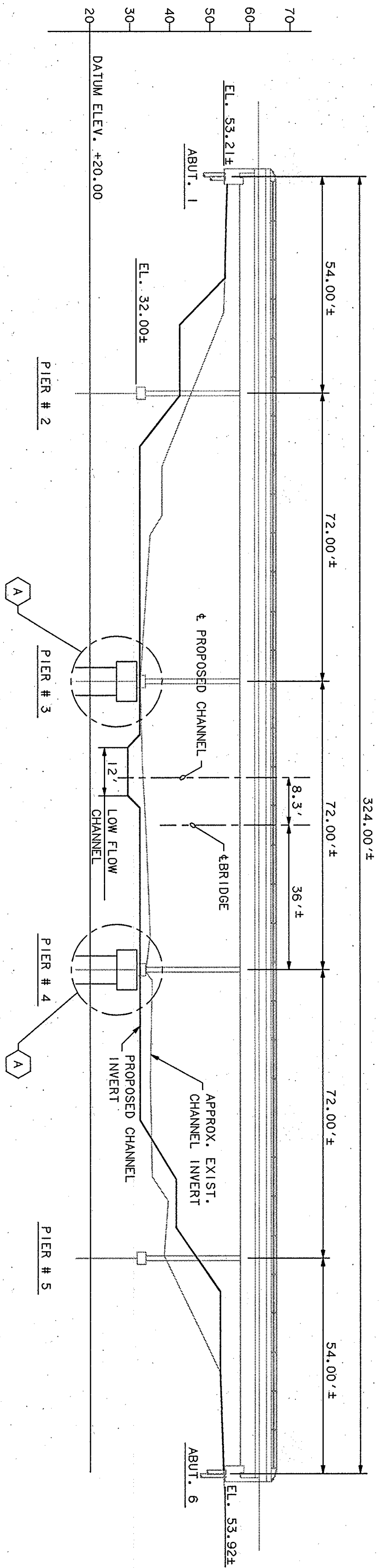
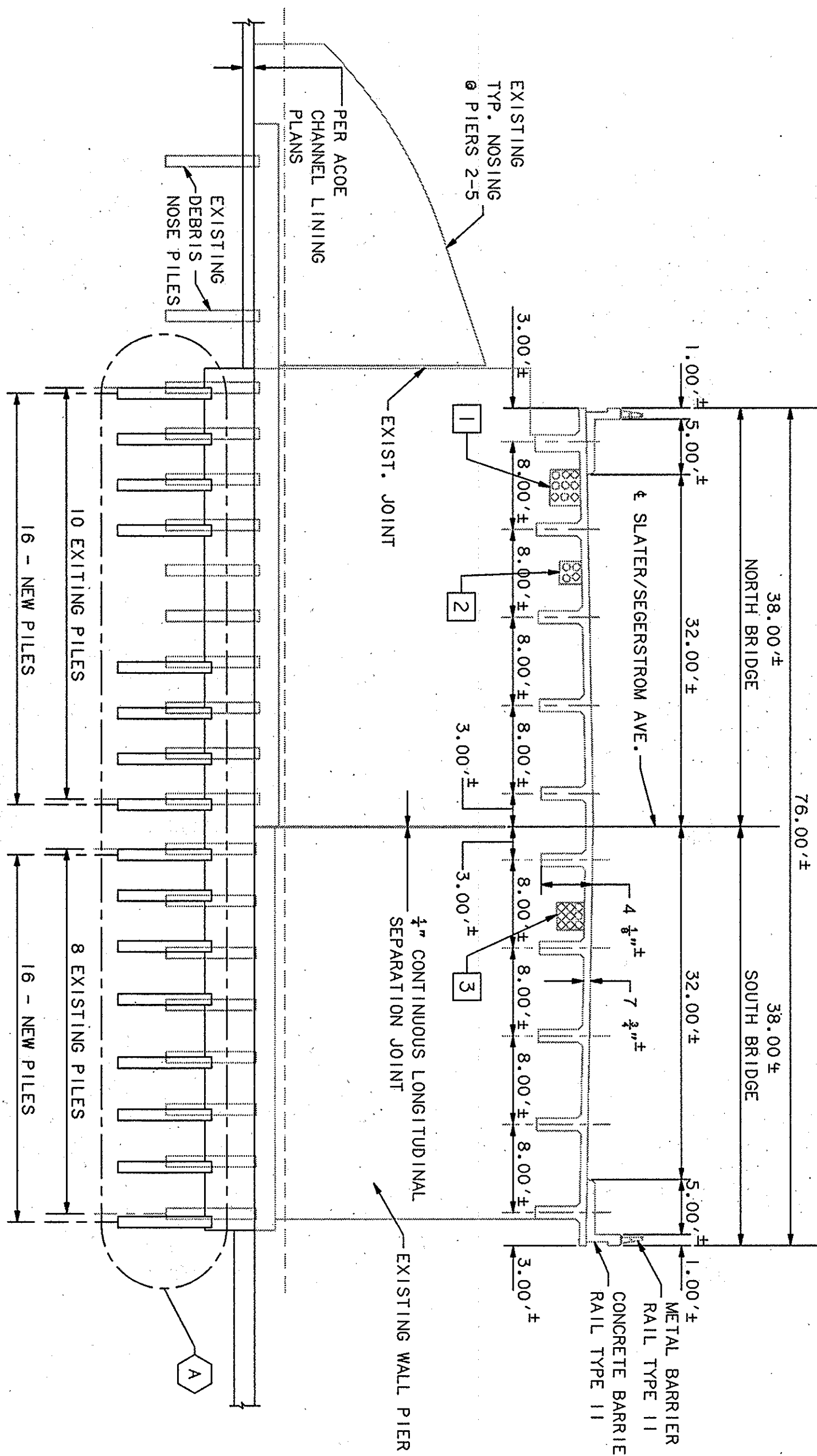
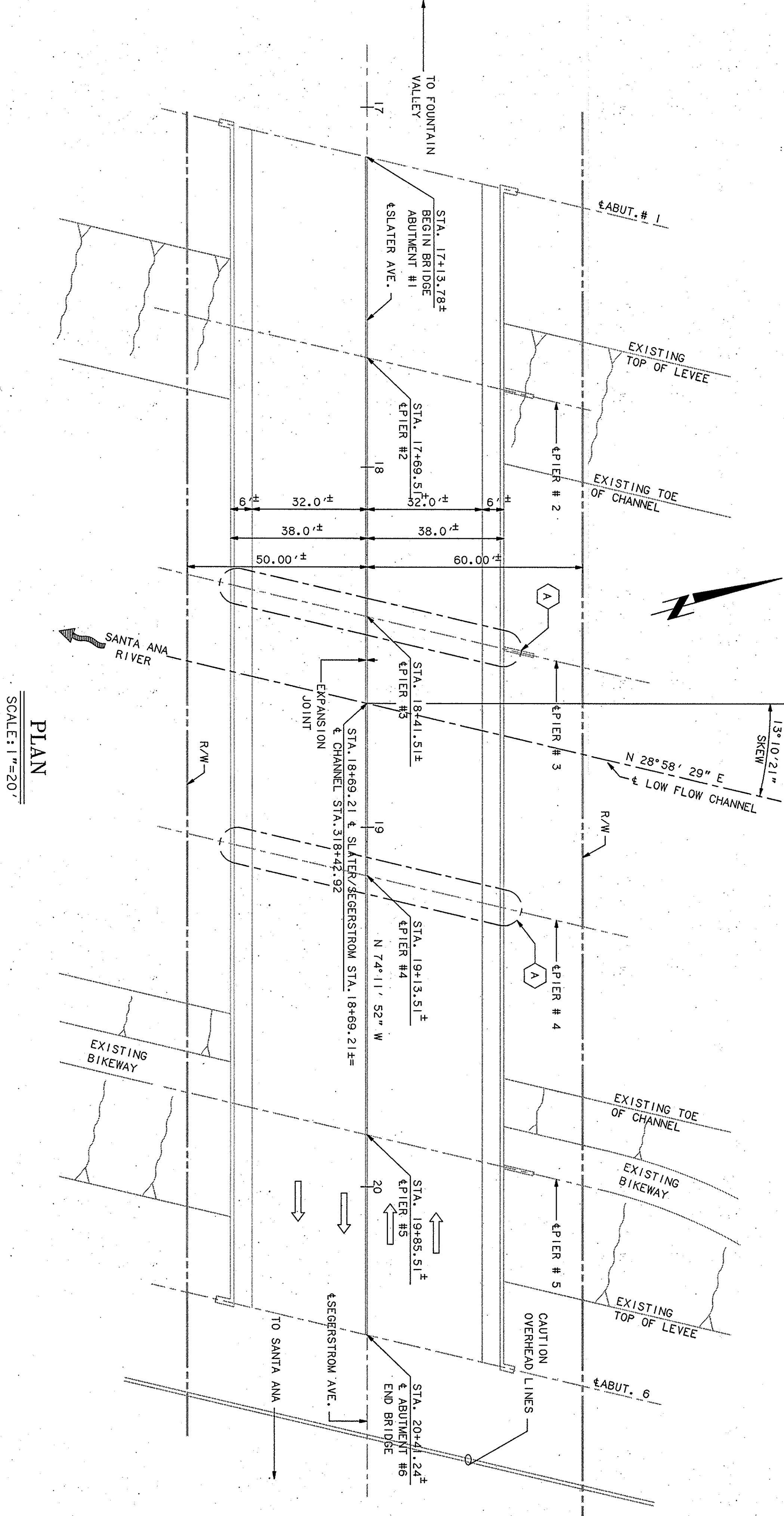


PREPARED UNDER THE SUPERVISION OF
PAUL R. YOUNG, PROJECT MANAGER
REGISTERED STRUCTURAL ENGINEER
PROJECT ENGINEER: HAZEL I. MOBARAK
REGISTERED CIVIL ENGINEER
4/22/95
2/24/95
DATE
PLANS APPROVAL

REGISTERED PROFESSIONAL ENGINEER
HAZEL I. MOBARAK
No. 49438
Exp. 9/29/96
CIVIL
STATE OF CALIFORNIA
V. MOBARAK



PILE DATA		
CLASS 45 PILES ALTERNATIVE "U" OR "V" SHALL BE USED		
LOCATION	DESIGN LOAD (SERVICE LOAD)	SPECIFIED PILE TIP ELEV., PILE TIP ELEV., PROBABLE
PIER 3	45 TONS	-7.0'
PIER 4	45 TONS	-7.0'
		-12.0'



GENERAL NOTES: LOAD FACTOR DESIGN

DESIGN: BRIDGE DESIGN SPECIFICATIONS (1983) AASHTO WITH INTERIORS AND REVISIONS BY CALTRANS

CONSTRUCTION:

CONSTRUCTION SHALL BE IN ACCORDANCE WITH STATE OF CALIFORNIA DEPARTMENT OF TRANSPORTATION STANDARD SPECIFICATIONS DATED JULY 1992, AND THE PROJECT SPECIAL PROVISIONS.

REINFORCED CONCRETE:

EXISTING CONCRETE (ASSUMED):
f'c = 5,000 psi
fy = 66,000 psi
f'c = 7,000 psi
PRESTRESS = 800 psi
f'c = 3,250 psi
fy = 60,000 psi
n = 9

SEISMIC DESIGN: PEAK ROCK ACCELERATION, A=0.5g
DEPTH TO ALLUVIUM > 150'

CALTRANS STANDARD PLANS DATED JULY, 1992

A-10A ABBREVIATIONS
A-10A SYMBOLS
B2-5 PILE DETAILS - CLASS 45 & CLASS 70

RETROFIT CODES

PIER PILES AND NEW PILE CAP AT
BRIDGE PIERS 3 AND 4, SEE SHEET R-3

SYMBOLS

INDICATES LOCATION OF WORK
INDICATES EXISTING STRUCTURE
DETAIL NO.
PLAN SHEET NO.

INDEX TO BRIDGE PLANS

SLATER SEGERSTROM BRIDGE

R-2 GENERAL PLAN
R-3 FOUNDATION RETROFIT DETAILS (PIERS 3,4)
R-4 LIMITS OF PAYMENT, EXCAVATION AND BACKFILL
R-5 LOG OF TEST BORINGS

UTILITIES

1 SOUTHERN CALIFORNIA EDISON LINES
2 PAC. TEL. AND THE TELEPHONE COMPANY.
(9 - 4" Ø CONDUITS)
3 PAC. TEL. AND THE TELEPHONE COMPANY
(9 - 4" Ø CONDUITS)

FIELD VERIFY NOTE

NOTE:
EXISTING BRIDGE ELEVATIONS ARE BASED UPON AS BUILT BRIDGE PLANS PROVIDED BY O.C.E.M.A. ALL NEW CHANNEL AND FOUNDATION ELEVATIONS ARE BASED UPON THE NATIONAL GEODETIC VERTICAL DATUM OF 1929, REFERENCE SHEET #5 OF THE LOWER SANTA ANA RIVER CHANNEL PLANS. THE CONTRACTOR SHALL VERIFY ALL CONTROLLING FIELD ELEVATIONS AND DIMENSIONS PRIOR TO ORDERING OR FABRICATING ANY MATERIAL.

SYMBOL	DESCRIPTIONS	DATE	APPROVAL
REVISIONS			
ROBERT BEIN, WILLIAM FROST & ASSOC. 14725 ALTON PARKWAY IRVINE, CALIFORNIA 92718			
U.S. ARMY ENGINEER DISTRICT LOS ANGELES CORPS OF ENGINEERS			
DESIGNED BY: HLM DRAWN BY: J.L.S. CHECKED BY: HLM/PRY SUBMITTED BY: DATE: SPEC. NO. DACW09-93-B- DISTRICT FILE NO. 239/796			
SANTA ANA RIVER MAINSTEM INCLUDING SANTIAGO CREEK, CALIFORNIA			
LOWER SANTA ANA RIVER CHANNEL (SAN DIEGO FREEWAY TO RIVER VIEW GOLF COURSE)			
SLATER - SEGERSTROM BRIDGE GENERAL PLAN			
SHEET R-2 OF R-16 SHEETS			