENGINEER.
2. REMOVE UNSOUND CONCRETE TO EXPOSE SOUND, HARD, CONCRETE SUBSTRATE.
3. SAND BLAST SPALL AND REINFORCEMENT TO REMOVE CORROSINS AND LOOSE MATERIAL. PROTECT SANTA ANA RIVER FROM DEBRIS.
4. FORM PATCH TO ORIGINAL GIRDER DIMENSIONS.
5. PLACE SIKAGUICK VOH OR EQUIVALENT.



* FOR Exist GIRDER REINFORCEMENT SEE AS BUILT PLANS



APPR.	DATE	DESCRIPTION	MARK

PREPARED UNDER THE RESPONSIBLE CHARGE OF:

DEIDOKKEN
ENGINEERING
110 BLUE RAINE ROAD, SUITE 200
FOLSOM, CA 95630
TEL: 916 858-0642
FAX: 916 858-0643

Fortunato Enriquez
Professional Engineer
No. 04849
Exp. 2/2/25

4/09/2019 DATE

DESIGNED BY: FORTUNATO ENRIQUEZ
DRAWN BY: J. OSTERKAMP
D. YANG
DRAWING NUMBER: ER20570
FILE NAME: -
PLOT DATE: -
SCALE: AS SHOWN

County of Orange
Public Works

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FOLSOM, CA 95630
TEL: 916 858-0642
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HARBOR BLVD
BRIDGE OVER SANTA
ANA RIVER

BRIDGE No. 55C0631
GIRDER REPAIR
DETAIL NO. 2

SHEET

C-004

INDEX: 5 OF 5