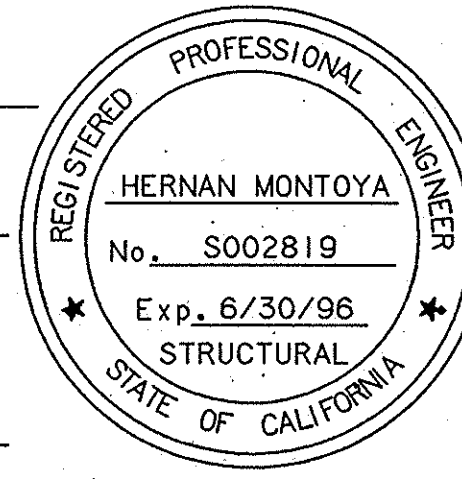


PREPARED UNDER THE SUPERVISION OF
PAUL R. YOUNG, PROJECT MANAGER
REGISTERED STRUCTURAL ENGINEER
PROJECT ENGINEER:
REGISTERED STRUCTURAL ENGINEER



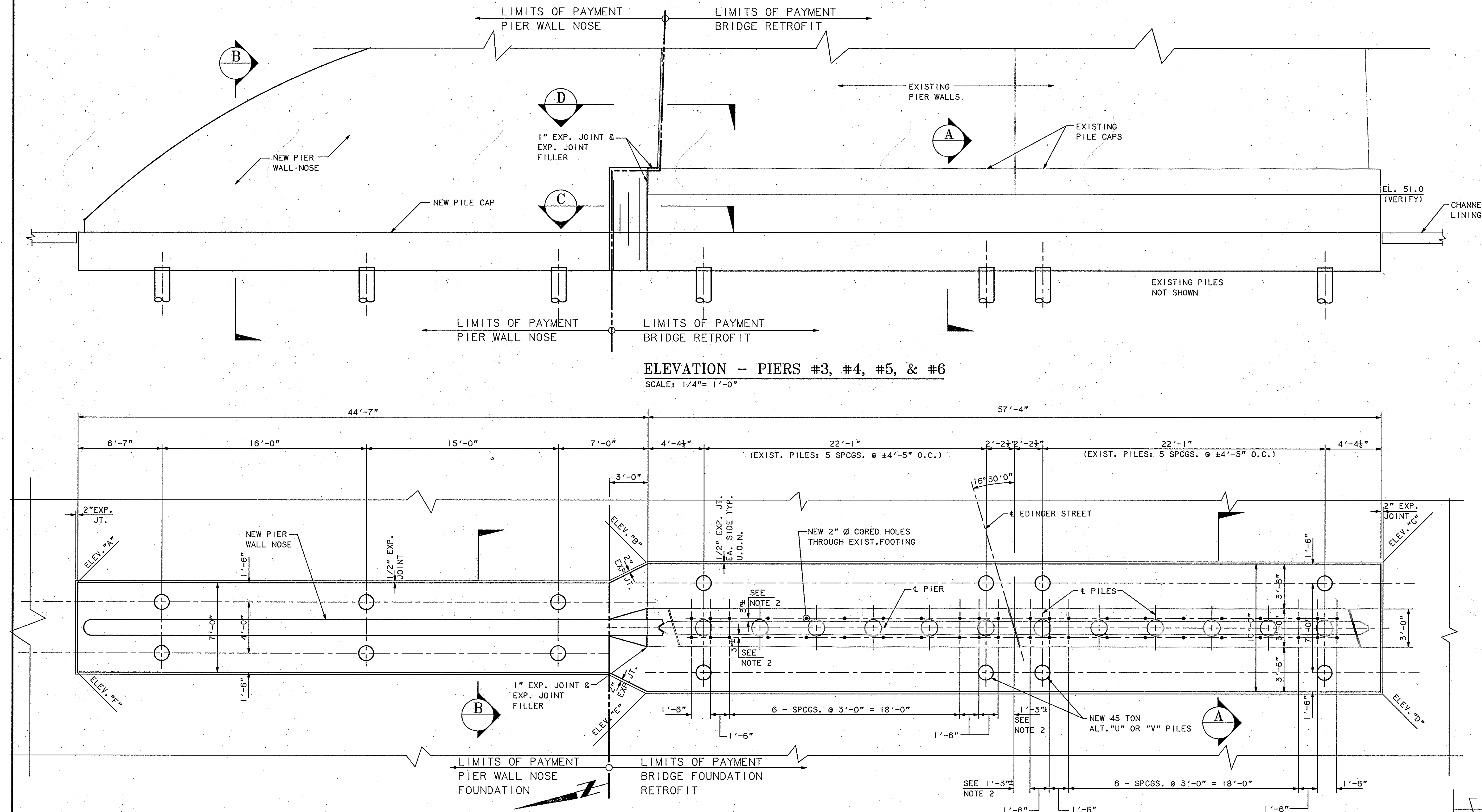
PLANS APPROVAL *Hernan Montoya* 2-24-93 DATE

NOTES:

- CONTRACTOR SHALL VERIFY ALL CONTROLLING FIELD DIMENSIONS PRIOR TO ORDERING OR FABRICATING ANY MATERIAL.
- CONTRACTOR SHALL VERIFY THE ACTUAL LOCATION OF EXISTING PIER DOWELS AND FOOTING REBAR BY PACHOMETER TESTING AND PROBING TO AVOID CUTTING REBAR DURING CORING.
- DOWELS SHALL BE GROUTED IN PLACE WITH SIKAGROUT 212 OR APPROVED EQUAL. INSTALLATION AND GROUT PREPARATION SHALL BE PER GROUT MANUFACTURER RECOMMENDATIONS.
- ALL CONCRETE SURFACES AGAINST WHICH NEW CONCRETE IS TO BE PLACED SHALL BE CLEAN (FREE FROM LAITANCE, DIRT AND OTHER BOND-INHIBITING SUBSTANCE), SOUND AND ROUGHENED TO 1/4" DEPTH TO PROMOTE MECHANICAL ADHESION PRIOR TO POURING NEW CONCRETE. EXISTING CONCRETE SURFACE SHALL BE MOISTENED TO A SATURATED SURFACE-DRY CONDITION.
- SEE DRAWING S-3 FOR CHANNEL CONCRETE LINING INFORMATION.

ELEVATION - PIERS #3, #4, #5, & #6

SCALE: 1/4" = 1'-0"

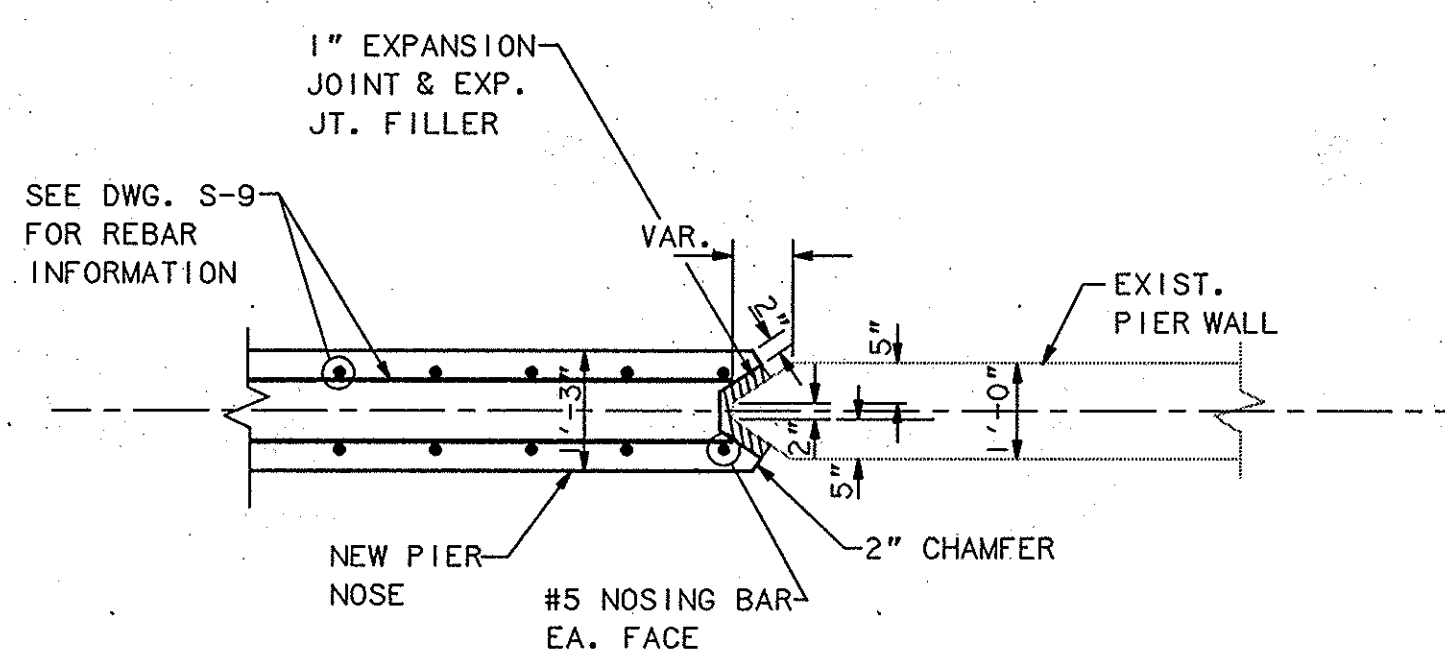


PLAN-PIERS #3, #4, #5, & #6

SCALE: 1/4" = 1'-0"

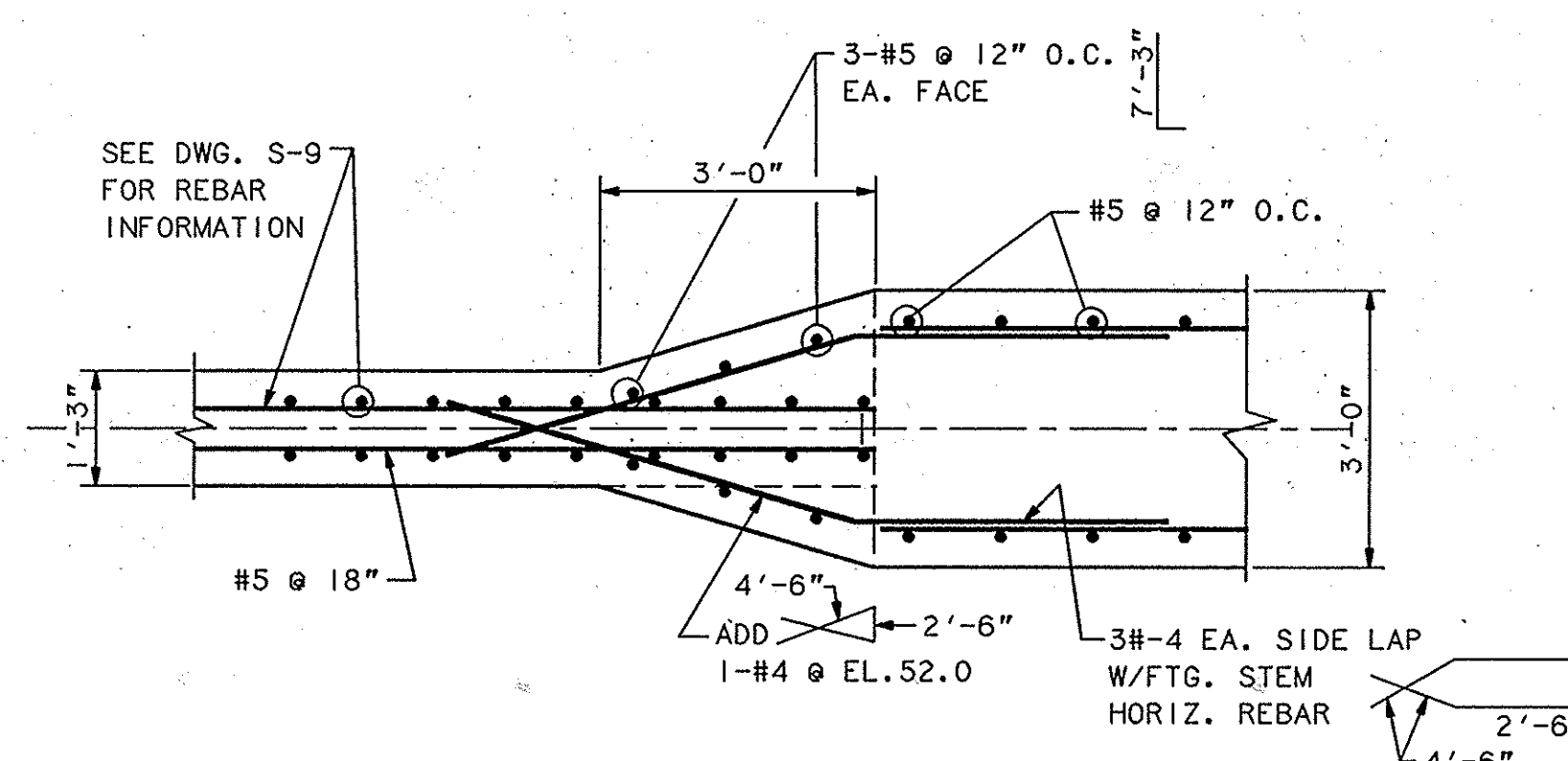
TOP OF FOUNDATION ELEVATIONS

PIER NO.	ELEVATION						
	A	B	C	D	E	F	G
3	47.83	47.72	47.60	47.68	47.80	47.89	44.60
4	47.55	47.44	47.32	47.40	47.52	47.61	44.30
5	47.70	47.61	47.49	47.41	47.53	47.64	44.30
6	47.97	47.88	47.76	47.68	47.80	47.91	44.60



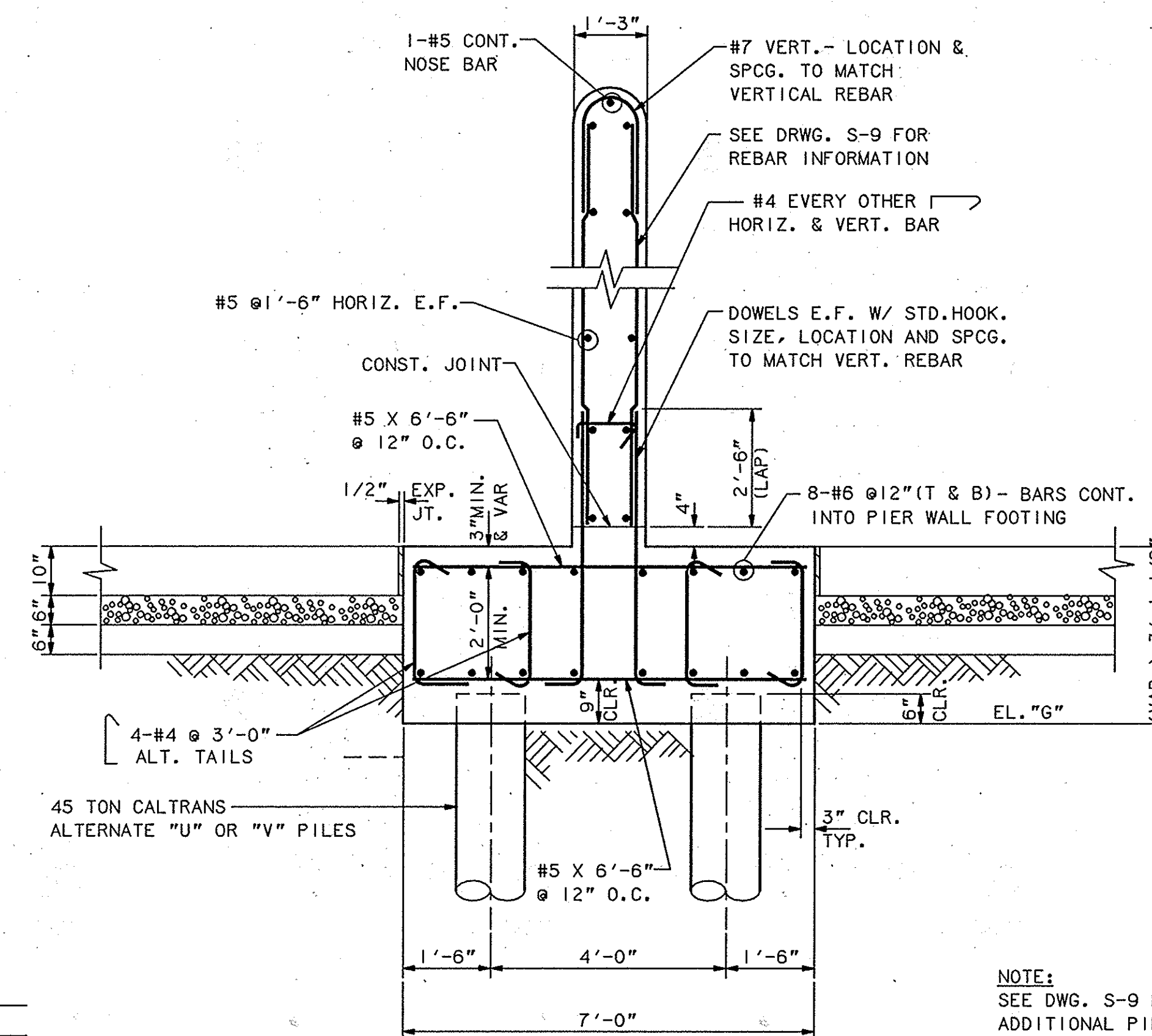
SECTION D

SCALE: 1/2" = 1'-0"



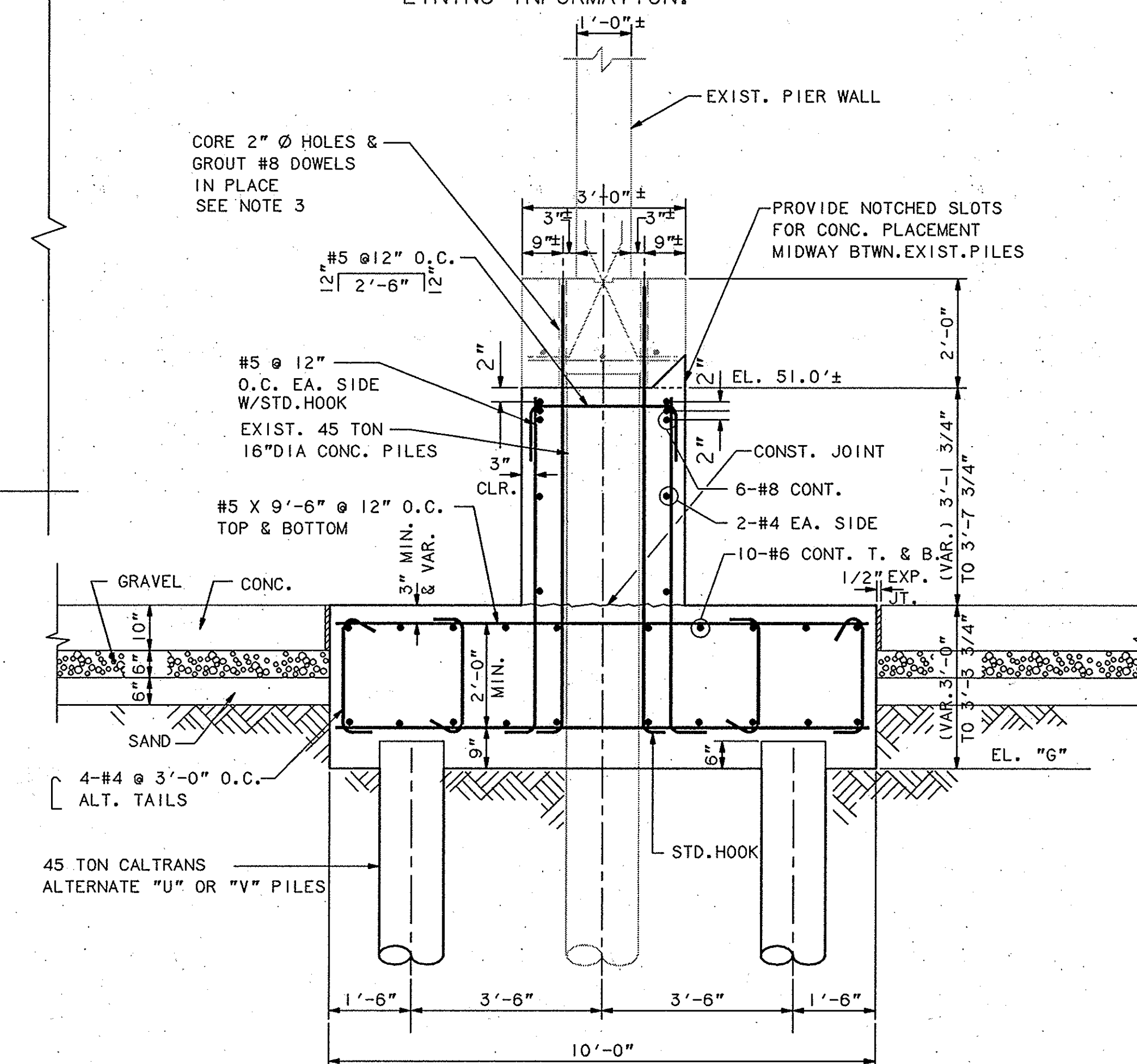
SECTION C

SCALE: 1/2" = 1'-0"



TYPICAL SECTION B

SCALE: 1/2" = 1'-0"



TYPICAL SECTION A

SCALE: 1/2" = 1'-0"

SYMBOL	DESCRIPTIONS	DATE	APPROVAL
REVISIONS			
ROBERT BEIN, WILLIAM FROST & ASSOC. 14725 ALTON PARKWAY IRVINE, CALIFORNIA 92718		U.S. ARMY ENGINEER DISTRICT LOS ANGELES CORPS OF ENGINEERS	
DESIGNED BY:	H.M.	SANTA ANA RIVER MAINSTEM INCLUDING SANTIAGO CREEK, CALIFORNIA	
DRAWN BY:	J.L.S.	LOWER SANTA ANA RIVER CHANNEL (SAN DIEGO FREEWAY TO RIVER VIEW GOLF COURSE)	
CHECKED BY:	HIM/PRY	EDINGER AVENUE BRIDGE FOUNDATION RETROFIT DETAILS PIERS #3, #4, #5 & #6	
SUBMITTED BY:		DATE:	SHEET R-7 OF R-16 SHEETS
		SPEC. NO. DACW09-93-B-	DISTRICT FILE NO. 239/796

COMPUTER
AIDED
DESIGN &
DRAFTING
DESIGN FILE NAME:

NOTE:
SEE DWG. S-9 FOR
ADDITIONAL PIER NOSE
DETAILS & INFORMATION