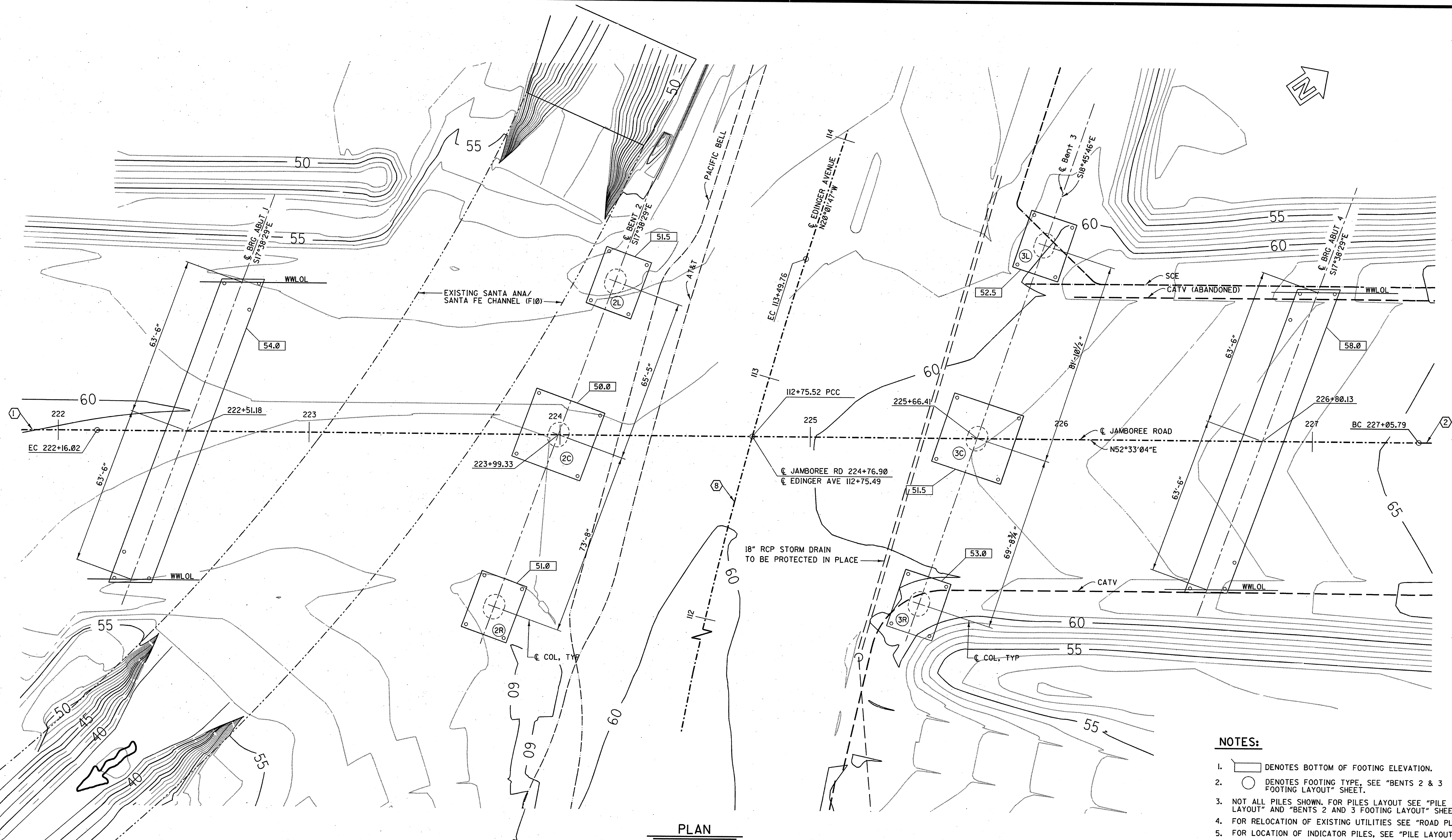


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BENCH MARKS

BASIS OF BEARING

THE BEARING $N52^{\circ}33'04''E$ FOR THE CENTER LINE OF JAMBOREE ROAD, WAS USED AS THE BASIS OF BEARING HEREON; AS SHOWN PER PARCEL MAP *91-265, P.M.B. 276/34-44, RECORDS OF ORANGE COUNTY, CALIFORNIA.

HORIZONTAL DATUM

COORDINATES ARE BASED ON THE CALIFORNIA STATE PLANE COORDINATE SYSTEM, ZONE VI, 1983 NORTH AMERICAN DATUM, (1991.35 EPOCH O.C.S. G.P.S. ADJUSTMENT).

VERTICAL DATUM

ELEVATIONS ARE BASED ON O.C.S. BENCHMARKS:
3B-105-91 ELEV = 60.281'
3B-97-85 ELEV = 54.526'
NGVD 1929 (1976 O.C.S. ADJUSTMENT)

CURVE DATA

- ① $R = 2700.00'$
 $D = 13^{\circ}50'56''$
 $L = 652.61'$
 $T = 327.90'$
- ② $R = 2350.00'$
 $D = 27^{\circ}29'01''$
 $L = 1127.25'$
 $T = 574.69'$
- ③ $R = 1799.96'$
 $D = 29^{\circ}28'49''$
 $L = 920.89'$
 $T = 468.44'$

NOTES:

1. DENOTES BOTTOM OF FOOTING ELEVATION.
2. DENOTES FOOTING TYPE, SEE "BENTS 2 & 3 FOOTING LAYOUT" SHEET.
3. NOT ALL PILES SHOWN. FOR PILES LAYOUT SEE "PILE LAYOUT" AND "BENTS 2 AND 3 FOOTING LAYOUT" SHEETS.
4. FOR RELOCATION OF EXISTING UTILITIES SEE "ROAD PLANS".
5. FOR LOCATION OF INDICATOR PILES, SEE "PILE LAYOUT" SHEET AND "BENTS 2 & 3 FOOTING LAYOUT AND STEEL PILE DETAILS" SHEET.

URS GREINER, INC.
1241 EAST DYER ROAD, SUITE 250
SANTA ANA, CALIFORNIA 92705-5605

ORANGE COUNTY ENVIRONMENTAL MANAGEMENT AGENCY	
JAMBOREE ROAD GRADE SEPARATION AT EDINGER AVENUE	
FOUNDATION PLAN	
DESIGNED J.W.	SHEET 99 OF 130
DRAWN A. GOMEZ	CHECKED G.L.R.
SCALE AS SHOWN	DATE 6-97
DRAWING NO.	

REVISIONS

PREPARED UNDER RESPONSIBLE CHARGE OF:

DAVID A. ANDERSON
No. 36066
6-30-00
C.E.M.
STATE OF CALIFORNIA

5-97
DATE

DR 1 C16157