

STATE OF CALIFORNIA  
DEPARTMENT OF TRANSPORTATION

**PROJECT PLANS FOR CONSTRUCTION ON  
STATE HIGHWAY  
IN CONTRA COSTA COUNTY  
IN ANTIOCH  
FROM 0.3 MILE WEST TO 0.1 MILE EAST OF  
SOMERSVILLE ROAD UNDERCROSSING**

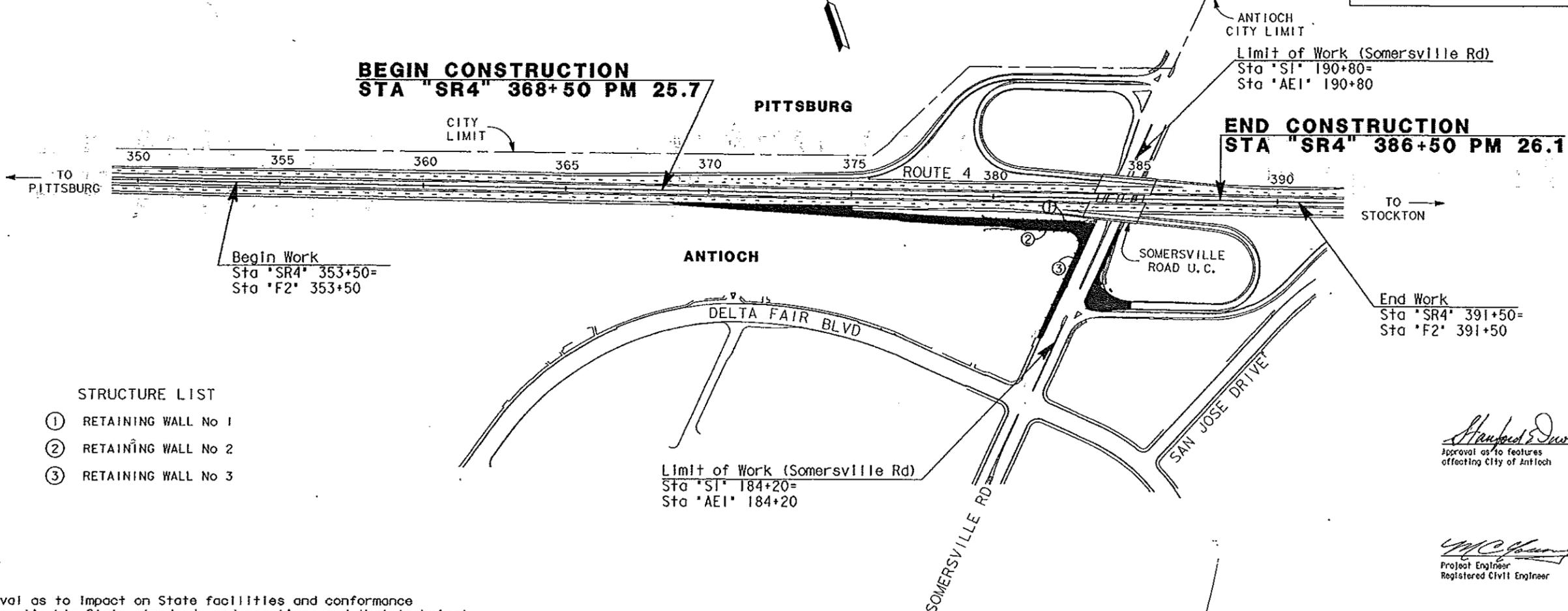
To be supplemented by:  
Caltrans' Standard Plans dated July, 1992  
City of Antioch, Public Works, 399-A dated July, 1992

DIST	COUNTY	ROUTE	POST MILE TOTAL PROJECT	SHEET NO.	TOTAL SHEETS
04	CC	04	25.7 / 26.1	1	64



INDEX OF SHEETS

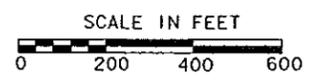
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- STRUCTURE LIST
- ① RETAINING WALL No 1
  - ② RETAINING WALL No 2
  - ③ RETAINING WALL No 3

Approval as to impact on State facilities and conformance with applicable State standards and practices and that technical oversight was performed as described in the California Department of Transportation A & E Consultant Services Manual.

The Contractor shall possess the Class (or Classes) of license as specified in the "Notice to Contractors".



FOR REDUCED PLANS ORIGINAL SCALE IS IN INCHES 0 1 2 3

*Stanford D. Dowd*  
Approval as to features affecting City of Antioch

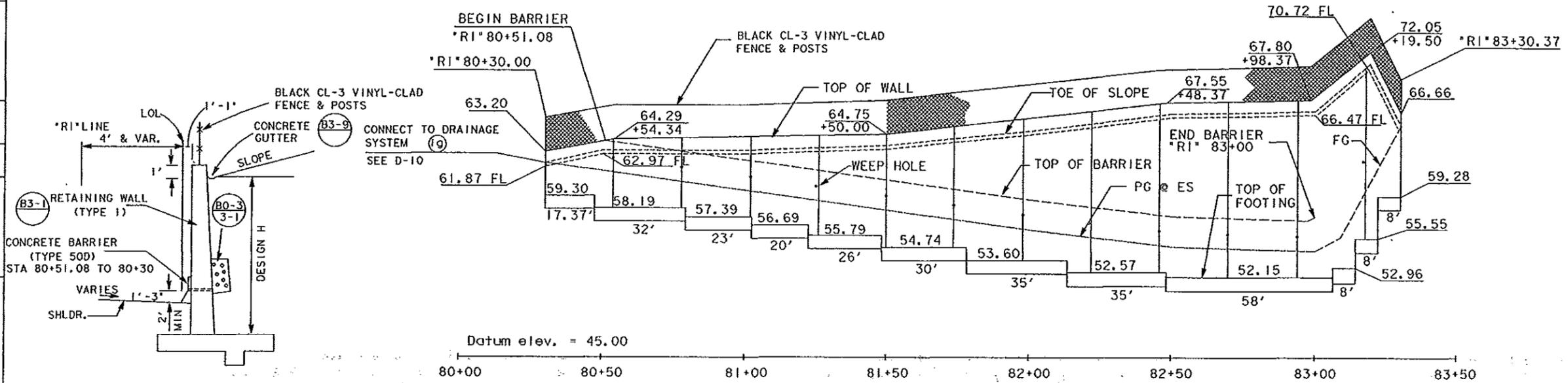
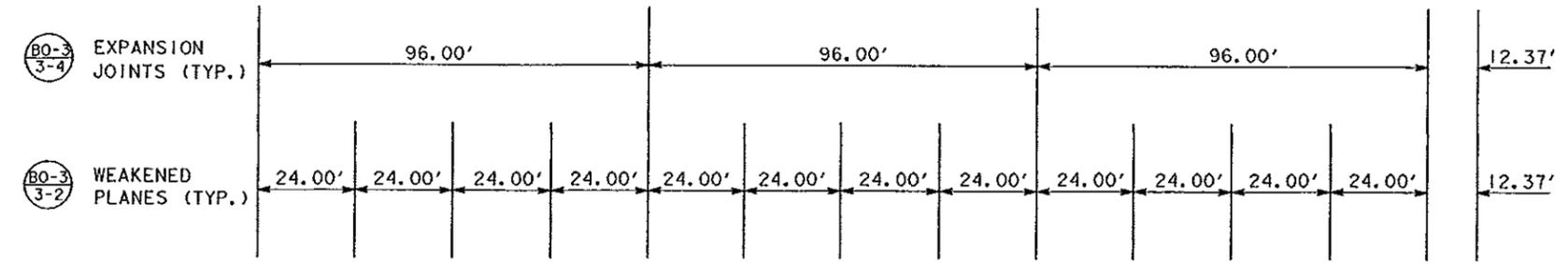
*M. C. Young*  
Project Engineer  
Registered Civil Engineer

Owner	City of Antioch Third and H Steets Antioch, CA 94509 (510) 779-7050
Civil Engineer	KAWES and Associates, Inc. 400 Second Street, Suite 400 San Francisco, CA 94107
CONTRACT NO.	<b>04-161804</b>

PROJECT ENGINEER: M. Young  
DESIGN OVERSIGHT APPROVAL: Leslie B. Wong  
REGISTRATION NO.: 33705  
DATE: 8/92

DIST	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET NO.	TOTAL SHEETS
04	CC	4	25.7 / 26.1	46	64


  
 REGISTERED CIVIL ENGINEER  
 PLANS APPROVAL DATE \_\_\_\_\_  
 City of Antioch  
 Third and H streets  
 Antioch, CA. 94509  
 KONES and Associates, Inc.  
 400 Second Street, Suite 400  
 San Francisco, CA 94107



**TYPICAL SECTION**  
RETAINING WALL NO. 1  
LOL 80+30.00 TO 83+30.37  
NO SCALE

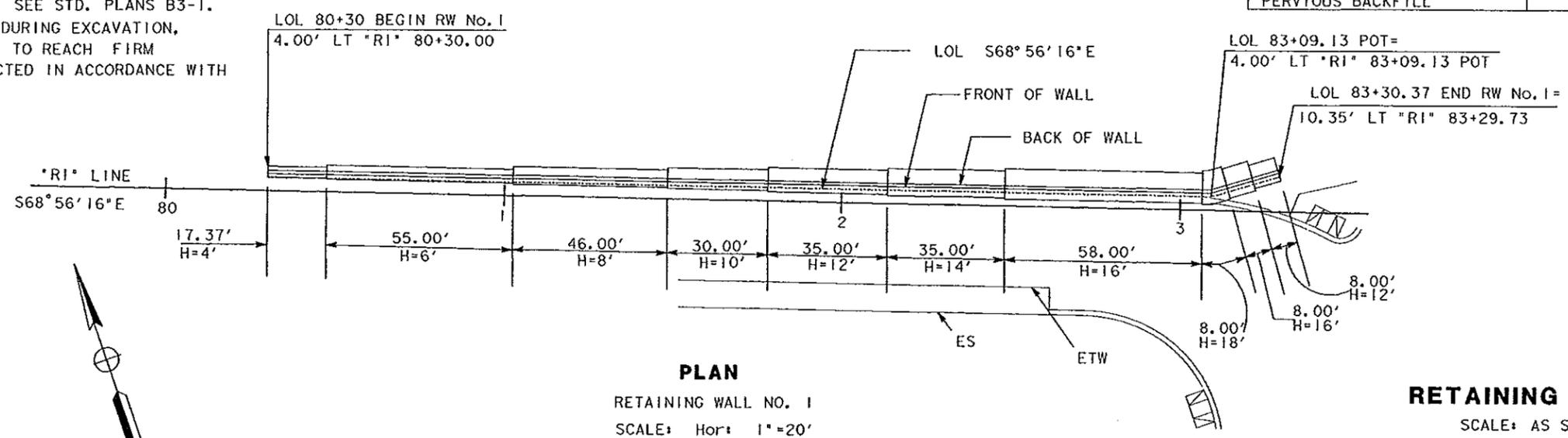
**ELEVATION**  
RETAINING WALL NO. 1

SCALE: Hor: 1"=20'  
Ver: 1"=5'

**RETAINING WALL QUANTITIES**

DESCRIPTION	LB	LF	CY
STRUCTURAL CONCRETE			260
BAR REINFORCEMENT STEEL	17,500		
STRUCTURE EXCAVATION			750
STRUCTURE BACKFILL			490
CONCRETE BARRIER		249	
CHAIN LINK FENCE		301	
WATER STOP		40	
4" PLASTIC PIPE		12	
PERVIOUS BACKFILL			88

**NOTE**  
FOR ADDITIONAL CONSTRUCTION DETAILS, SEE STD. PLANS B3-1.  
IF SOFT OR LOOSE ZONES ARE DETECTED DURING EXCAVATION,  
THESE AREAS SHOULD BE OVEREXCAVATED TO REACH FIRM  
SOILS AND REPLACED BY FILL, RECOMPACTED IN ACCORDANCE WITH  
CALTRANS STANDARD SPECIFICATIONS



**PLAN**  
RETAINING WALL NO. 1

SCALE: Hor: 1"=20'

**RETAINING WALL PLAN**

SCALE: AS SHOWN

THIS PLAN ACCURATE  
FOR RETAINING WALL ONLY

**R- 1**

STATE OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION  
 LESLIE B. WONG  
 DESIGN OVERSIGHT  
 CHECKED BY MKY 12/94 DATE REVISED  
 DESIGNED BY HNB 12/94  
 CALCULATED BY  
 REVISIONS:

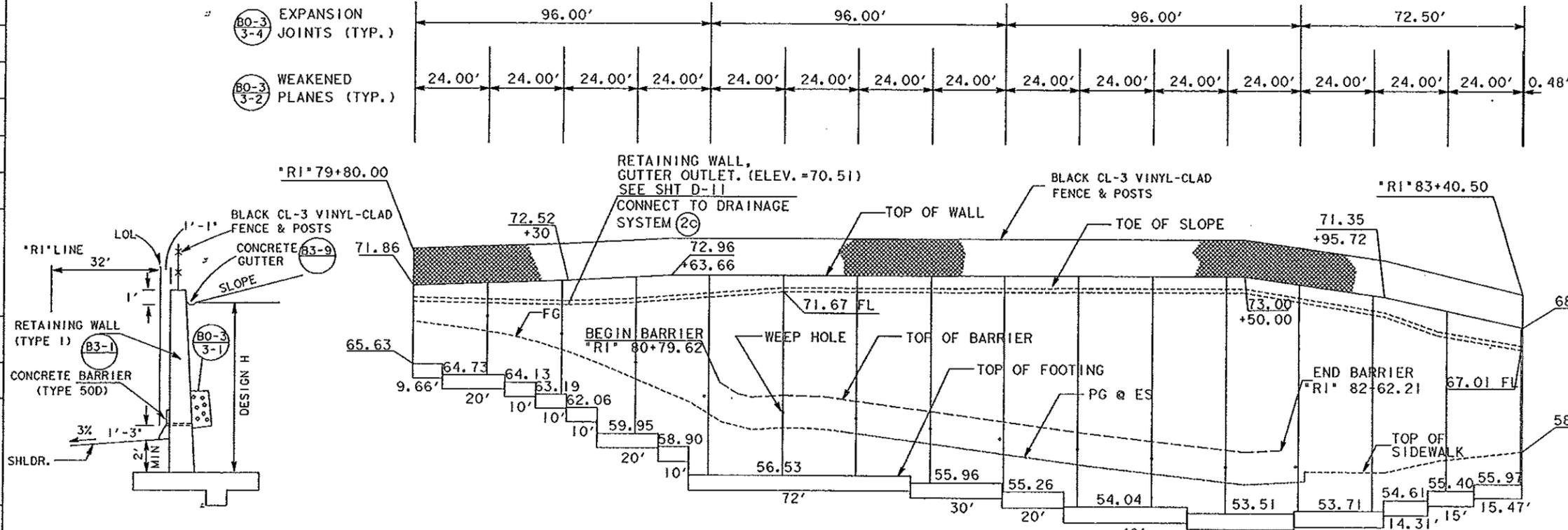
DIST	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET NO.	TOTAL SHEETS
04	CC	4	25.7/26.1	47	64

REGISTERED CIVIL ENGINEER  
 M. C. Young  
 No. 18909  
 Exp. 06-30-91  
 CIVIL  
 STATE OF CALIFORNIA

PLANS APPROVAL DATE \_\_\_\_\_

City of Antioch  
 Third and H streets  
 Antioch, CA. 94509

K&NES and Associates, Inc.  
 400 Second Street, Suite 400  
 San Francisco, CA 94107

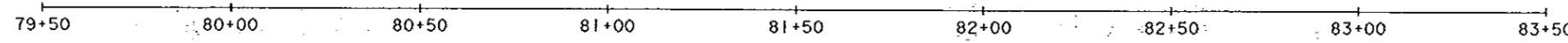


**TYPICAL SECTION**

RETAINING WALL NO. 2  
 LOL 80+79.62 TO 82+62.21 BC

NO SCALE

Datum elev. = 45.00



**TYPICAL SECTION**

RETAINING WALL NO. 2  
 LOL 82+62.21 BC TO 83+42.63 EC

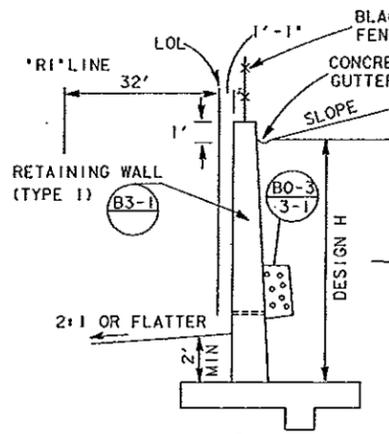
NO SCALE

**RETAINING WALL QUANTITIES**

DESCRIPTION	LB	LF	CY	SOYD
STRUCTURAL CONCRETE			440	
BAR REINFORCEMENT STEEL	38,250			
STRUCTURE EXCAVATION			1460	
STRUCTURE BACKFILL			1020	
CONCRETE BARRIER		183		
CHAIN LINK FENCE		361		
WATER STOP		62		
4" PLASTIC PIPE		44		
PERVIOUS BACKFILL			160	
4" PLASTIC PIPE (SLOTTED)		80		
Filter Fabric				14

**ELEVATION**

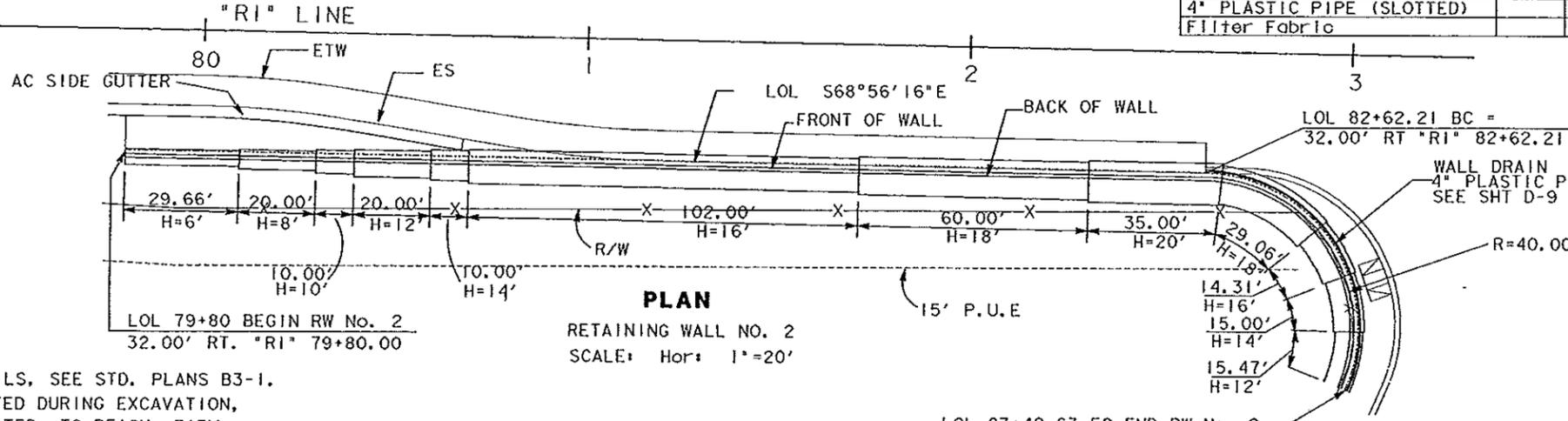
RETAINING WALL NO. 2  
 SCALE: Hor: 1"=20'  
 Vert: 1"=5'



**TYPICAL SECTION**

RETAINING WALL NO. 2  
 LOL 79+80.00 TO 80+79.62

NO SCALE



**PLAN**

RETAINING WALL NO. 2  
 SCALE: Hor: 1"=20'

**NOTES**

FOR ADDITIONAL CONSTRUCTION DETAILS, SEE STD. PLANS B3-1.  
 IF SOFT OR LOOSE ZONES ARE DETECTED DURING EXCAVATION, THESE AREAS SHOULD BE OVER-EXCAVATED TO REACH FIRM SOILS AND REPLACED BY FILL, RECOMPACTED IN ACCORDANCE WITH CALTRANS STANDARD SPECIFICATIONS

**RETAINING WALL PLAN**

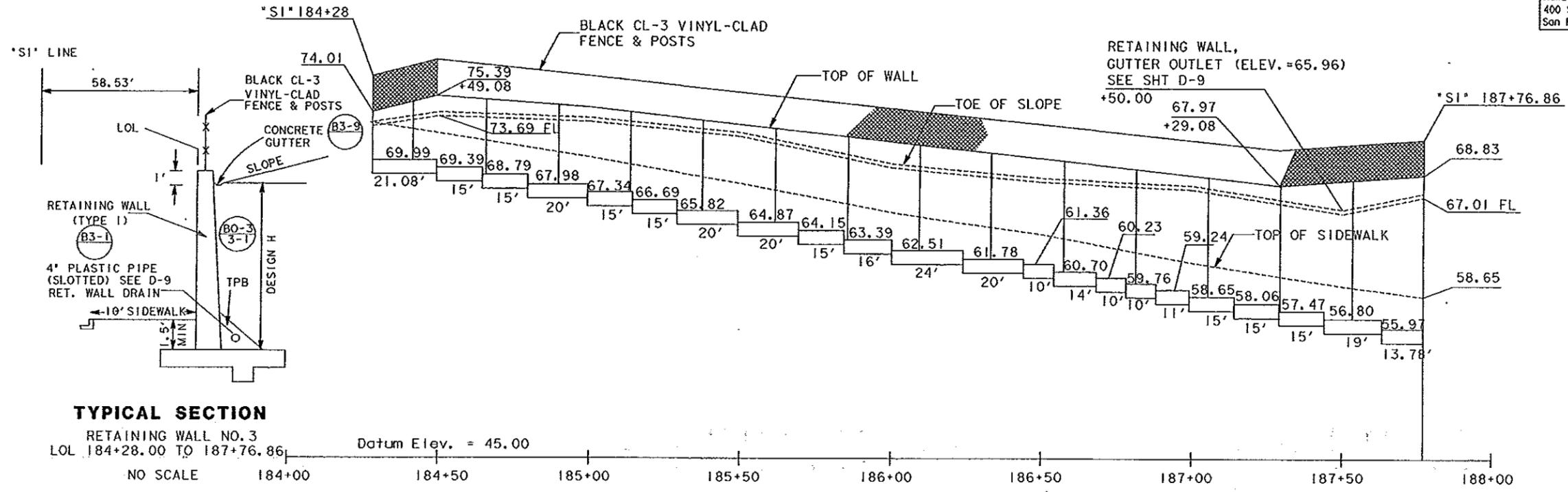
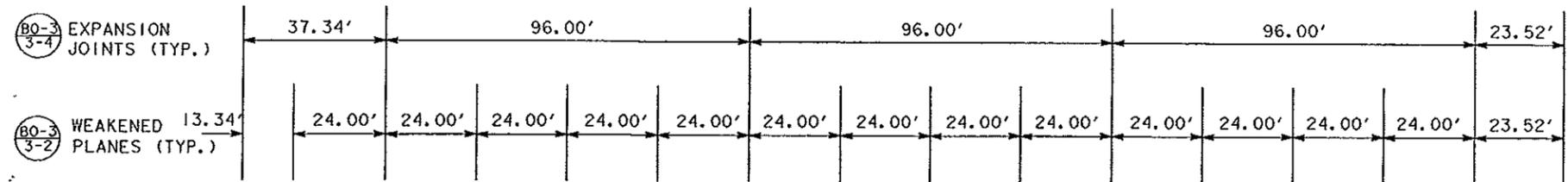
SCALE: AS SHOWN

THIS PLAN ACCURATE FOR RETAINING WALL ONLY

R-2

DIST	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET NO.	TOTAL SHEETS
04	CC	4	25.7 / 26.1	48	64


  
 REGISTERED CIVIL ENGINEER  
 PLANS APPROVAL DATE \_\_\_\_\_  
 City of Antioch  
 Third and H streets  
 Antioch, CA. 94509  
 K&ES and Associates, Inc.  
 400 Second Street, Suite 400  
 San Francisco, CA 94107



**TYPICAL SECTION**

RETAINING WALL NO. 3  
 LOL 184+28.00 TO 187+76.86  
 Datum Elev. = 45.00

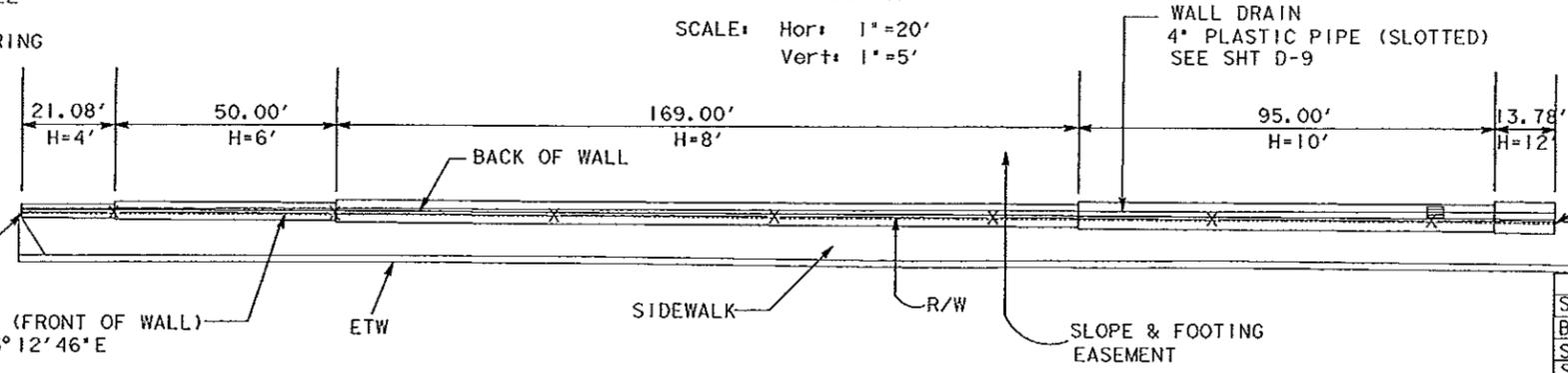


**NOTES**

FOR ADDITIONAL CONSTRUCTION DETAILS, SEE STD. PLANS B3-1.  
 IF SOFT OR LOOSE ZONES ARE DETECTED DURING EXCAVATION, THESE AREAS SHOULD BE OVER-EXCAVATED TO REACH FIRM SOILS AND REPLACED BY FILL, RECOMPACTED IN ACCORDANCE WITH CALTRANS STANDARD SPECIFICATIONS.

**ELEVATION**

RETAINING WALL NO. 3  
 SCALE: Hor: 1"=20'  
 Vert: 1"=5'



**PLAN**

RETAINING WALL NO. 3  
 SCALE: Hor: 1"=20'

**RETAINING WALL QUANTITIES**

DESCRIPTION	LB	LF	CY	SOYD
STRUCTURAL CONCRETE			220	
BAR REINFORCEMENT STEEL	10,450			
STRUCTURE EXCAVATION			520	
STRUCTURE BACKFILL			300	
CONCRETE BARRIER				
CHAIN LINK FENCE		349		
WATER STOP		32		
4" PLASTIC PIPE		44		
PERVIOUS BACKFILL			67	
4" PLASTIC PIPE (SLOTTED)		349		
Filter Fabric				58

**RETAINING WALL PLAN**

SCALE: AS SHOWN

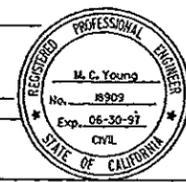
THIS PLAN ACCURATE FOR RETAINING WALL ONLY

**R- 3**

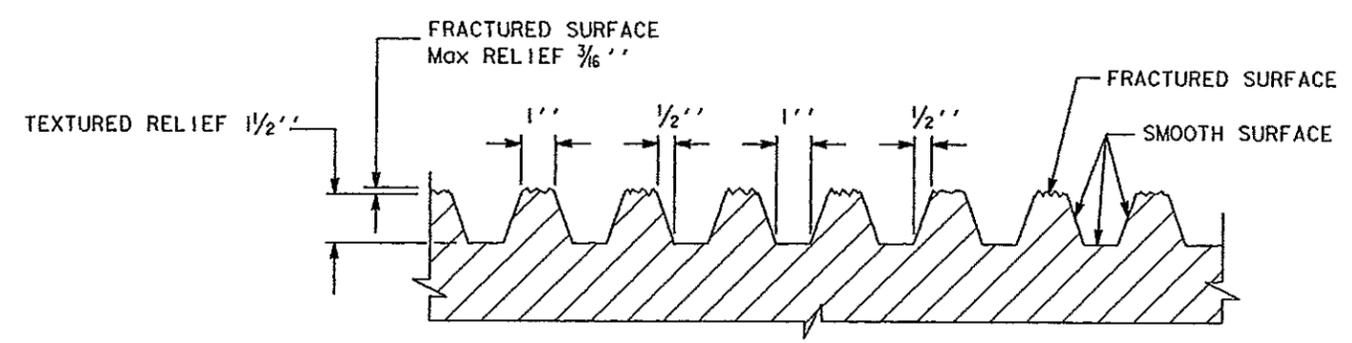
STATE OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION  
 LESLIE B. WONG  
 DESIGN OVERSIGHT  
 CALCULATED/DESIGNED BY HNB 12/94  
 CHECKED BY MKY 12/94  
 REVISIONS: DATE, REVISION BY, DATE, REVISION BY



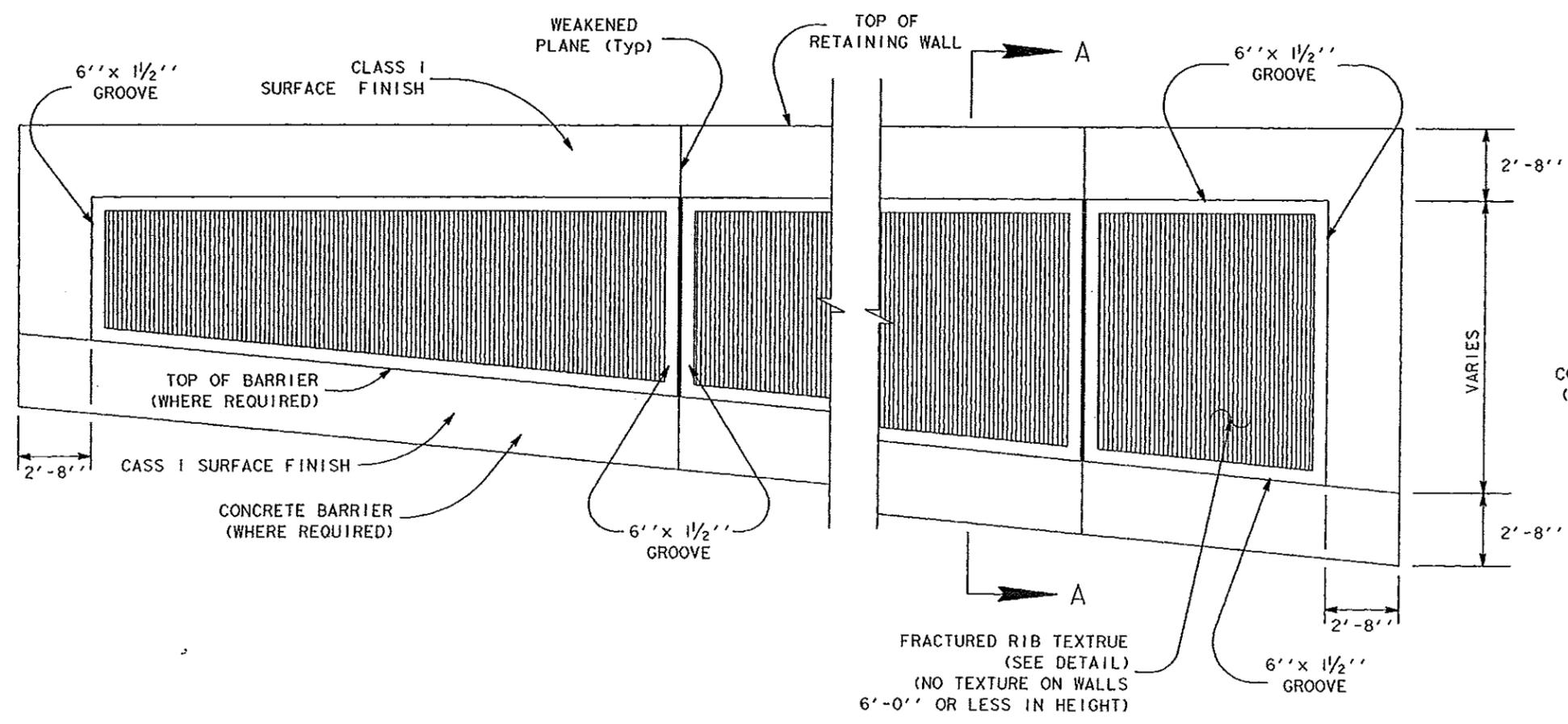
DIST	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET NO.	TOTAL SHEETS
04	CC	4	25.7 / 26.1	49	64


  
 REGISTERED CIVIL ENGINEER  
 M. C. Young  
 No. 18909  
 Exp. 06-30-97  
 CIVIL  
 STATE OF CALIFORNIA

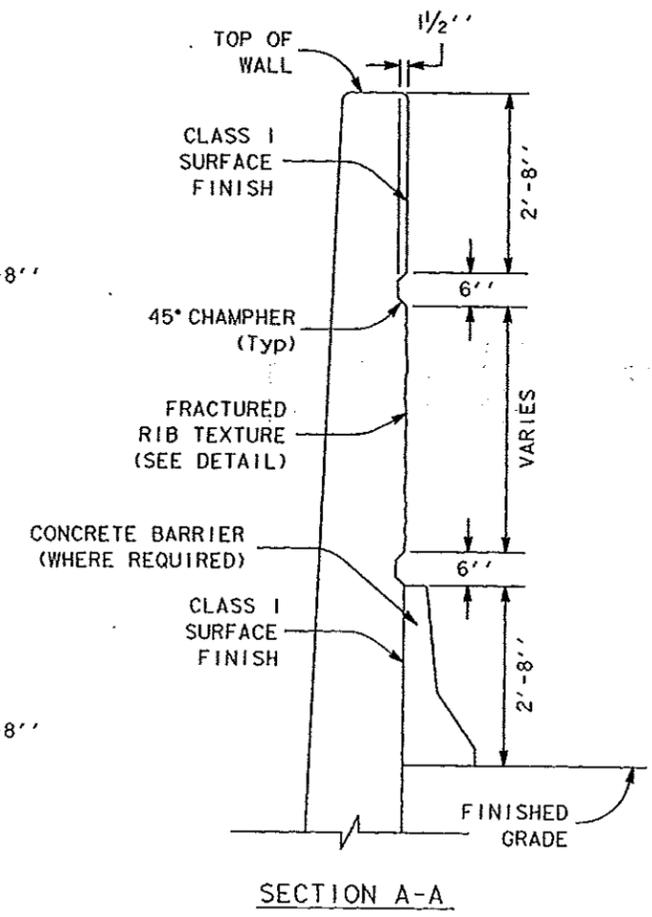
PLANS APPROVAL DATE \_\_\_\_\_  
 City of Antioch  
 Third and H streets  
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 KONES and Associates, Inc.  
 400 Second Street, Suite 400  
 San Francisco, CA 94107



**FRACTURED RIB TEXTURE DETAIL**



**ARCHITECTURAL TREATMENT DETAILS FOR RW 1, 2 & 3**



**SECTION A-A**

**RETAINING WALL AESTHETICS**

THIS PLAN ACCURATE FOR  
RETAINING WALL AESTHETICS ONLY

SCALE: NO SCALE

STATE OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION  
 DESIGN OVERSIGHT  
 LESLIE B. WONG  
 DATE 12/94  
 HNB 12/94  
 MKY 12/94  
 REVISOR BY  
 DATE REVISOR  
 FILE: SM-R04.DGN DATE: 10-8-94  
 FORM DC-0E-92-PF (REV. 3/88)

