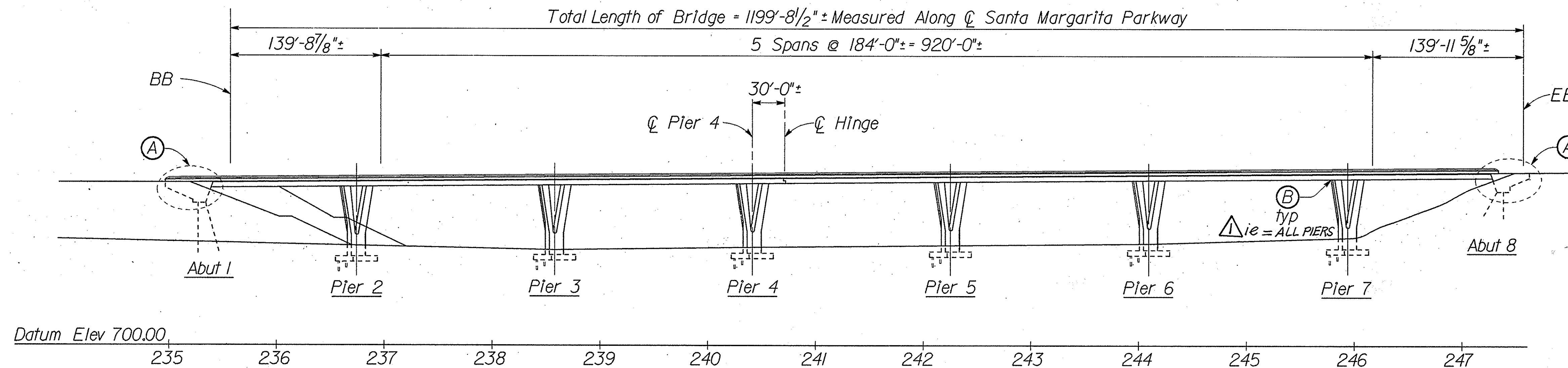




ELEVATION
1"=60'

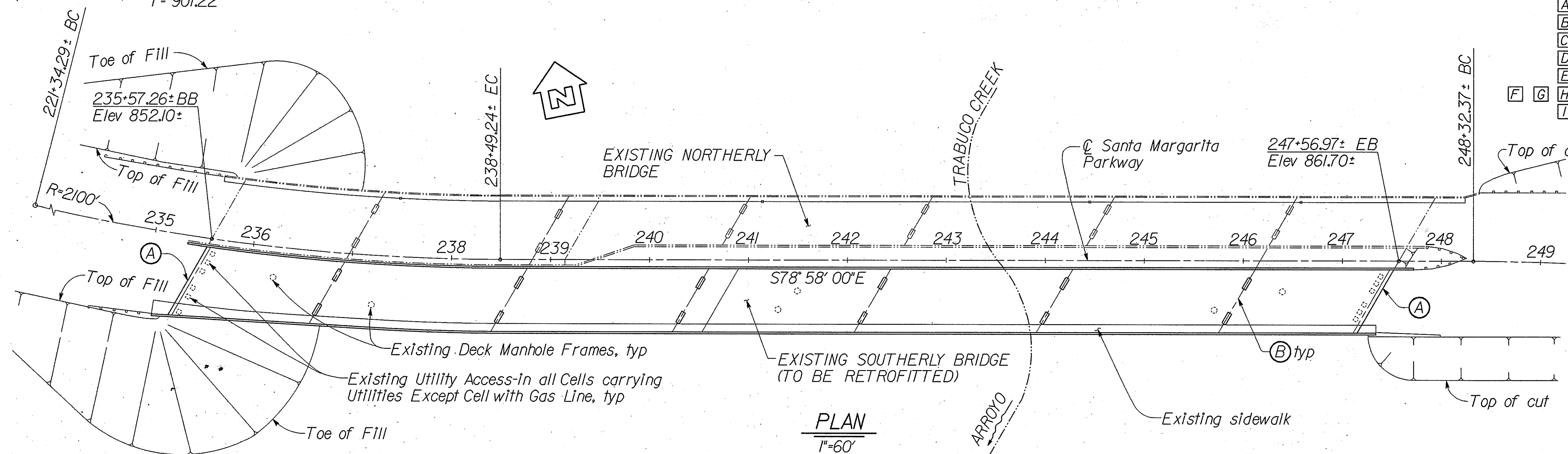
NOTE: SOUTHERLY BRIDGE SHOWN ONLY

CL CURVE DATA

R= 2100.00
Δ= 46° 27' 12"
L= 1702.60'
T= 901.22'

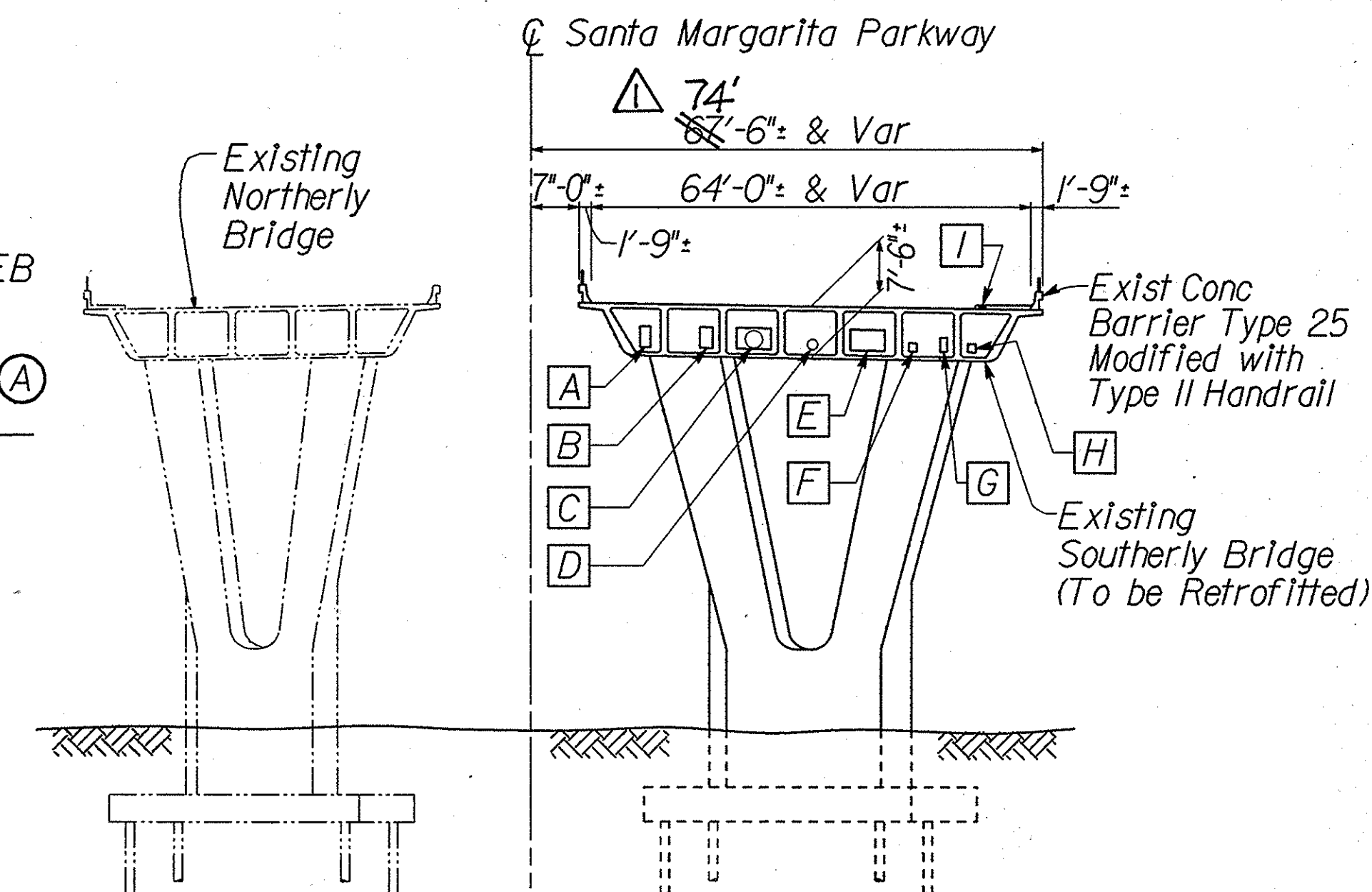
RETROFIT CODES

- (A) Abutment Retrofit
(B) Bent Cap Retrofit



EXISTING DECK MANHOLES

1. STA 236+22.95 - 31' RIGHT, WATER
2. STA 237+23.71 - 50' RIGHT, SEWER
3. STA 241+29.90 - 50' RIGHT, SEWER
4. STA 241+49.50 - 31' RIGHT, WATER
5. STA 245+70.72 - 50' RIGHT, SEWER
6. STA 246+39.50 - 31' RIGHT, WATER



TYPICAL SECTION

1"=20'

EXISTING UTILITIES AND OWNERS

(CONTRACTOR SHALL VERIFY)

- (A) TELEPHONE LINE - PACIFIC BELL
(B) TELEPHONE LINE - PACIFIC BELL
(C) 30" WATER LINE - SANTA MARGARITA WATER DISTRICT
(D) 10" Ø GAS LINE - SOUTHERN CALIFORNIA GAS COMPANY
(E) 2-18" Ø SEWER LINES - SANTA MARGARITA WATER DISTRICT
(F) (G) (H) ELECTRIC LINE - SOUTHERN CALIFORNIA EDISON COMPANY
(I) 4-2" PVC CABLE LINES - DIMENSION CABLE

GENERAL NOTES

LOAD FACTOR DESIGN

DESIGN: BRIDGE DESIGN SPECIFICATIONS
(1983 AASHTO with INTERIMS and REVISIONS by
CALTRANS) & CALTRANS MEMO TO DESIGNERS 20-4 1992

SEISMIC LOADING: Peak Rock Acceleration = 0.4g
Depth of Alluvium 10-80 FT

REINFORCED CONCRETE:
Existing Superstructure (Assumed)
fy = 66,000 psi
f'c = 4,100 psi
Existing Substructure (Assumed)
fy = 66,000 psi
f'c = 4,790 psi
New Concrete
fy = 60,000 psi
f'c = 3,250 psi

1 1/2 0 2
3 Inches on original drawing

NOTE: The Contractor shall verify all controlling field dimensions before jacking the bridge, ordering or fabricating any material. See Special Provisions for Construction Sequence.

HNTB
HOWARD NEEDLES TAMMEN & BERGENDOFF
ARCHITECTS ENGINEERS PLANNERS
4 EXECUTIVE CIRCLE
SUITE 190
IRVINE, CALIFORNIA 92714
(714) 752-6940

ORANGE COUNTY ENVIRONMENTAL MANAGEMENT AGENCY		SANTA MARGARITA PARKWAY BRIDGE	
GENERAL PLAN			
DESIGNED	C. Chen	CHECKED	D. Besser
SCALE	AS SHOWN	DATE	9/92
DRAWN		D. Besser	
NO. C-044437		EXP. 03-31-94	
CIVIL		STATE OF CALIFORNIA	
PREPARED UNDER SUPERVISION OF		SHEET 2 OF 7	

PROFESSIONAL SEAL
N. Morales
No. C-044437
Exp. 03-31-94
CIVIL
STATE OF CALIFORNIA