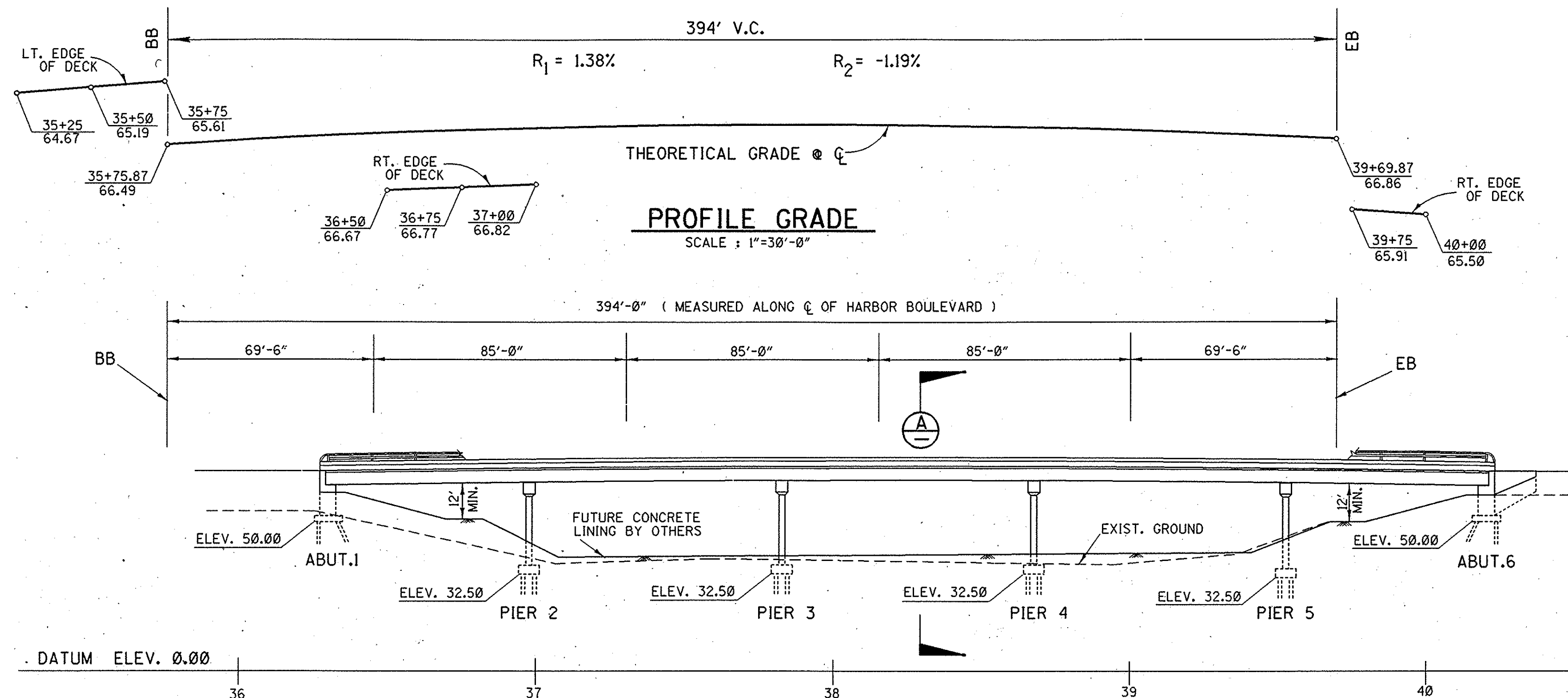
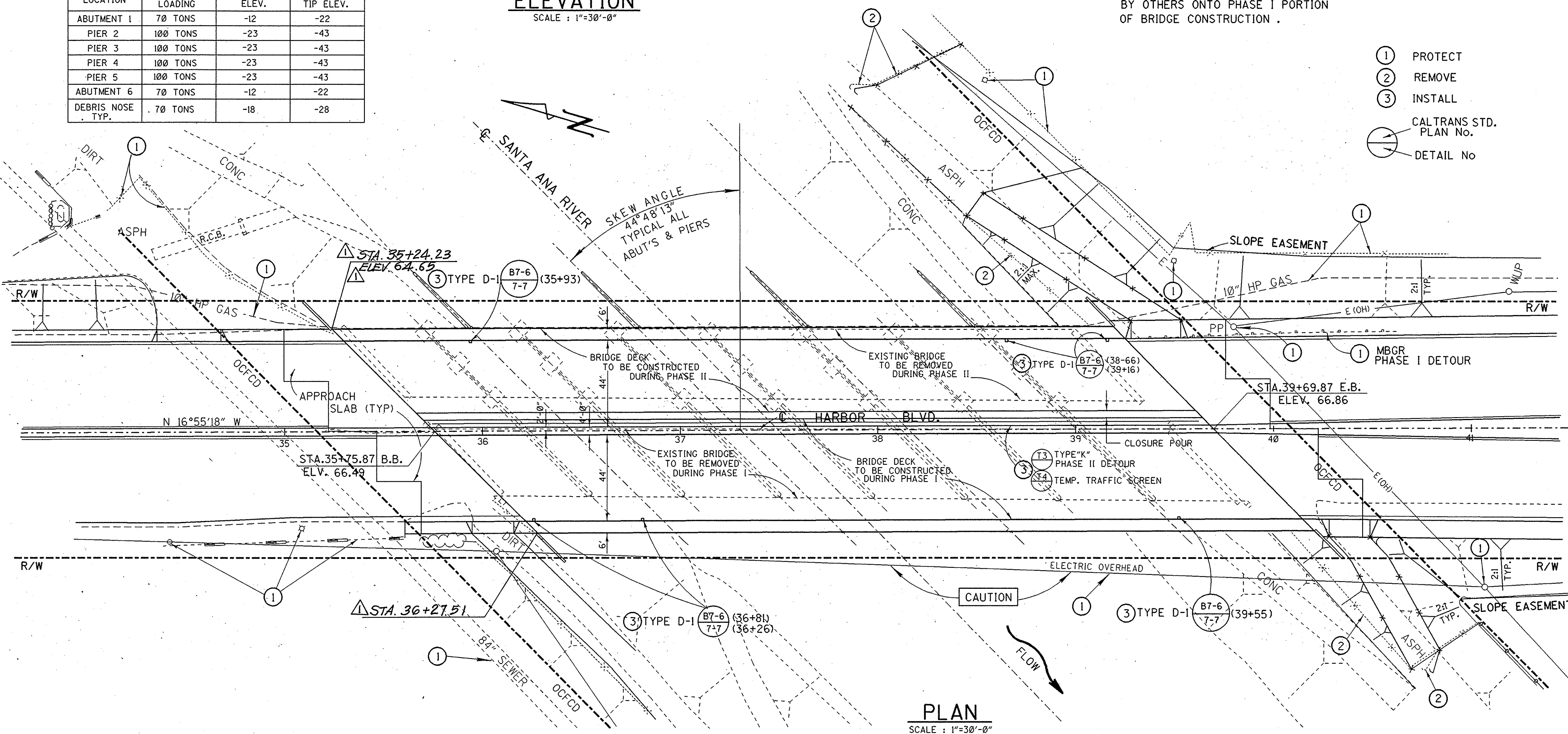


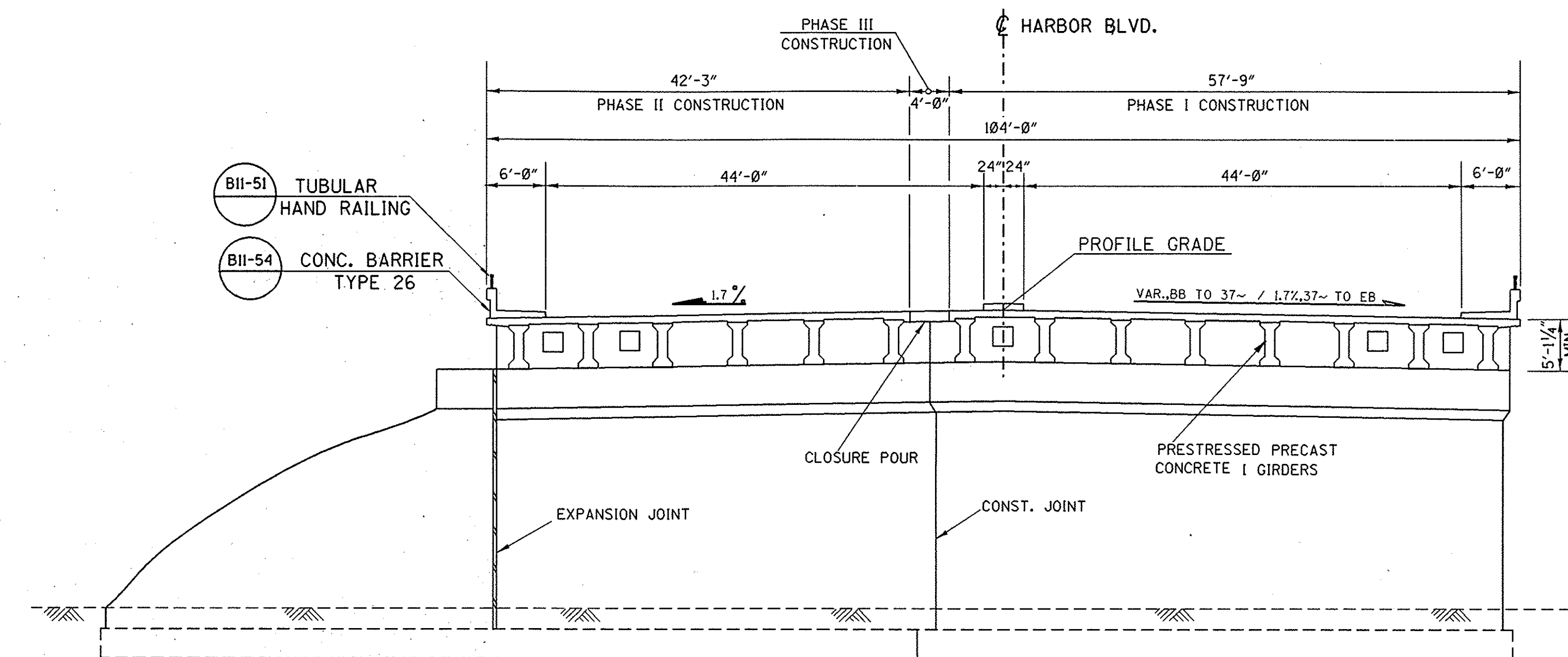


ELEVATION
SCALE: 1"=30'-0"

LOCATION	DESIGN LOADING	SPECIFIED ELEV.	PROBABLE TIP ELEV.
ABUTMENT 1	70 TONS	-12	-22
PIER 2	100 TONS	-23	-43
PIER 3	100 TONS	-23	-43
PIER 4	100 TONS	-23	-43
PIER 5	100 TONS	-23	-43
ABUTMENT 6	70 TONS	-12	-22
DEBRIS NOSE TYP.	70 TONS	-18	-28



PLAN
SCALE: 1"=30'-0"



TYPICAL SECTION A
SCALE: 1"=10'-0"

NOTE: GAS LINE TO BE RELOCATED BY OTHERS ONTO PHASE I PORTION OF BRIDGE CONSTRUCTION.

- ① PROTECT
- ② REMOVE
- ③ INSTALL
- CALTRANS STD. PLAN NO.
- DETAIL NO

GENERAL NOTES LOAD FACTOR DESIGN

SPECIFICATIONS	MATERIALS
DESIGN AASHTO STANDARD SPECIFICATIONS 13TH EDITION AS MODIFIED BY CALTRANS.	REINFORCING STEEL $F_y = 60,000$ Psi
LIVE LOADING HS20-44 AND ALTERNATIVE AND PERMIT DESIGN LOAD P-13.	REINFORCING LAPS BAR No.8 & SMALLER-LAP45 DIAMETERS OF SMALLER BAR JOINED.
PRESTRESS PRESTRESSING INFORMATION IS ON PRESTRESSED I-GIRDER SHT.	BAR No.9,10, AND 11-LAP60 DIAMETERS OF SMALLER BAR JOINED
	CONCRETE DECK CONCRETE $f'_c = 4000$ Psi AT 28 DAYS $V_c = 126$ Psi $n=8$
	ALL OTHER: $f'_c = 3500$ Psi AT 28 DAYS $V_c = 126$ Psi $n=8$
	TRANSVERSE DECK SLAB (WORKING STRESS DESIGN) $f'_s = 20,000$ Psi $f'_c = 1,200$ Psi

NOTE: K-RAIL TO BE EXTENDED BEYOND BRIDGE MINIMUM 150' AT 10:1 TAPER, AND AS DETAILED IN CONTRACTORS APPROVED TRAFFIC DETOUR PLAN. ALL K-RAIL ENDS TO BE PROTECTED IN ACCORDANCE WITH CALTRANS STD. PLANS FOR TEMPORARY CRASH CUSHION, SAND FILLED, STD. PLAN T1.

RECORD DRAWING

1/2" = 0' 1" = 2'
3 inches on original drawing

ORANGE COUNTY ENVIRONMENTAL MANAGEMENT AGENCY	
HARBOR BLVD. IMPROVEMENTS BRIDGE	
GENERAL PLAN	
DESIGNED: RB/RH	SHEET 17 OF 60
DRAWN: H.P.	CHECKED: RH
SCALE: AS SHOWN	DATE: 3/93
DRAWING NO.	

4/95 STA. & ELEV.
DATE DESCRIPTION
REVISIONS
PREPARED UNDER SUPERVISOR'S AUTHORITY
RICHARD A. HART
RCE 39595 (EXP. 12-31-93)