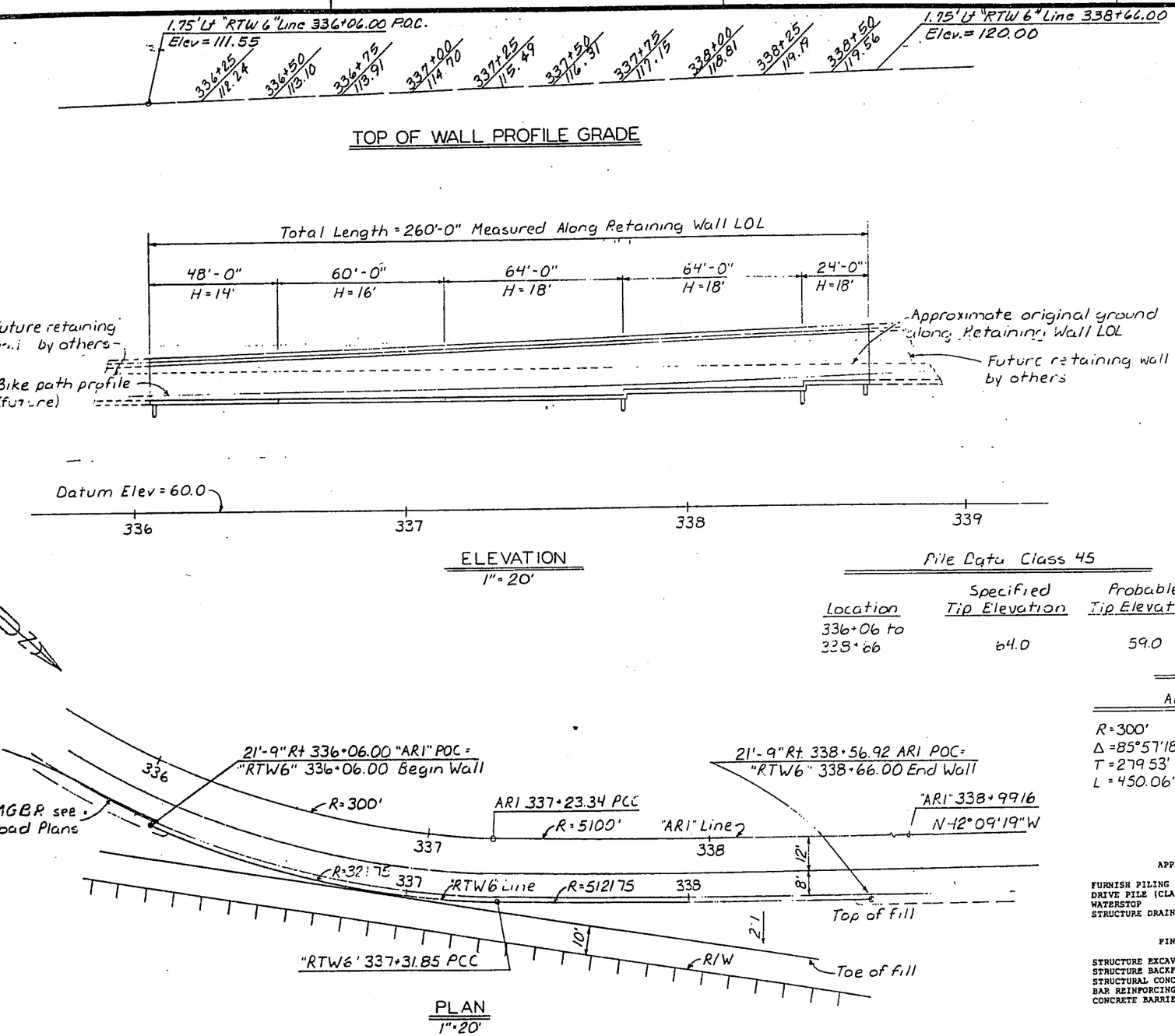
DIST	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET NO	TOTAL SHEETS
04	SCI	87	3.3/4.9	302	428

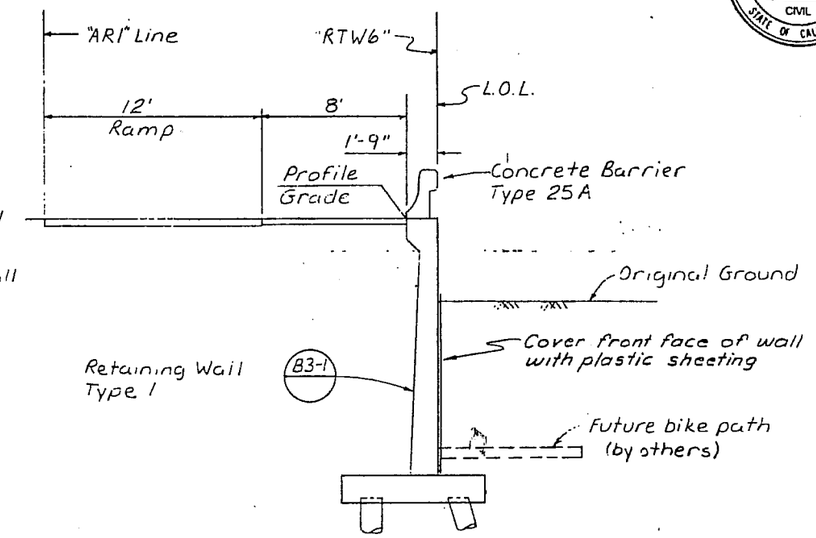
CHIEF, OFFICE OF STRUCTURE DESIGN
REGISTERED CIVIL ENGINEER

6-6-88
PLANS APPROVAL DATE

REGISTERED PROFESSIONAL ENGINEER S.D. NEWELL No. 13798 Exp. 3-31-89 CIVIL STATE OF CALIFORNIA

REDUCED PLAN
USE SCALE BELOW
0 1 2 3
3 INCHES ON ORIGINAL PLAN





TYPICAL SECTION
1/4" = 1'-0"

Pile Data Class 45

Location	Specified Tip Elevation	Probable Tip Elevation
336+06 to 338+66	64.0	59.0

Curve Data

ARI		RTW6	
R = 300'	R = 5100'	R = 321.75	R = 5121.75
Δ = 85°57'18"	Δ = 1°58'31"	Δ = 22°24'37"	Δ = 1°30'03"
T = 279.53'	T = 87.92	T = 63.74'	T = 67.08'
L = 450.06'	L = 175.82'	L = 125.85'	L = 134.15'

APPROXIMATE QUANTITIES

FURNISH PILING (CLASS 45)	2,527	LF
DRIVE PILE (CLASS 45)	69	EA
WATERSTOP	52	LF
STRUCTURE DRAINAGE SYSTEM	LUMP SUM	

FINAL PAY QUANTITIES

STRUCTURE EXCAVATION (RETAINING WALL)	1,530	CY
STRUCTURE BACKFILL (RETAINING WALL)	1,175	CY
STRUCTURAL CONCRETE, RETAINING WALL	365	CY
BAR REINFORCING STEEL (RETAINING WALL)	41,200	LB
CONCRETE BARRIER (TYPE 25A)	260	LF

INDEX TO PLANS

SHEET NO.	TITLE
1	GENERAL PLAN
2	FOUNDATION PLAN
3	WALL LAYOUT AND DETAILS
4	LOG OF TEST BORINGS

STANDARD PLANS DATED JANUARY 1988

A62-B	EXCAVATION AND BACKFILL - BRIDGE
	SURCHARGE AND WALL
B0-1	BRIDGE DETAILS
B0-3	BRIDGE DETAILS
B2-5	PILE DETAILS - CLASS 45 AND CLASS 70
B3-1	RETAINING WALL - TYPE 1 H = 4' - 30'
B3-8	RETAINING WALL DETAILS NO. 1
B11-53	CONCRETE BARRIER TYPE 25

Standard Plan Sheet No.
Detail No.

GUADALUPE CORRIDOR
RETAINING WALL NO. 6
GENERAL PLAN

Designed by R. C. Aulen, C 17180 (Registered Civil Engineer Number)	DESIGN	By D. Blakeley	Checked N. Swan	LOAD FACTOR DESIGN	LIVE LOADING: HS20-44 AND ALTERNATIVE AND PERMIT DESIGN LOAD
Structural Recommended by S. U. Mancarti, C-8198 (Registered Civil Engineer Number)	DETAILS	By D. Blakeley	Checked N. Swan	LAYOUT By T. Farman	Checked N. Swan
	QUANTITIES	By D. Blakeley	Checked N. Swan	SPECIFICATIONS By Brad J. Phillips	Plans and Specs Compared J. Strothman

State of CALIFORNIA
DEPARTMENT OF TRANSPORTATION

DIVISION OF STRUCTURES
STRUCTURE DESIGN 10
Thomas W. Farman 3/4/89
PROJECT ENGINEER — REGISTERED CIVIL ENGINEER NO.

BRIDGE NO. 37-RW06
POST MILE 4.25

CU04
EA 487241

ORIGINAL SCALE IN INCHES FOR REDUCED PLANS 0 1 2 3

Disregard prints bearing earlier revision dates

REVISION DATES (PRELIMINARY STAGE ONLY) 3/4/89 3/23/89

SHEET 1 OF 4

(134 (2/88))

DIST	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET NO.	TOTAL SHEETS
04	SCI	87	3.3/4.9	303	428

REGISTERED CIVIL ENGINEER

6-6-88

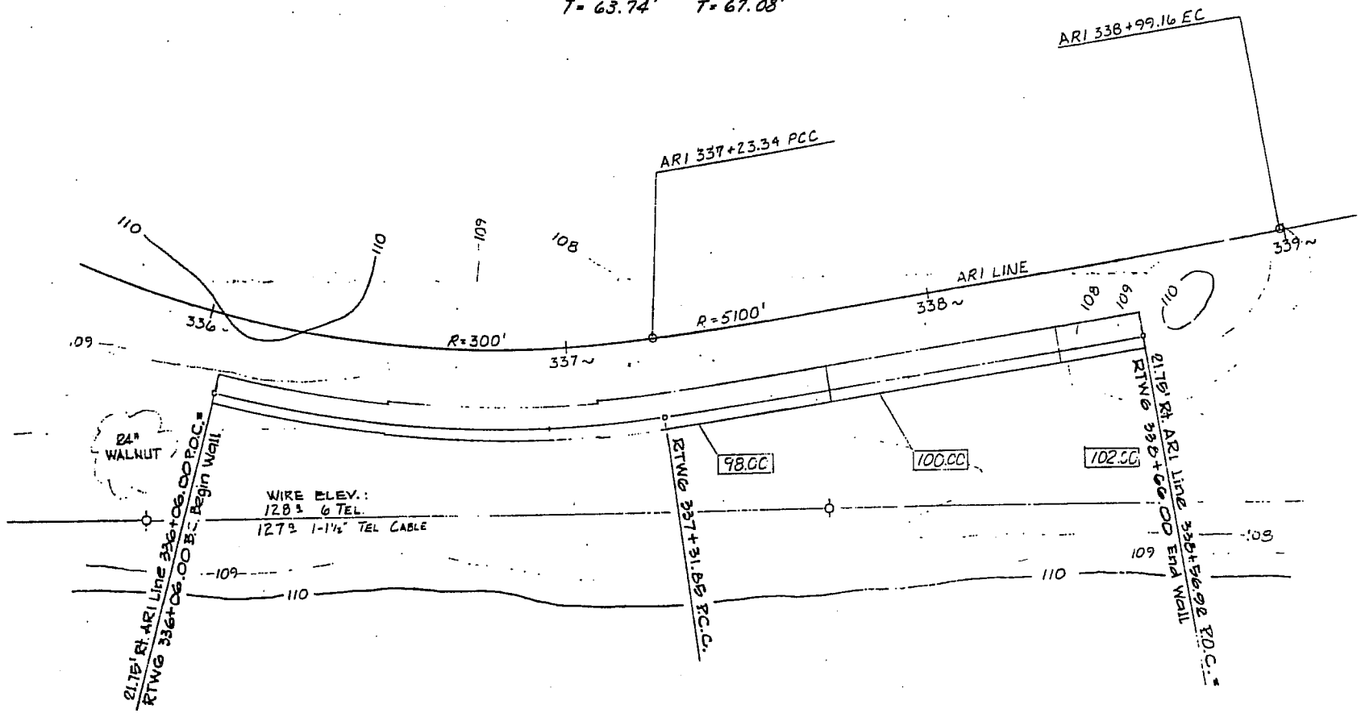
PLANS APPROVAL DATE

PROFESSIONAL ENGINEER R.C. ANDERSON No. C17180 Exp. 6-30-89 CIVIL STATE OF CALIFORNIA

REDUCED PLAN
USE SCALE BELOW
0 1 2 3
3 INCHES ON ORIGINAL PLAN

ARI LINE
R=300' L=450.06' Δ=85°57'18" T=279.53'
R=5100' L=175.82' Δ=1°58'31" T=87.92'

RTW6 Line
R=321.75' L=125.85' Δ=22°24'37" T=63.74'
R=5121.75' L=134.15' Δ=1°30'03" T=67.08'



Notes:
For footing and pile layout see "Wall Layout & Details" sheet.
[ ] : Denotes bottom of footing elevations.

BENCH MARKS

DR-21 FND 1" PIPE W/PLASTIC PLUG & TACK APPROX 160' RT. OF G. 335+40
ELEV. 108.01

DR-20: 1" PIPE W/PLASTIC PLUG & TACK APPROX. 175' RT OF G. 332+20
ELEV. 110.98

PR 37-RW06-1

PRELIMINARY INVESTIGATION SECTION							
SCALE 1"=20'	DATUM NGVD	PHOTOGRAMMETRY AS OF:		DRAWN	By RMH	10/84	
		SURVEYED	By RDR	4/85	TRACED	By AVV	6/85
ALIGNMENT TIES PR 37421-4		FIELD CHKD	By RDR	4/85	CHECKED	By JPG	10/84

DESIGN	By D. Blakesley	Checked	K. Swan
DETAILS	By D. Blakesley	Checked	K. Swan
QUANTITIES	By D. Blakesley	Checked	K. Swan

State of CALIFORNIA DEPARTMENT OF TRANSPORTATION

STRUCTURES - DESIGN 10
Thomas Farnan 36419
PROJECT ENGINEER REGISTERED CIVIL ENGINEER NO.

BRIDGE NO. 37-RW06
POST MILE 4.25

RETAINING WALL NO. 6
FOUNDATION PLAN

ORIGINAL SCALE IN INCHES FOR REDUCED PLANS 0 1 2 3

CU 042261
WO 487241

Disregard prints bearing earlier revision dates

REVISION DATES (PRELIMINARY STAGE ONLY) 7/14/86 7/14/87 3/1/88

SHEET 2 OF 4

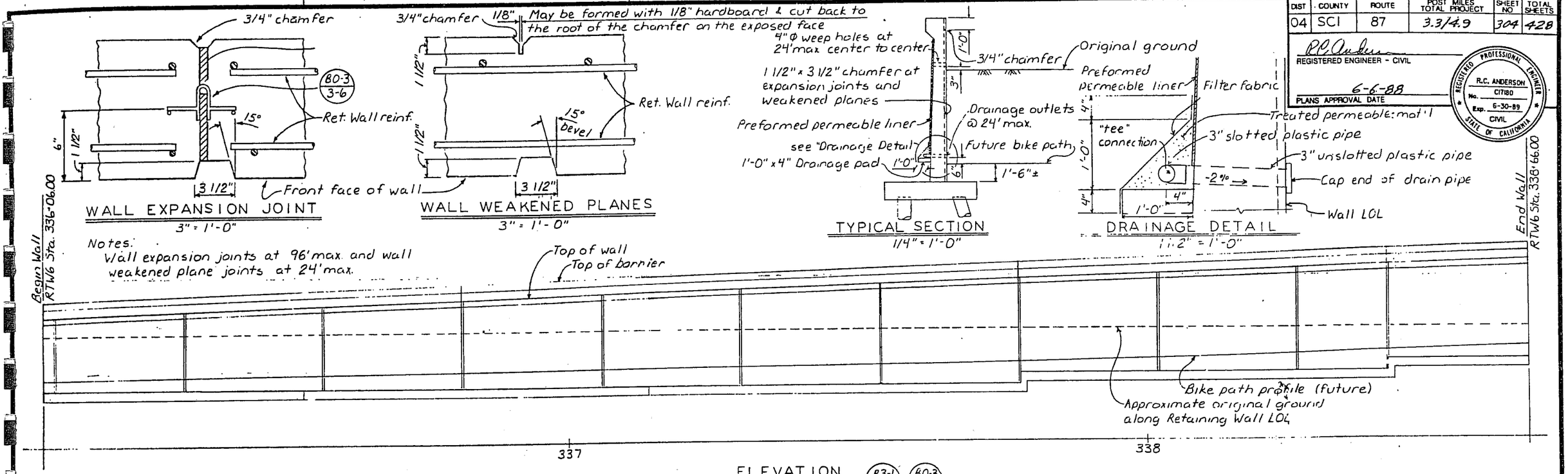
81 8149

DIST	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET NO	TOTAL SHEETS
04	SCI	87	3.3/4.9	304	428

REGISTERED ENGINEER - CIVIL

6-6-88
PLANS APPROVAL DATE

REGISTERED PROFESSIONAL ENGINEER R.C. ANDERSON No. C17180 Exp. 6-30-89 CIVIL STATE OF CALIFORNIA



DESIGN	By D. Blakeley	Checked K. Swan
DETAILS	By D. Blakeley	Checked K. Swan
QUANTITIES	By D. Blakeley	Checked K. Swan

State of CALIFORNIA DEPARTMENT OF TRANSPORTATION

DIVISION OF STRUCTURES
STRUCTURE DESIGN 10
Thomas W. Forman 36419
PROJECT ENGINEER REGISTERED CIVIL ENGINEER NO

BRIDGE NO. 37-RW06
POST MILE 4.25

RETAINING WALL NO. 6
WALL LAYOUT & DETAILS

ORIGINAL SCALE IN INCHES FOR REDUCED PLANS 0 1 2 3

CU04
EA 487241

Disregard prints bearing earlier revision dates

REVISION DATES (PRELIMINARY STAGE ONLY)

SHEET 3 OF 4