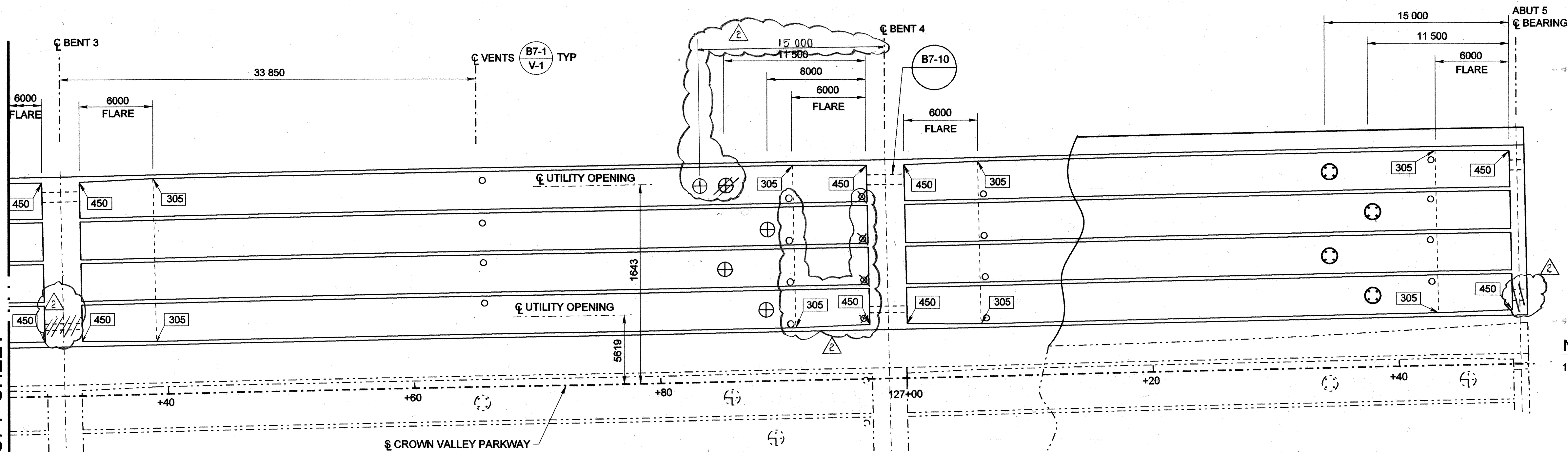
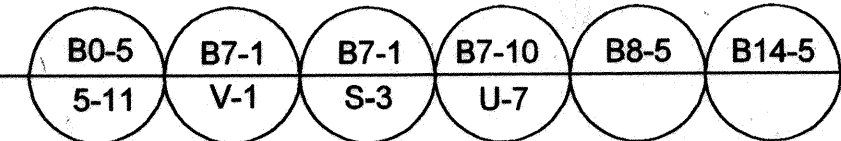


MATCH LINE SEE "GIRDER LAYOUT NO. 1" SHEET



GIRDER LAYOUT
1:200



LEGEND

- INDICATES GIRDER STEM WIDTH
- SOFFIT ACCESS OPENING (B14-5)
- DECK ACCESS OPENING (B7-11)
- VENT (B7-1 V-1)

NOTES:

- FOR CAMBER DIAGRAM, SEE "INDEX TO PLANS SHEET".

PRESTRESSING NOTES:

1862 MPa LOW RELAXATION STRAND:
PJACK = 73 675 kN
TOTAL # GIRDERS = 5 ANCHOR SET = 10 mm
DISTRIBUTION OF PRESTRESS FORCE (PJACK) BETWEEN GIRDERS SHALL NOT EXCEED THE RATIO OF 3:2.
THE MAXIMUM FINAL FORCE VARIATION BETWEEN GIRDERS SHALL NOT EXCEED 3250 kN.

CONCRETE: $f_c = 34.5$ MPa @ 28 DAYS
 $f_c = 25$ MPa @ TIME OF STRESSING.

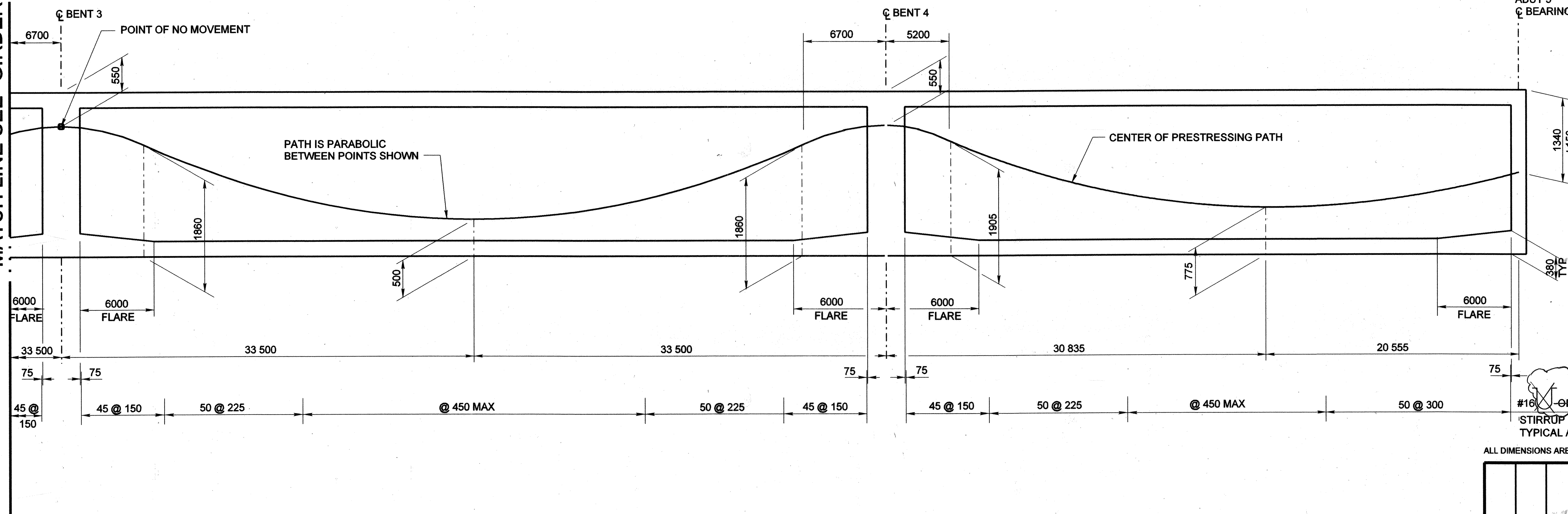
CONTRACTOR SHALL SUBMIT ELONGATION CALCULATIONS BASED ON INITIAL STRESS AT $X = 0.798$ TIMES JACKING STRESS (POINT OF NO MOVEMENT).

DESIGN BASED ON $K = 0.00066$ PER M ($K = 0.0002$ PER FT) AND $\lambda = 0.25$.

TWO END STRESSING SHALL BE PERFORMED.

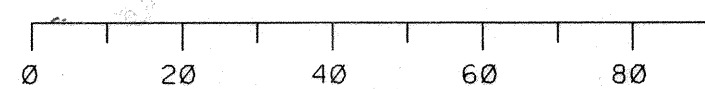
FOR PRESTRESSING DETAILS NOT SHOWN, SEE

B8-5



LONGITUDINAL SECTION
1:200

FOR REDUCED PLANS ORIGINAL SCALE IS IN MILLIMETERS



ALL DIMENSIONS ARE IN MILLIMETERS UNLESS NOTED OTHERWISE.



2		2-14-06		AS BUILT	
MARK	DATE	DESCRIPTION			
REVISIONS					
PREPARED UNDER RESPONSIBLE CHARGE OF:					
H. YEE 54757 12/31/03 DATE					
HILTON L YEE CE 64789 EXP. 12-31-03					

ORANGE COUNTY PUBLIC FACILITIES AND RESOURCES DEPARTMENT	
CROWN VALLEY PARKWAY BRIDGE (WIDENING) OVER ARROYO TRABUCO GIRDER LAYOUT NO. 2	
DESIGNED: H. YEE	SHEET 38
DRAWN: R. DANLEY	CHECKED: J. SARAH
SCALE: AS SHOWN	DATE: MAY 01, 2003
DRAWING NO.	OF 55

File Name: M:\26144\Struct\layout2_w.dgn
Date Plotted: 8/5/2003 14:32:36

Last modified: 30-Apr-1998