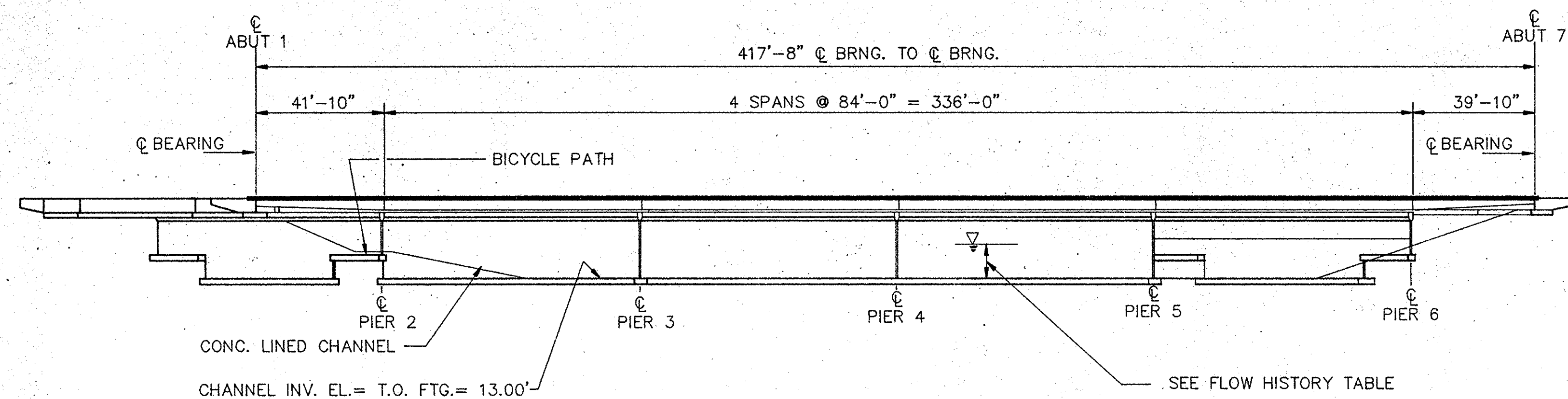


DIST	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET NO.	TOTAL SHEETS

10-29-90
 REGISTERED CIVIL ENGINEER
 PLANS APPROVAL DATE
 KERCHEVAL ENGINEERS
 CIVIL/STRUCTURAL ENGINEERING
 PLANNING AND SURVEYING
 SAN DIEGO, CA 92123
 (619) 571-0520

REGISTERED PROFESSIONAL ENGINEER
 DENIS HUGH MORGAN
 No. 35153
 EXP. 9-30-91
 CIVIL
 STATE OF CALIFORNIA

SPONSORING AGENCY



FLOW HISTORY **

SEASON	MEAN DAILY (CFS)	MEAN DEPTH	PEAK FLOW (CFS)	PEAK DEPTH
1977-78	128.4	1.1'	13,700	7.10'
1978-79	*	*	*	*
1979-80	128.4	1.1'	19,400	8.76'

* RECORD INCOMPLETE
 ** NOT TO BE CONSTRUED AS
 A REPRESENTATIVE SAMPLE

ELEVATION

SCALE: 1"=30'

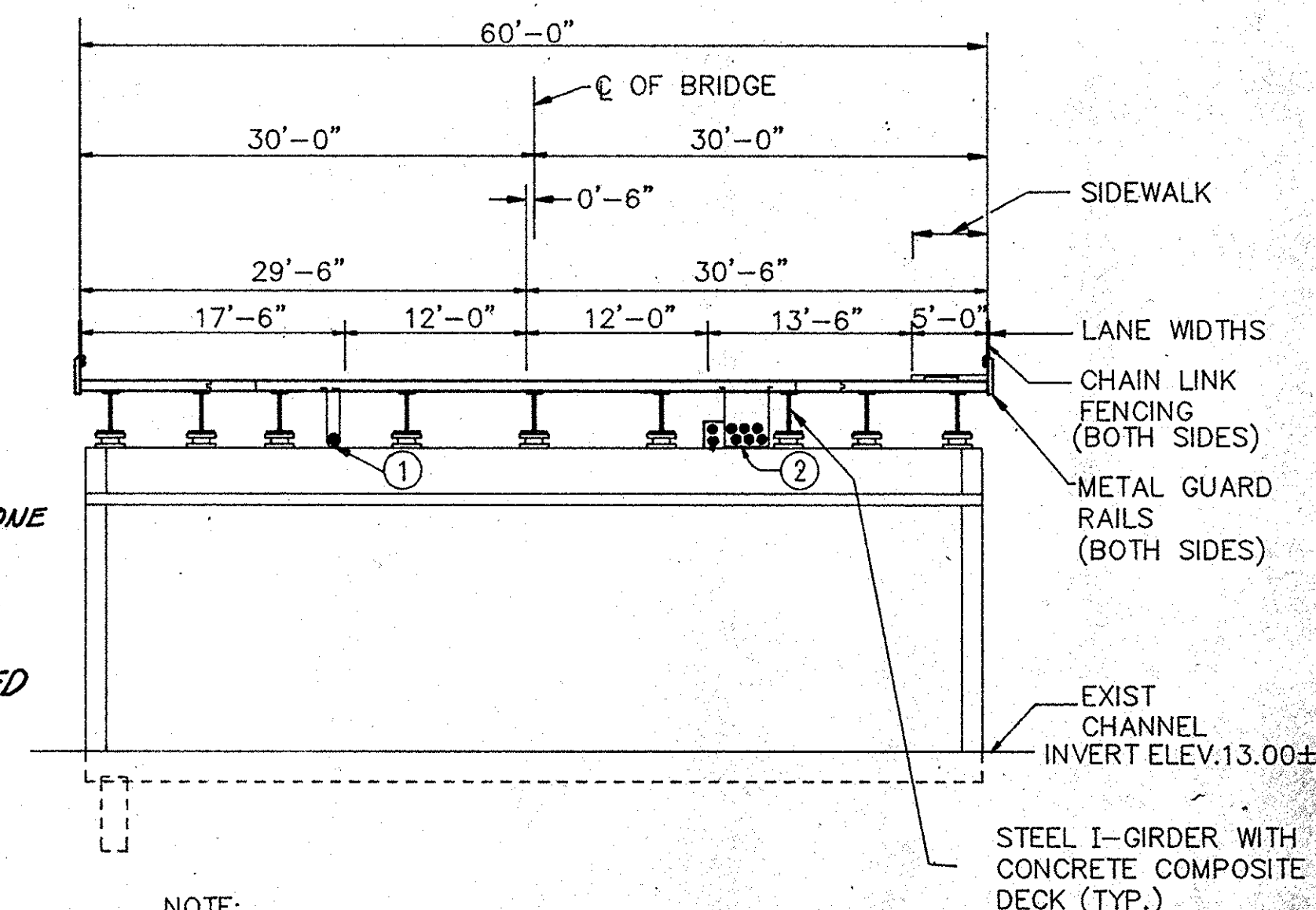
PILING NOT SHOWN

LEGEND:

- ① 8" SHELL CRUDE OIL LINE
 ② 8-3 1/2" GENERAL TELEPHONE CONDUITS

NOTE:

UTILITIES TO BE PROTECTED IN PLACE

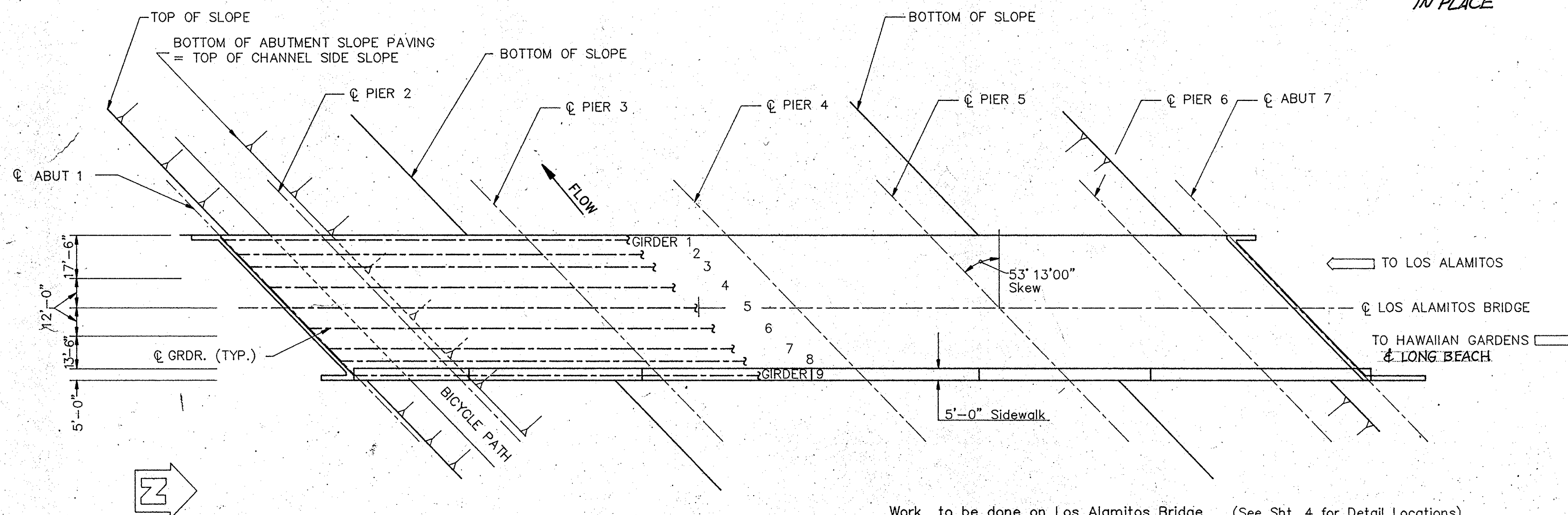


NOTE:

- All piles are not shown.
- Exist. power lines are located at approximately 3'± west of the west edge of deck & approximately 16'± above top of bridge deck
- The Contractor shall verify all Dependent Dimensions in the field before fabricating any material.

TYPICAL SECTION

SCALE: 1"=10'-0"



PLAN

SCALE: 1"=30'

Work to be done on Los Alamitos Bridge (See Sht. 4 for Detail Locations)

- Remove existing Transverse Shear Brackets at all Girders. (See Sht. 12)
- Remove existing Longitudinal Restrainers (Cable Type) at all Girders. (See Sht. 4)
- Replace all existing Bearing Units with Elastomeric Bearing Pads at all Girders. (See Shts. 7 & 8)
- Provide Transverse Shear Keys for all Girders at all Abutments & Piers except Girders No. 3 & 7 (See Shts. 6, 7, 10, 11, & 12)
- Provide Longitudinal Restrainers for girders No. 2, 4, 5, 6, & 8 at all Piers & Abutments. (See Sht. 5)

RECORD DRAWING

NOTE: All elevations shown are based on mean sea level elevation.

ALBERT A. KERCHEVAL DESIGN OVERSIGHT SIGNOFF DATE	DESIGN BY CHIN C. CHEN DETAILS BY CAD / C.E. JONES QUANTITIES BY BRYAN D. PETERS	CHECKED DONALD L. ALLEN CHECKED BRYAN PETERS CHECKED PON-FIN CHEN	LOAD FACTOR DESIGN LAYOUT SPECIFICATION	ORIGINAL SCALE IN INCHES FOR REDUCED PLANS BY RON BROWN BY CHIN C. CHEN	PREPARED FOR THE STATE OF CALIFORNIA DEPARTMENT OF TRANSPORTATION	PROJECT ENGINEER CHIN C. CHEN	BRIDGE NO. 55C-0052 R POST MILE	EARTHQUAKE RETROFIT PROJECT NO. C05 LOS ALAMITOS BLVD. BRIDGE RETROFIT GENERAL PLAN
ORIGINAL SCALE IN INCHES FOR REDUCED PLANS 0 1 2 3						CU EA	DISREGARD PRINTS BEARING EARLIER REVISION DATES 1/18/94	REVISION DATES (PRELIMINARY STAGE ONLY) SHEET 2 OF 18