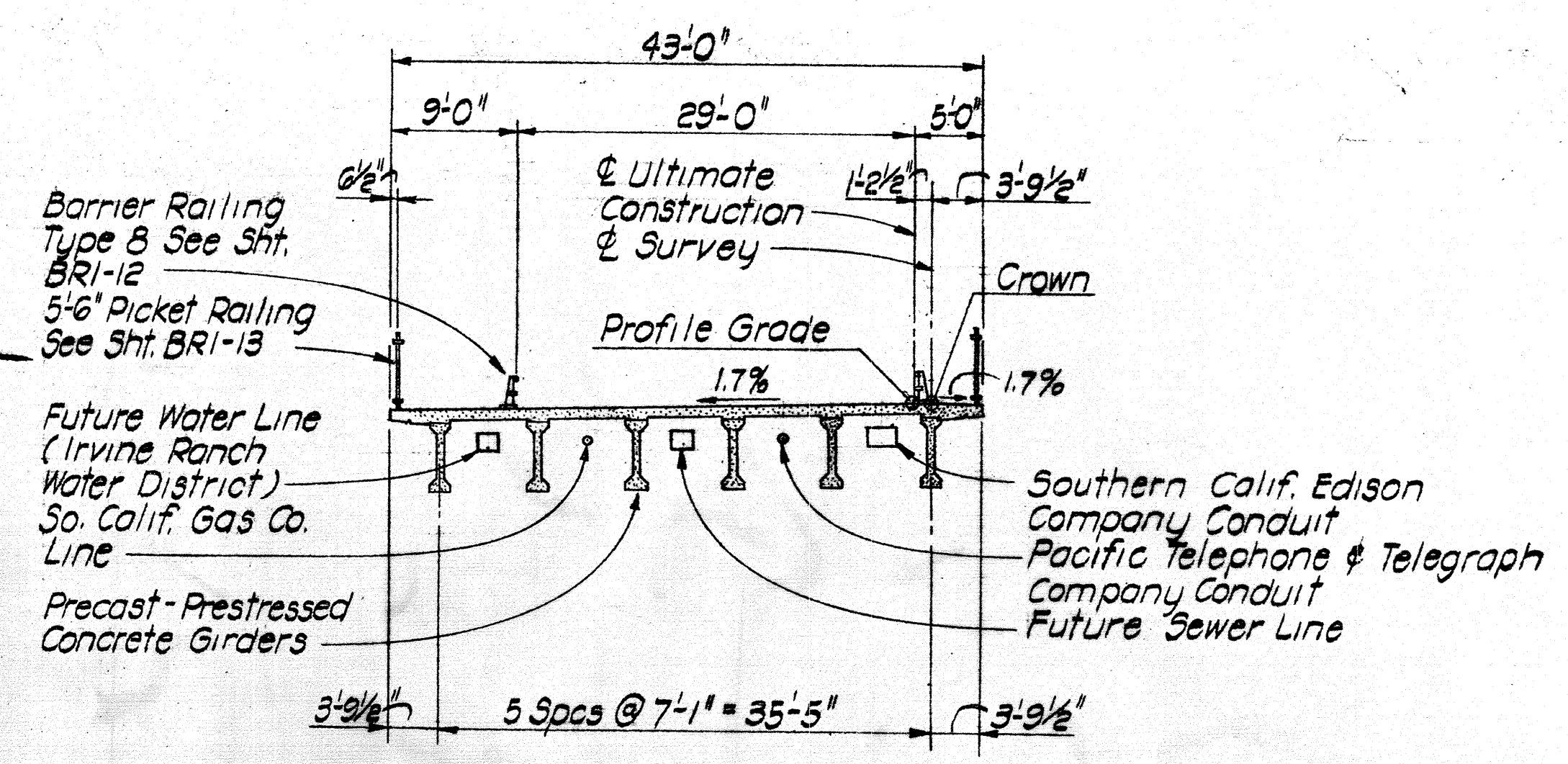
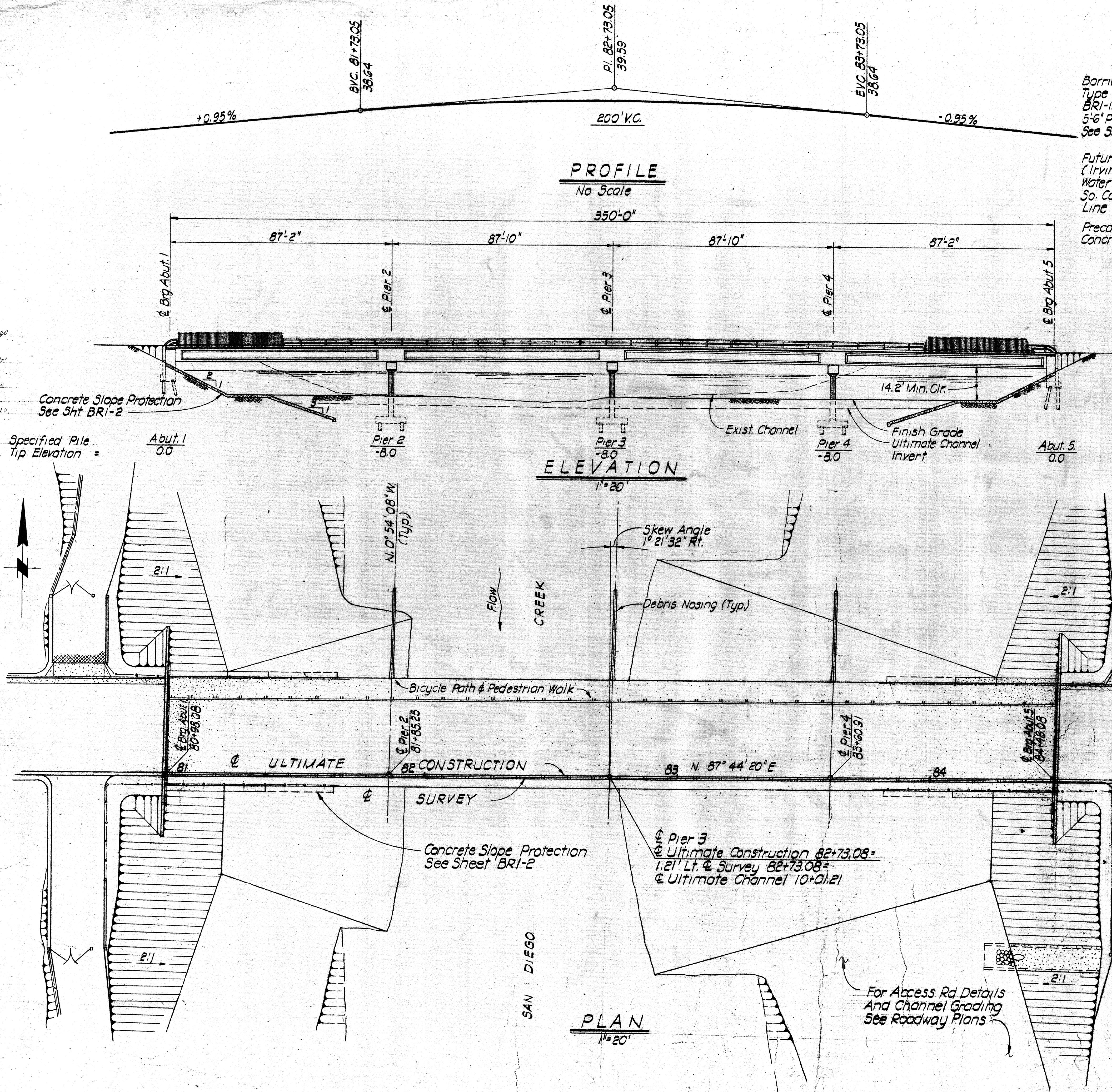




TYPICAL SECTION
Looking East
1"=10'

GENERAL NOTES

Specifications:
 Design: AASHTO Dated 1973 As Supplemented By State Of California Bridge Planning & Design Manual.
 Construction: Standard Specification State Of California Department Of Transportation Dated Jan., 1975 And The Special Provisions.
 Live Loading: HS 20-44 And Alternative
 Design Unit Stresses: Reinforced Concrete $f'_c = 3250 \text{ psi}$, $n = 10$,
 $f_c = 1300 \text{ psi}$, (Except Deck Slab $f_c = 1200 \text{ psi}$) $f_s = 24000 \text{ psi}$,
 (Except Deck Slab And Web Reinforcing $f_s = 20000 \text{ psi}$)
 Prestressing Notes: See Sht. BRI-8
 Reinforcement: Embedment Is Clear To Outside Of Main Reinforcing
 And Is 2" Except As Otherwise Noted.
 Piling: Type - Class 45-1 Design Capacity 45 Tons. See Sht. BRI-11

APPROXIMATE BRIDGE QUANTITIES

Structure Excavation (Bridge)	1400 CY
Structure Excavation (Slope Protection)	690 CY
Structure Backfill (Bridge)	310 CY
Furnish Concrete Piling	2310 LF
Drive Concrete Piling	129 Ea.
Furnish Precast-Prestressed Girders	24 Ea.
Erect Precast-Prestressed Girders	24 Ea.
Concrete Slope Protection (Class 'A')	155 CY
Joint Seal (Type B-1, M.R. = 2')	86 LF
Waterstop	75 LF
Gravel Blanket	210 Ton
Miscellaneous Metal (Bridge)	2050 LB.
Miscellaneous Metal (Restrainer)	150 LB.
Bridge Railing (Type B)	708 LF
Bridge Railing (Picket)	689 LF

FINAL PAY QUANTITIES

(F) Structure Concrete (Bridge Substructure Type IV)	655 C.Y.
(F) Structure Concrete (Bridge)	440 C.Y.
(F) Bar Reinforcing Steel (Bridge)	250,000 LB.

(F) Denotes Final Pay Quantity

ORANGE COUNTY ROAD DEPARTMENT	
MICHELSON DRIVE BRIDGE (SD-25) ACROSS SAN DIEGO CREEK	
GENERAL PLAN & ELEVATION	
SCALE: Noted	SHEET BRI-1 OF 14