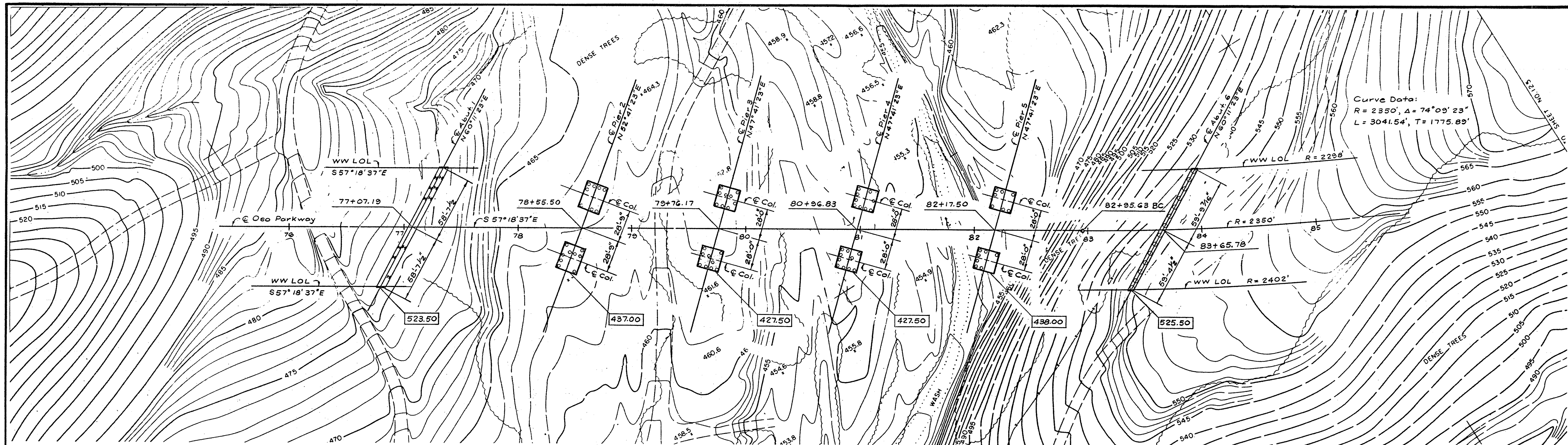
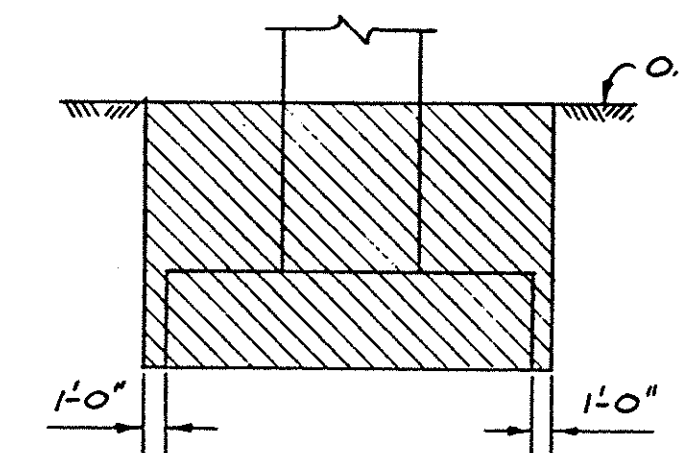




FOUNDATION PLAN

1" = 40'

523.50 — Denotes bottom of footing and bottom of abut. pedestal elevation.



AT PIER FOOTINGS

— Structure Excavation (Type D)

EARTHWORK LIMITS

No Scale

NOTE: For limits not shown see AG2-C

1 1/2 0 1 2
3 inches on original drawing

GENERAL NOTES LOAD FACTOR DESIGN

DESIGN: BRIDGE DESIGN SPECIFICATIONS (1983 ASSHTO with Interims and CALTRANS Supplements).

DEAD LOAD: Includes 35 psf for future wearing surface.

LIVE LOADS: HS20-44 and Alternative and Permit Design Load.

REINFORCED CONCRETE: $f'_c = 3,250$ psi
 $f_y = 60,000$ psi
 $n = 9$

TRANSVERSE DECK SLABS: $f_c = 1,200$ psi
 $f_s = 20,000$ psi
 $n = 10$

PRESTRESSED CONCRETE: See "Prestressing Notes"

AS BUILT PILE DRIVING DATA

▲ PILE DRIVER, MAKE AND MODEL: PILECO D22-23

DRIVING ACTION: DIESEL

RATED ENERGY: 40,000 FT-LBS

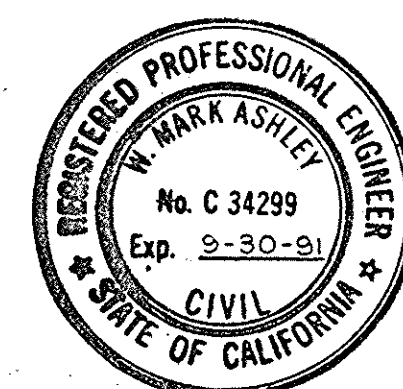
RAM WEIGHT: 4850 LBS

MAX. STROKE: 10'

BEARING VALUE FORMULA:

$P =$ OR $\sim P = \frac{2E}{S+0.1}$

LOCATION	CUT-OFF ELEVATION	MAXIMUM TIP ELEVATION	MINIMUM TIP LENGTH	AVERAGE "AS BUILT" PILE TIP ELEVATION	AVERAGE STROKE HEIGHT	AVERAGE BLOW PER FOOT	AVERAGE BEARING VALUE (TONS)
ABUT. 1	523.92	433.50	443.50	437	9'	110	209



PILE DATA

LOCATION	DESIGN LOADING	PILE TYPE	SPECIFIED TIP ELEVATION	PROBABLE TIP ELEVATION
ABUT. 1	90 TON	HP 12X74 STEEL PILE	440.00	435.00
PIER 2	170 TON	24" C.I.D.H. CONCRETE PILE	397.00	—
PIER 3	" "	" " " "	387.50	—
PIER 4	" "	" " " "	387.50	—
PIER 5	" "	" " " "	398.00	—
ABUT. 6	115 TON	42" C.I.D.H. CONCRETE PILE	498.50	—

CONCRETE STRENGTH AND TYPE LIMITS

- Structural Concrete, Bridge
- Structural Concrete, Bridge (4000 psi @ 28 days)
- Structural Concrete, Bridge Footing

McDANIEL ENGINEERING COMPANY, INC.
5080 OLD TOWN AVE., SUITE 207B, SAN DIEGO, CA 92110 • (619) 592-1920

ENGINEER OF WORK:
W. Mark Ashley C34299 9-30-91 8-10-89
RCE EXP. DATE

MARK	DATE	DESCRIPTION	PREPARED UNDER SUPERVISION OF	SHEET
8-92	AS BUILT			43/76
DESIGNED	DATE	DWG. NO.	SCALE	AS SHOWN
DRAWN	CHECKED			

ORANGE COUNTY
ENVIRONMENTAL MANAGEMENT AGENCY

**OSO PARKWAY BRIDGE
OVER ARROYO TRABUCO**

FOUNDATION PLAN