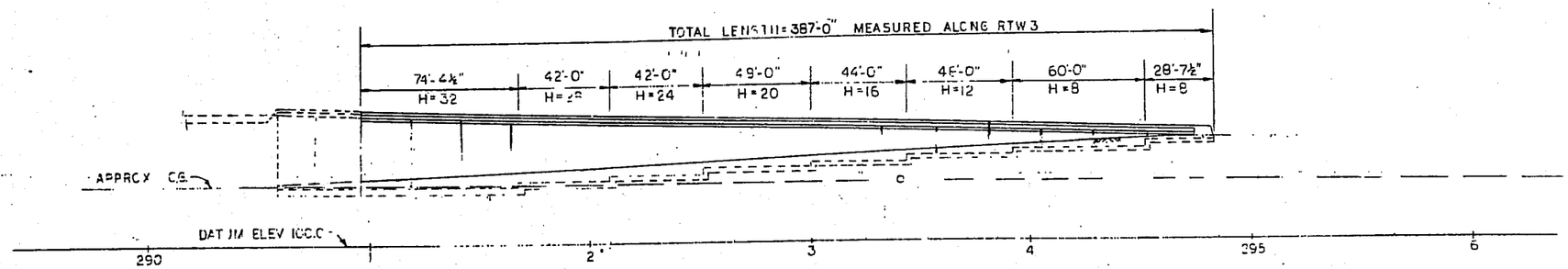
DIST.	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET NO	TOTAL SHEETS
04	SCI	87	3.3/4.9	296	428

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

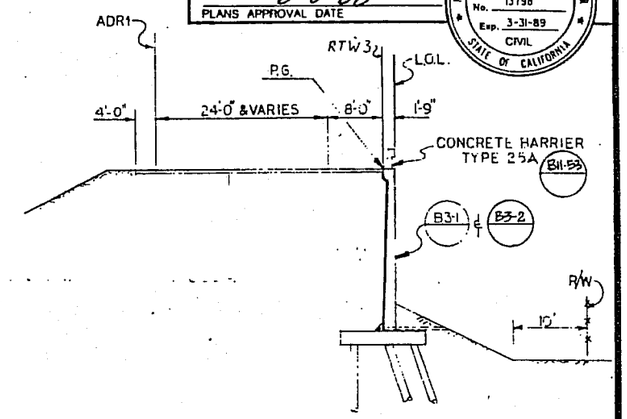
PROFILE GRADE
NO SCALE



ELEVATION
1"=30'

PILE DATA CLASS 45

LOCATION	SPECIFIED TIP EL.	PROBABLE TIP EL.
290+91 TO 293+50	73.0	68.0
293+50 TO 294+82	81.0	75.0



TYPICAL SECTION
1"=10'

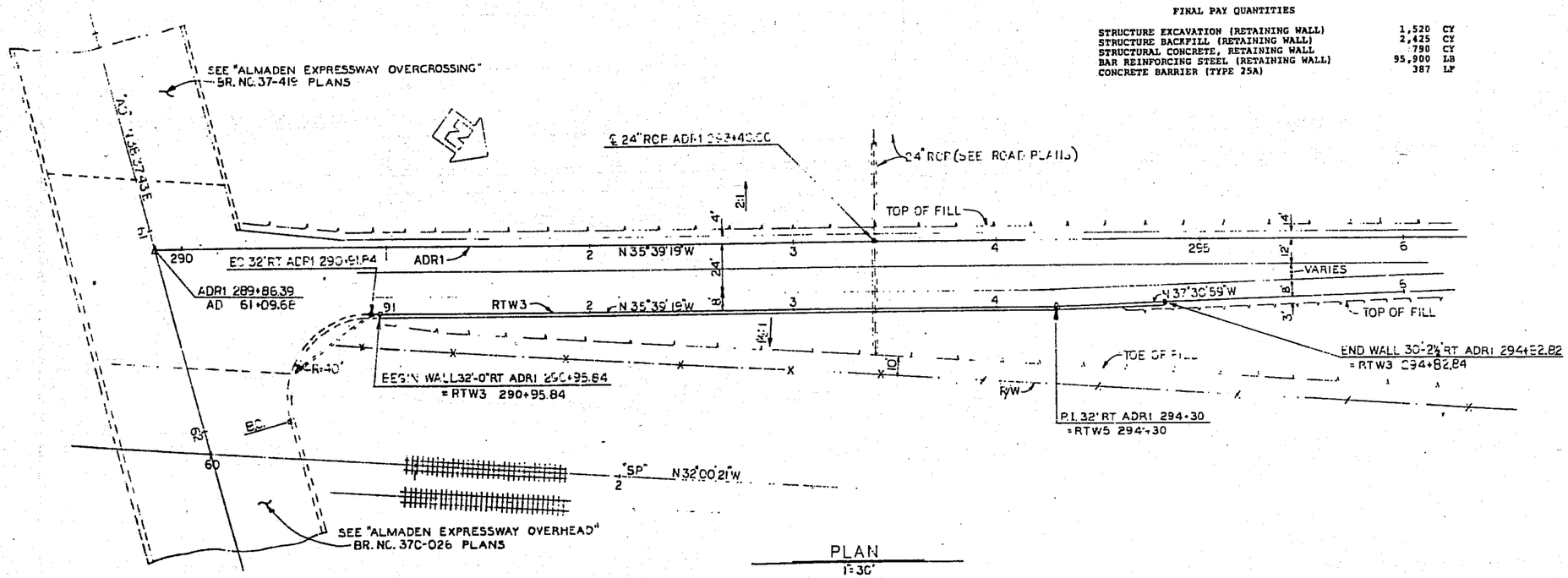
APPROXIMATE QUANTITIES

FURNISH PILING (CLASS 45)	9,545	LF
DRIVE PILE (CLASS 45)	171	EA
WATERSTOP	91	LF
STRUCTURE DRAINAGE SYSTEM	LUMP SUM	

FINAL PAY QUANTITIES

STRUCTURE EXCAVATION (RETAINING WALL)	1,520	CY
STRUCTURE BACKFILL (RETAINING WALL)	2,425	CY
STRUCTURAL CONCRETE, RETAINING WALL	790	CY
BAR REINFORCING STEEL (RETAINING WALL)	95,900	LB
CONCRETE BARRIER (TYPE 25A)	387	LF

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



PLAN
1"=30'

INDEX TO PLANS

SHEET NO.	TITLE
1	GENERAL PLAN
2	FOUNDATION PLAN
3	LAYOUT NO. 1
4	LAYOUT NO. 2
5	DRAINAGE DETAILS
6	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'
B3-2	RETAINING WALL - TYPE 1 H = 32' - 36'
B3-8	RETAINING WALL DETAILS NO. 1
B11-53	CONCRETE BARRIER TYPE 25

Standard Plan Sheet No.
Detail No.

Designed by George Lopez C 12078 REGISTERED CIVIL ENGINEER NUMBER
Approved Recommended By Doug R. Mencart 8197 REGISTERED CIVIL ENGINEER NUMBER

	By	Date	Checked	Date
DESIGN	L. Alviso	4/86	K. Swan	4/86
DETAILS	L. Alviso	4/86	N. Swan	4/86
QUANTITIES	L. Alviso	4/86	M. GULLI	4/86

LIVE LOADING: HS20-44 AND ALTERNATIVE

	By	Checked
LAYOUT	T. Farnan 3-86	R. Oliver 4-86
SPECIFICATIONS	Scott Massey	Plans and Spec. Compared J. Stuntzman

State of CALIFORNIA
DEPARTMENT OF TRANSPORTATION

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

BRIDGE NO. 37-RW03
POST MILE 3.4

GUADALUPE CORRIDOR
RETAINING WALL NO.3
GENERAL PLAN

ORIGINAL SCALE IN INCHES 0 1 2 3

CU 04

Discard prints bearing earlier revision dates

REVISION DATES (PRELIMINARY STAGE ONLY)

SHEET OF

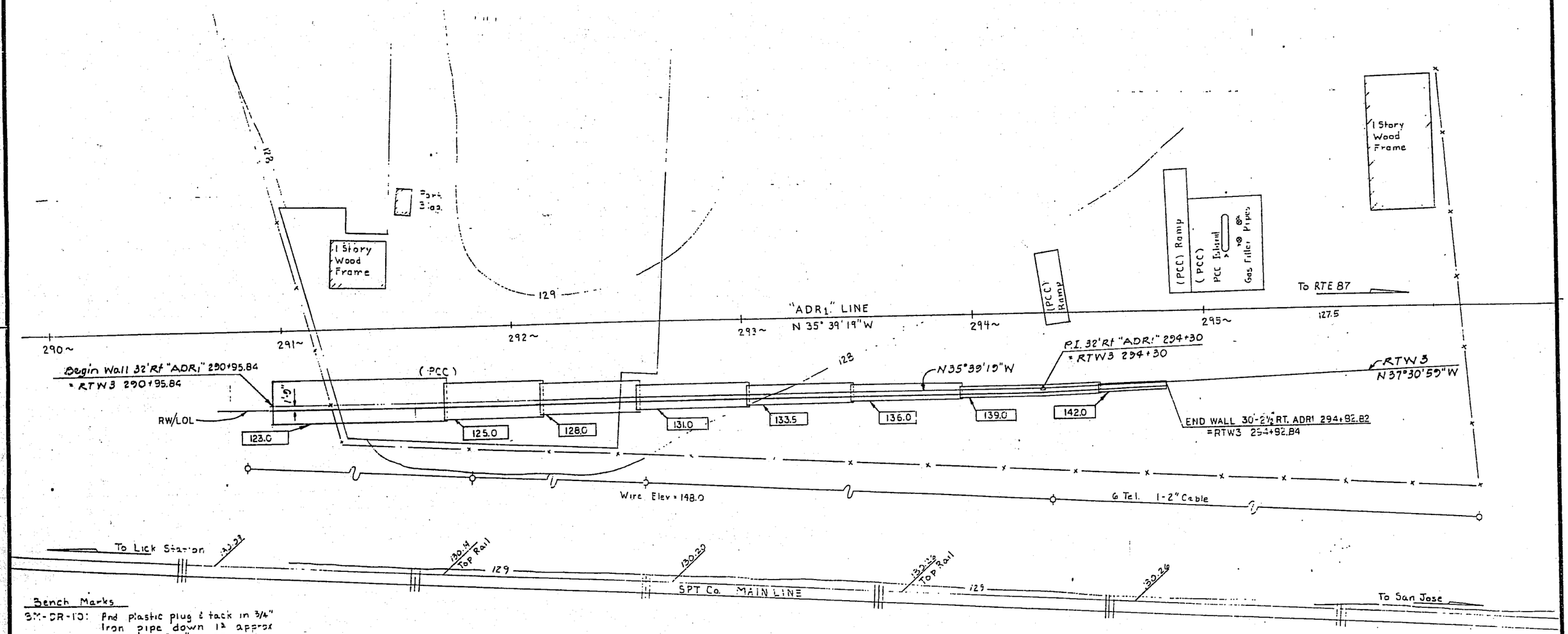
DIST.	COUNTY	ROUTE	POST MILES—TOTAL PROJECT	SHEET NO.	TOTAL SHEETS
04	SCl	87	3.3/4.9	297	428

DESIGN ENGINEER: G. S. Inenaga REGISTERED CIVIL ENGINEER NUMBER: C12078

DATE APPROVED: 6-6-88

REGISTERED PROFESSIONAL ENGINEER G. S. INENAGA No. 12078 Exp. 3-31-89 CIVIL STATE OF CALIFORNIA

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



Bench Marks

BM-DR-10: Fnd plastic plug & tack in 3/4" iron pipe down 1' approx 130 Ft Rt "AD" 61+35 Elev 126.30

BM-DR-11 Fnd plastic plug & tack in 3/4" iron pipe down 08 approx 105 Ft Lt AD" 62+20 Elev. 127.51

Note:
☐ Indicates bottom of ftg elev.
For pile layout, see Ret Wall Layout sheets.

PR-37RW03-1

PRELIMINARY INVESTIGATION SECTION												
SCALE 1"=20'	DATUM NGVD.	PHOTOGRAMMETRY AS OF:		DRAWN By JPG	3-85	DESIGN By L. Alviso	4/86	Checked N. Swan	4/86	State of CALIFORNIA DEPARTMENT OF TRANSPORTATION	STRUCTURES - DESIGN 10	BRIDGE NO. 37-RW03
		SURVEYED By DISTRICT	5-84	TRACED By BEA	3-85	DETAILS By L. Alviso	4/86	Checked N. Swan	4/86		Thomas Farmer 3/29/89 PROJECT ENGINEER REGISTERED CIVIL ENGINEER NO.	POST MILE 3.4
ALIGNMENT TIES PR-37419-2		FIELD CHKD By JPG	1-85	CHECKED By JPG	3-85	QUANTITIES By L. Alviso	4/86	Checked M. GULLI	4/86			

RETAINING WALL NO. 3
FOUNDATION PLAN

CU 04
WO 487241

ORIGINAL SCALE IN INCHES FOR REDUCED PLANS 0 1 2 3

Disregard prints bearing earlier revision dates

REVISION DATES (PRELIMINARY STAGE ONLY)

SHEET 2 OF 6

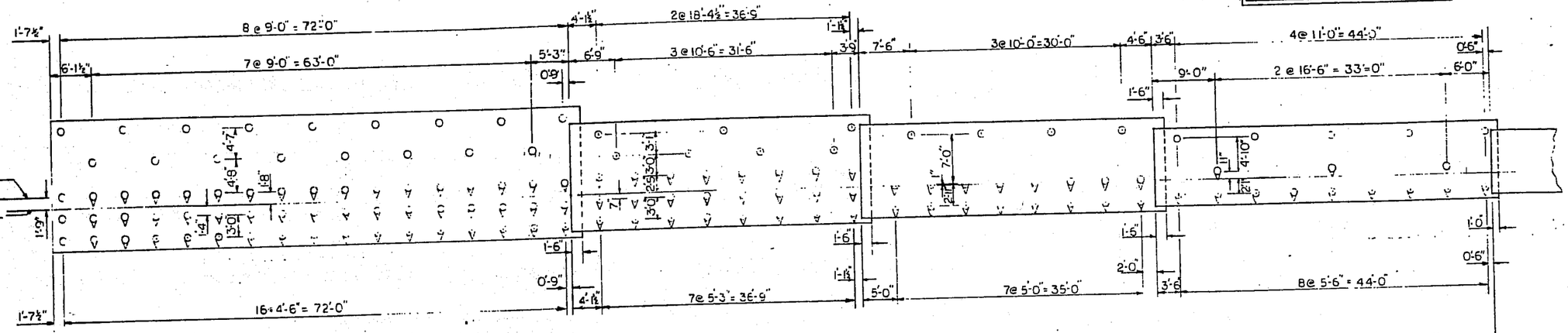
DIST.	COUNTY	ROUTE	POST MILES—TOTAL PROJECT	SHEET NO.	TOTAL SHEETS
04	SCI	87	3.3/4.9	298	428

DESIGN ENGINEER — REGISTERED CIVIL ENGINEER NUMBER C12078

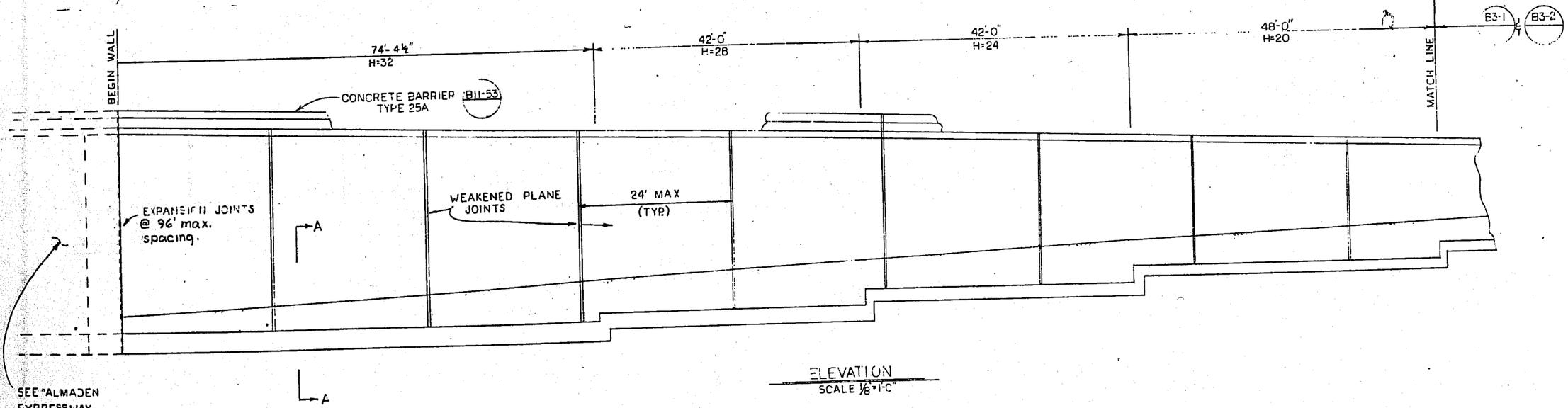
DATE APPROVED 6-6-88

REGISTERED PROFESSIONAL ENGINEER — G. S. INENAGA — No. 12078 — Exp. 3-31-89 — CIVIL — STATE OF CALIFORNIA

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



PLAN
SCALE 1/8" = 1'-0"



ELEVATION
SCALE 1/8" = 1'-0"

⊕ – INDICATES VERTICAL PILES
⊕ – INDICATES BATTERED PILES (1:3)

FOR SECTION A-A SEE "DRAINAGE DETAILS"

	By		Checked	
DESIGN	L. Alviso	4/86	K. Suan	4/86
DETAILS	L. Alviso	4/86	K. Suan	4/86
QUANTITIES	L. Alviso	4/86	M. GULLI	4/86

State of CALIFORNIA DEPARTMENT OF TRANSPORTATION

STRUCTURES - DESIGN 10

PROJECT ENGINEER Thomas Fagan — REGISTERED CIVIL ENGINEER NO. 3LAA

BRIDGE NO. 37-RW03

POST MILE 3.4

RETAINING WALL NO 3

LAYOUT NO. 1

CU 04
WO 4872.41

ORIGINAL SCALE IN INCHES FOR REDUCED PLANS 0 1 2 3

Disregard prints bearing earlier revision dates

REVISION DATES (PRELIMINARY STAGE ONLY)

SHEET 3 OF 6

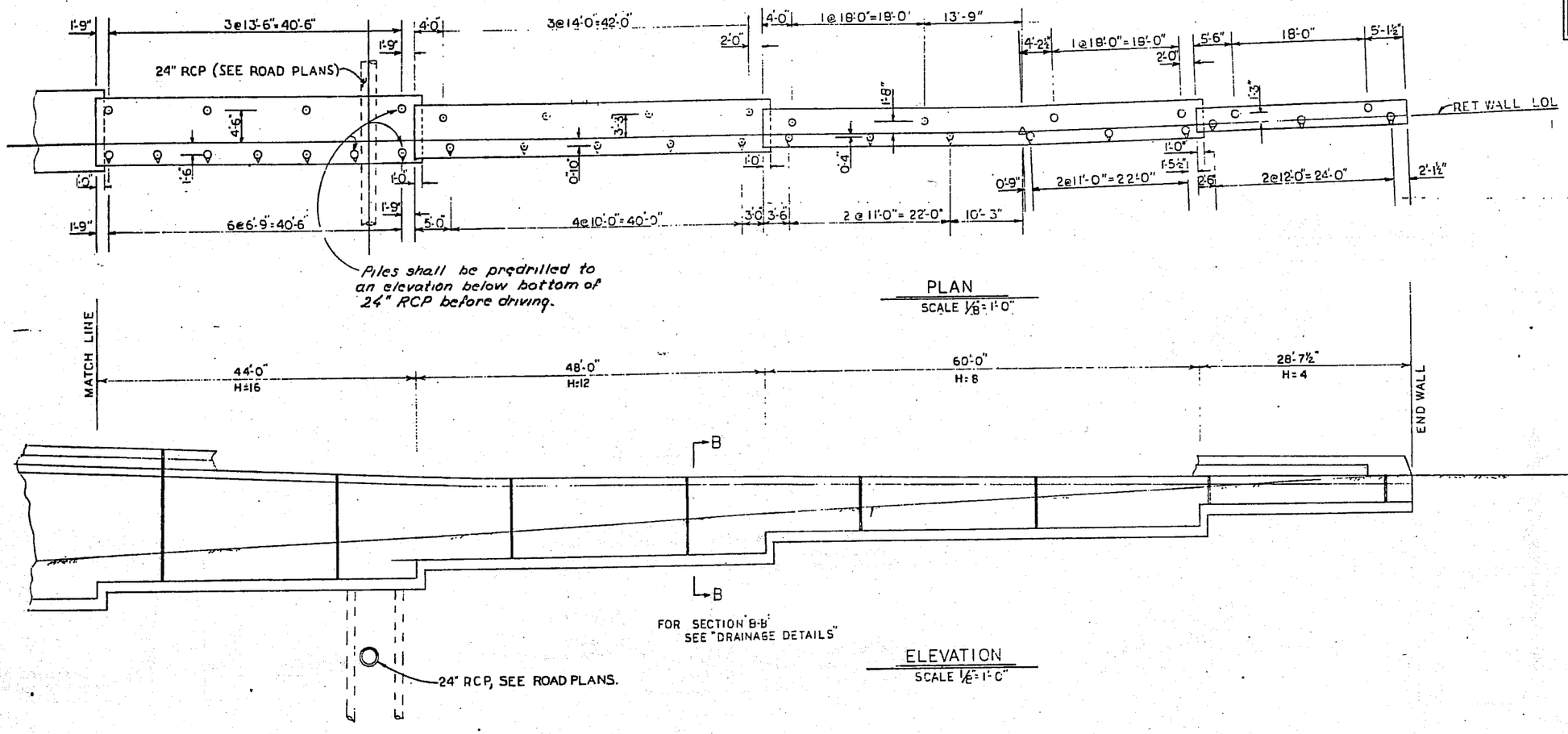
DIST.	COUNTY	ROUTE	POST MILES—TOTAL PROJECT	SHEET No.	TOTAL SHEETS
04	SCl	87	3.3/4.9	299	428

DESIGN ENGINEER — REGISTERED CIVIL ENGINEER NUMBER 61707P

DATE APPROVED 6-6-88

REGISTERED PROFESSIONAL ENGINEER G. S. INENAGA No. 12078 Exp. 3-31-89 CIVIL STATE OF CALIFORNIA

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



PLAN
SCALE 1/8"=1'-0"

ELEVATION
SCALE 1/8"=1'-0"

	By		Checked	
DESIGN	L. Alvisa	4/86	K. Sueo	4/86
DETAILS	L. Alvisa	4/86	K. Sueo	4/86
QUANTITIES	L. Alvisa	4/86	M. GULLI	4/86

State of CALIFORNIA DEPARTMENT OF TRANSPORTATION

STRUCTURES - DESIGN 10
Thomas Farrar 3649
PROJECT ENGINEER — REGISTERED CIVIL ENGINEER NO.

BRIDGE NO. 37-RW03
POST MILE 3.4

RETAINING WALL NO.3
LAYOUT NO.2

ORIGINAL SCALE IN INCHES FOR REDUCED PLANS 0 1 2 3

CU 04
WO 4872.41

Disregard prints bearing earlier revision dates

REVISION DATES (PRELIMINARY STAGE ONLY) 7/14/86 12/5/88

SHEET 4 OF 6

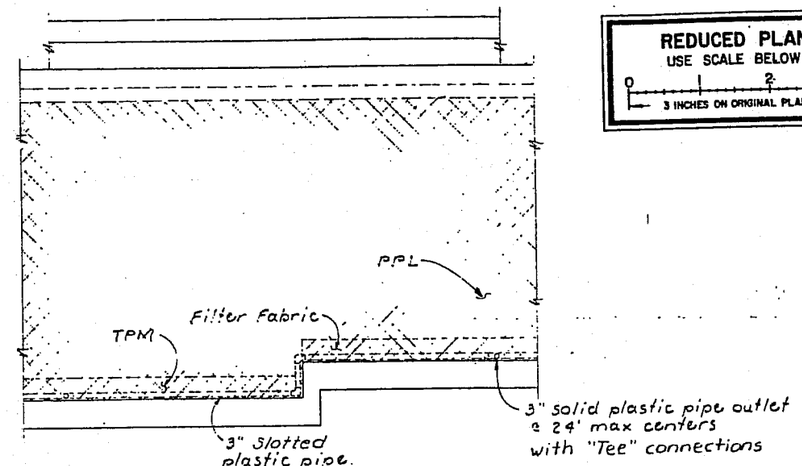
DIST.	COUNTY	ROUTE	POST MILES—TOTAL PROJECT	SHEET No.	TOTAL SHEETS
04	SCl	87	3.3/4.9	300	428

DESIGN ENGINEER — REGISTERED CIVIL ENGINEER NUMBER C 12078

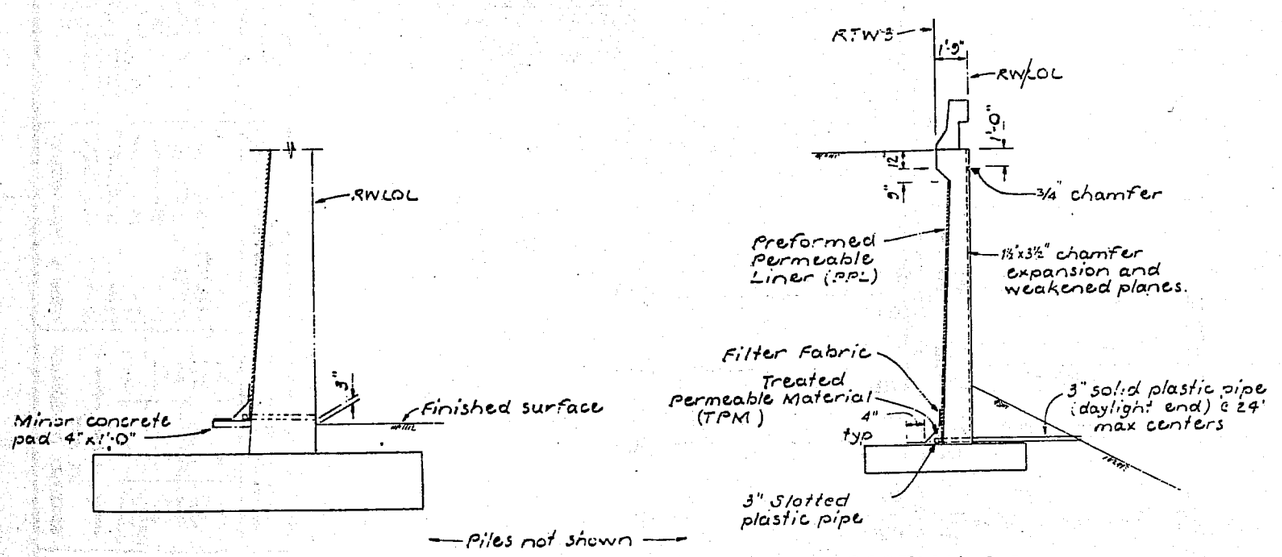
DATE APPROVED 6-6-88

REGISTERED PROFESSIONAL ENGINEER G. S. INENAGA No. 12078 Exp. 3-31-89 CIVIL STATE OF CALIFORNIA

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



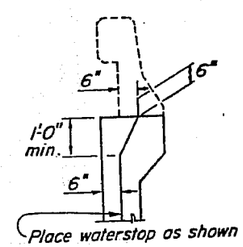
PART ELEVATION
1/4" = 1'-0"



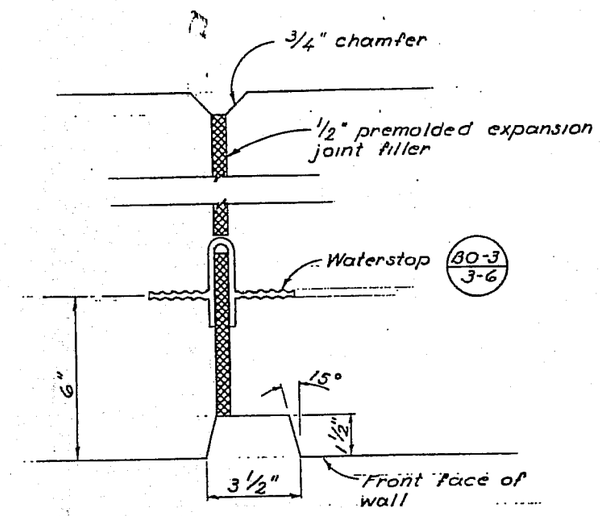
SECTION A-A
1/4" = 1'-0"

Note: For details not shown, see Section B-B.

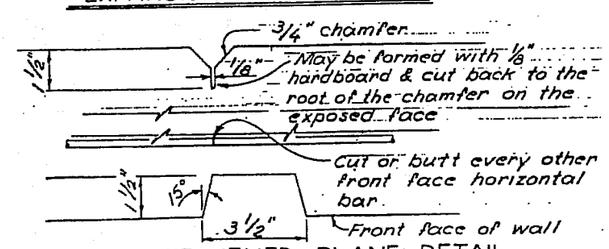
SECTION B-B
1/4" = 1'-0"



WATERSTOP AT TOP OF WALL



EXPANSION JOINT DETAIL



WEAKENED PLANE DETAIL

DRAINAGE DETAILS

Drainage Notes:
1. Cap end of 3" Slotted pipe at end of 4' Ret Wall.
2. Connect 3" Slotted pipe into 3" Slotted pipe behind Almaden Expressway O.H. Ret Walls.

DESIGN	By Thomas Farmer	Checked N. Shah	4/86
DETAILS	By R Kwong	Checked N. Shah	4/86
QUANTITIES	By L. Alviso 4/86	Checked M. Gulli	4/86

State of CALIFORNIA DEPARTMENT OF TRANSPORTATION

STRUCTURES - DESIGN 10
PROJECT ENGINEER Thomas Farmer REGISTERED CIVIL ENGINEER NO.

BRIDGE NO. 37-RW03
POST MILE 3.4

RETAINING WALL NO. 3
DRAINAGE DETAILS

ORIGINAL SCALE IN INCHES FOR REDUCED PLANS 0 1 2 3

CU 04
WO 487241

Disregard prints bearing earlier revision dates

REVISION DATES (PRELIMINARY STAGE ONLY) 7/14/87 10/19/87 3/14/88 7/14/88 3/22/88

SHEET 5 OF 6