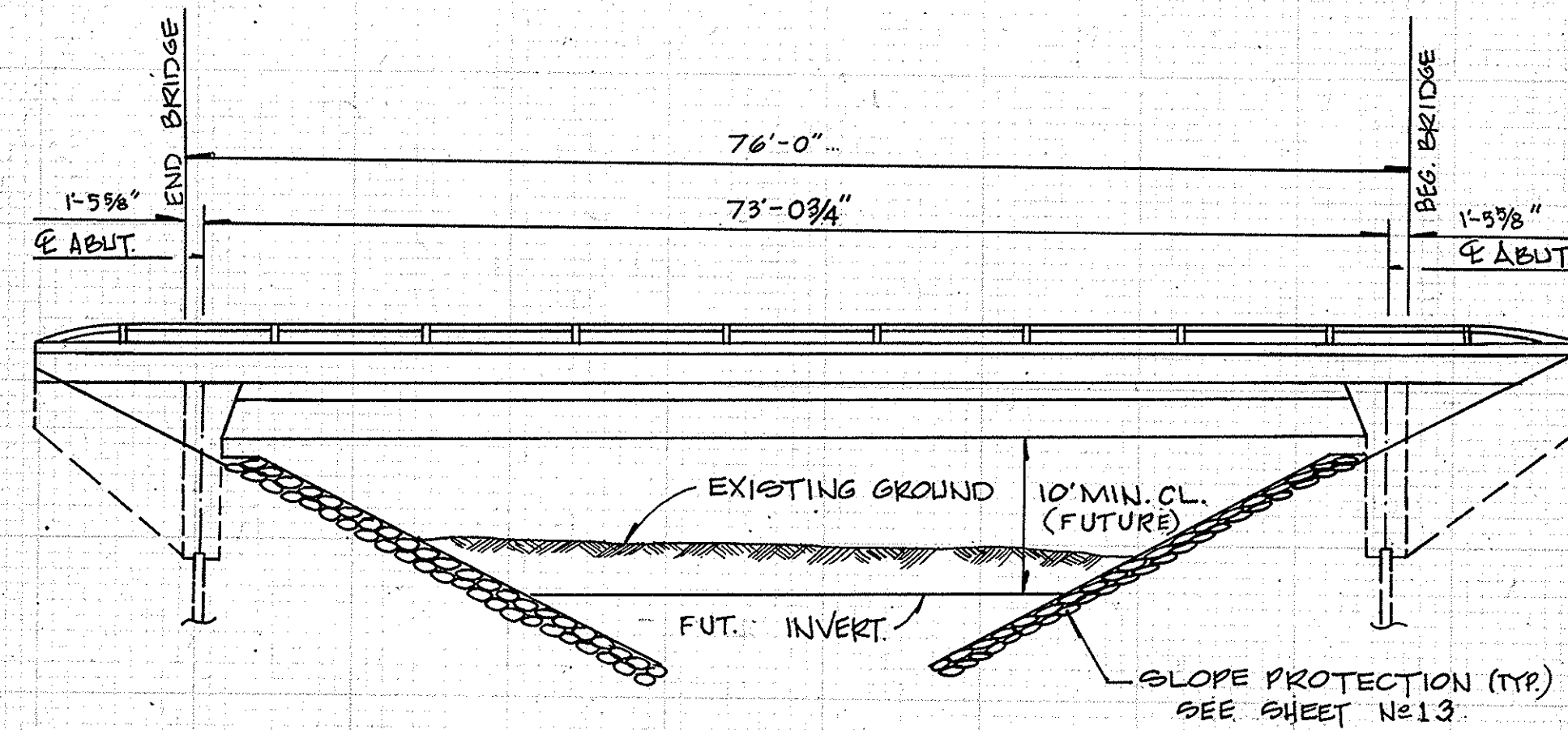




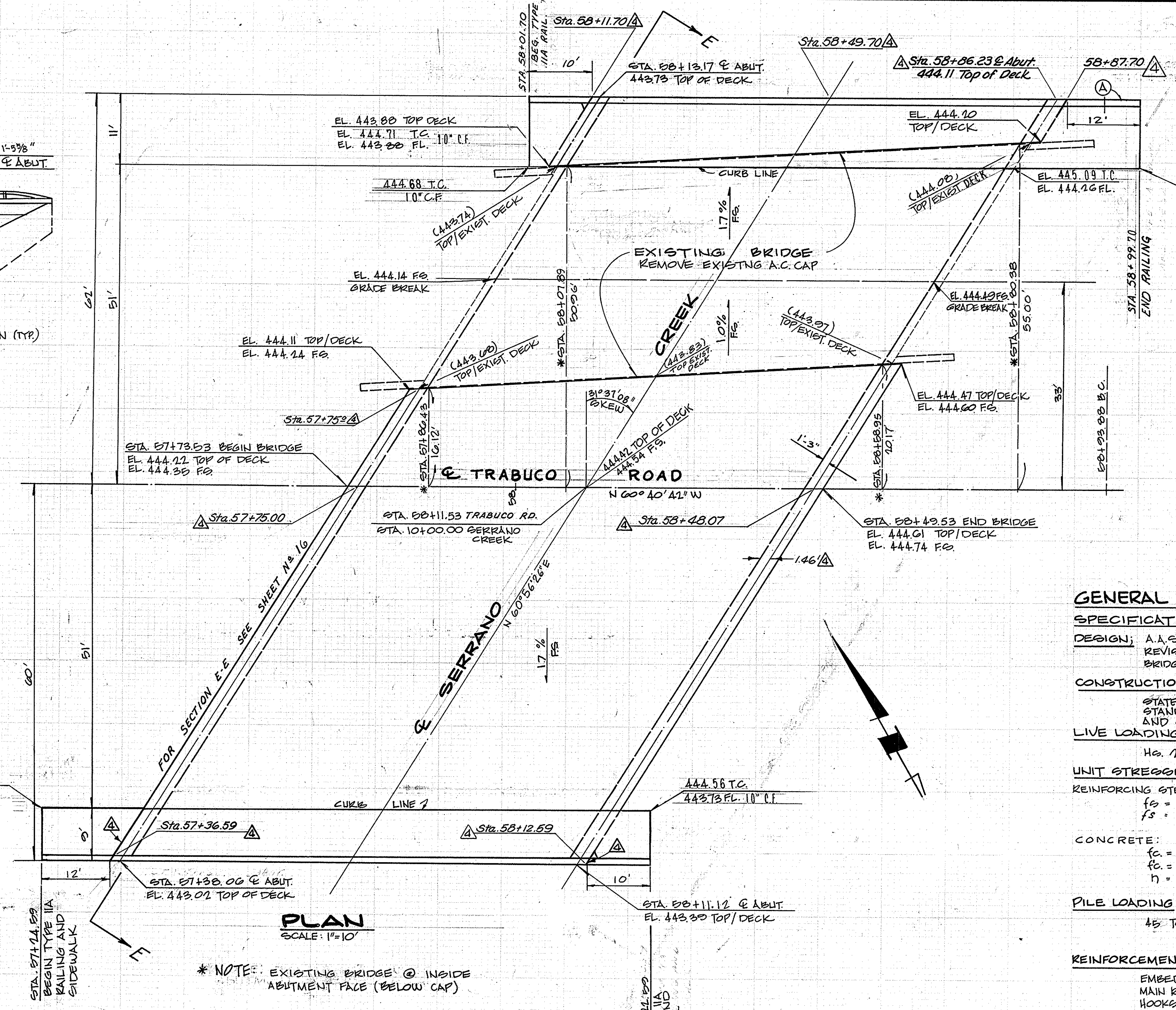
ELEVATION
SCALE: 1" = 10'

APPROXIMATE BRIDGE QUANTITIES

REMOVE A.C. BRIDGE SURFACING	1.2
BRIDGE REMOVAL (PORTIONS)	L.S.
REMOVE AND SALVAGE BRIDGE GUARD RAIL	150 L.F.
METAL RAILING TYPE II	196 L.F.
ROADWAY EXCAVATION (CHANNEL)	390 C.Y.
STRUCTURE EXCAVATION (BRIDGE)	275 C.Y.
STRUCTURE BACKFILL (BRIDGE)	130 C.Y.
ASPHALT CONCRETE	100 TONS
FURNISH STEEL PILING (HP 10 X 57)	770 L.F.
DRIVE STEEL PILING (45 TONS)	43 EA.
PRESTRESSING CAST-IN-PLACE CONCRETE	1.2
CONCRETE ROCK SLOPE PROTECTION (LIGHT CLASS)	400 C.Y.
CONCRETE (CONCRETE + ROCK SLOPE PROTECTION)	140 C.Y.

FINAL BRIDGE QUANTITIES

STRUCTURE CONCRETE (BRIDGE)	470 C.Y.
CAST-IN-PLACE PRESTRESSED CONCRETE	420 C.Y.
BAR-REINFORCING STEEL (BRIDGE)	116,000 LB.



PLAN
SCALE: 1" = 10'

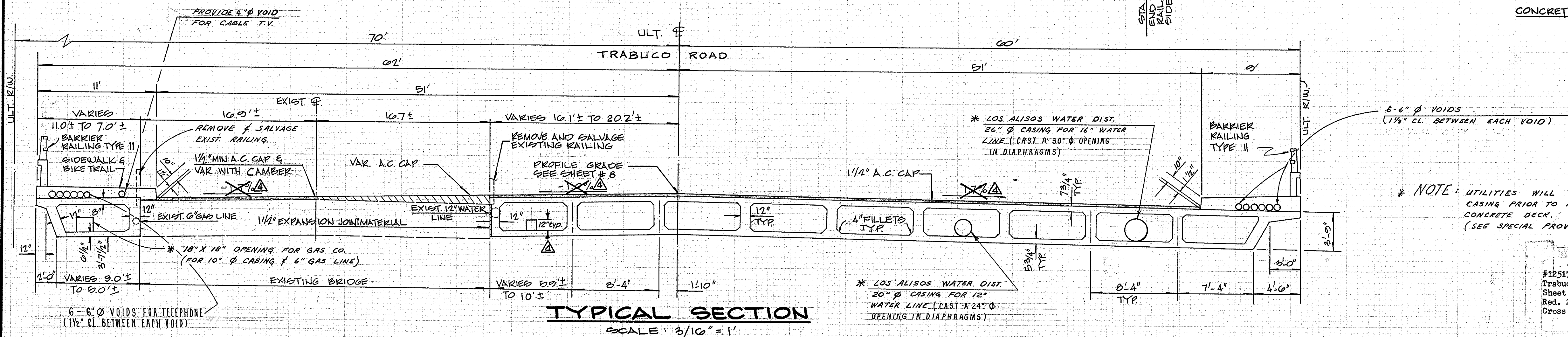
* NOTE: EXISTING BRIDGE @ INSIDE ABUTMENT FACE (BELOW CAP)

PARTIAL CURVE DATA

Δ = 0°13'04"
R = 1662.00'
L = 6.24'
T = 3.16'

GENERAL NOTES:

- SPECIFICATIONS:**
- DESIGN:** A.A.S.H.O. STD. SPEC'S. DATED 1973 WITH SUBSEQUENT REVISIONS, AND CALIFORNIA DIVISION OF HIGHWAYS BRIDGE PLANNING & DESIGN MANUAL.
- CONSTRUCTION:** STATE OF CALIFORNIA, DEPARTMENT OF TRANSPORTATION, STANDARD SPECIFICATIONS DATED JANUARY 1975 AND SPECIAL PROVISIONS.
- LIVE LOADING:** HS-20-44 & ALTERNATE
- UNIT STRESSSES:**
- REINFORCING STEEL:**
 $f_y = 14,000$ P.S.I. EXCEPT
 $f_y = 20,000$ P.S.I. IN TRANSVERSE DECK SLABS & STIRRUPS
- CONCRETE:**
 $f'_c = 1,300$ P.S.I.
 $f'_c = 3,150$ P.S.I. @ 28 DAYS
 $n = 10$
- PILE LOADING:** 15 TONS, TYPE HP 10 X 57
- REINFORCEMENT:**
 EMBEDMENT IS CLEAR TO OUTSIDE OF BAR AND IS 2" TO MAIN REINFORCEMENT EXCEPT AS NOTED. BACKING FOR HOOKS IS FOUR DIAMETERS, EXCEPT AS NOTED.
- CONCRETE:**
 CLASS "A" USING TYPE II PORTLAND CEMENT
 PRESTRESSING: SEE SHEET N3 14



TYPICAL SECTION
SCALE: 3/16" = 1'

* NOTE: UTILITIES WILL INSTALL CASING PRIOR TO PLACING CONCRETE DECK. (SEE SPECIAL PROVISIONS)

As Built	Revisions	10/80
ORANGE COUNTY ROAD DEPARTMENT		
TRABUCO ROAD BRIDGE GR-6 OVER SERRANO CREEK		
GENERAL PLAN		
#12517 Trabuco Rd Phase II Sheet 12 of 40 Red, 24:1 Cross Section		
SCALE: AS NOTED		