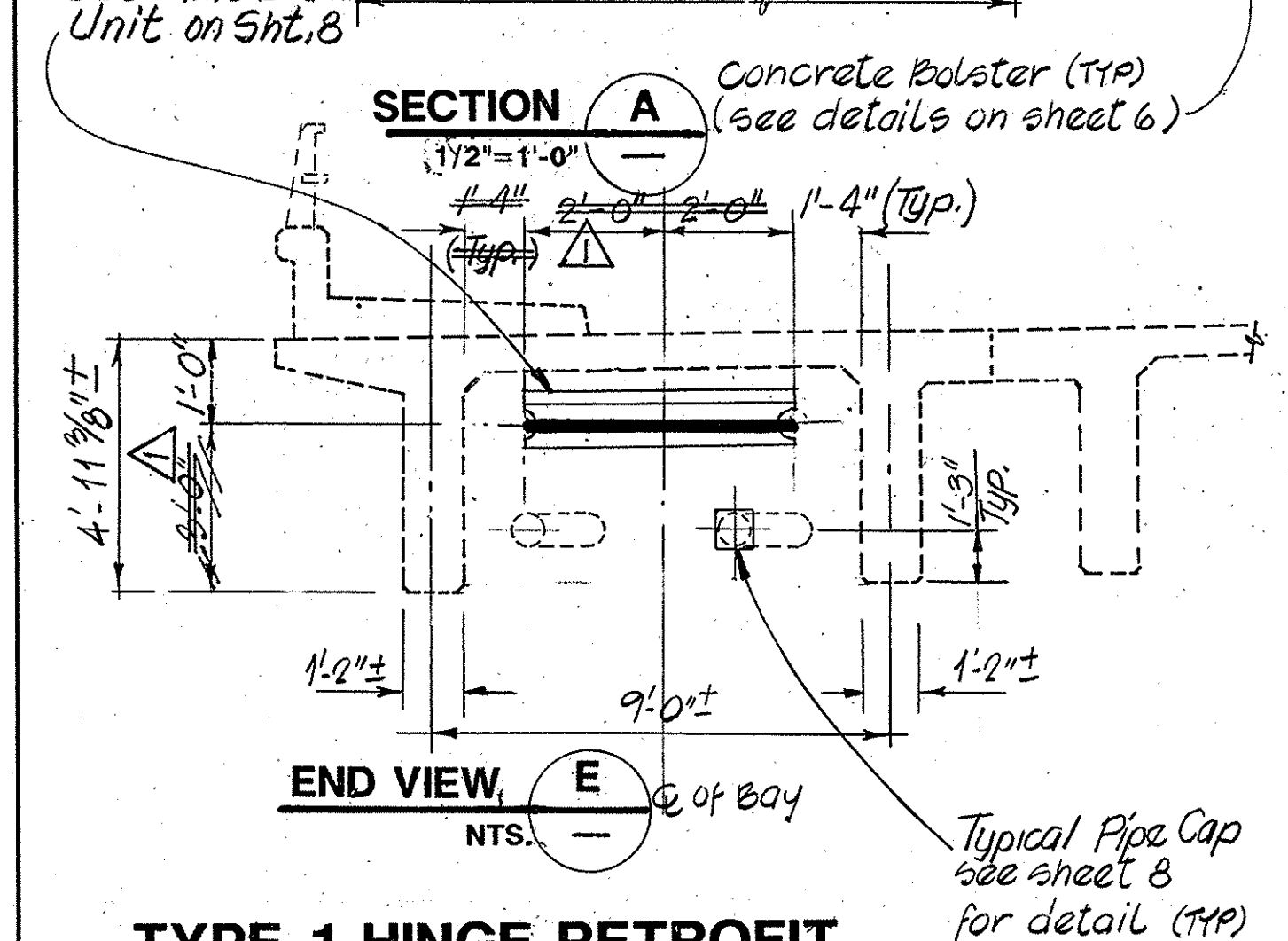
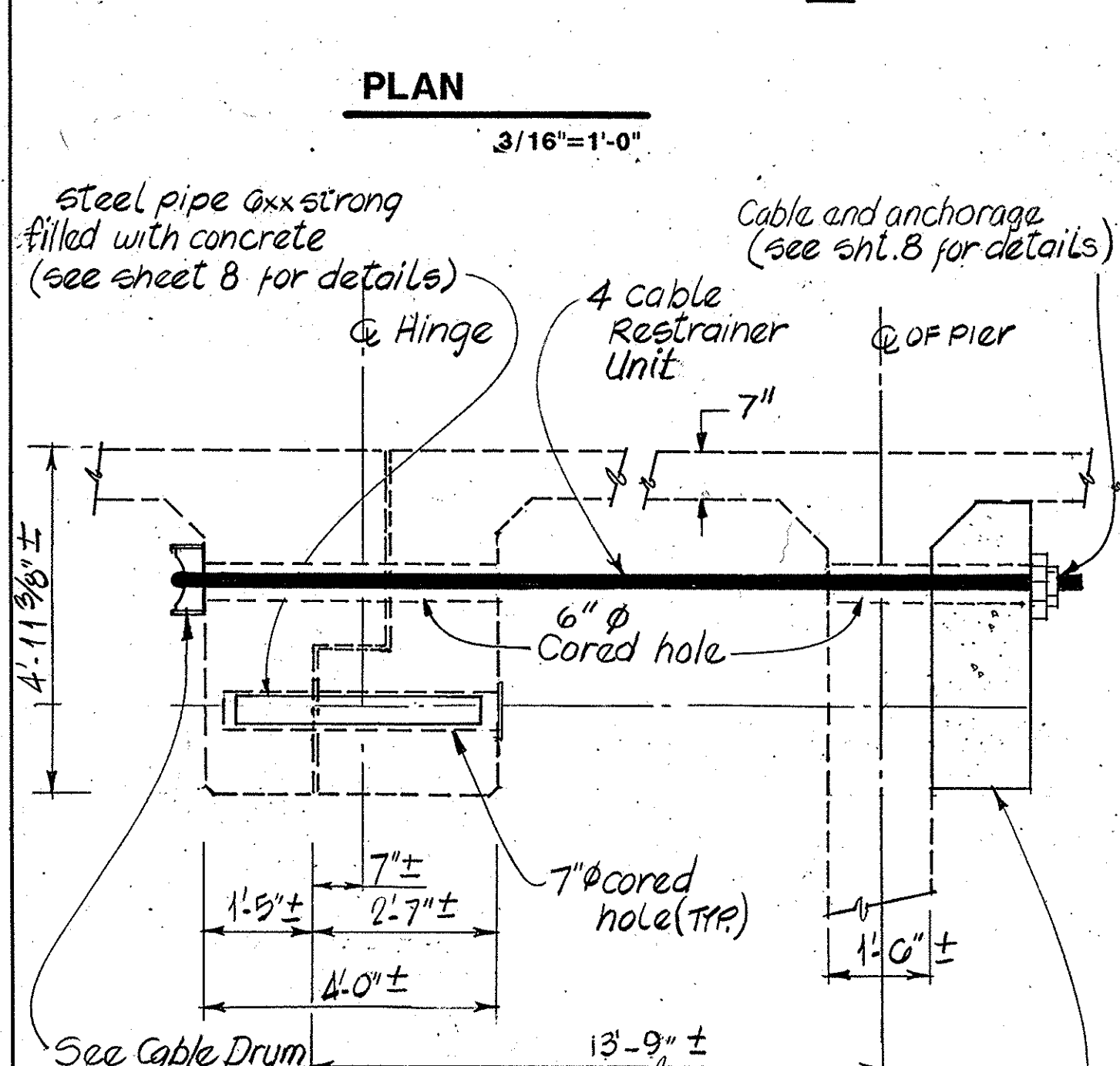
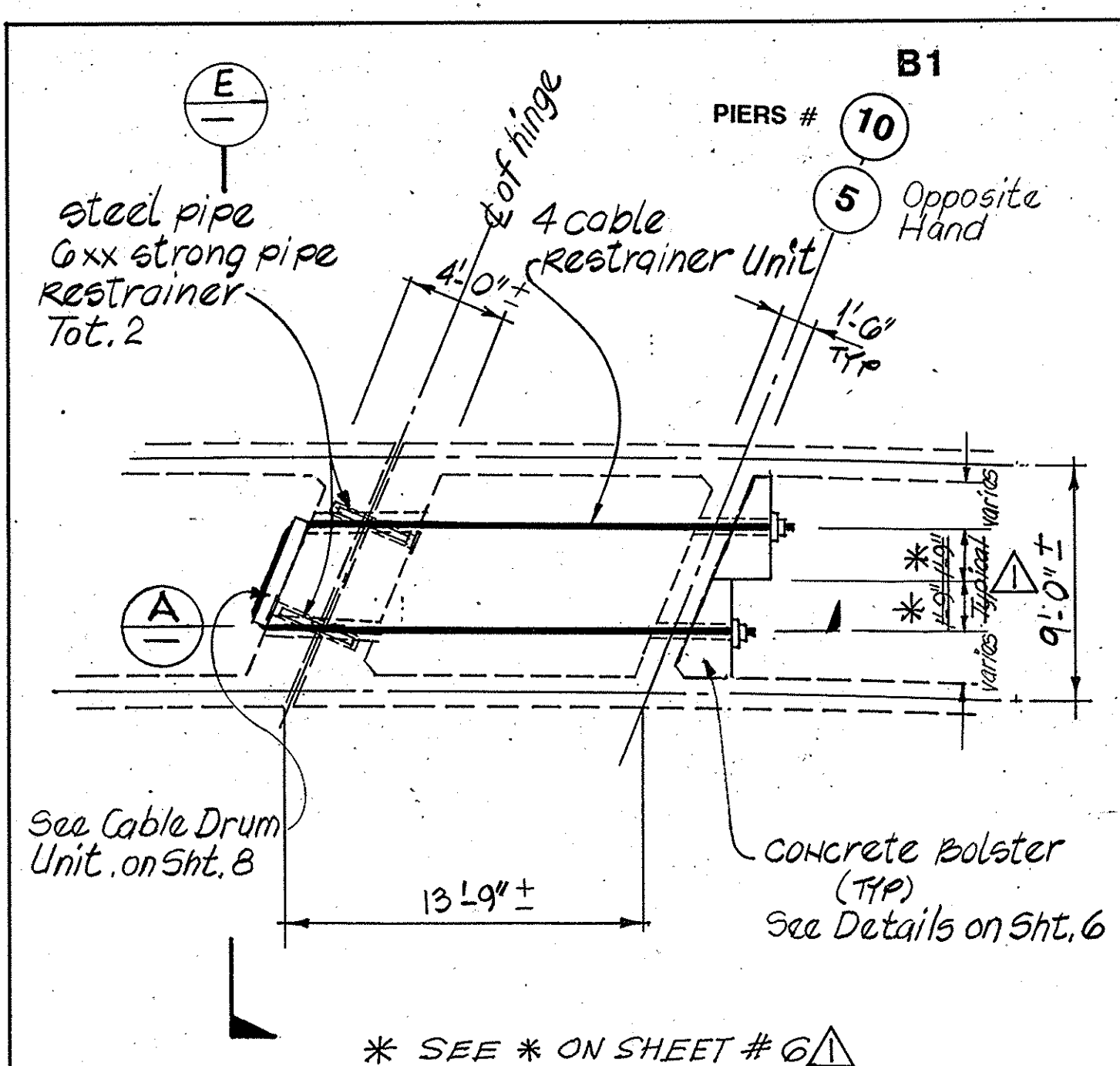




TYPE 1 HINGE RETROFIT

DESIGN BY TOMMY TOMINNA
CHECKED CHIN C. CHEN
DETAILS BY EDUARDO REYES
CHECKED KEITH W. HERRON
QUANTITIES BY KEITH W. HERRON
CHECKED JAY ZHANG

LOAD FACTOR DESIGN BY CHIN C. CHEN
ORIGINAL SCALE IN INCHES FOR REDUCED PLANS
LAYOUT BY CHIN C. CHEN
SPECIFICATION BY CHIN C. CHEN

PREPARED FOR THE
STATE OF CALIFORNIA
DEPARTMENT OF TRANSPORTATION

BRIDGE NO. 55-C-111
POST MILE 11.071

PHASE II SEISMIC RETROFITTING PROJECT

SANTA ANA RIVER / TUSTIN AVE. BRIDGE

HINGE RETROFIT DETAILS 2

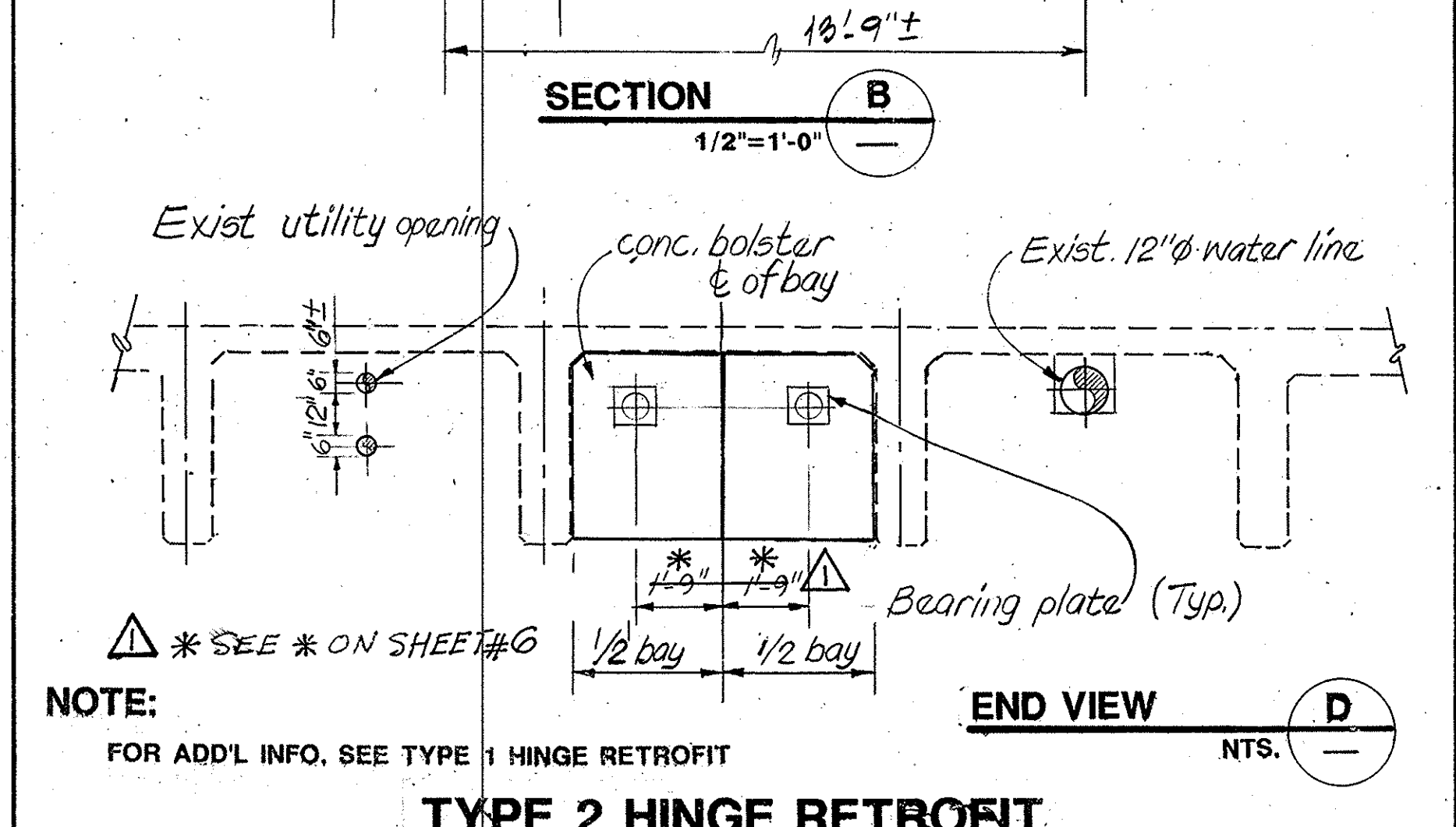
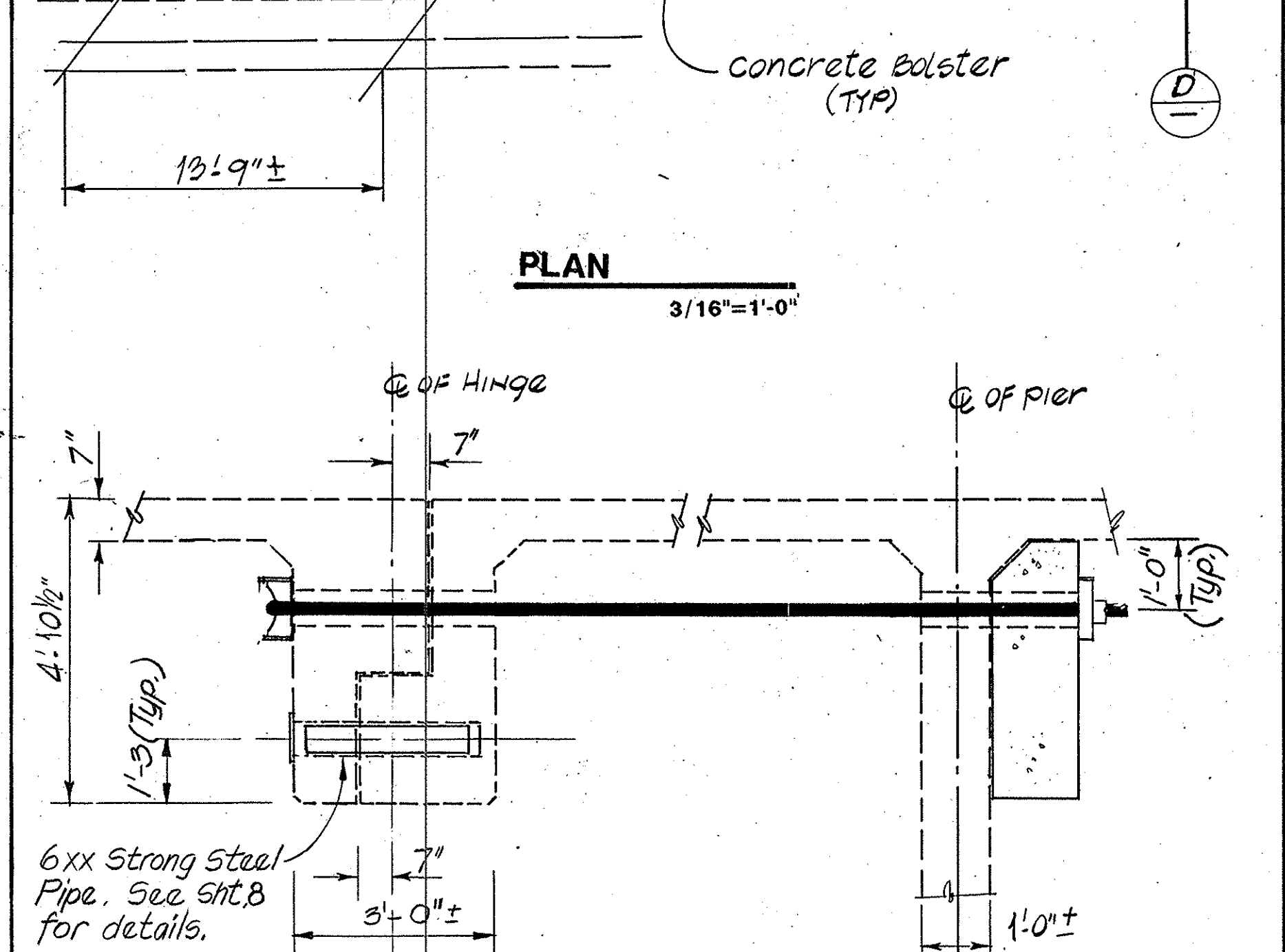
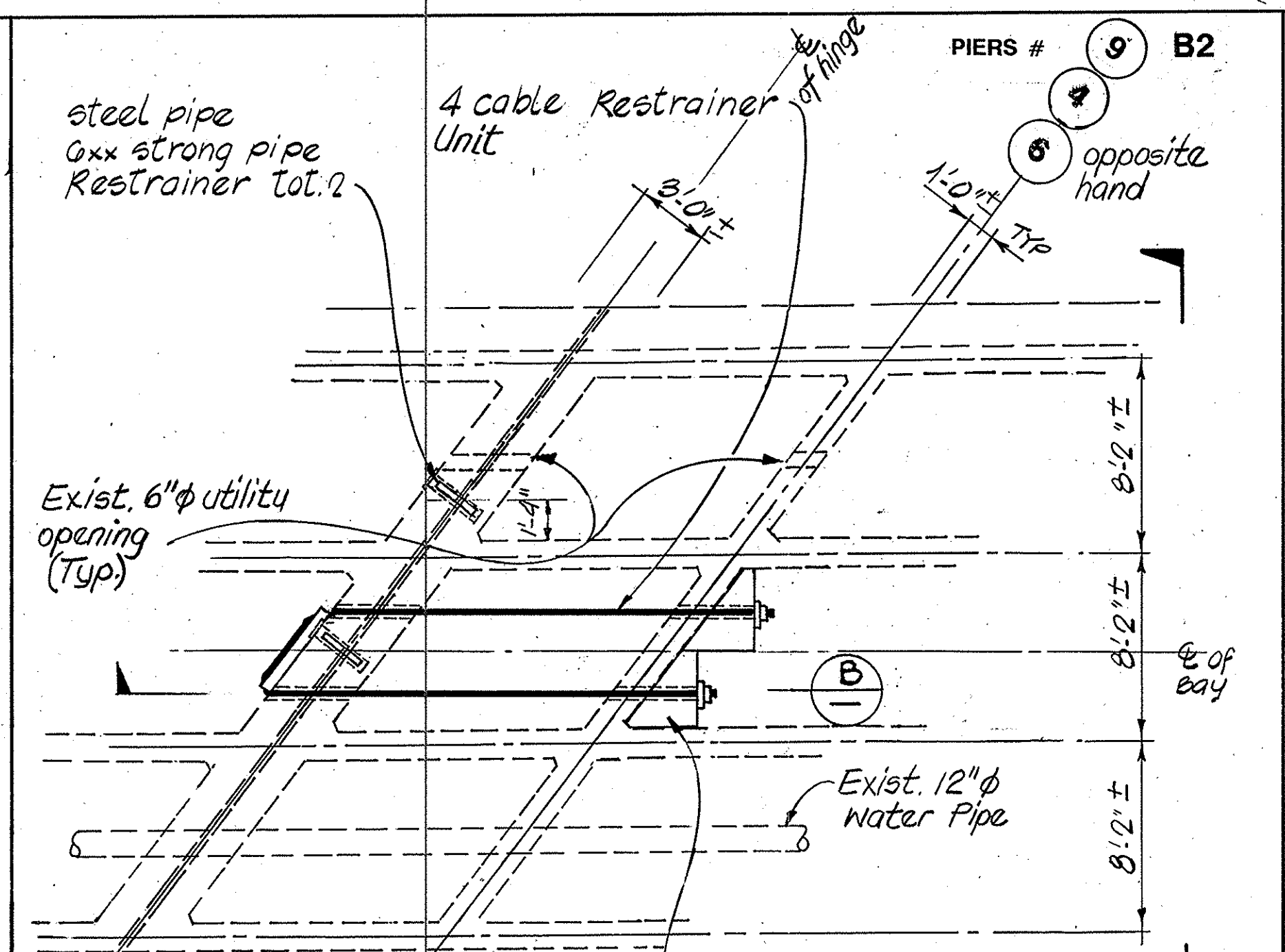
REVISION DATES (PRELIMINARY STAGE ONLY)

DISREGARD PRINTS BEARING
EARLIER REVISION DATES

CU 59M093-4
EA 12-EQC-067

REVISION DATES (PRELIMINARY STAGE ONLY)

7 9



TYPE 2 HINGE RETROFIT

DESIGN BY TOMMY TOMINNA
CHECKED CHIN C. CHEN
DETAILS BY EDUARDO REYES
CHECKED KEITH W. HERRON
QUANTITIES BY KEITH W. HERRON
CHECKED JAY ZHANG

LOAD FACTOR DESIGN BY CHIN C. CHEN
ORIGINAL SCALE IN INCHES FOR REDUCED PLANS
LAYOUT BY CHIN C. CHEN
SPECIFICATION BY CHIN C. CHEN

PREPARED FOR THE
STATE OF CALIFORNIA
DEPARTMENT OF TRANSPORTATION

BRIDGE NO. 55-C-111
POST MILE 11.071

PHASE II SEISMIC RETROFITTING PROJECT

SANTA ANA RIVER / TUSTIN AVE. BRIDGE

HINGE RETROFIT DETAILS 2

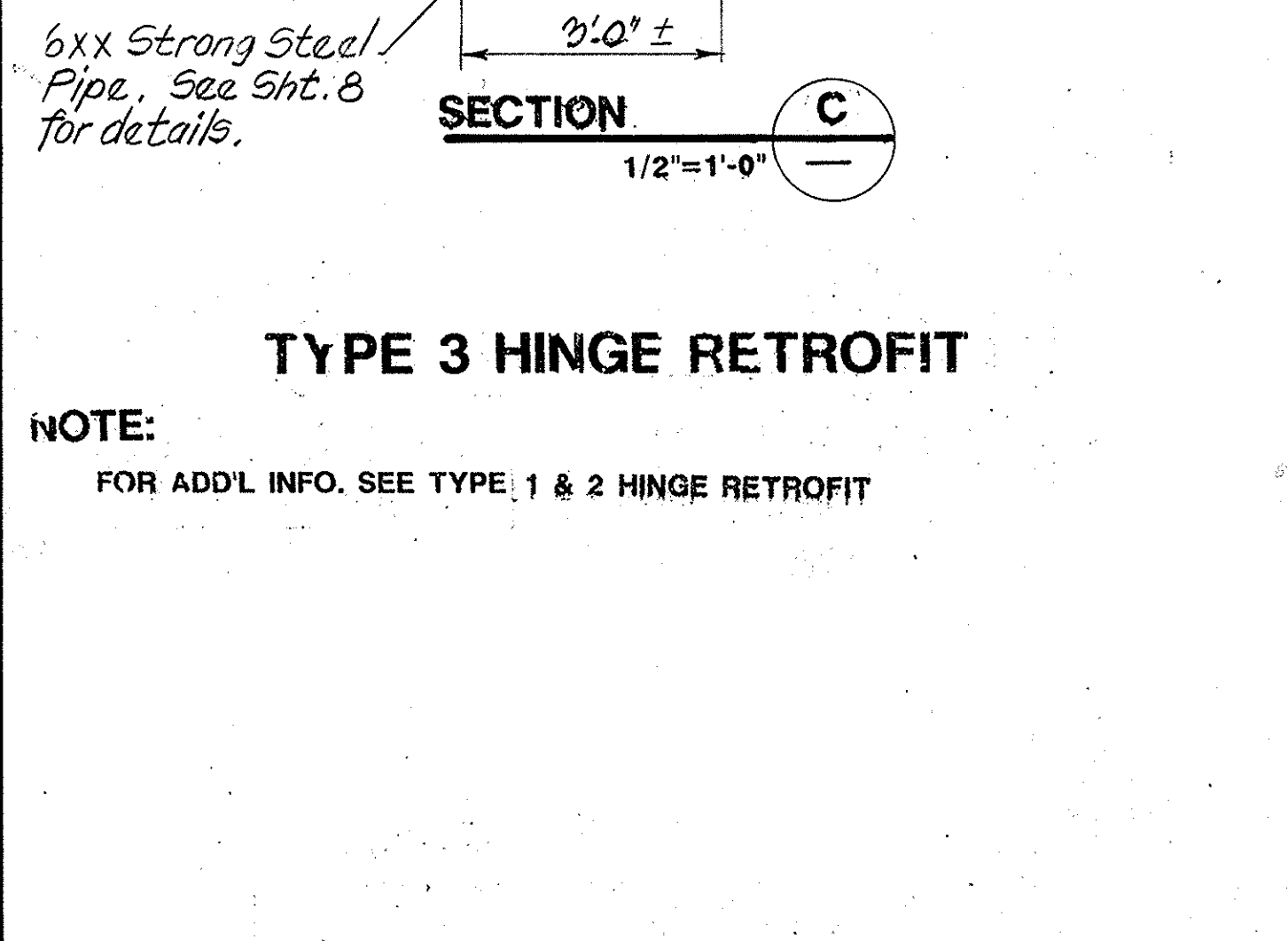
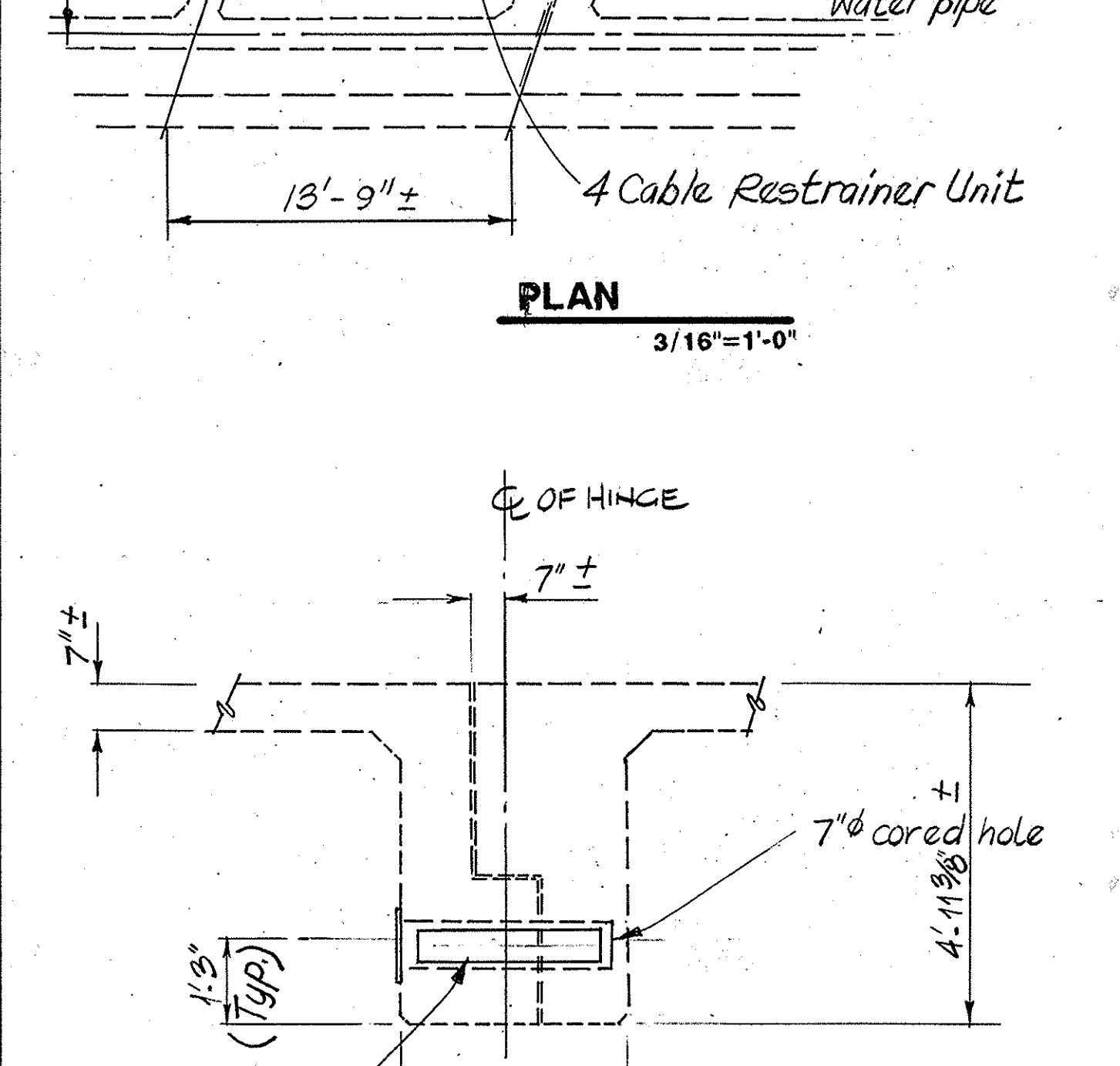
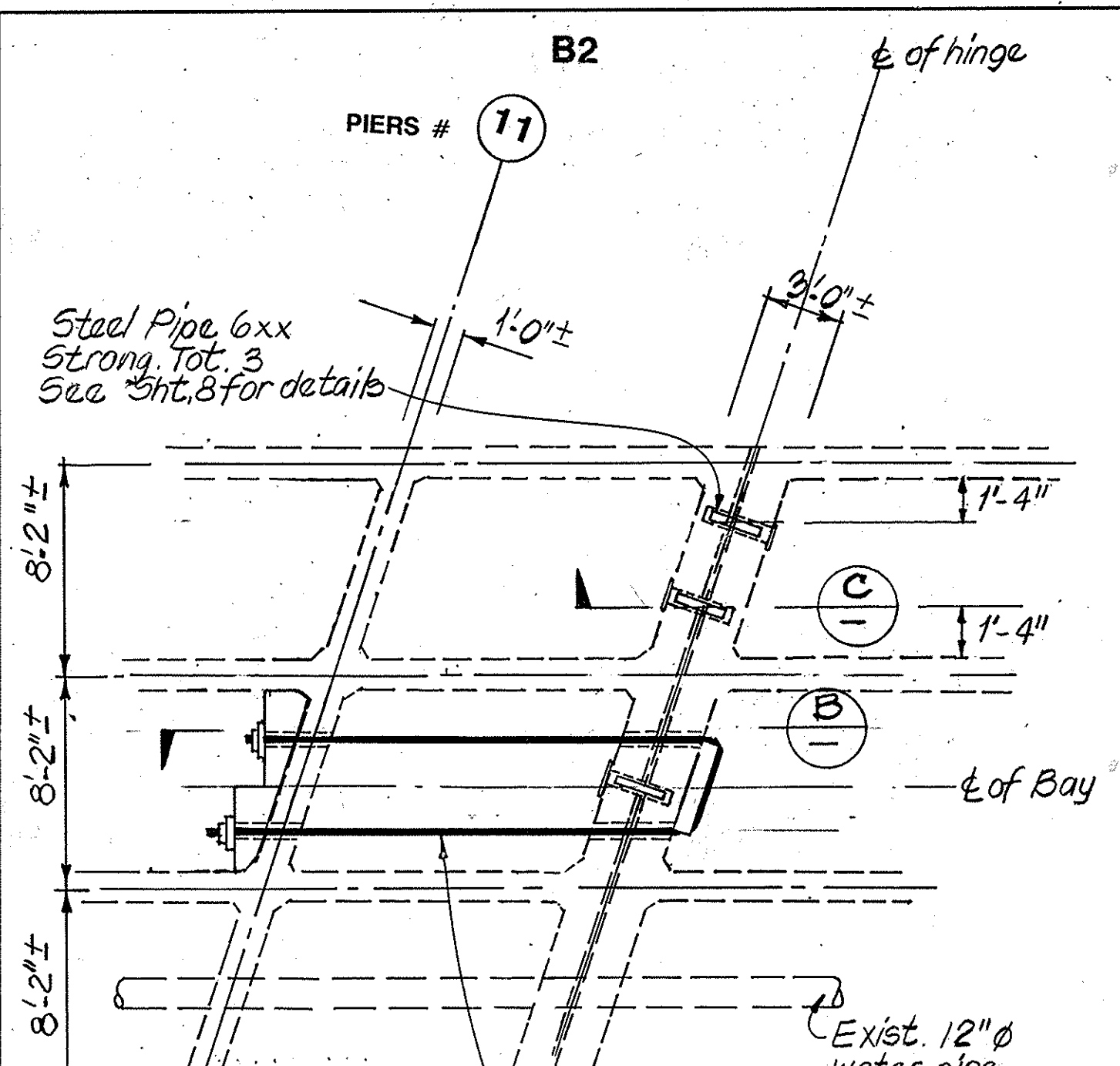
REVISION DATES (PRELIMINARY STAGE ONLY)

DISREGARD PRINTS BEARING
EARLIER REVISION DATES

CU 59M093-4
EA 12-EQC-067

REVISION DATES (PRELIMINARY STAGE ONLY)

7 9



TYPE 3 HINGE RETROFIT

DESIGN BY TOMMY TOMINNA
CHECKED CHIN C. CHEN
DETAILS BY EDUARDO REYES
CHECKED KEITH W. HERRON
QUANTITIES BY KEITH W. HERRON
CHECKED JAY ZHANG

LOAD FACTOR DESIGN BY CHIN C. CHEN
ORIGINAL SCALE IN INCHES FOR REDUCED PLANS
LAYOUT BY CHIN C. CHEN
SPECIFICATION BY CHIN C. CHEN

PREPARED FOR THE
STATE OF CALIFORNIA
DEPARTMENT OF TRANSPORTATION

BRIDGE NO. 55-C-111
POST MILE 11.071

PHASE II SEISMIC RETROFITTING PROJECT

SANTA ANA RIVER / TUSTIN AVE. BRIDGE

HINGE RETROFIT DETAILS 2

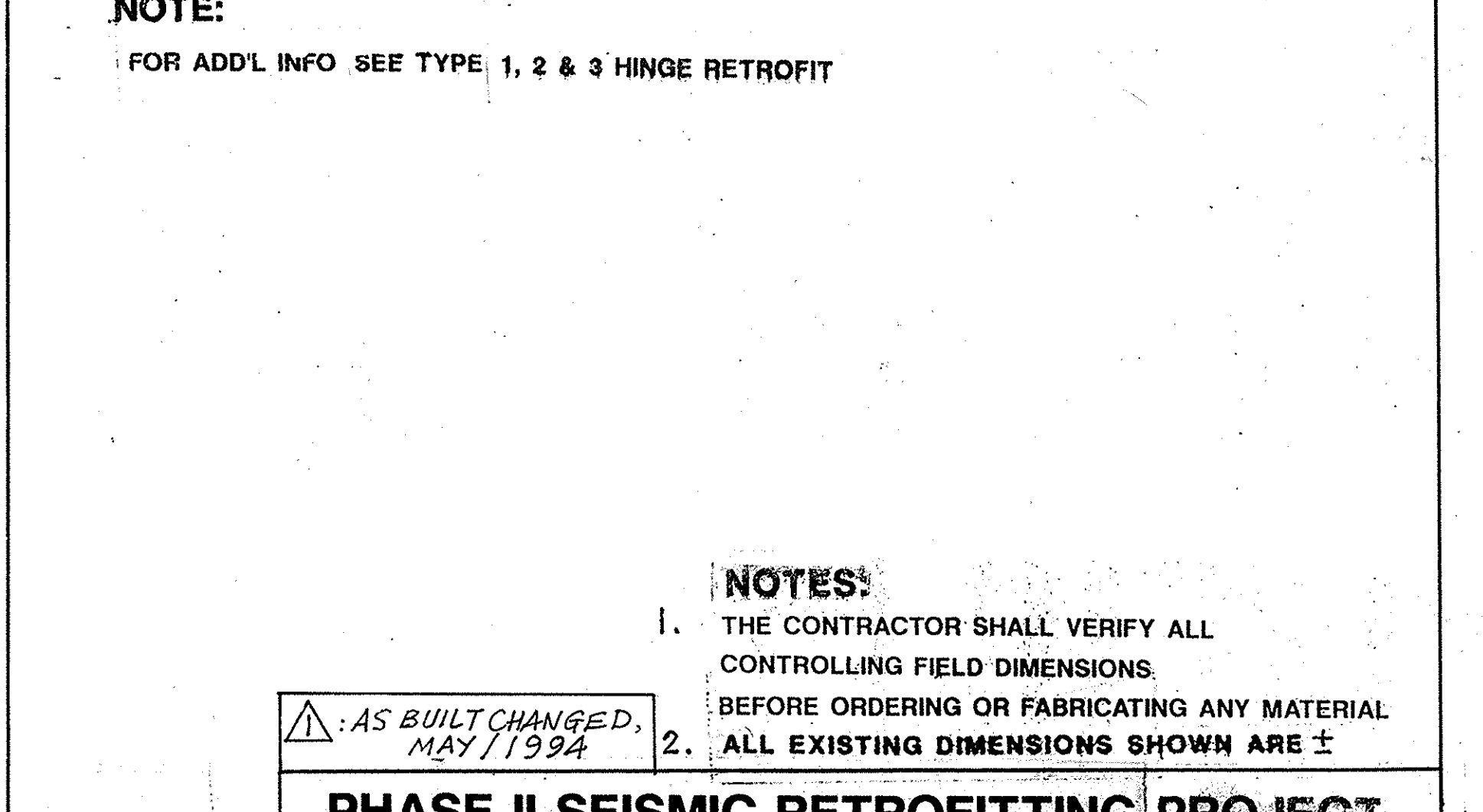
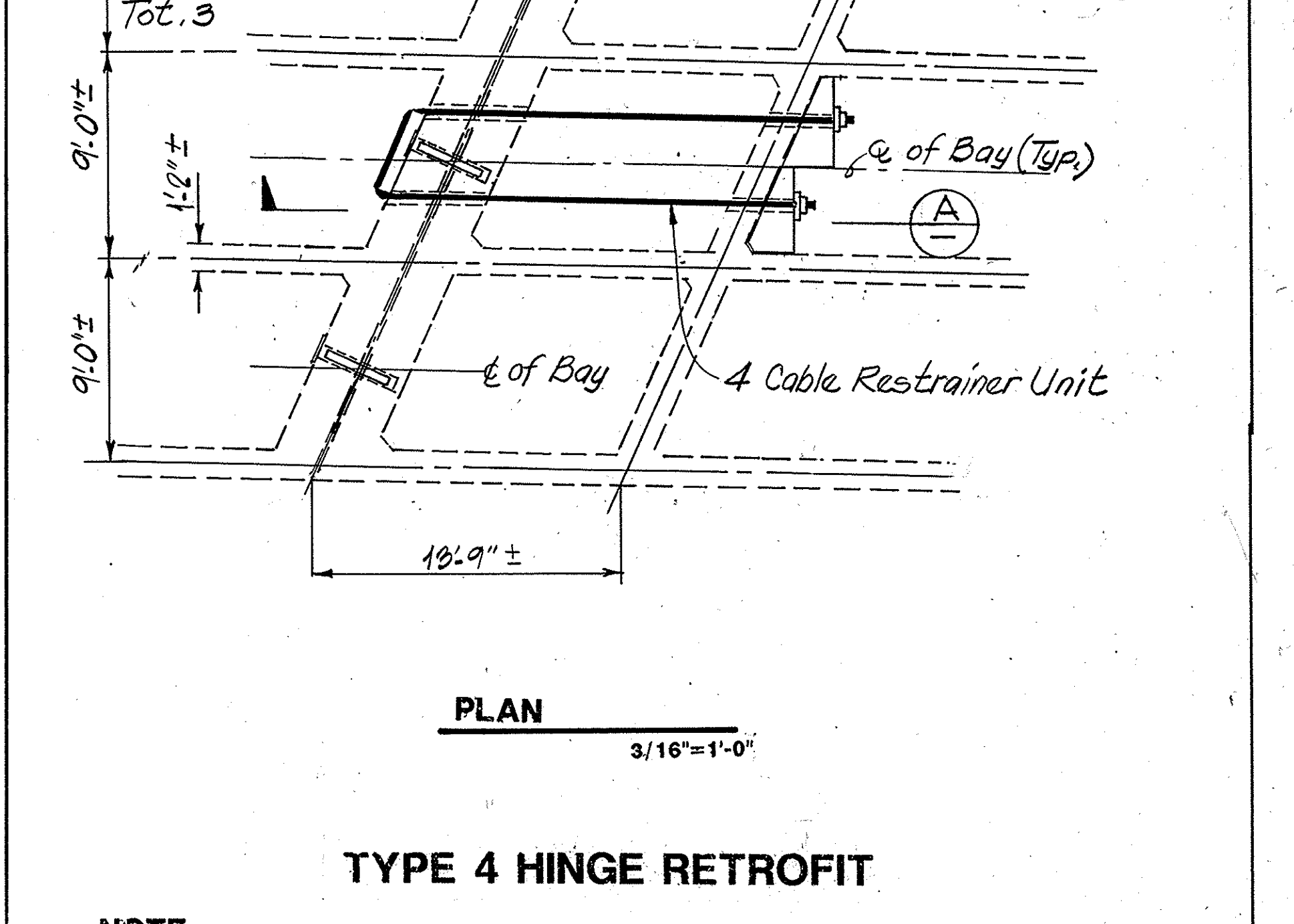
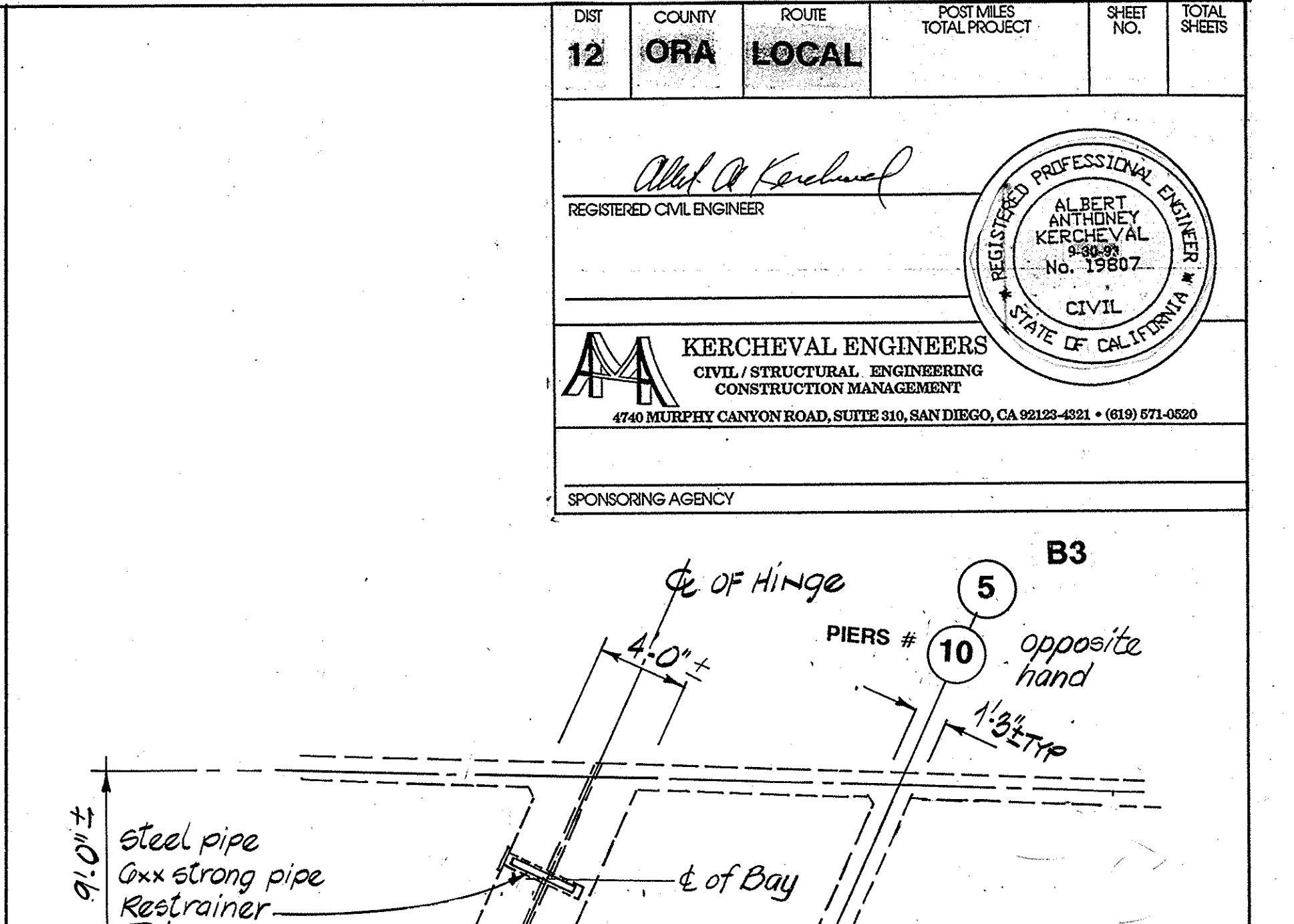
REVISION DATES (PRELIMINARY STAGE ONLY)

DISREGARD PRINTS BEARING
EARLIER REVISION DATES

CU 59M093-4
EA 12-EQC-067

REVISION DATES (PRELIMINARY STAGE ONLY)

7 9



TYPE 4 HINGE RETROFIT

DESIGN BY TOMMY TOMINNA
CHECKED CHIN C. CHEN
DETAILS BY EDUARDO REYES
CHECKED KEITH W. HERRON
QUANTITIES BY KEITH W. HERRON
CHECKED JAY ZHANG

LOAD FACTOR DESIGN BY CHIN C. CHEN
ORIGINAL SCALE IN INCHES FOR REDUCED PLANS
LAYOUT BY CHIN C. CHEN
SPECIFICATION BY CHIN C. CHEN

PREPARED FOR THE
STATE OF CALIFORNIA
DEPARTMENT OF TRANSPORTATION

BRIDGE NO. 55-C-111
POST MILE 11.071

PHASE II SEISMIC RETROFITTING PROJECT

SANTA ANA RIVER / TUSTIN AVE. BRIDGE

HINGE RETROFIT DETAILS 2

REVISION DATES (PRELIMINARY STAGE ONLY)

DISREGARD PRINTS BEARING
EARLIER REVISION DATES

CU 59M093-4
EA 12-EQC-067

REVISION DATES (PRELIMINARY STAGE ONLY)

7 9

DIST 12 COUNTY ORA ROUTE LOCAL POST MILES TOTAL PROJECT SHEET NO. TOTAL SHEETS

REGISTERED CIVIL ENGINEER

KERCHEVAL ENGINEERS
CIVIL/STRUCTURAL ENGINEERING
CONSTRUCTION MANAGEMENT
4740 MURPHY CANYON ROAD, SUITE 310, SAN DIEGO, CA 92123-4321 • (619) 571-0320

SPONSORING AGENCY

NOTES:

FOR ADD'L INFO SEE TYPE 1, 2 & 3 HINGE RETROFIT

TYPE 4 HINGE RETROFIT

NOTES:

1. THE CONTRACTOR SHALL VERIFY ALL CONTROLLING FIELD DIMENSIONS BEFORE ORDERING OR FABRICATING ANY MATERIAL

2. ALL EXISTING DIMENSIONS SHOWN ARE ±

AS BUILT CHANGED, MAY 1994

PHASE II SEISMIC RETROFITTING PROJECT

SANTA ANA RIVER / TUSTIN AVE. BRIDGE

HINGE RETROFIT DETAILS 2

REVISION DATES (PRELIMINARY STAGE ONLY)

DISREGARD PRINTS BEARING
EARLIER REVISION DATES

CU 59M093-4
EA 12-EQC-067

REVISION DATES (PRELIMINARY STAGE ONLY)

7 9