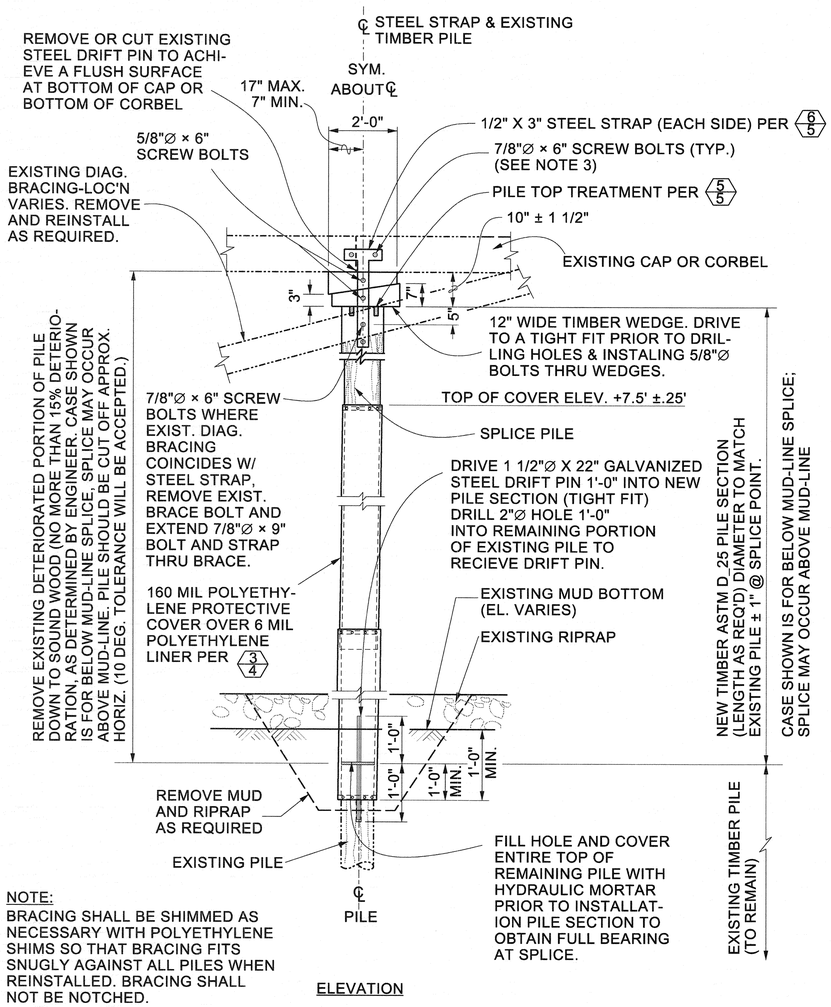
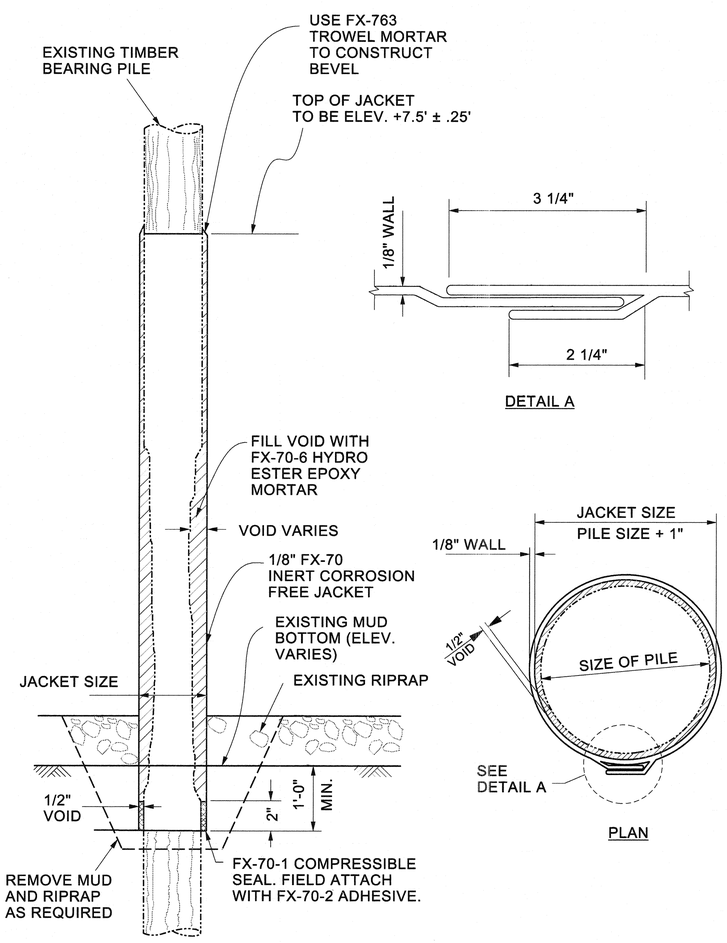


NOTE:
BRACING SHALL BE SHIMMED AS NECESSARY WITH POLYETHYLENE SHIMS SO THAT BRACING FITS SNUGLY AGAINST ALL PILES WHEN REINSTALLED. BRACING SHALL NOT BE NOTCHED.

ELEVATION

1/4 SPLICE PILE ("POST PILE" REPAIR METHOD)

SEE NOTE 1
NOT TO SCALE



ELEVATION

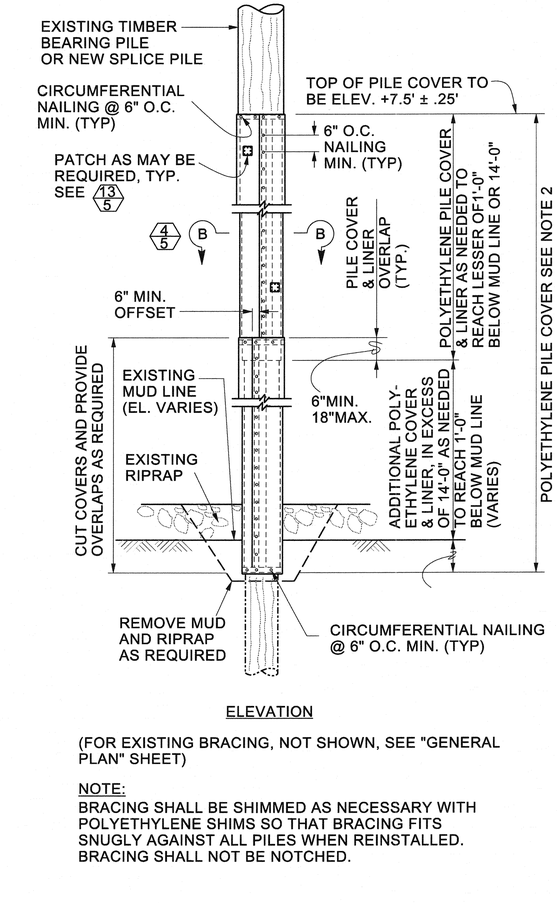
(FOR EXISTING DIAGONAL BRACING, NOT SHOWN, SEE "GENERAL PLAN" SHEET)

2/4 FILL-VOID PIPE ("REPAIR PILE" METHOD)

NOT TO SCALE

No As-Built Changes

AS BUILT
CORRECTIONS BY_____
CONTRACT NO._____
DATE _____



ELEVATION

(FOR EXISTING BRACING, NOT SHOWN, SEE "GENERAL PLAN" SHEET)

NOTE:
BRACING SHALL BE SHIMMED AS NECESSARY WITH POLYETHYLENE SHIMS SO THAT BRACING FITS SNUGLY AGAINST ALL PILES WHEN REINSTALLED. BRACING SHALL NOT BE NOTCHED.

3/4 TIMBER PILE PROTECTION ("WRAP PILE" REPAIR METHOD)

NOT TO SCALE

NOTES

1. INSTALL NEW GALVANIZED HARDWARE FOR POSTED PILES, NEW TIMBER BRACE, AND PILE CAP SPLICE
2. POLYETHYLENE PILE COVER AND LINER:
   PILE COVERS SHALL BE 160 MIL BLACK POLYETHYLENE. LINER SHALL BE 6 MIL POLYETHYLENE. THE CONTRACTOR SHALL INSTALL PILE COVERS AND LINERS TO OBTAIN A TIGHT FIT WITHOUT FISH MOUTHS AT JOINTS. LINER SHALL BE FITTED SNUGLY ENOUGH TO PRODUCE A NEAR AIR-TIGHT FIT. REMOVE KNOTS, MARINE GROWTH AND SURFACE OBSTRUCTIONS ON THE PILES AS NECESSARY TO ACHIVE A SMOOTH TIGHT FIT. REFER TO THE SPECIFICATION FOR INSTALLATION.
3. DRILL MAX 2"Ø HOLE THROUGH EXISTING C12×28.9 AS CLOSE AS POSSIBLE TO MID-DEPTH TO INSTALL THESE LAG SCREWS AND TO LOOSEN AND RE-TIGHTEN BRACING. APPLY COLD DIP GALVANIZING TO EXPOSED METAL.

CONTRACTOR SHALL VERIFY ALL CONTROLLING FIELD DIMENSIONS BEFORE ORDERING OR FABRICATING ANY MATERIALS.

COUNTY OF ORANGE CALIFORNIA

MARK	DESCRIPTION	DATE	APPR.

PREPARED UNDER THE RESPONSIBLE CHARGE OF: REGISTERED CIVIL ENGINEER R. HOSINGTON, JR. No.C042367 Exp. 3/31/08 STATE OF CALIFORNIA
R. HOSINGTON
DATE 8/13/2007

DESIGNED BY: C.PHUNG
DRAWN BY: J. VILLALOBOS/ C.PHUNG
CHECKED BY: R. HOSINGTON
DRAWING CODE:
FILE NAME:
PLOT DATE: 8/13/2007
SCALE: NTS

ORANGE COUNTY RESOURCES & DEVELOPMENT MANAGEMENT DEPARTMENT
PREPARED BY: BRIDGE DESIGN SECTION

PILE REPAIR AT BENT 15 FOR THE EDINGER AVENUE BRIDGE OVER BOLSA CHICA CHANNEL

SHEET REFERENCE NUMBER

PILE REPAIR DETAILS

SHEET 4 OF 5