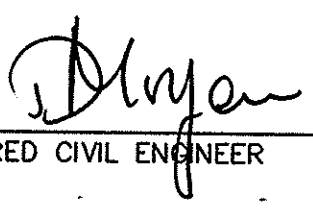
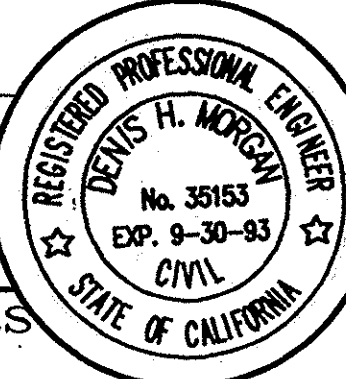
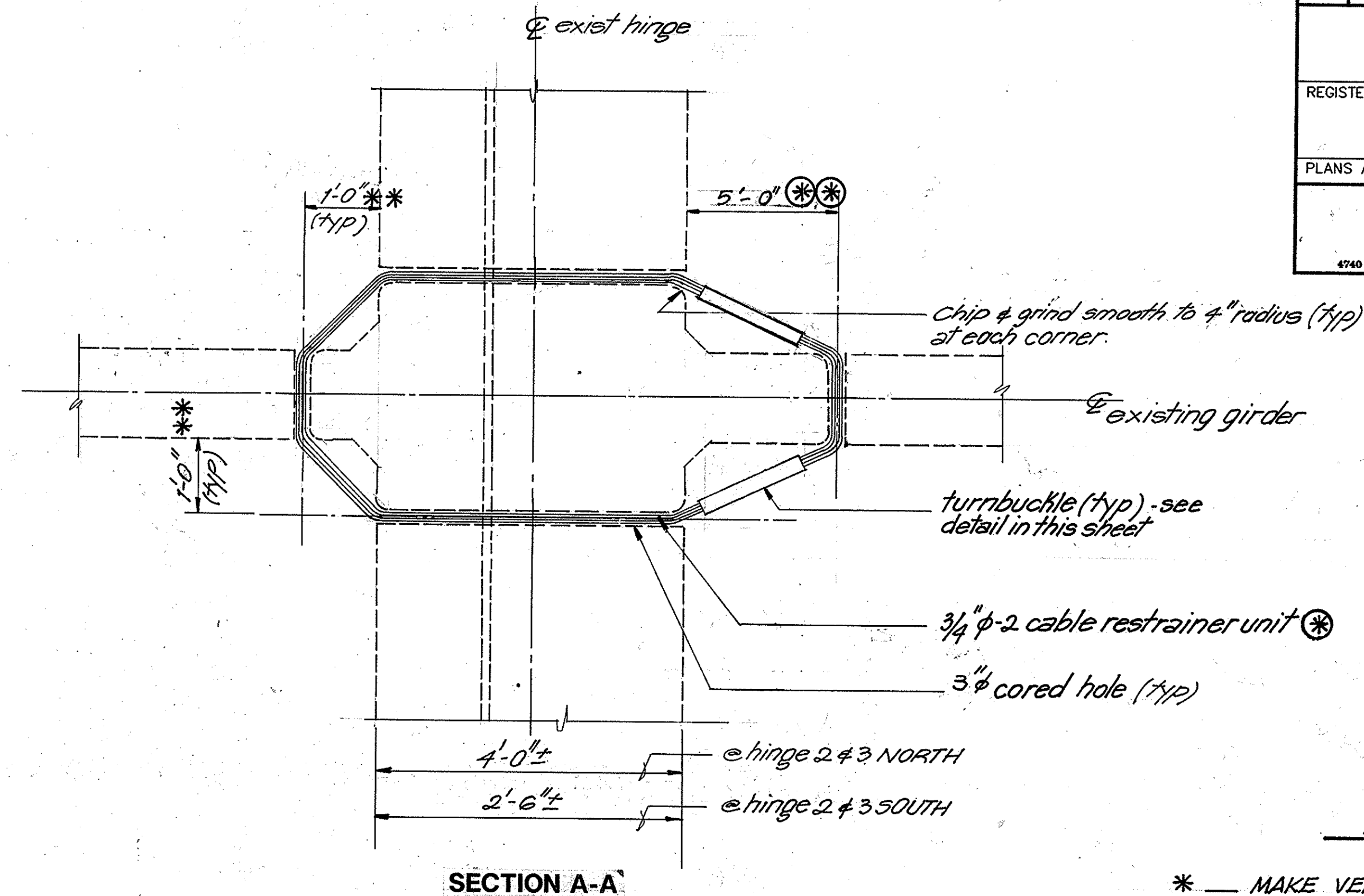
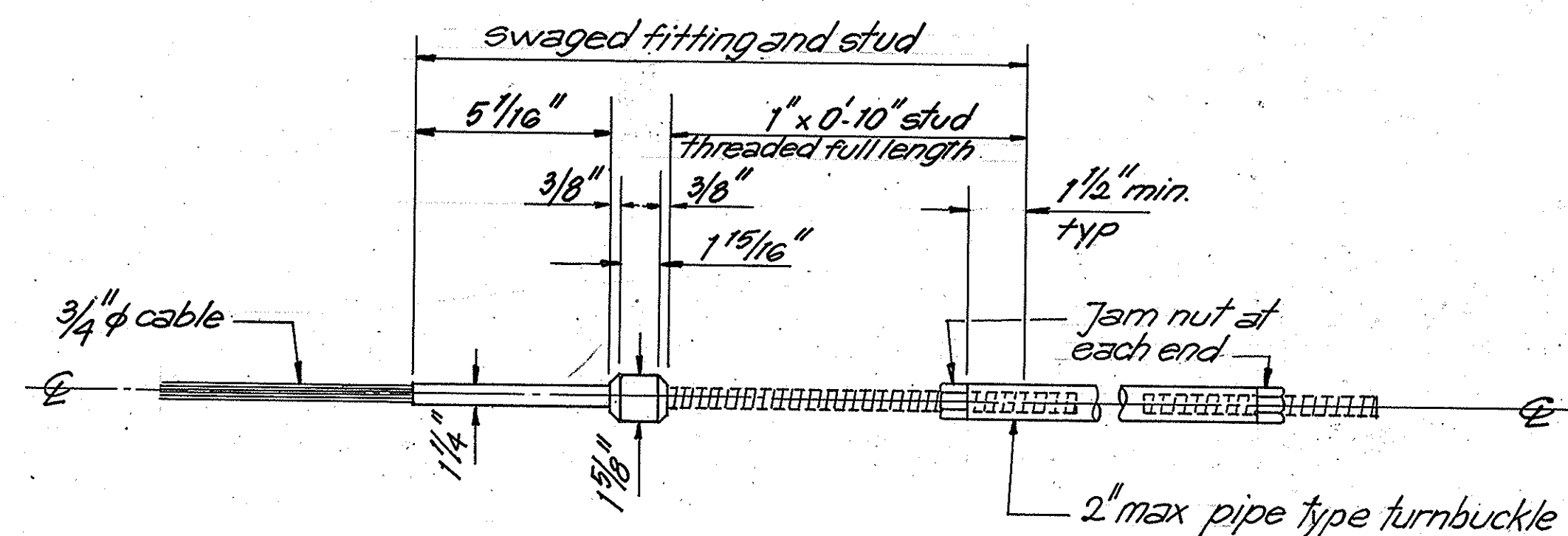


DIST 12	COUNTY ORA	ROUTE	POST MILES TOTAL PROJECT	SHEET NO.	TOTAL SHEETS
 REGISTERED CIVIL ENGINEER					
PLANS APPROVAL DATE KERCHEVAL ENGINEERS CIVIL/STRUCTURAL ENGINEERING CONSTRUCTION MANAGEMENT 4740 MURPHY CANYON RD. SAN DIEGO, CA. 92123 (619) 571-0620					



NOTES

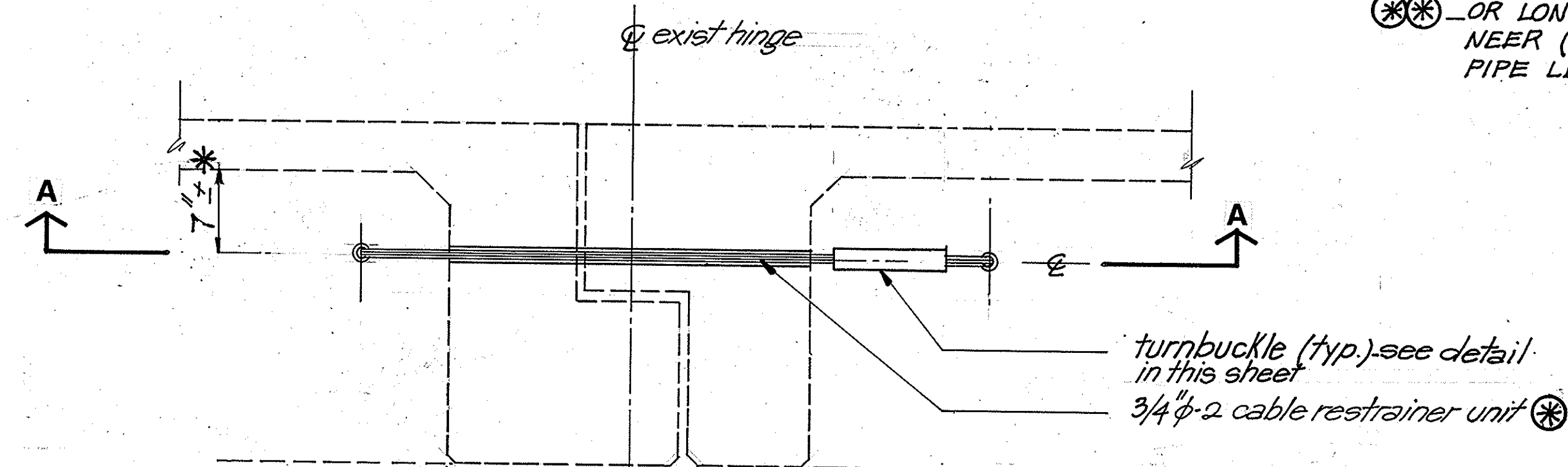
- * — MAKE VERTICAL LOCATION SAME AS THAT OF THE EXISTING CABLE RESTRAINERS (IN ORDER TO MINIMIZE POSSIBILITY OF HITTING HORIZONTAL REBARS)
- ** — 2'-0" @ GIRDER "B", SOUTHBOUND (SEE SHT. #5)
- ⊗ — THIS CONSISTS OF 2 INDEPENDENT SINGLE LOOPS, EACH WITH ITS OWN TURNBUCKLE, AT EACH LOCATION
- ⊗⊗ — OR LONGER AS NEEDED, WITH APPROVAL OF ENGINEER (5'-0" ASSUMES A 1'-6"± TURNBUCKLE PIPE LENGTH)



Note:
2" maximum pipe type turnbuckle with swages fitting & stud with jam nut at each end of cable unit. The turnbuckle must be threaded a minimum of 1 1/2" each end. The turnbuckle shall be tightened to 20ft-lbs & then loosened, 4 turns in Summer, 2 turns in Winter or as directed by the Engineer

TURNBUCKLE DETAIL

3"=1'-0"



SECTION THRU THE HINGE

3/4"=1'-0"

NO RECORD DRAWING CHANGES

RECORD DRAWING

DATE: 04/15/1996

NOTES:
1. THE CONTRACTOR SHALL VERIFY ALL CONTROLLING FIELD DIMENSIONS BEFORE ORDERING OR FABRICATING ANY MATERIAL.

NEW CABLE RESTRAINER UNIT DETAILS.

MIKE CULLEN  DESIGN OVERSIGHT 7-25-93 SIGNOFF DATE		DESIGN BY CHIN C. CHEN CHECKED DENIS H. MORGAN DETAILS BY GABRIELA GEORGESCU CHECKED LIMIN HE QUANTITIES BY LIMIN HE CHECKED K. KRISHNAN	PREPARED FOR THE STATE OF CALIFORNIA DEPARTMENT OF TRANSPORTATION	PROJECT ENGINEER CHIN C. CHEN	BRIDGE NO. 55-C-0130 POST MILE 5.4	SEISMIC RETROFIT PROJECT C46 GLASSSELL STREET BRIDGE HINGE RETROFIT DETAILS 2	
ORIGINAL SCALE IN INCHES FOR REDUCED PLANS 0 1 2 3			CU 59N758-6 EA EQC-046	DISREGARD PRINTS BEARING EARLIER REVISION DATES		REVISION DATES (PRELIMINARY STAGE ONLY) 12/30/94 1/13/95 2-22-95	SHEET 7 OF 7