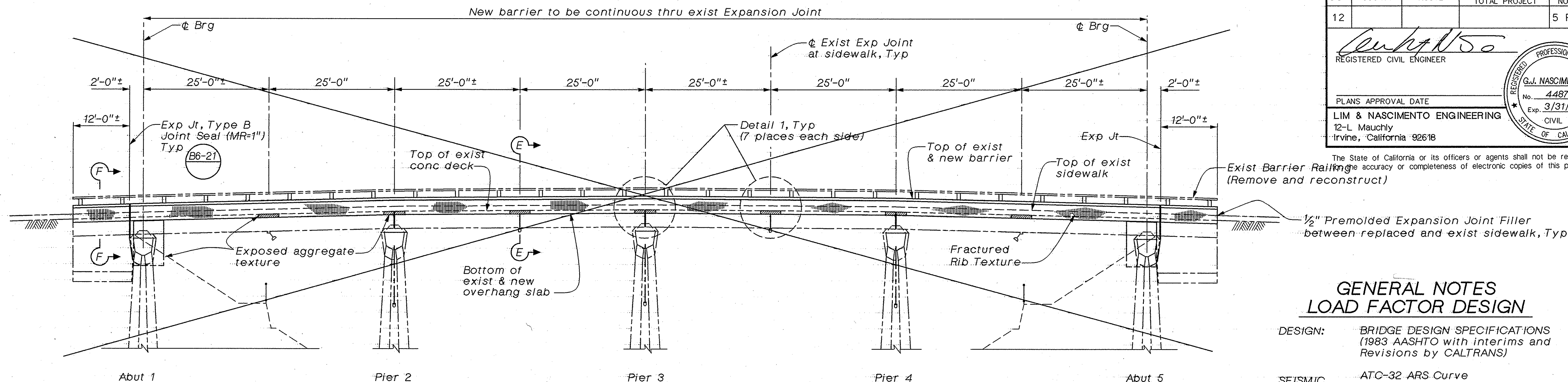


DIST	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET NO.	TOTAL SHEETS
12				5 R1	14

G.J. Nascimento REGISTERED CIVIL ENGINEER No. 44871 Exp. 3/31/02 CIVIL STATE OF CALIFORNIA	
PLANS APPROVAL DATE LIM & NASCIMENTO ENGINEERING 12-L Mauchly Irvine, California 92618	



LEGEND

Limits of concrete overhang removal

ELEVATION
No Scale

Note:
All utilities are to be protected in place unless otherwise indicated.
Not all utilities shown.

GENERAL NOTES
LOAD FACTOR DESIGN

DESIGN: BRIDGE DESIGN SPECIFICATIONS (1983 AASHTO with Interims and Revisions by CALTRANS)

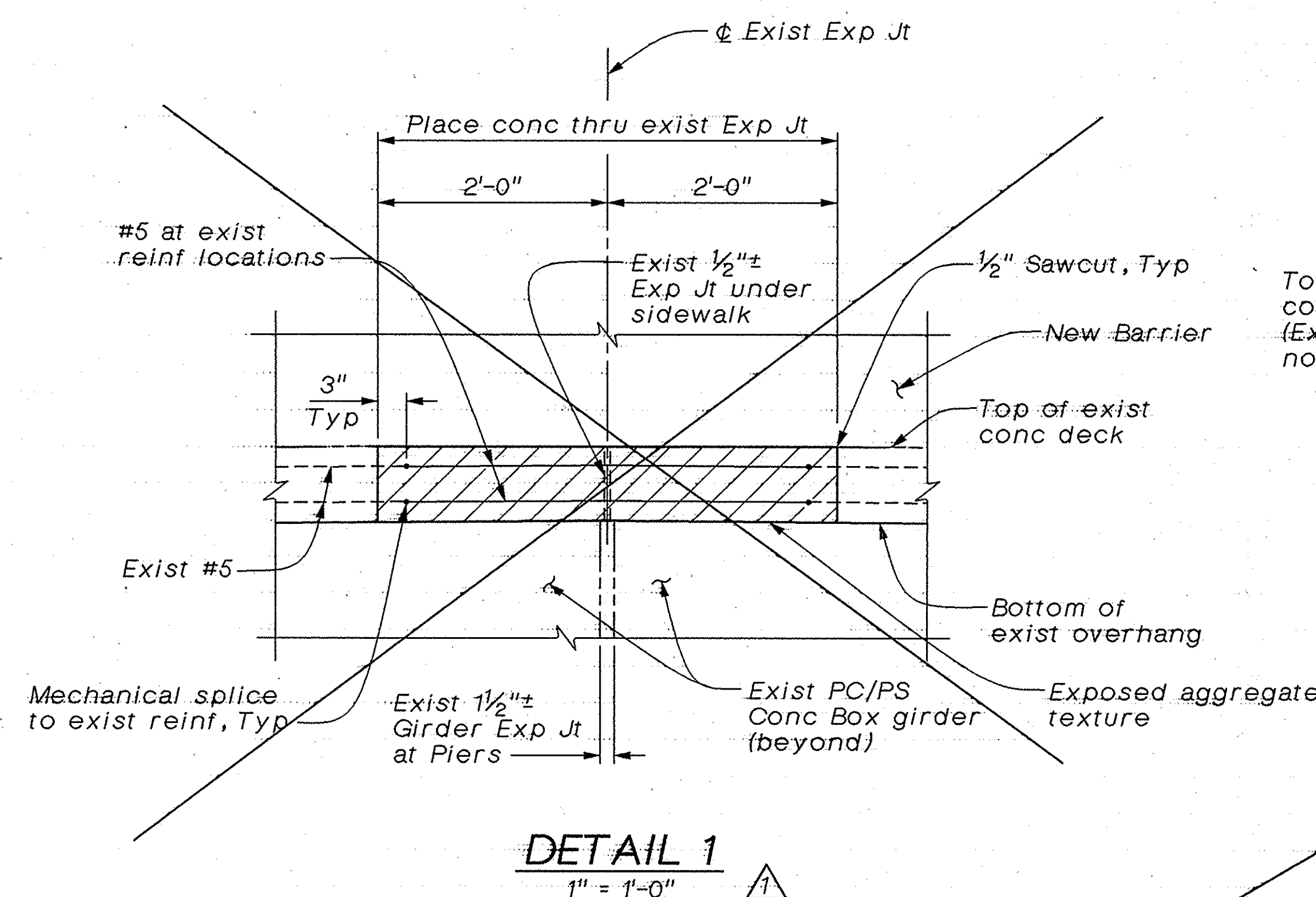
SEISMIC LOADING: ATC-32 ARS Curve
Peak Bedrock Acceleration = 0.6g
Soil Profile = Type D
Fault Moment Magnitude = 7.0
Spectral Acceleration increased by 20%

REINFORCED CONCRETE: Existing Concrete (Assumed for Retrofit Evaluation)
f_y = 40,000 psi
f'_c = 4,500 psi
n = 7

New Concrete (Bridge)
f_y = 60,000 psi
f'_c = 3,250 psi
n = 9

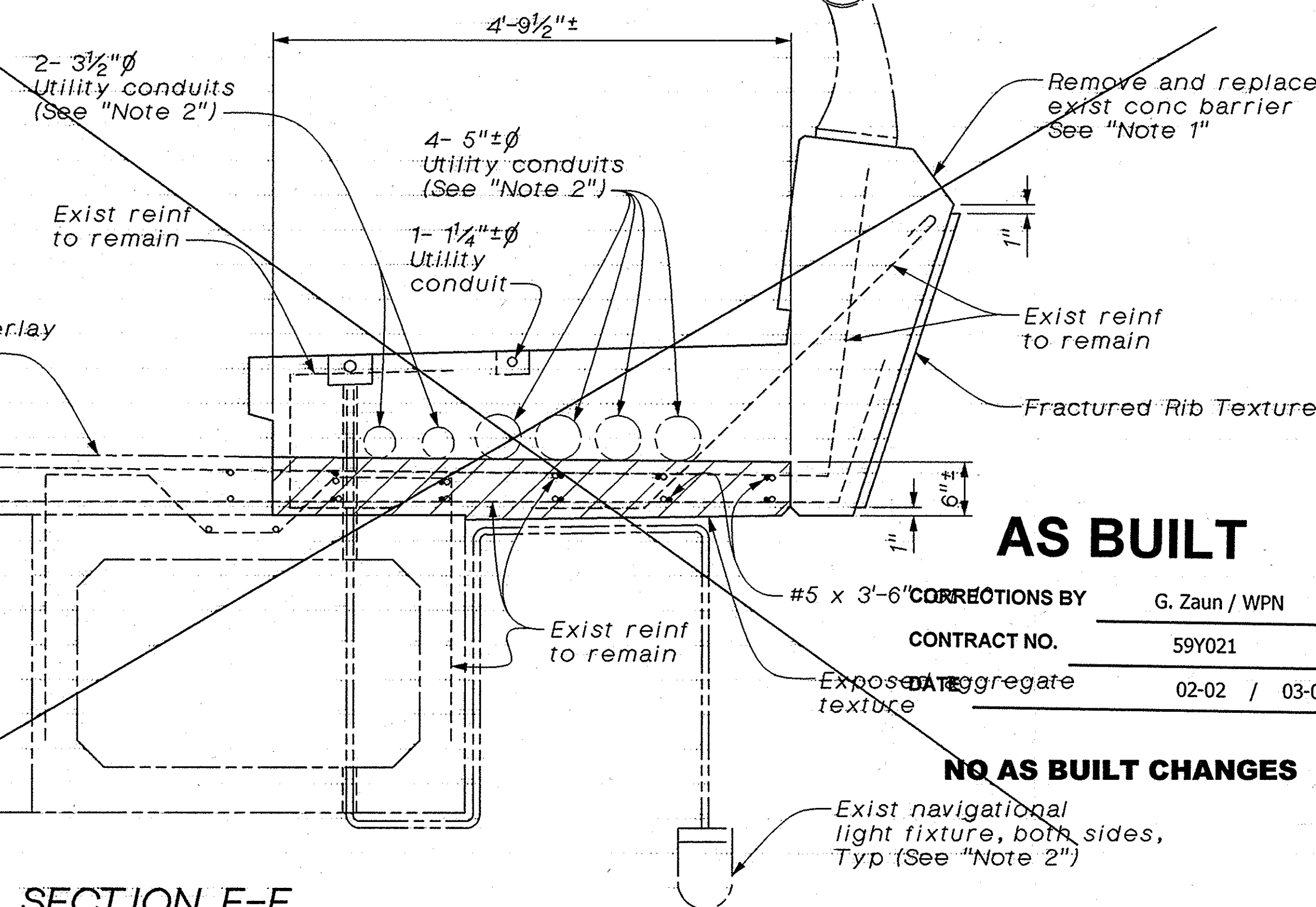
STANDARD PLANS
DATED JULY, 1992

A10A ABBREVIATIONS
A10B SYMBOLS
B0-1 BRIDGE DETAILS
B6-21 JOINT SEALS (MAX MR=2")



DETAIL 1
1" = 1'-0"

SECTION E-E
1" = 1'-0"



AS BUILT

NO AS BUILT CHANGES

- Notes:
- For existing barrier removal and replacement details, see "Barrier Retrofit Details No. 1" and "Barrier Retrofit Details No. 2" sheets.
 - Existing utilities shall be protected in place during construction. See "Special Provisions".
 - For "Section F-F", see "Barrier Retrofit Details No. 2" sheet.

REV	DATE	DESCRIPTION	BY	CHKD
1	11/17/00	Barrier Modification	RA	G.J.N.

EARTHQUAKE RETROFIT

DANA POINT HARBOR BRIDGE

OVERHANG SLAB RETROFIT DETAILS

SHAWN SUN DESIGN OVERSIGHT 11/20/00 SIGN OFF DATE	DESIGN BY G.J.N./H. LAM DETAILS BY H. LAM QUANTITIES BY H. LAM	CHECKED M. ZAHEDI/A. HOU CHECKED J. LU CHECKED A. TRUONG	PREPARED FOR THE COUNTY OF ORANGE	G.J. NASCIMENTO PROJECT ENGINEER	BRIDGE NO. 55C-0561 POST MILE	DISREGARD PRINTS BEARING EARLIER REVISION DATES	REVISION DATES (PRELIMINARY STAGE ONLY) 11/17/00	SHEET 4 OF 9
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ORIGINAL SCALE IN INCHES
FOR REDUCED PLANS

CU 12 152
EA L02106