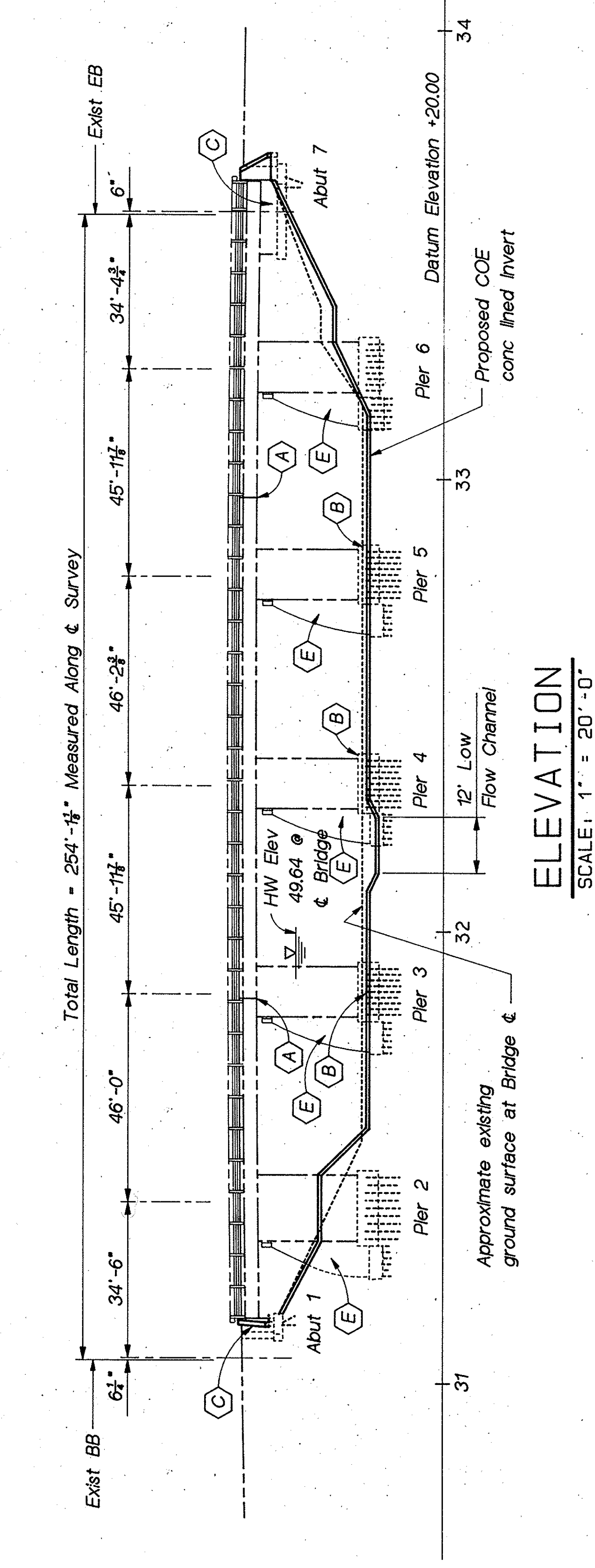
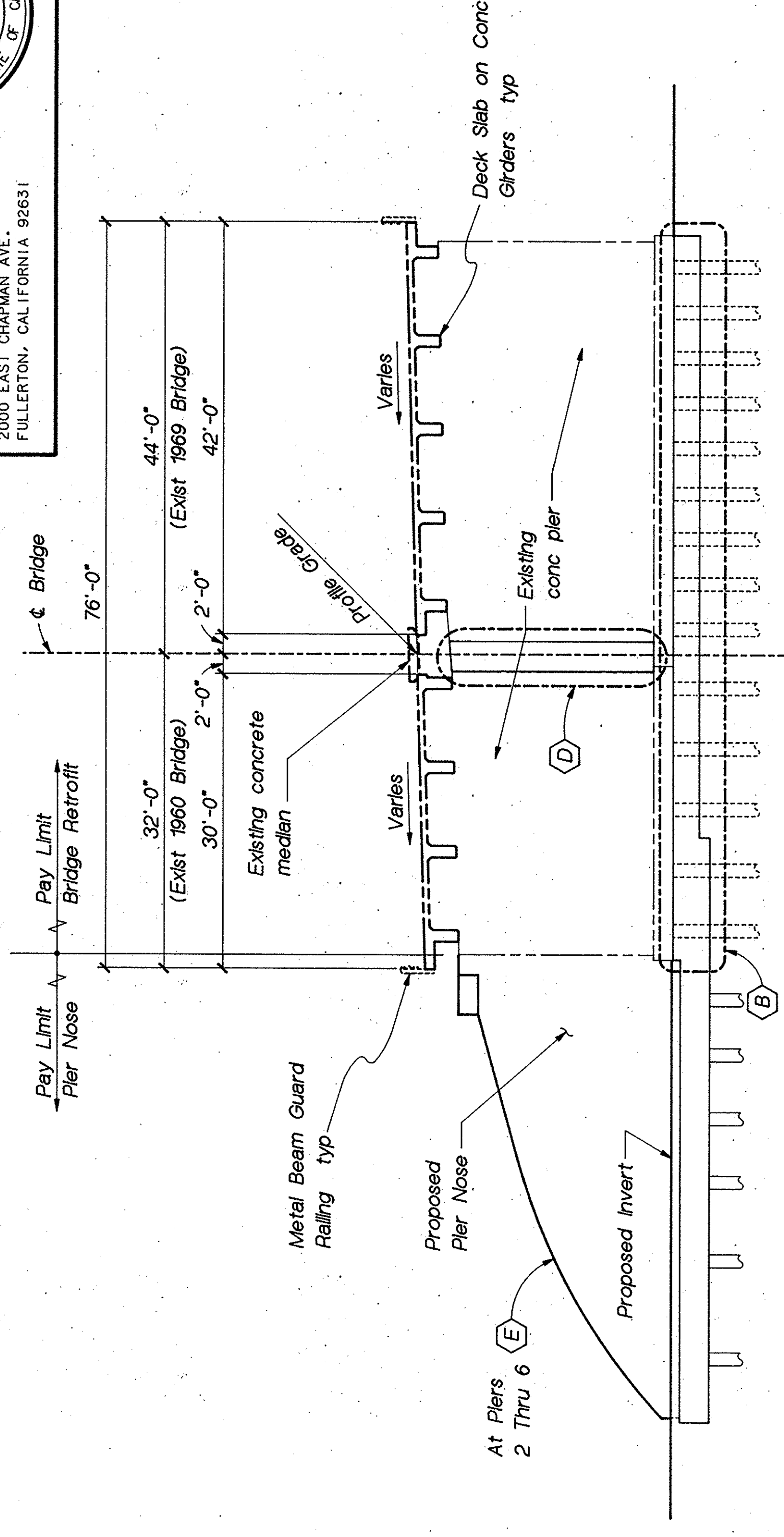
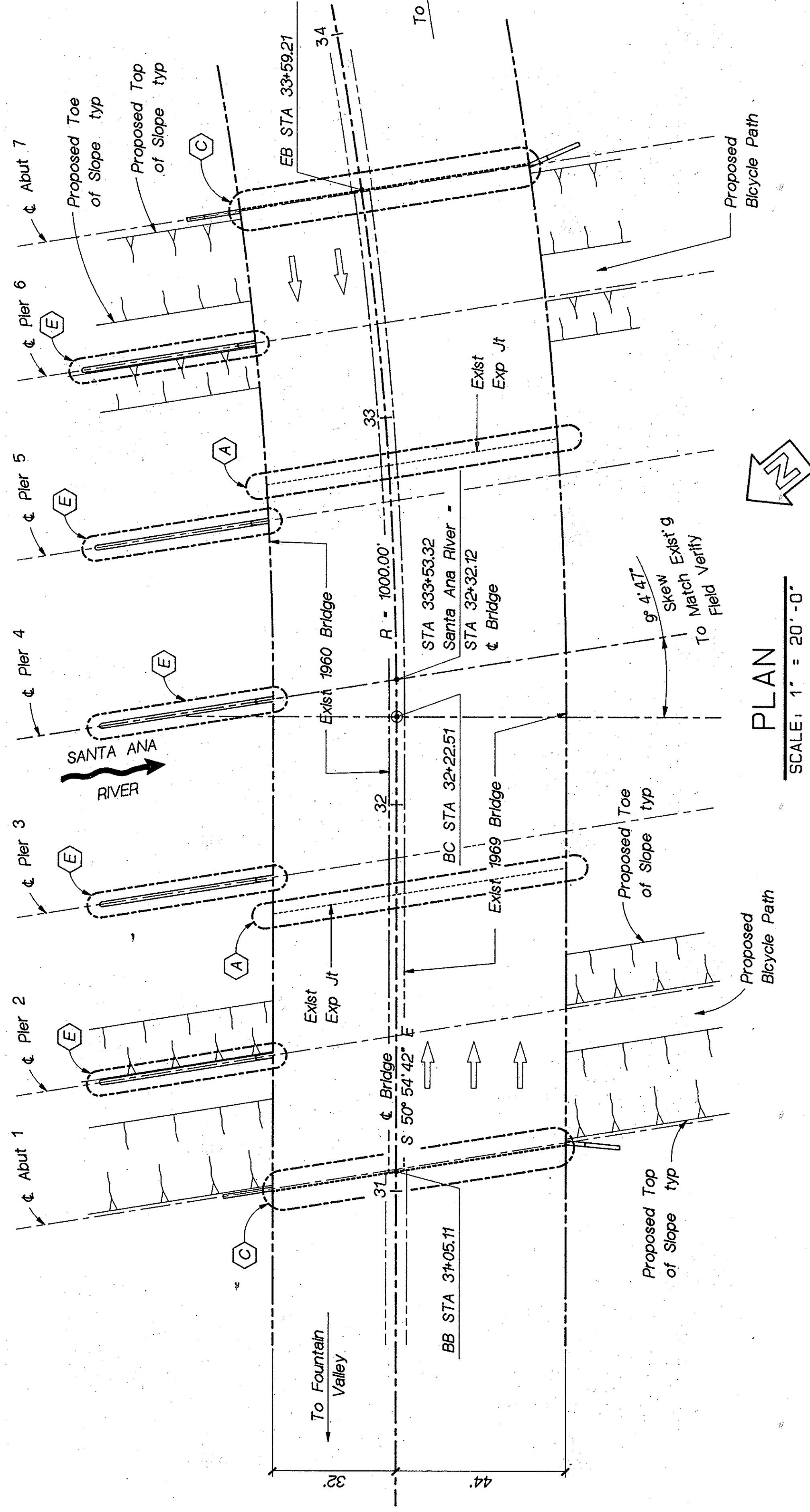




PILE DATA - CLASS 45 PILES				
Location	Design Loading (Service Load)	Specified Tp Elev	Probable Tp Elev	
Piers 2 thru 6	45 Tons	-32'	-37'	



TYPICAL SECTION (PIER 3, 4 & 5)

SCALE: 1" = 10' - 0"

INDEX TO PLANS

SHEET NO.	TITLE
A-11	General Plan
A-12	Abutment 1 & 7 Details
A-13	Piers 3, 4 & 5 Details
A-14	Piers 2 thru 6 Nose Details
A-15	Hinge Details
A-16	Limits of Payment for Excavation and Backfill

RETROFIT CODES

(A)	Restrainer/Shear Key Retrofit
(B)	Foundation Retrofit (In fill Footing) at Piers 3, 4 & 5
(C)	Abutment Retrofit (Strengthening of Backwall)
(D)	Pier Wall Retrofit at Piers 3, 4 & 5 (Pier wall to pier wall connection for shear)
(E)	Pier Nose at Piers 2, 3, 4, 5 & 6 per COE General Design Memorandum

U S Army Corps of Engineers General Design
Memorandum Phase II considered in retrofit
schemes

SYMBOLS

 Indicates Location of Work
 Indicates Existing Structure

GENERAL NOTES: LOAD FACTOR DESIGN

Design:	Bridge Design Specifications (1983 AASHTO with Interims and Revisions by CALTRANS)
Reinforced Concrete:	
Existing Concrete (Assumed):	$f'c = 5,000 \text{ psi}$ $f_y = 44,000 \text{ psi}$
New Concrete (Bridge):	$f'c = 3,250 \text{ psi}$ $f_y = 60,000 \text{ psi}$ $n = 9$
Seismic Design:	Peak Rock Acceleration, $A = 0.5g$ Depth of Alluvium, $150'$

PLAN

SCALE: 1" = 20'-0"

[illegible]