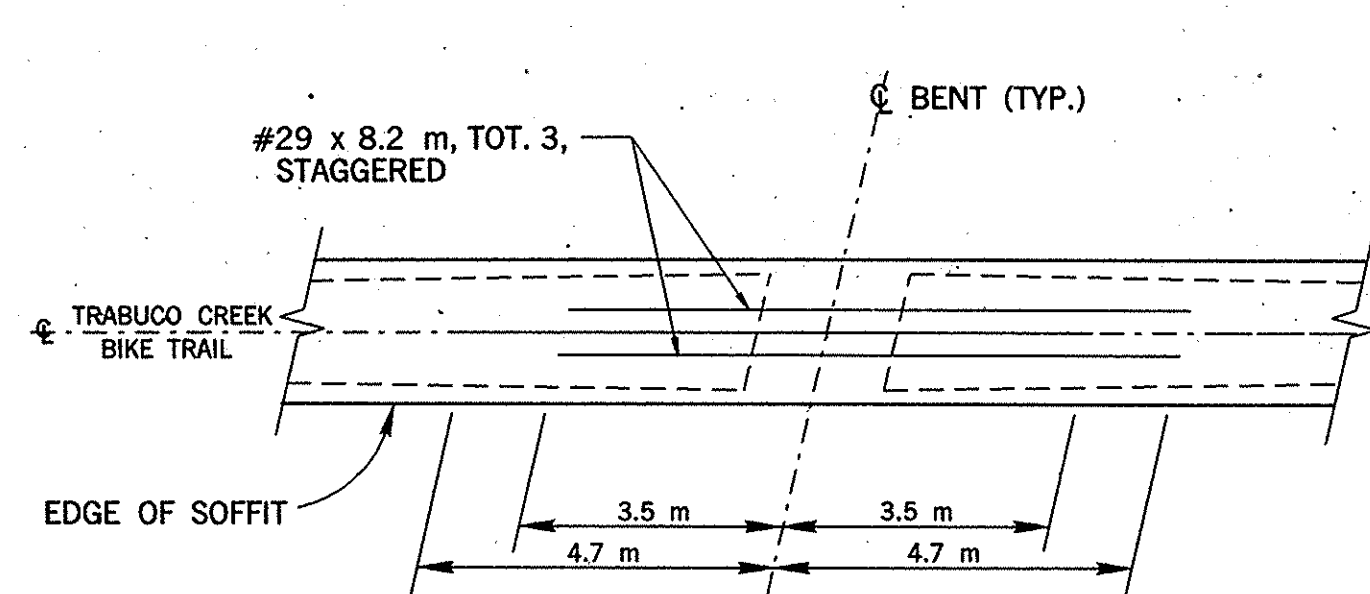
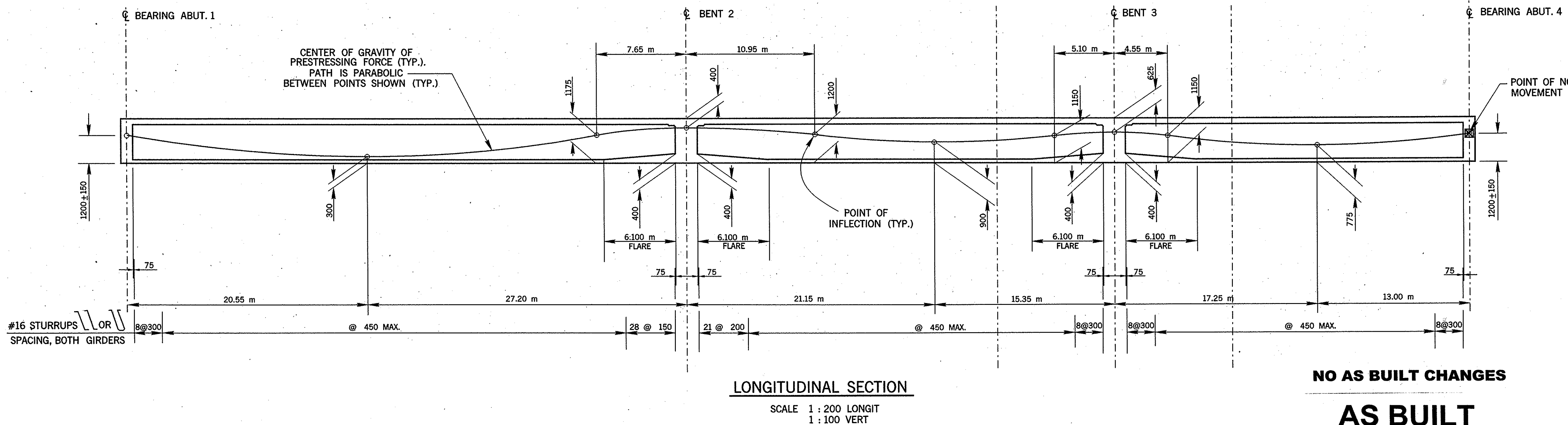
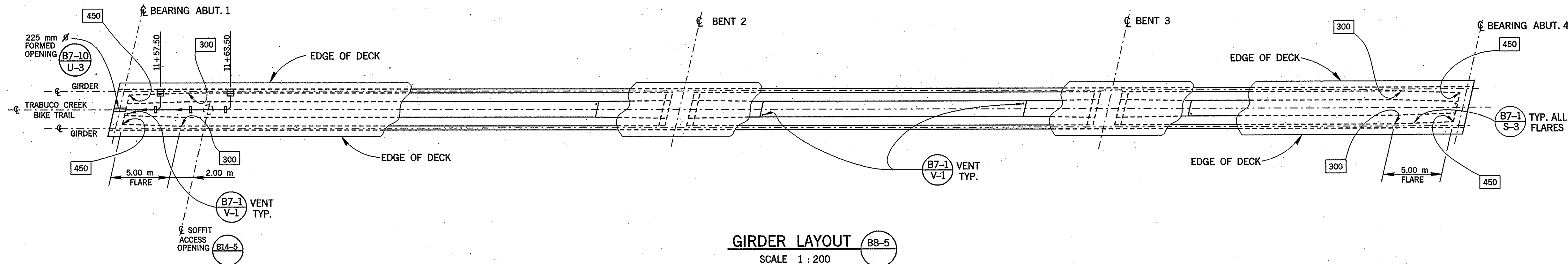
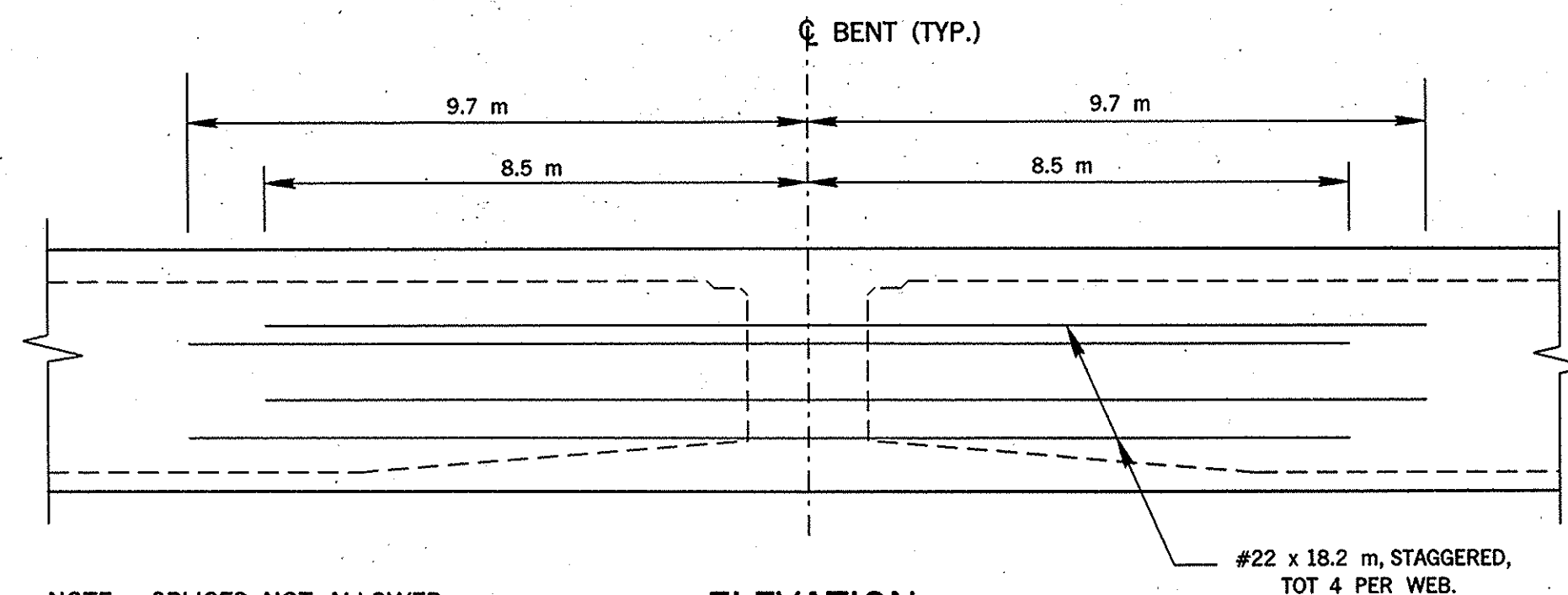




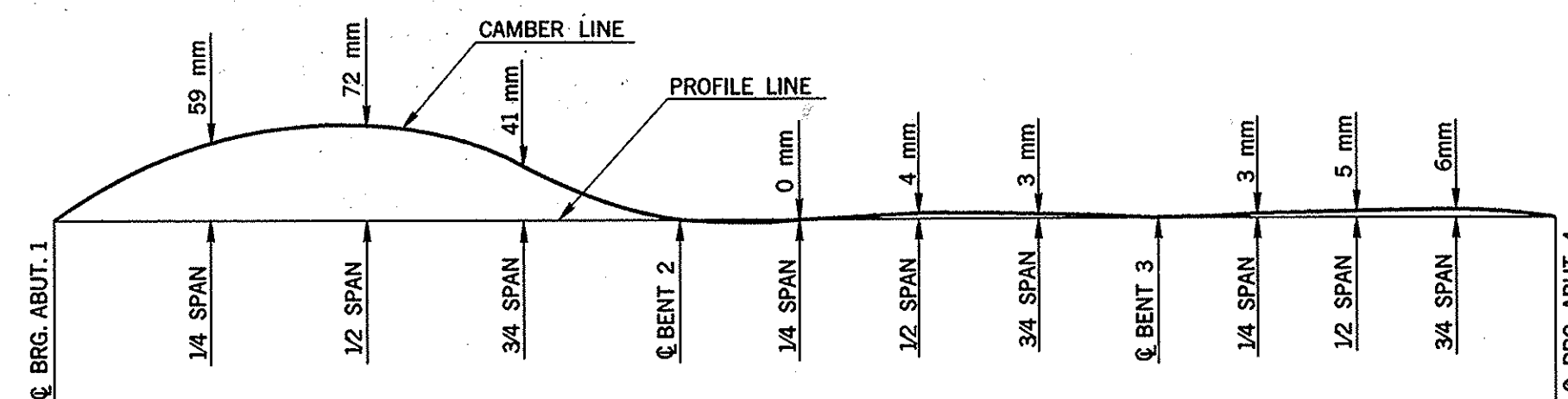
DIST	COUNTY	ROUTE	KILOMETER TOTAL PROJECT	POST No	SHEET No	TOTAL SHEETS
12	Ora	241	30.1		10	19
Richard W. Hoisington, Jr. REGISTERED CIVIL ENGINEER No. 42267 Exp. 3/100 CIVIL STATE OF CALIFORNIA						
PLANS APPROVAL DATE						
COUNTY OF ORANGE PUBLIC FACILITIES & RESOURCES DEPT. 300 N. FLOWER STREET SANTA ANA, CA 92703-5000						
The State of California or its officers or agents shall not be responsible for the accuracy or completeness of electronic copies of this plan sheet.						



ADDITIONAL BOTTOM SLAB REINFORCEMENT AT BENTS
NOTE: SPLICES NOT ALLOWED
SCALE 1:100



ELEVATION
ADDITIONAL WEB REINFORCEMENT AT BENTS
NOTE: SPLICES NOT ALLOWED
SCALE 1:100



CAMBER DIAGRAM
NO SCALE

PRESTRESSING NOTES:

1860 MPa LOW RELAXATION STRAND
Pjack = 15,250 kN
ANCHOR SET = 10 mm
NUMBER OF GIRDERS = 2
DESIGN IS BASED ON:
u = 20×10^{-2} = FRICTION CURV. COEFF.
k = 0 (ZERO) = FRICTION WOBBLE COEFF.

DISTRIBUTION OF FINAL PRESTRESS FORCE (Pjack) BETWEEN GIRDERS SHALL BE 1:1.

CONCRETE f'_c = 35 MPa AT 28 DAYS
 f'_{ci} = 25 MPa AT TIME OF STRESSING

CONTRACTOR SHALL SUBMIT ELONGATION CALCULATIONS BASED ON INITIAL STRESS AT $\square$ = 0.883 TIMES JACKING STRESS.

ONE END STRESSING SHALL BE PERFORMED FROM THE ABUTMENT 1 END ONLY.

FOR ADDITIONAL PRESTRESSING NOTES AND DETAILS NOT SHOWN ADHERE TO (B8-5)

LEGEND

- INDICATES GIRDER FLARE WIDTH IN MILLIMETERS, MEASURED NORMAL TO PLANE OF WEB. SEE (B7-1 S-3)
- INDICATES SINGLE GRATE MODIFIED TYPE "C" DRAIN PER "DECK DRAIN DETAILS" SHEETS, @ STATION xx.xx.
- INDICATES DIRECTION OF FLOW.
- INDICATES DECK DRAIN PIPE SUPPORT, PER "DECK DRAIN DETAILS" SHEETS.

CAMBER NOTE:

CAMBER LINE DOES NOT INCLUDE ALLOWANCE FOR FALSEWORK SETTLEMENT.

ALL DIMENSIONS ARE IN MILLIMETERS UNLESS OTHERWISE SHOWN

DESIGN OVERSIGHT
STEVE NAKAO
6/2/99
SIGN OFF DATE

DESIGN	BY RICH HOISINGTON	CHECKED JOHN SARAH McLEAN & SCHULTZ
DETAILS	BY RICH HOISINGTON	CHECKED JOHN SARAH McLEAN & SCHULTZ
QUANTITIES	BY RICH HOISINGTON	CHECKED JOHN SARAH McLEAN & SCHULTZ

PREPARED FOR THE
STATE OF CALIFORNIA
DEPARTMENT OF TRANSPORTATION

RICH HOISINGTON
PROJECT ENGINEER

BRIDGE NO.
55-953
KILOMETER POST
30.1

TRABUCO CREEK BIKE TRAIL OVERCROSSING
GIRDER LAYOUT

DESIGN DETAIL SHEET (METRIC) (REV. 9/2/98)

ORIGINAL SCALE IN MILLIMETERS FOR REDUCED PLANS
0 10 20 30 40 50 60 70 80 90 100

CU
EA

DISREGARD PRINTS BEARING EARLIER REVISION DATES

REVISION DATES (PRELIMINARY STAGE ONLY)

SHEET 10 OF 19

FILE -> \$REQUEST
d:\cadd\metric\trabuco\trabecgdr.dgn (2D)

Scale 200:1