VICINITY MAP

CONVENTIONAL SIGNS

TREE STUMPS 20 16

CONVENTIONAL
COUNTY OF THE CONVENTIONAL

PROJECT LOCATION

EL TORG

ORANGE COUNTY ROAD DEPT.

CALIFORNIA STATE OF

PLANS FOR WIDENING OF SANTA ANA AVE. BRIDGE DE -12 > PE=124

ACROSS FLOOD CONTROL CHANNEL FO I

INDEX OF SHEETS

Description

TITLE SHEET

GENERAL PLAN

BRIDGE PLAN

MISCELLANEOUS DETAILS

GUARD RAIL & FENCE DETAILS

PILE DETAILS

COUNTY OF ORANGE SANTA ANA AVE. PALISADES BEGIN PROJECT STA. 14+29 BRIDGE WIDENING COUNTY OF ORANGE

ALL WORK WITHIN THE FLOOD CONTROL DISTRICT CONTRACTOR SHALL HAVE A COPY OF SAID PERMIT AND STAMPED PLANS ON THE JOB SITE.

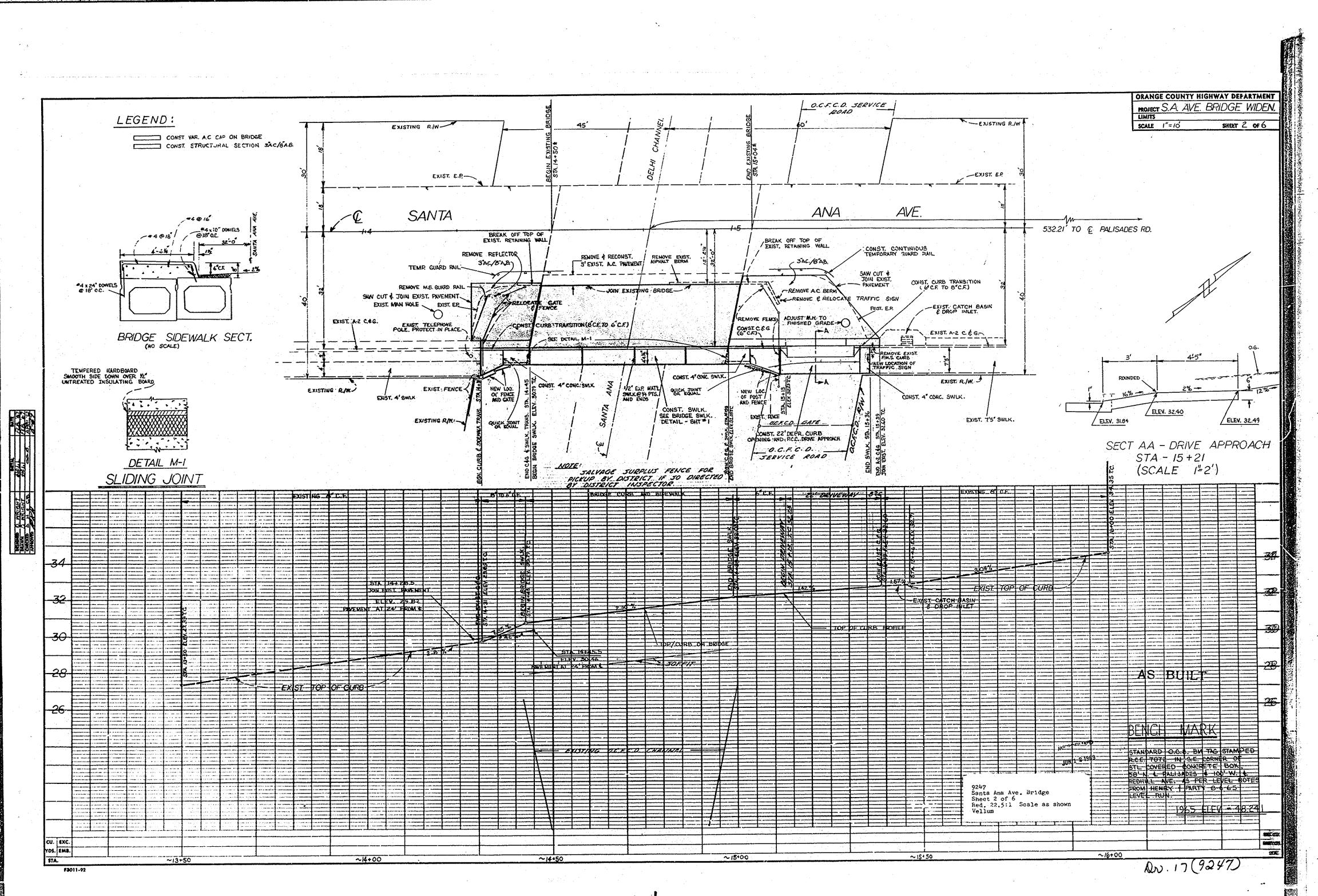
AS BUILT

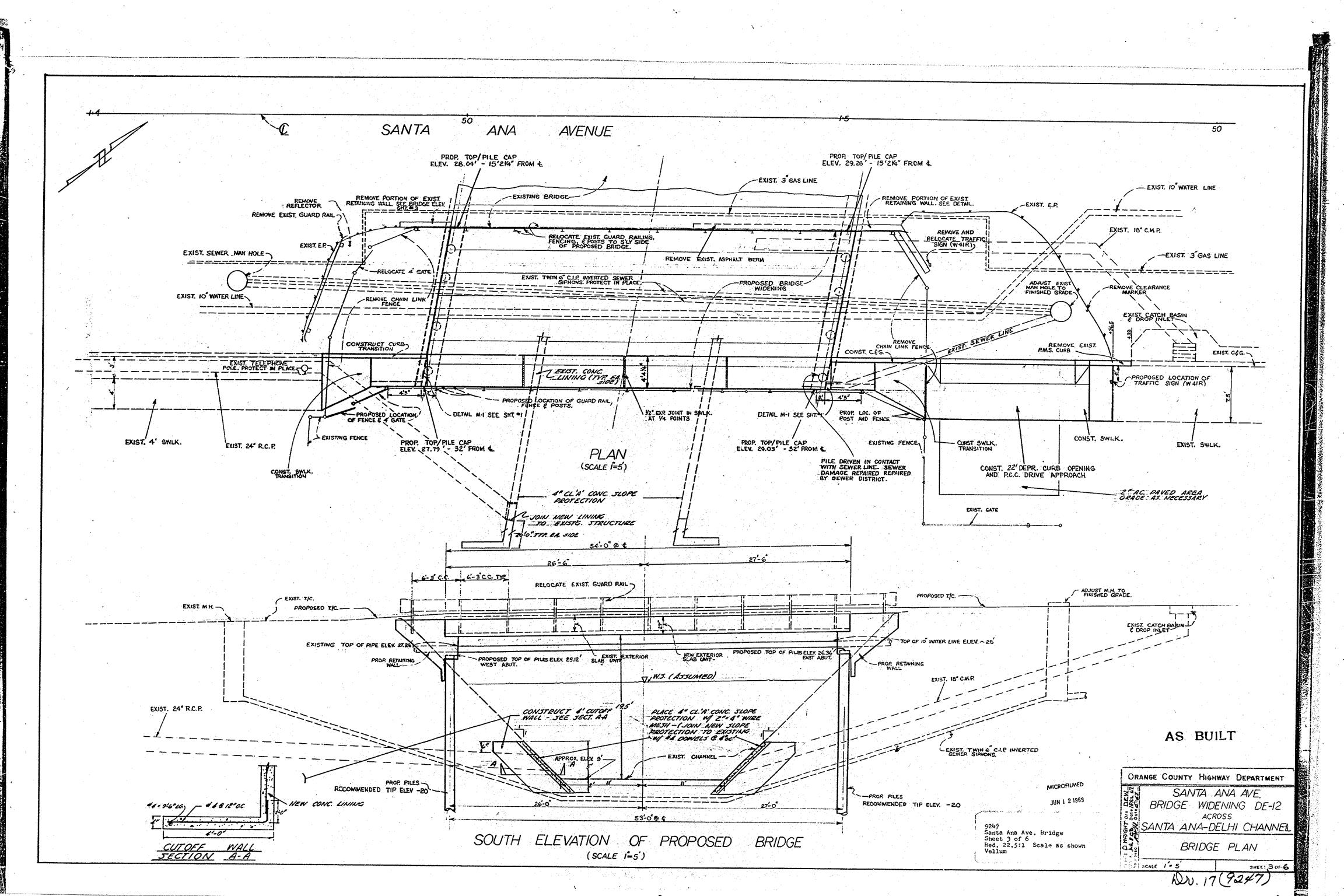
Santa Ana Ave. Bridge Sheet 1 of 6 Red. 32.501 Scale as shown Secia MICROFILAMED JUN 1 2 1969

3-24-67 APPROVED: ROAD COMMISSIONER R.C.E. 7872

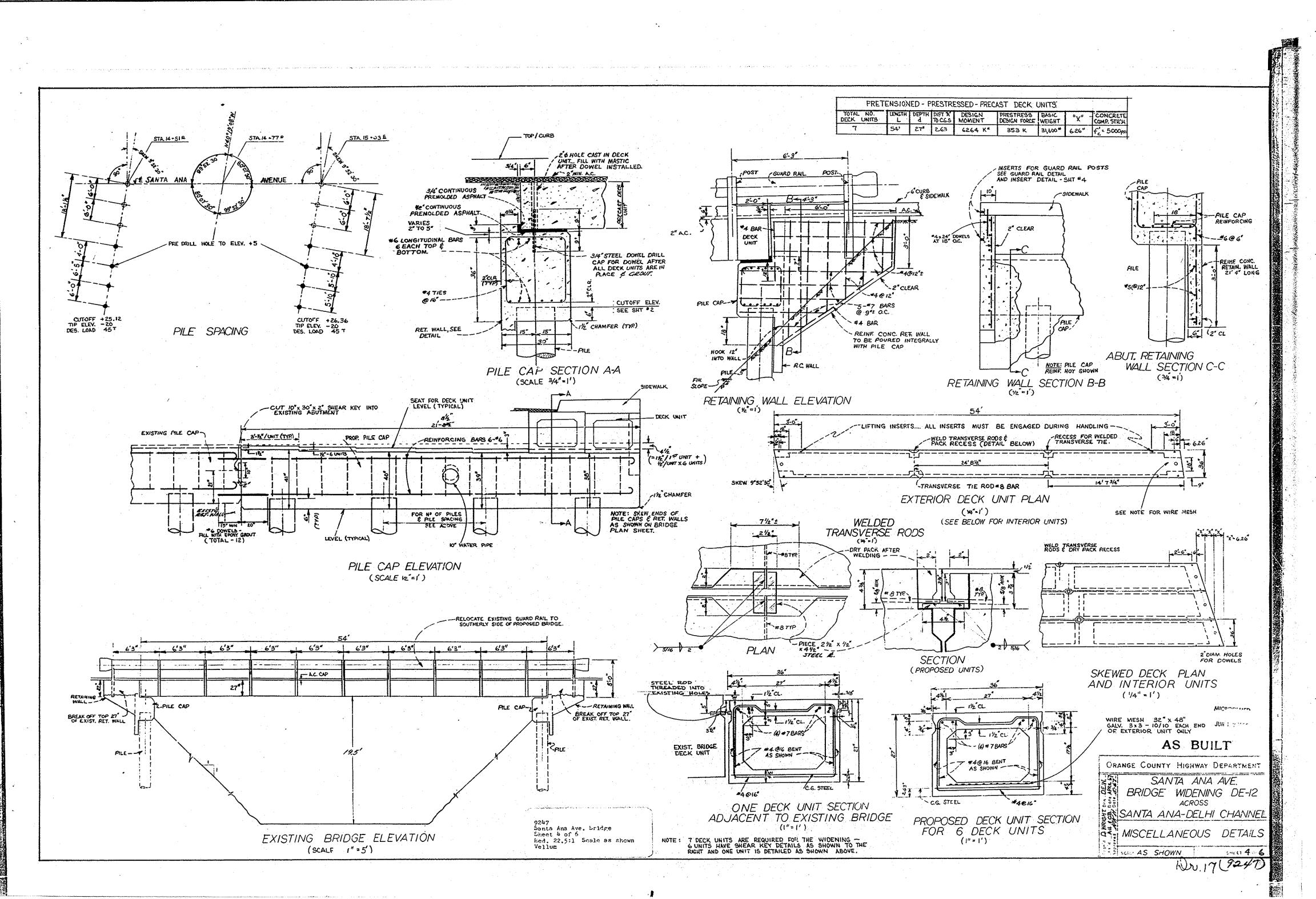
SANTA ANA AVE BR. WIDENING 24. OVUZ Santa Ana Dehli 55C-205, Thomas 859-D7

2| 3| 1| 0| | 6 | 8 | 2| 1|3





II | 8 | 1 | 0 | 1 | 8 | | 4



EDGE RULE The same 5 tot. 8, extend 1'-6" into pile Min. Shell Thickness Precast Class "A" Precast Prestressed cap or extension, (except) .Precast Prestressed Concrete.-4-#6x3'-0" dowels Concrete. Concrete. #6x 3'-6" min. tot. 4 (with extension tot. 6) permitted into footings). (with extension tot. 6) Octagonal or Circular Section, optional: #6 tot. 8 (Full length of pile) `P=140,000 lbs. min. #6 tot.4-P=109,000 lbs. min. (with extension tot. 6.) <u> Y-Y</u> Place diagonal of pile W-17 CLASS I PILES parallel to layout line of footing. #5 tot. 6, extend 1'-6" Min. Shell Thickness into pile cap. P = 75,000 lbs. min. CLASS II PILES W-W #5 Wire @ 6" pitch NOTE: When "ALTERNATIVE U" is driven with mandrel, shell thickness may be reduced to 0.1196. Final Ground Surfage Cutoff line-Low Water Elev. in Waterways. Octagonal or Circular Z. 5 Wire 6 Section, Optional. PILE EXTENSION 6-For length see note F Permitted with Class I Piles only 6- For Length 6, see Note "F" #5 Wire @ 6" pitch-1/2" max. V4 mox. Alternative tip shape, \at option of Contractor. ALTERNATIVE "Z ALTERNATIVE "U" ALTERNATIVE "V" ALTERNATIVE "W" ALTERNATIVE "X ALTERNATIVE "Y 10" min. dia. pipe extension may be used at the tip when step taper is 30' or more in length. PILE NOTES Alternatives "W" & "Y" may be driven full length or may be extended. Class I Piles may be substituted for Class II Piles. Minimum thickness of pipe extension = 0.1793". All exposed piles or pile extensions shall be consistant in cross-section AS BUILT throughout the project. Unless indicated to the contrary all piles shall be Class I Piles. Alternatives "X" & "Y" (Precost Prestressed) "Alternative "X" may not extend above ground line R Prestressing Force (after losses) nor be used with Pile Extension "R". ORANGE COUNTY ROAD DEPARTMENT Concrete stress f'c = 6,000 p.s.i. (Alt. "X") ; 4,500 p.s.i. (Alt. "Y") @ 28 days SANTA ANA AVE. BRIDGE WIDENING DE-12 Y'ci = 3,500 p.s.i @ transfer (3/8" strand) f'ci = 4,000 p.s.i. @ transfer (7/16" strand and 1/2" strand) Santa Ana Ave. Bridge Sheet 6 of 6 'SANTA ANA-DELHI CHANNEI Note Film Alternatives U, "VE"Z" the 6 bars shall extend a minimum of 12' hed. 22.5:1 Scale as shown below the lowest of the following: PILE DETAILS 1. Bottom of footing. 2 Top of final ground surface. DESIGN LOADING = 45 TONS 3. Top of original ground surface when piles are driven through fills.