

LEGEND

- A** HINGE RETROFIT; SEE SHEETS #6, 7 & 8
- B** ABUTMENT RETROFIT DETAILS SEE SHTS. #3, 4, 5 & 9

BEGIN BRIDGE
STA. 20+04.05
ELEV. 220.27

+0.20 %

B.V.C.
STA. 27+70.00
ELEV. 221.80

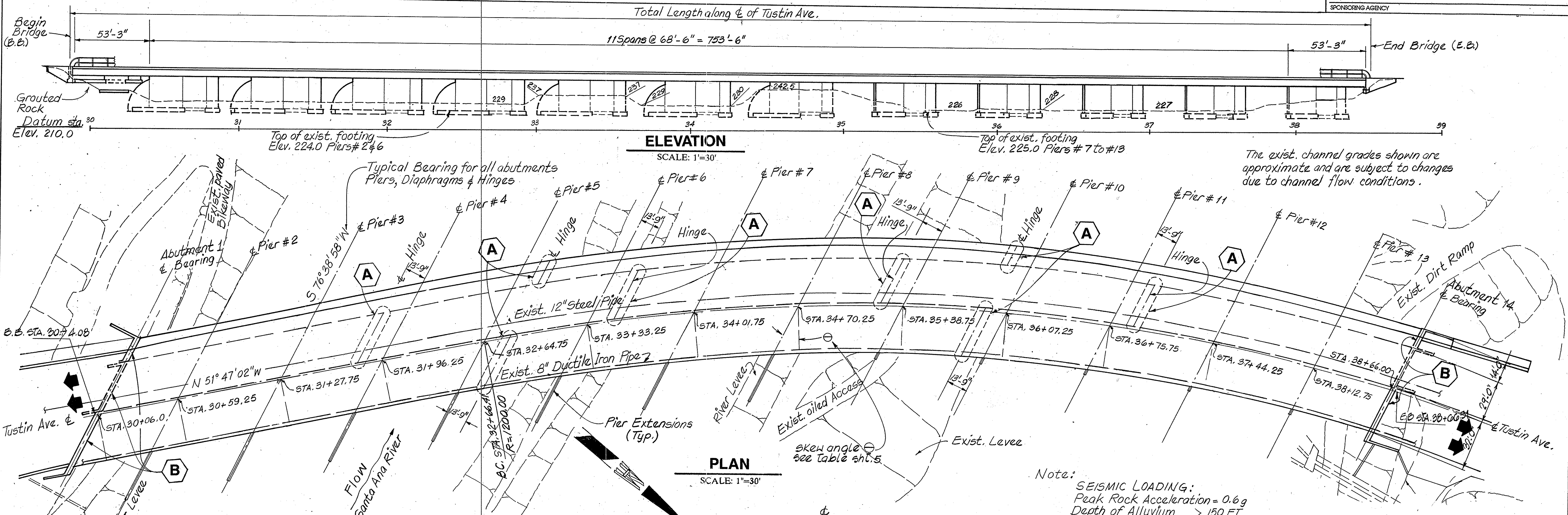
END BRIDGE
STA. 28+70.00
ELEV. 222.29

+1.50 %

PROFILE GRADE

NOT TO SCALE

DIST 12	COUNTY ORA	ROUTE LOCAL	POST MILES TOTAL PROJECT	SHEET NO.	TOTAL SHEETS
			KERCHEVAL ENGINEERS CIVIL/STRUCTURAL ENGINEERING CONSTRUCTION MANAGEMENT 4740 MURPHY CANYON ROAD, SUITE 310, SAN DIEGO, CA 92123-4321 • (619) 671-0520		
SPONSORING AGENCY					



ELEVATION

SCALE: 1"=30'

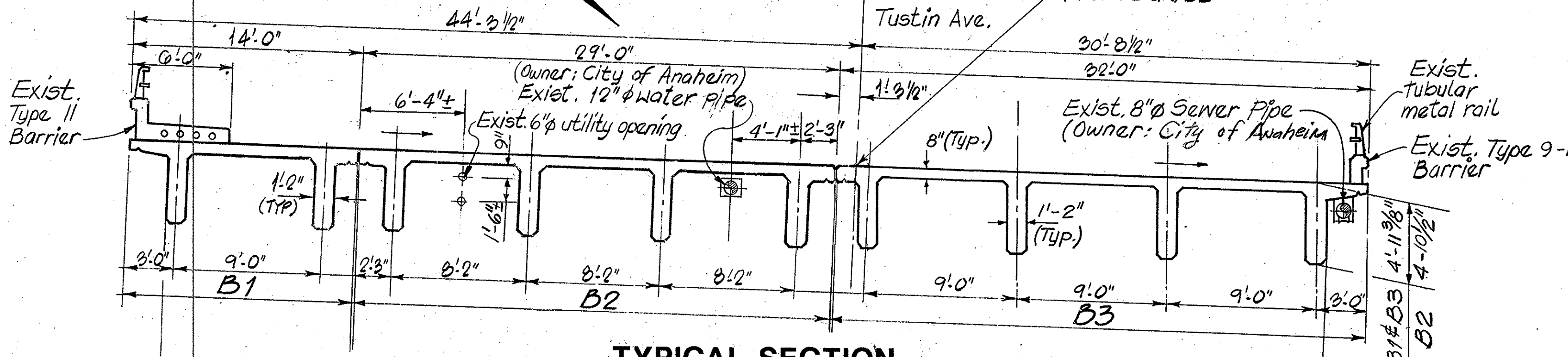
PLAN

SCALE: 1"=30'

Note:
SEISMIC LOADING:
Peak Rock Acceleration = 0.6g
Depth of Alluvium > 150 FT

NOTES:

- THE CONTRACTOR SHALL VERIFY ALL CONTROLLING FIELD DIMENSIONS BEFORE ORDERING OR FABRICATING ANY MATERIAL
- ALL EXISTING DIMENSIONS SHOWN ARE ±



TYPICAL SECTION

SCALE 3/16"=1'-0"

APPROXIMATE QUANTITIES

Drill and Bond Dowel	530	LF
Core Concrete (6")	90	LF
Core Concrete (7")	70	LF
Diaphragm bolster	16	EA

FINAL PAY QUANTITIES

Structure Excavation (Bridge)	30	CY
Structure Backfill (Bridge)	15	CY
Structure Concrete (Bridge)	30	CY
Bar Reinforcing Steel (Bridge)	6080	LB
Miscellaneous Metal (Restrainer - Cable Type)	2900	LB
Miscellaneous Metal (Bridge)	4950	LB

PHASE II SEISMIC RETROFITTING PROJECT

SANTA ANA RIVER / TUSTIN AVE. BRIDGE

GENERAL PLAN

DESIGN BY TOMMY TOMINNA CHECKED CHIN C. CHEN	LOAD FACTOR DESIGN BY CHIN C. CHEN CHECKED DENIS MORGAN	ORIGINAL SCALE IN INCHES FOR REDUCED PLANS BY CHIN C. CHEN CHECKED DENIS MORGAN	PREPARED FOR THE STATE OF CALIFORNIA DEPARTMENT OF TRANSPORTATION PROJECT ENGINEER REGISTERED CIVIL ENGINEER No. 59M093-4 CU EA 12-EQC-087	BRIDGE NO. 55-C-111	POST MILE
DETAILS BY ENRIQUE LAMBARRI CHECKED KEITH W. HERRON	LAYOUT BY CHIN C. CHEN CHECKED DENIS MORGAN	SPECIFICATION BY CHIN C. CHEN CHECKED JAY ZHANG	PLANS AND SPECS COMPARED DENIS MORGAN	DISREGARD PRINTS BEARING EARLIER REVISION DATES	
QUANTITIES BY KEITH W. HERRON CHECKED JAY ZHANG	ORIGINAL SCALE IN INCHES FOR REDUCED PLANS		REVISION DATES (PRELIMINARY STAGE ONLY)		
SIGNOFF DATE 7-13-92			SHEET 2 OF 9		