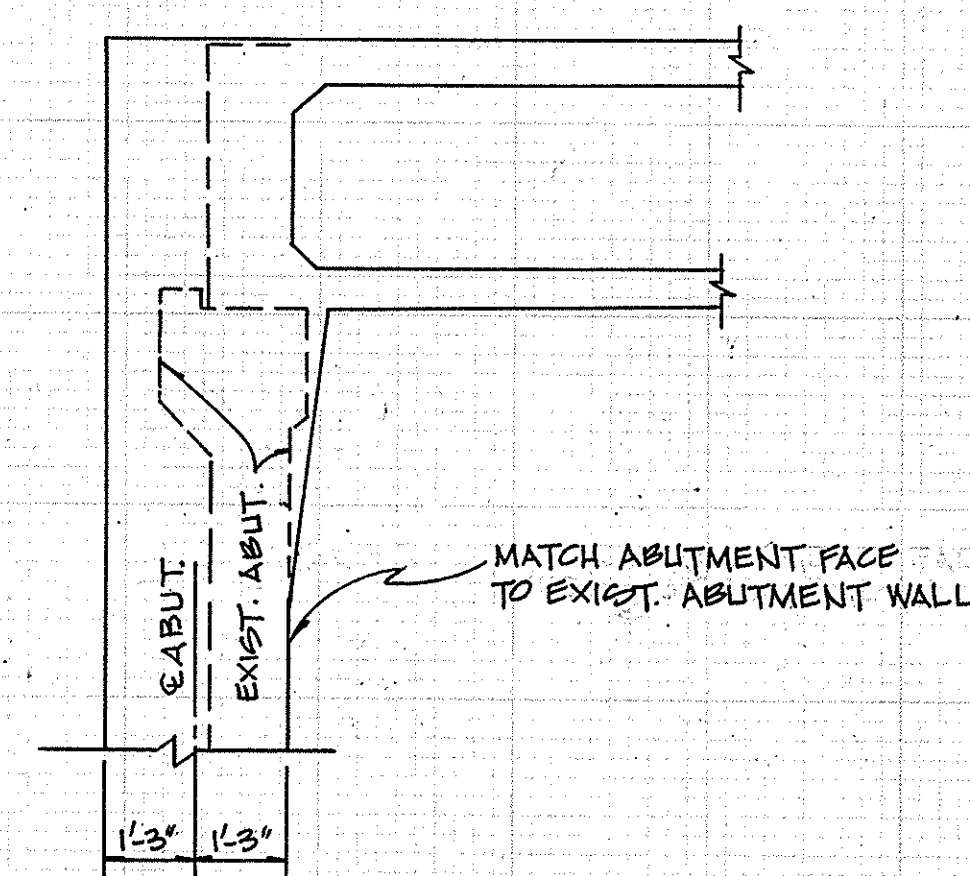
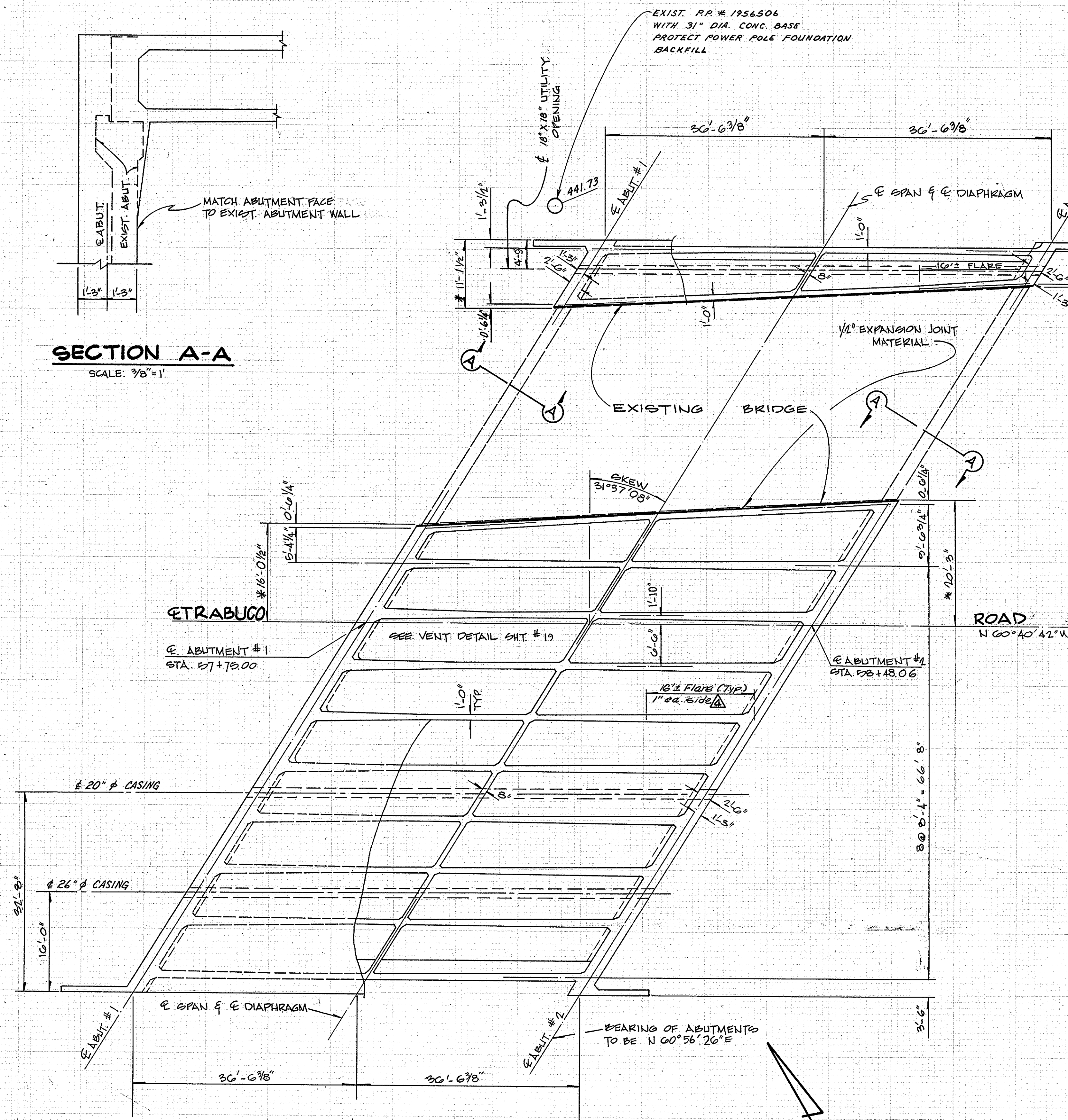




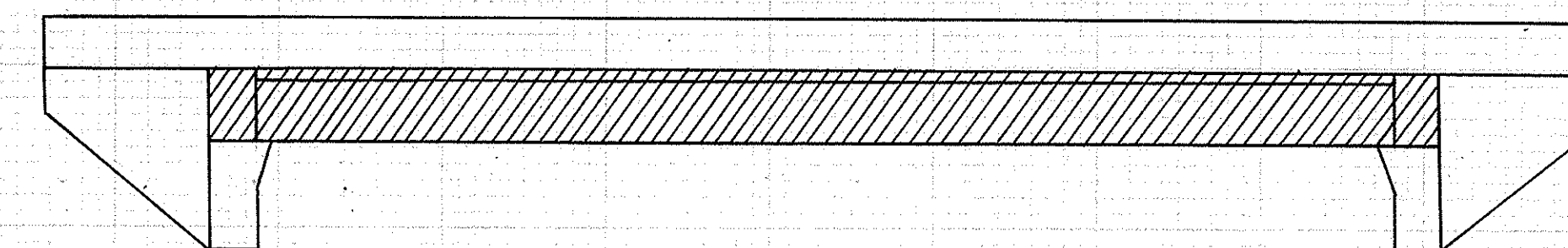
SECTION A-A
SCALE: 3/8"=1'



GIRDER LAYOUT

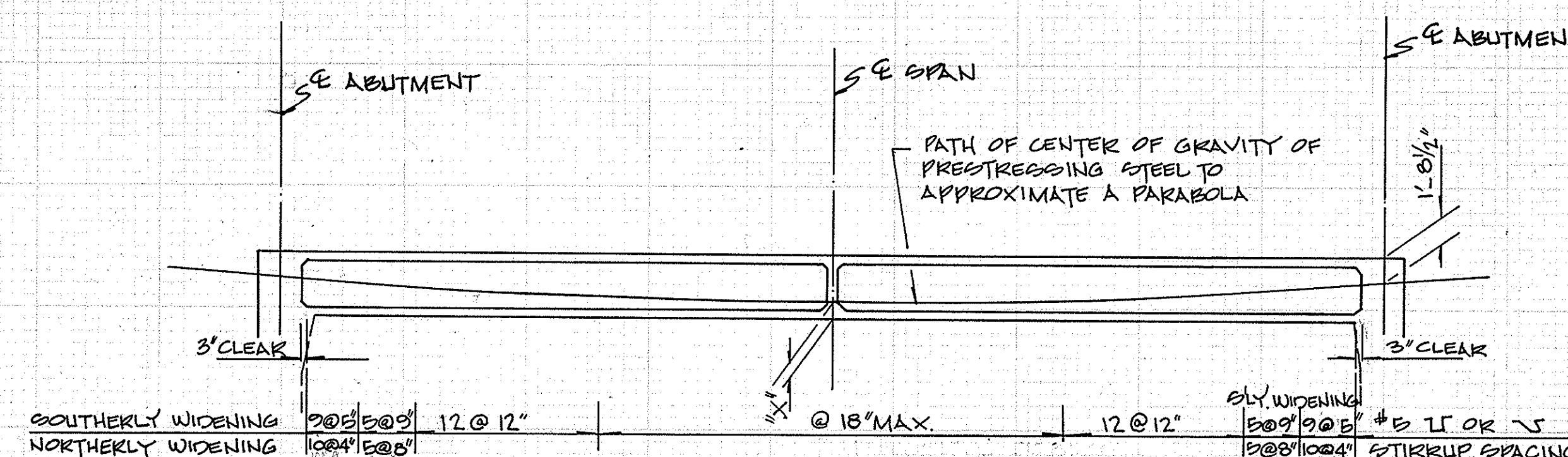
SCALE: 1"=10'-0"

* DIMENSION AT & ABUT.



CONCRETE TYPE LIMITS

- SCALE = NONE
- CAST-IN-PLACE PRESTRESSED CONCRETE
 - STRUCTURE CONCRETE (BRIDGE) = WINGWALL, SIDEWALK, PARAPET, AND ABUTMENTS (PORTION OF) BELOW SOFFIT.



LONGITUDINAL SECTION & STIRRUP SPACING

SCALE: 1/8"=1'-0"

PRESTRESSING NOTES:

WORKING FORCE:

THE TOTAL WORKING FORCE @ & SPAN REMAINING AFTER LOSSES HAVE OCCURED, INCLUDING THOSE DUE TO CREEP AND SHRINKAGE OF CONCRETE AND CREEP OF STEEL, SHALL NOT BE LESS THAN:

"X" INCHES	WORKING FORCE IN KIIPS FOR ENTIRE SPLY. BRIDGE	"X" INCHES	WORKING FORCE, IN KIIPS FOR ENTIRE N'LY. BRIDGE
0 1/2"	8,310	0 1/2"	1,607
0 1/2"	8,560	0 1/2"	1,736
10 1/2"	10,310	10 1/2"	1,888

PRESTRESSED CONCRETE $f'_c = 4500$ PSI @ 28 DAYS
 $f'_c = 3500$ PSI @ TIME OF STRESSING

PRESTRESSING STEEL: $f'_s = 170,000$ PSI
 $f_s = 162,000$ PSI

CAMBER: TO BE CAST PARABOLIC WITH CAMBER @ & OF SPAN 1/4" ABOVE PROFILE GRADE FOR SPLY WIDENING ONLY. NO CAMBER FOR N'LY WIDENING.

FLAKE: FLAKE AS NECESSARY TO CLEAR PRESTRESSING STEEL FOR ANCHORAGE, 1" ea. side @

#12517
Trabuco Rd Phase II
Sheet 14 of 40
Rev. 2/11
Cross Section

"AS-BUILT" REVISIONS		10/80
ORANGE COUNTY ROAD DEPARTMENT		
TRABUCO ROAD		
BRIDGE SR-9		
OVER		
SERRANO CREEK		
GIRDER LAYOUT, PRESTRESSING		
STEEL AND CONCRETE TYPE		
LIMITS DETAILS		
AS NOTED	SHEET 14 OF 40	