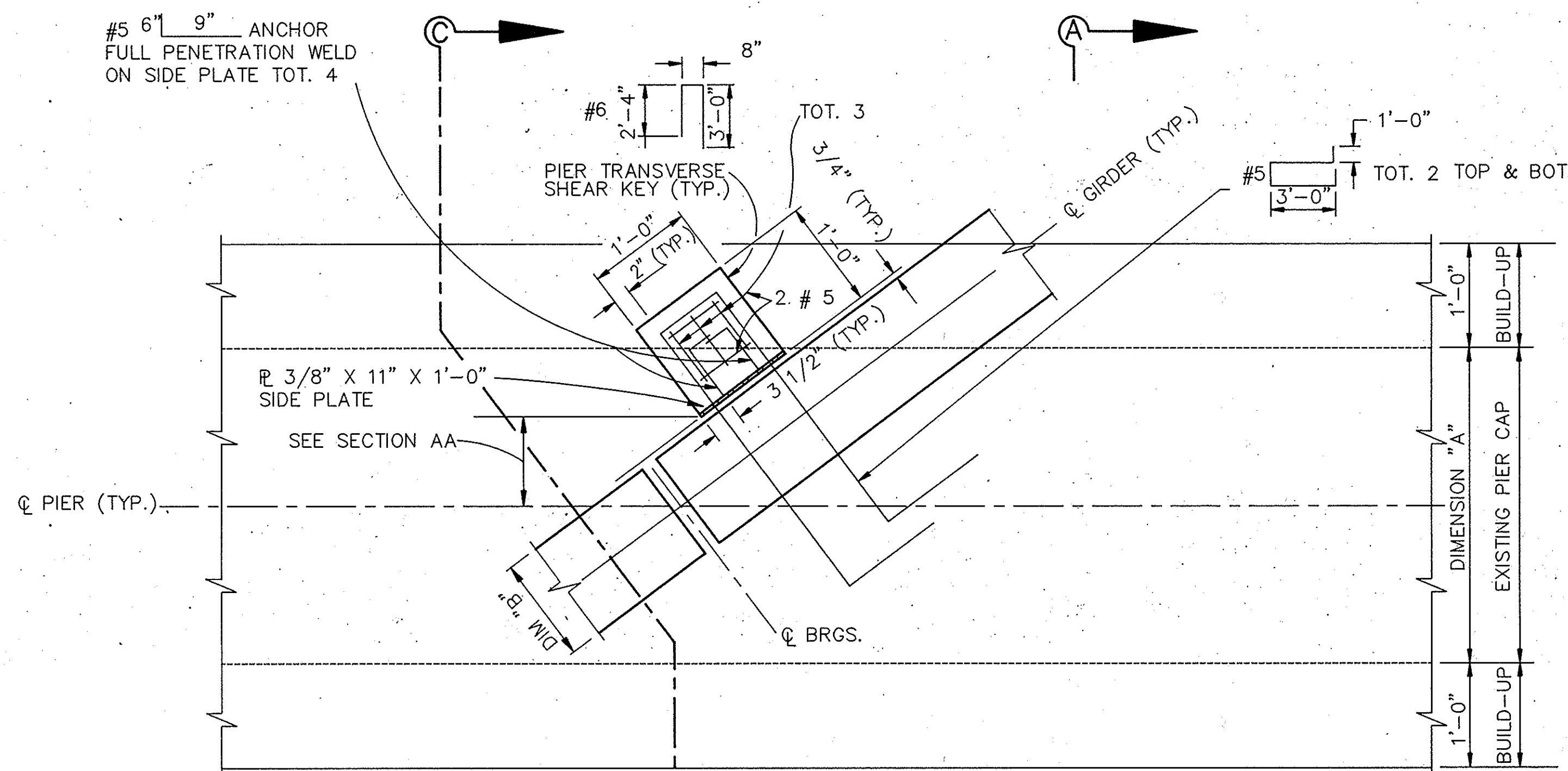
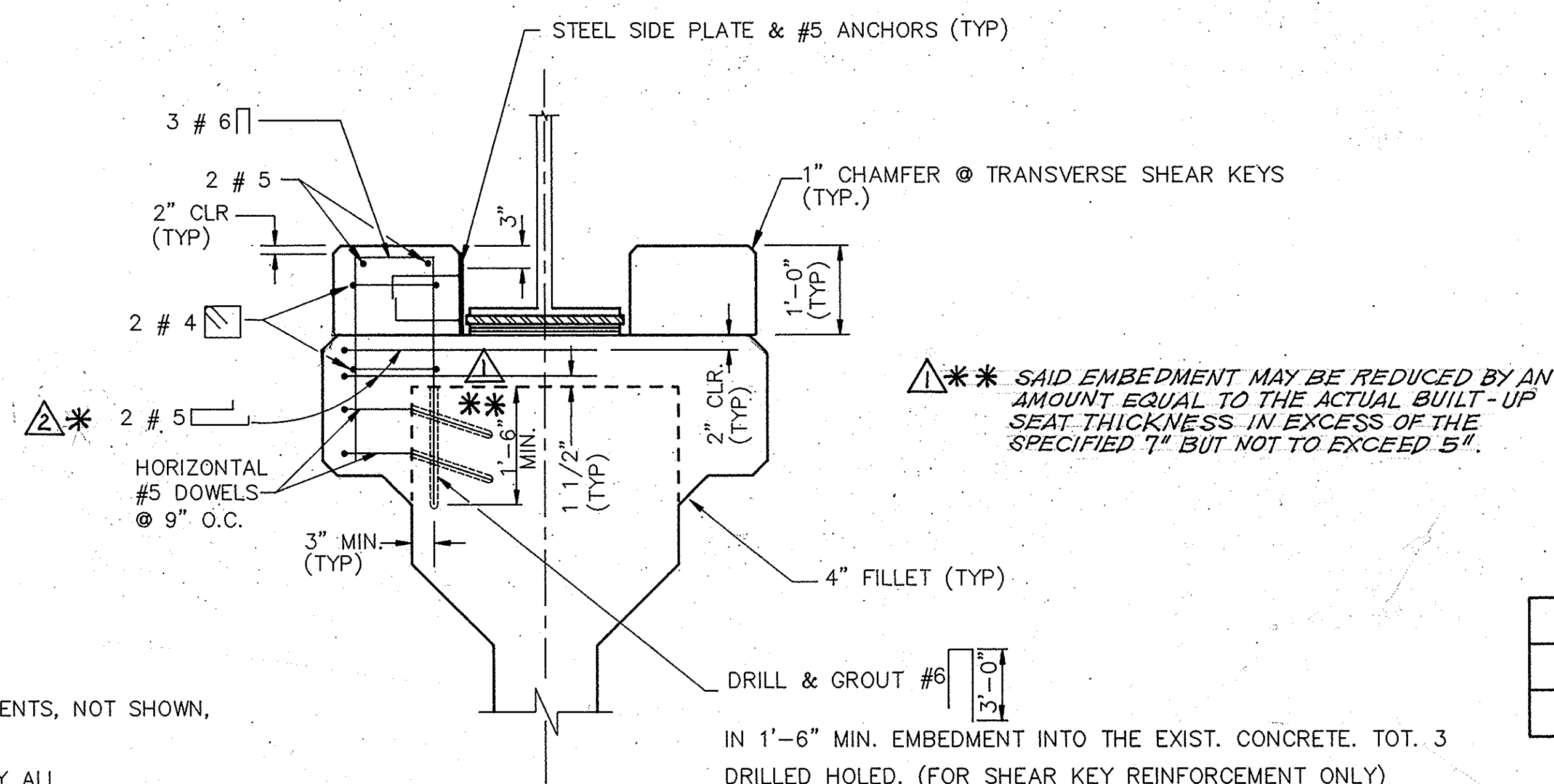


DIST	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET NO.	TOTAL SHEETS
			10-29-90 REGISTERED CIVIL ENGINEER PLANS APPROVAL DATE KERCHEVAL ENGINEERS CIVIL/STRUCTURAL ENGINEERING PLANNING AND SURVEYING SAN DIEGO, CA. 92123 (619) 571-0520 SPONSORING AGENCY		



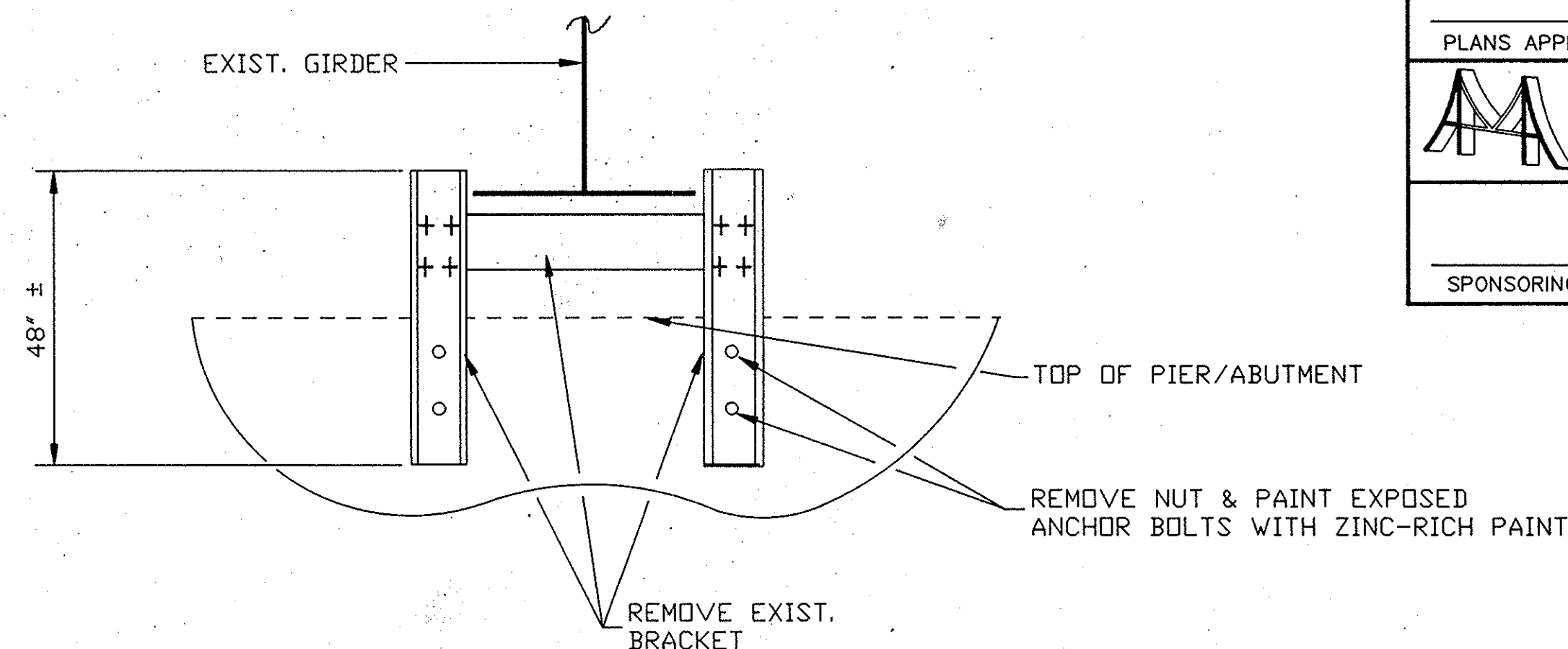
PLAN (SHEAR KEY REINFORCEMENT)

SCALE: 1"=1'-0"



TRANSVERSE SHEAR KEY DETAILS

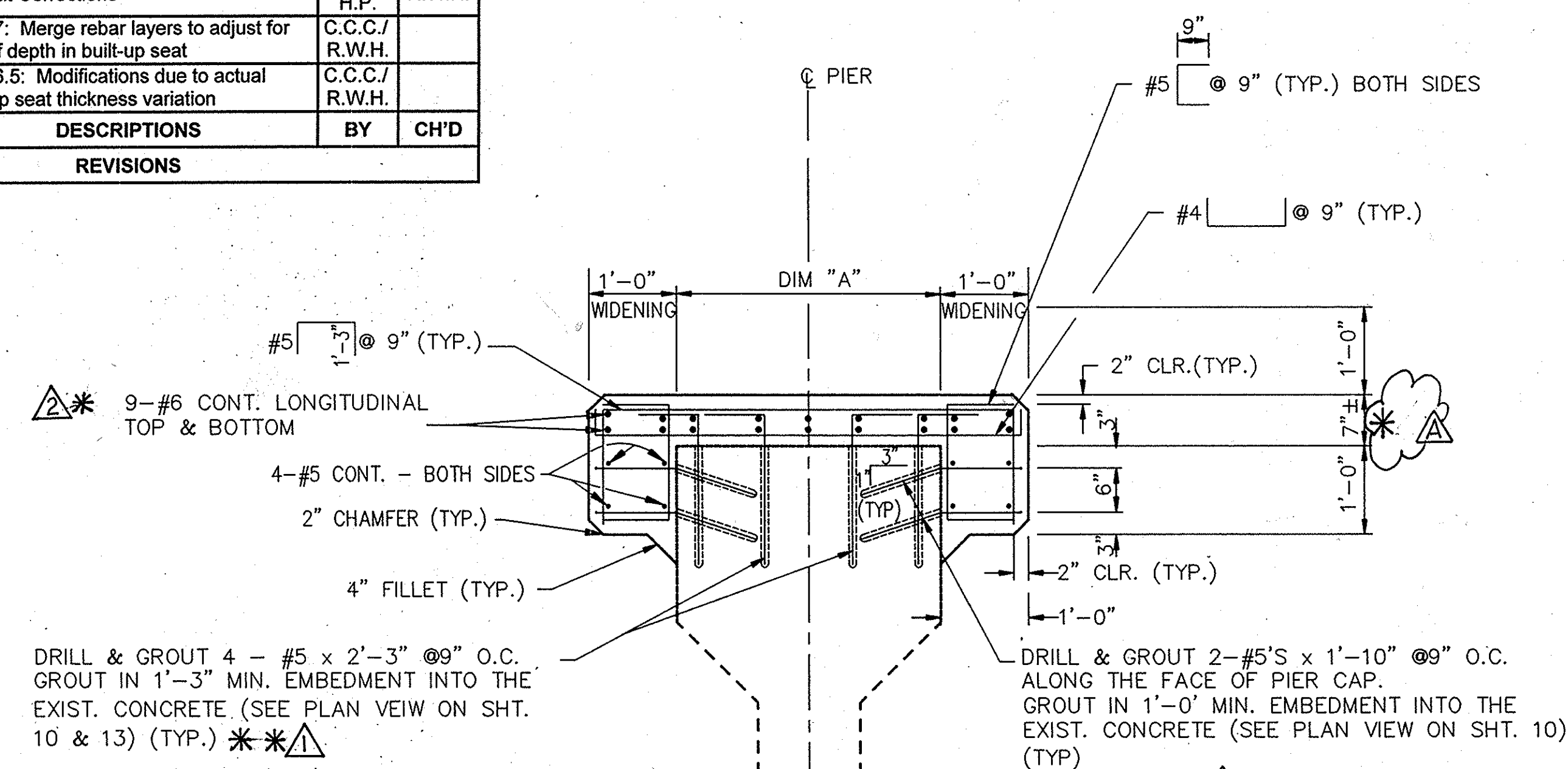
△* THESE 2 LAYERS MAY BE COMBINED AS REQUIRED TO FIT WITHIN THE 1" ± BUILT-UP SEAT THICKNESS.



ELEVATION AT EXISTING TRANSVERSE SHEAR BRACKET (TO BE REMOVED)

NTS

MARK	DATE	DESCRIPTIONS	BY	CH'D
△	8/23/99	As-Built Corrections	C.L./H.P.	R.W.H.
△	11/17/95	RFI #7: Merge rebar layers to adjust for lack of depth in built-up seat	C.C.C./R.W.H.	
△	9/26/95	RFI #6.5: Modifications due to actual built-up seat thickness variation	C.C.C./R.W.H.	
REVISIONS				



(PIER BUILD-UP REINFORCEMENT)

BRIDGE	DIM "A"	DIM "B"
LOS ALAMITOS BRIDGE	3'-0"	12"
CERRITOS AVE. BRIDGE (RT.)	3'-6"	16 1/2"

* DIMENSION VARIES:
CERRITOS BRIDGE RT. 6" ± TO 7" ±
LOS ALAMITOS BRIDGE 6" ± TO 12" ±

△ NOTE: FOR REINFORCEMENT @ PRE-FORMED VERTICAL HOLES SEE SECTIONS A-A AND B-B ON SHEET 18S.

- NOTES:
- OTHER SHEAR KEY REINFORCEMENTS, NOT SHOWN, ARE SIMILAR.
 - THE CONTRACTOR SHALL VERIFY ALL DEPENDENT DIMENSIONS IN THE FIELD BEFORE ORDERING OR FABRICATING ANY MATERIAL.

ALBERT A. KERCHEVAL DESIGN OVERSIGHT SIGNOFF DATE		DESIGN BY CHIN C. CHEN CHECKED DONALD L. ALLEN DETAILS BY CAD / C.E. JONES CHECKED BRYAN PETERS QUANTITIES BY BRYAN D. PETERS CHECKED PON-FIN CHEN	LOAD FACTOR DESIGN BY RON BROWN CHECKED PON-FIN CHEN LAYOUT BY RON BROWN CHECKED PON-FIN CHEN SPECIFICATION BY CHIN C. CHEN CHECKED PON-FIN CHEN	ORIGINAL SCALE IN INCHES FOR REDUCED PLANS PREPARED FOR THE STATE OF CALIFORNIA DEPARTMENT OF TRANSPORTATION	PROJECT ENGINEER CHIN C. CHEN	BRIDGE NO. 55C - 0052 55C - 0264 R POST MILE	EARTHQUAKE RETROFIT PROJECT NO. C05 LOS ALAMITOS BLVD. BR. & CERRITOS AVE. BR. (RT) RETROFIT PIER TRANSVERSE SHEAR KEY DETAILS
ORIGINAL SCALE IN INCHES FOR REDUCED PLANS 0 1 2 3						DISREGARD PRINTS BEARING EARLIER REVISION DATES 11/18/95	REVISION DATES (PRELIMINARY STAGE ONLY) SHEET 12 OF 18