

BUS STORAGE FACILITY (Contract 17-05-BSF-000)

Questions are numbered in the order received.

Question No.	Submission Date	Drawing No.	Document/ Spec. No.	Question	Response
1	1.23.17	1/E-5003	26 05 43, 1.02	What type of conduit shall be used for the underground duct bank system? On drawing E-5003, Detail 1 a note says all cable shall be installed in galvanized rigid steel conduit with bushings (This detail is for direct burial conduit in dirt. In specification Section 26 05 43 Underground Ducts and Raceways, paragraph 1.02 Definition A calls for RNC: Rigid Nonmetal Conduit = Type EPC-40-PVC. Please advise what type of conduit you want.	EPC-40-PVC is acceptable per Specification Section 26 05 43 paragraph 2.01. Provide Rigid Steel per Specification Section 26 05 43 paragraph 3.05.1.12, regarding elbows and stub-ups.
2	1.23.17	---	13 34 23.26, 2.01	Can Ameristar be added to the list of acceptable manufacturers?	Ameristar is approved as a vendor for the Guard Booth.
3	1.24.17	---	00 07 00, 10.02	The sum listed for performance and payment bonds is \$600,000,000 each. Is this amount correct?	Specification Section 00 07 00, paragraph 10.02.A will be revised to indicate that the Contractor shall purchase and maintain performance and payment bonds valued at "...a sum not less than 100 percent of the Contract Sum..."
4	1.26.17	---	00 02 00/AT2	The Bidder's Checklist, Spec Section 00 02 00/AT2 mentions that a Certificate of Bidder Regarding Nondiscrimination in Contracts and Benefits should be available in Spec Section 00 04 70. I am unable to locate this section of form.	Specification Section 00 04 70 is attached and will be included in an upcoming addendum.
5	1.27.17	---	32 32 23	The plans call out a Caltrans approved segmental retaining wall. Is there a particular style and color from Keystone or Versa-Loc, for example that you would like to see on this project?	Contractor is to utilize Calstone CMU color S3147WC for the base color and S359 for the accent color, or an equivalent block and colors. See the attached Excel file for the access color pattern.
6	1.30.17	---	01 15 90	Where will the field trailers be located?	Field trailers are to be located within the project site boundary lines at a location determined by the Contractor.
7	1.30.17	---	00 04 70	This section (00 04 70) is listed in the Table of Contents and on the Bidder's Checklist but is missing from the specifications. Please advise.	See response to question 4 above.
8	1.30.17	---	00 04 50	Please confirm this section (00 04 50) is not due at the time of bid submission from pre-qualified bidders.	Confirmed.

Question No.	Submission Date	Drawing No.	Document/ Spec. No.	Question	Response
9	1.30.17	---	00 04 10	Bid Form page 00 04 10-3 lists damage rate per day at \$2,500. Bid Form page 00 04 10-5 lists \$3,000 per day. Please advise what the liquidated damages are for the project.	The \$2,500 indicated in Part B of the Bid Form is for bid evaluation of the A+B proposal only and is not intended to match the liquidated damages of \$3,000/day.
10	1.31.17	---	00 0821/ AT3-B	Per instructions listed on this form, bidders are to submit a copy of the proof of the SBE/DBE firm listed as well as a signed 'letter of intent'. Please consider changing this requirement so that these forms can be submitted with the post-bid documents (escrow or sub certifications).	Confirmed. SBE/DBE documents may be provided post-bid.
11	1.31.17	S-2052 & S-3032	---	Sheet S-2052 calls out RW #2 as a segmental retaining wall. Detail F on Sheet S-3032 calls out RW #2 as a Caltrans Type 1A. Which is it?	Retaining Wall #2 is to be a Caltrans RW Type 1A, per the details on Sheet S-3032. A revised Sheet S-2052 with a corrected callout is attached and will be issued in an upcoming addendum.
12	2.1.17	C-2001	---	Can you tell us what color the colored concrete sidewalk is?	Sidewalk color is to comply with San Francisco Public Works standards.
13	2.1.17	C-2002, A-1032	---	There are three maintenance gates shown on the plans at Perry Street. The architectural plans indicate them with note 25, "Not Used". Are we installing gates as shown and if so, what is the style of each of the gates?	See the attached revised Sheet A-1032 for updated gate information.
14	2.1.17	---	---	Regarding the TL4 Crash System, who can I contact for clarification of this scope to submit an accurate bid?	Per Specification Section 00 02 00 paragraph 1.4, Interpretations and Addenda, all questions on the bid documents must be submitted in writing using the QBD form included in Section 00 02 00-AT1.
15	2.1.17	---	C-1001, C-1002	In regards to Sheets C-1001 and C-1002 titled Existing Condition and Demo plan, it is noted by the legend and shown on the plan views of the subject drawings that the contractor is to remove buried foundations as needed. Should the contractor assume all of the referenced buried foundations are below the elevation of flatwork demo and below the elevation required to install the permanent 12" unreinforced concrete paving and required 8" of base as shown on sheets C-2001 and C-2002, as well as any foundations for permanent structures or walls. Or will the elevations be provided to what depth these foundations have been demolished to?	Please refer to the attached demolition drawings from the West Approach Seismic Safety Project. The existing Bents 21-31 foundations were demolished down to 3 ft. below grade, as indicated on sheets 272-314 of 419.

Question No.	Submission Date	Drawing No.	Document/ Spec. No.	Question	Response
				Please note the reference drawings provided have illegible elevations and no information is provided to what elevation the buried foundations have been demolished to.	
16	2.2.17	---	S-1071	<p>The following are questions related to the above referenced job for the TL4 Crash Barrier Scope:</p> <p>1. On sheet S-1071 the post spacing as shown for the TL4 system is 5' typical. This system is approved up to a maximum of 8' post spacing. Is it acceptable to supply a TL4 system with 8' post spacing typical and adjusted recess window in concrete barrier to 5'-6" spacing, i.e., maintain one recess window on each side of post as shown?</p> <p>2. Sheet S-1002 does not show a transition section for the horizontal rails. This transition section is used for the horizontal rail to slope from horizontal down to the top of the concrete barrier at the leading edge of the noise wall. Thus if an errant vehicle impacts the TL4 wall at the leading edge of the wall the sloped rail will prevent any snagging or impact on the first full height post. Please confirm if Transbay wants to include a transition section to the leading edge (direction of traffic) of the TL4 wall and if it should be as an additional area.</p> <p>3. On sheet S-1071 the leading edge of the concrete crash barrier is more than 2" from the leading edge of the horizontal rail (C S-1071). Item 10, Section 1.03 Submittals of Specification 134819 Acrylite Soundstop TL4 wall states the steel may be independently sourced from the manufacturer. Thus please confirm if the rail configuration has to comply with the FHWA approved modification 005 and not as shown in drawing S-1071 so all potential steel suppliers will know of this FHWA requirement.</p>	<p>1. Revising the 2'-6" center to center spacing of the recesses in the outside face of the concrete barriers is not permitted. A uniform post spacing of 7'-6" is acceptable if all other contract requirements are met. The length of the TL4 system, exclusive of any transition sections, is 170 ft as shown on Sheet S-1002. This will require the use of a combination of 7'-6" and 5'-0" post spacing. Twenty spaces at 7'-6" with two spaces at 5'-0" at each end of the TL4 system is acceptable.</p> <p>2. Refer to Specification Section 13 48 19. A transition section shall be included if it is required to meet the contract requirements, as required for Test Level 4, and as determined by the Engineer responsible for the TL4 system. The length of the TL4 system, exclusive of any transition sections, is 170 ft, as shown on Sheet S-1002.</p> <p>3. Refer to Specification Section 13 48 19, in particular, paragraph 1.03.A, Working Drawings, for the requirements. The rail configuration must meet the contract requirements, as required for Test Level 4, and as determined by the Engineer responsible for the TL4 system. Complete details of the TL4 system are a part of the working drawings. They are not provided in the project plans.</p>

Question No.	Submission Date	Drawing No.	Document/ Spec. No.	Question	Response
17	2.3.17	---	04 22 00	What style, color, etc. of masonry block is being used for the soundwall? If we are to match an existing sample including grout colors, please provide photographs that we can send to potential masonry subs so that they can bid on an appropriate product.	See response to question 5 above.
18	2.3.17	U-2002	---	Where is the irrigation backflow preventer located on sheet U-2002?	An upcoming addendum will include a new irrigation backflow preventer, added to Sheet I-2002, between the existing column and the Storage Building.
19	2.3.17	S-2024	---	On sheet S-2024, it seems to indicate that the CMU around the storage building does not have soundproof cladding. The reference Detail C/S-3000 shows that the CMU wall does get soundproof cladding. Is this section wall soundproofed?	The soundwall is to be constructed per the details shown on Sheet S-3000.
20	2.3.17	C-2301	---	Can you identify all of the bridge columns that get protection as shown in Detail 6 on sheet C-2301?	Contractor is to utilize column protection as shown in Detail 6 on Sheet C-2301 for the following columns: three large columns at the entrance to the facility located along Bent Line 8 and all median island columns located along Bent Line 9.

SECTION 00 04 70 – CERTIFICATE OF BIDDER REGARDING NONDISCRIMINATION
IN CONTRACTS AND BENEFITS

Bidder, by signing and submitting the attached Bid Form, hereby acknowledges that Bidder has read and will comply with chapter 12 B “Nondiscrimination in Contracts” of the San Francisco Administrative Code and attests to the following (please check the applicable box):

- ☐ The San Francisco Human Rights Commission (HRC) has certified that Bidder is in compliance with chapter 12B of the San Francisco Administrative Code, and all applicable related requirements as specified in the Contract Documents, and the certification is in effect on the date of Bid opening. A copy of the Bidder’s certification is attached.
- ☐ Bidder has submitted Form HRC-12B-101, Form HRC-12B-102, or Form HRC-12B-103 and all required documentation to the HRC seeking certification of compliance with chapter 12B, and determination of compliance is pending review by the HRC. Bidder agrees to resolve all noncompliance through conciliation with HRC as a condition precedent to award of the Contract. If the HRC determines that Bidder is noncompliant, Bidder’s Bid shall be deemed nonresponsive. A copy of the Bidder’s application form is attached.
- ☐ Bidder acknowledges that full compliance with chapter 12B of the San Francisco Administrative Code is a condition precedent for award of the Contract, and if determined to be the low Bidder, Bidder will submit Form HRC-12B-101, Form HRC-12B-102, or Form HRC-12B-103 and all required documentation to the HRC within 10 working days after the date of Bid opening. If the HRC determines that Bidder is non-compliant, Bidder’s Bid shall be deemed non-responsive.

Bidder’s Name

Signature of Bidder/Authorized Representative

Name and Title of Signer

Date

Bidder’s Street Address

Bidder’s City, State, ZIP

Bidder’s Telephone No.

Note: The text of chapter 12B of the San Francisco Administrative Code is available online at <http://sfgov.org/cmd/sites/default/files/Documents/chap12b.pdf>.

HRC forms and Quick Reference Guide are available on the TIPA website: <http://transbaycenter.org/uploads/2009/10/HRC-12B-Fact-Sheet.pdf>. For questions regarding 12B compliance, contact the HRC, 25 Van Ness Avenue, Suite 800, San Francisco 94102-6033, telephone (415) 252-2500, <http://sf-hrc.org/>. Bidders seeking certification are advised to submit HRC forms and accompanying documentation to the HRC at the earliest possible opportunity.

END OF SECTION 00 04 70

SPECIFICATION LOG

Revision	Date
A	October 31, 2016

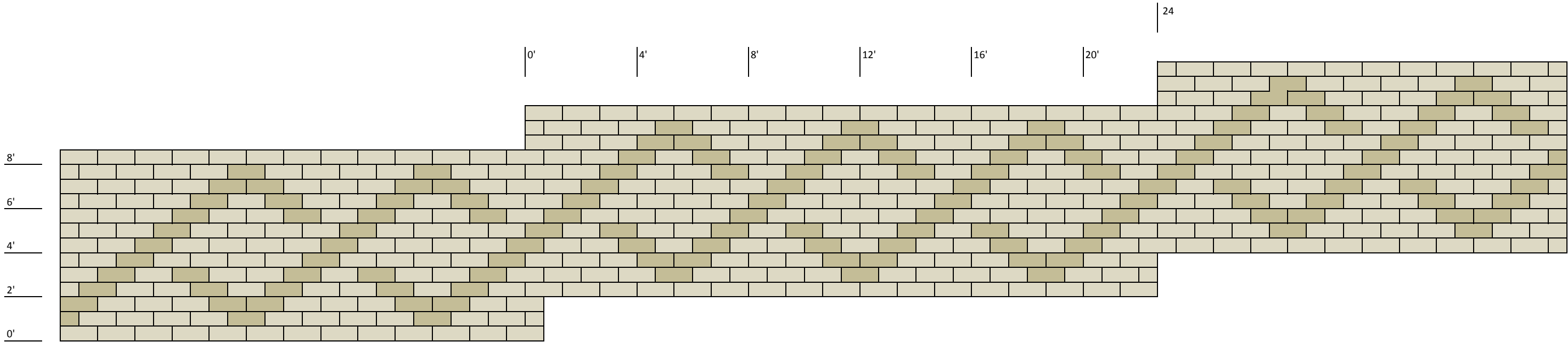
Bus Storage Facility

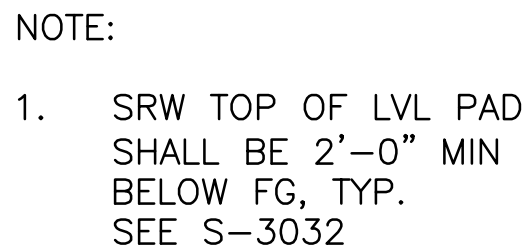
October 31, 2016

CERTIFICATE OF BIDDER
REGARDING NONDISCRIMINATION
IN CONTRACTS AND BENEFITS

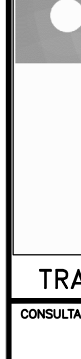

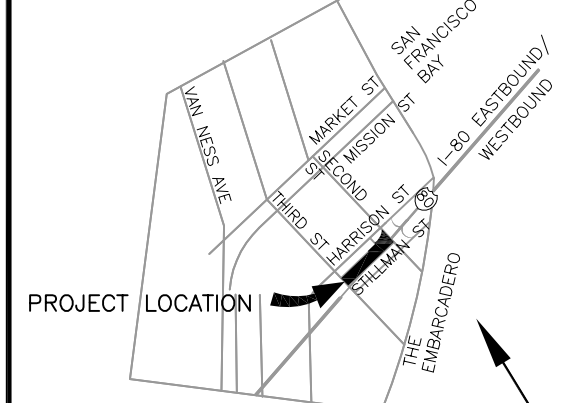
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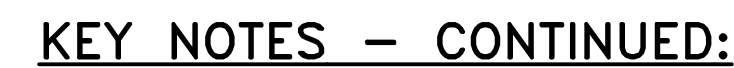
00 04 70 - 1





DIST 04	COUNTY SF	ROUTE 80	POST MILE 5.62	ARCHITECT/ENGINEER SEAL
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		Transbay Transit Center TRANSBAY JOINT POWERS AUTHORITY	
CONSULTANT: 		O L M M CONSULTING ENGINEERS San Francisco Oakland Phone: 415.882.9449 Phone: 510.433.0822	
 <p>PROJECT LOCATION</p> <p>Key Map</p> <p>N</p>			
REVISIONS			
BY	DESCRIPTION	DATE	
SG	ISSUED FOR BID	10-31-16	
SG	REVISED PER QBD	02-07-17	
CONTRACT NO. 17-05-BSF-000		PROJECT TITLE TRANSBAY TRANSIT CENTER PROGRAM BUS STORAGE FACILITY SAN FRANCISCO, CA	
DESIGNED BY: T. POST PRINCIPAL ENGINEER / ARCHITECT		CHECKED BY: I. DIMITROV	
DRAWN BY: G. CARRASCO P. DE MESA		DATE: 02/07/17	
APPROVED BY: I. DIMITROV PROJECT ENGINEER / ARCHITECT		FACILITY NO. 160	
SCALE: 1"=20'-0"		REVISION B	
SHEET NUMBER S-2052		SEQUENCE NUMBER 168 of 256	



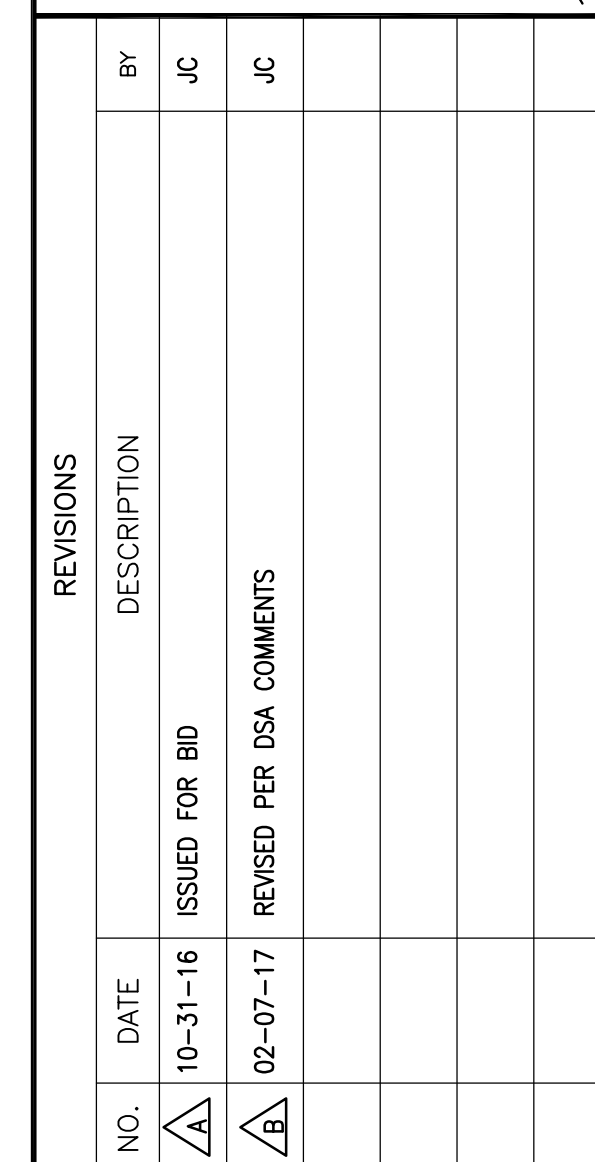
- ### LEGEND

- ## PARKING SUMMARY

- 12 TOTAL EMPLOYEE PARKING SPACES




- (25) MAINTENANCE GATES LOCATED ALONG THE SOUTH SIDE OF PERRY STREET, PROVIDE LOCKSETS SIMILAR TO THE PEDESTRIAN DOORS LOCATED ALONG 2ND AND 3RD STREET. PROVIDE A FLUSH BOLT AS PART OF THE HARDWARE SET PACKAGE. GATES LOCATED PERPENDICULAR TO PERRY STREET WILL BE FIT-UP WITH A 2-WAY LOCKABLE LIVESTOCK GATE LATCH AND LOCKABLE SURFACE BOLT. PADDLE LOCKS PROVIDE BY OTHERS.
- (26) POST MOUNTED ADA SIGNAGE. POST SHALL BE SET IN A SLEEVE PLACED ON TOP OF THE CONCRETE RETAINING WALL.

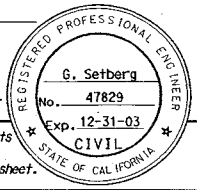


CONTRACT NO.	17-05-BSF-000
PROJECT TITLE	TRANSBAY TRANSIT CENTER PROGRAM BUS STORAGE FACILITY SAN FRANCISCO, CA
SHEET TITLE	ENLARGED SITE PLAN - EAST

APPROVED: T. POST	
PRINCIPAL ENGINEER / ARCHITECT	
APPROVED: M. WOOD	
PROJECT MANAGER	
APPROVED: J. CANALES	
PROJECT ENGINEER / ARCHITECT	
DESIGNED BY: J. CANALES	CHECKED BY: D. MLODZIK
DRAWN BY: J. LEE	DATE: 02/07/17
SCALE: 1"=20'	FACILITY NO. 160
	REVISION B
SHEET NUMBER A-1032	SEQUENCE NUMBER 73 of 256

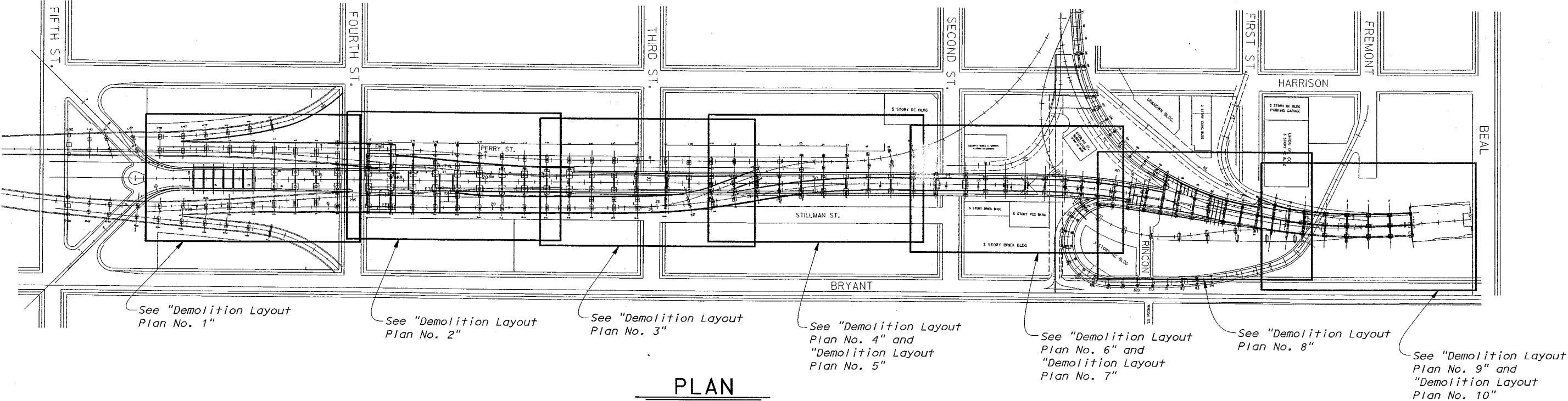
DIST	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No	TOTAL SHEETS
04	SF	80	4.9/5.9	1153	1511


REGISTERED CIVIL ENGINEER
12-03-01
6-17-02
PLANS APPROVAL DATE



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Caltrans now has a web site! To get to the web site, go to: <http://www.dot.ca.gov>



PLAN

1" = 150'

GENERAL NOTES:

1. Not all Electroliers shown. Total 55 Electroliers Westbound and Eastbound to be removed.
2. Earthquake Restrainers not shown.
3. Intermediate Floorbeams of reinforced concrete T-Beam structure prestressed in Spans 6 to 37, 41 and 42. Two Tendons stressed to 95000 lb± each in Spans 6 to 37. One Tendon stressed to 90000 lb± each in Spans 41 and 42.
4. Girders prestressed between hinges in Spans 7,9,11,13,15,18,20,23,26,29,31,34 and 37 of the reinforced concrete T-Beam structure with two tendons, one at 86000 lb± and one at 43000 lb±. Girders in Spans 33 prestressed to 86000 lb± each tendon (tot 2).
5. Bent Cap prestressing shown on Bent Detail sheets.

NOTE:
THE CONTRACTOR SHALL VERIFY ALL
CONTROLLING FIELD DIMENSIONS
BEFORE ORDERING OR FABRICATING
ANY MATERIAL.

SFOBB - SEISMIC RETROFIT PROJECT NO. 12				SFOBB - SAN FRANCISCO APPROACH (REPLACE)			
STATE OF CALIFORNIA DEPARTMENT OF TRANSPORTATION		DIVISION OF STRUCTURES STRUCTURE DESIGN 2		MAINLINE PROJECT PLAN DEMOLITION LAYOUT			
DESIGN	BY K. Bhala	CHECKED J. Zhang	BRIDGE NO.				
DETAILS	BY J. Klovach	CHECKED J. Zhang	34-0126RL				
QUANTITIES	BY D. Abellon	CHECKED K. Bhala	POST MILE				
			5.07/5.67				

CU 04		EA 0435V1		DISREGARD PRINTS BEARING EARLIER REVISION DATES		REVISION DATES (PRELIMINARY STAGE ONLY)		SHEET	OF
								272	419


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LEGEND

Indicates Demolition Limits

 Indicates Limits of Stage I Bridge Removal

 Indicates Limits of Stage 2 Bridge Removal

 Indicates Limits of Stage 3 Bridge Removal

 Indicates Limits of Stage 5 Bridge Removal

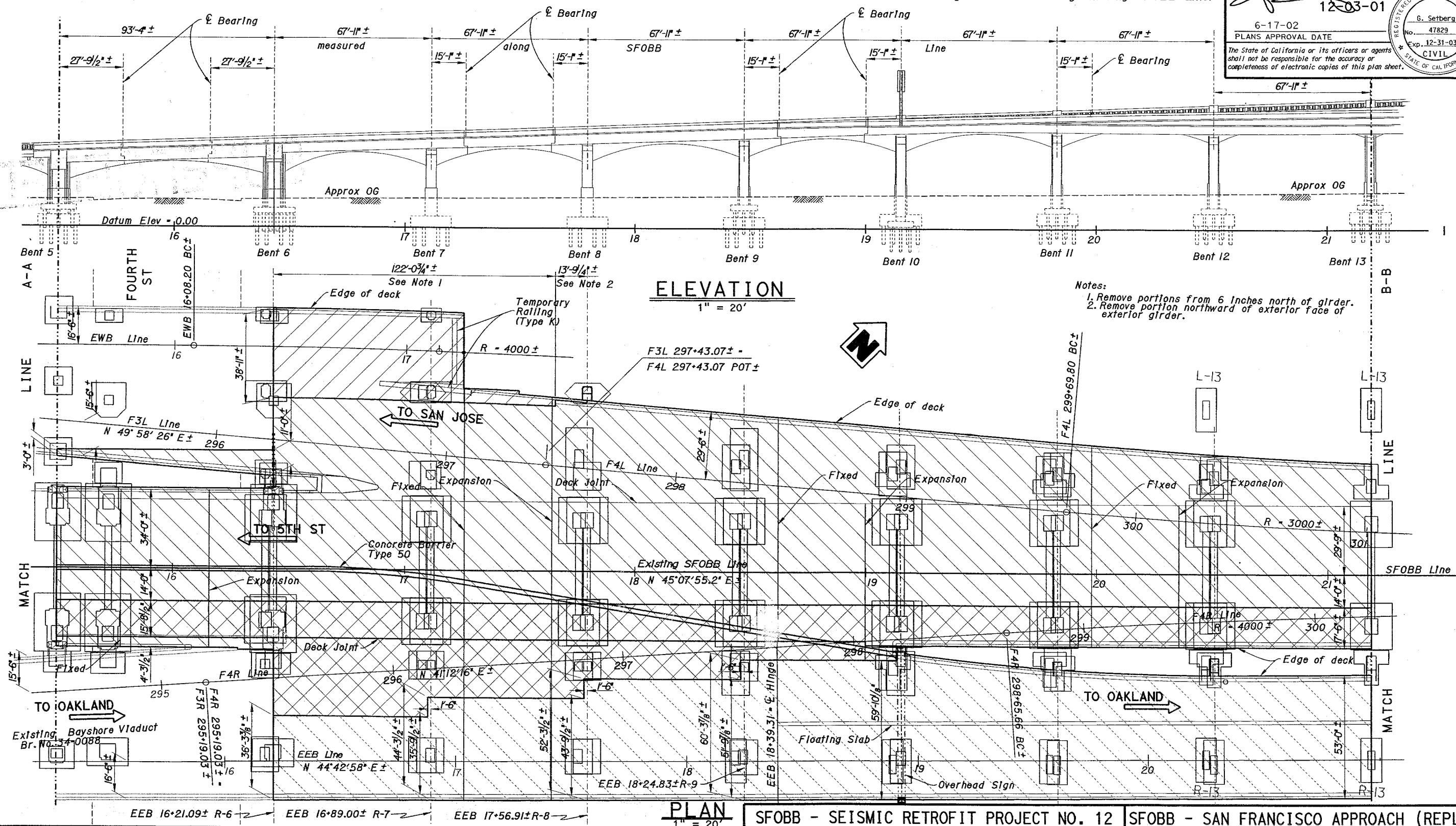
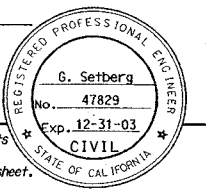
Note: All lengths measured along existing SFOBB Line.

DIST	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No	TOTAL SHEETS
04	SF	80	4.9/5.9	1155	1511

J. Setberg
REGISTERED CIVIL ENGINEER
12-03-01

6-17-02
PLANS APPROVAL DATE

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completeness of electronic copies of this plan sheet.*



Notes:

1. Remove portions from 6 inches north of girder.
2. Remove portion northward of exterior face of exterior girder.

PLAN

SFOBB - SEISMIC RETROFIT PROJECT NO. 12

SFOBB - SAN FRANCISCO APPROACH (REPLACE)

STATE OF
CALIFORNIA
DEPARTMENT OF TRANSPORTATION

DIVISION OF STRUCTURES STRUCTURE DESIGN 2

BRIDGE NO.
34-0126RL
POST MILE
5.07/5.67

MAINLINE
DEMOLITION LAYOUT PLAN NO.2

STRUCTURES DESIGN DETAIL SHEET (ENGLISH) (REV. 1/1/99)

ORIGINAL SCALE IN INCHES
FOR REDUCED PLANS

CU 04
EA 0435V1

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DISREGARD PRINTS BEARING
EARLIER REVISION DATES

REVISION DATES (PRELIMINARY STAGE ONLY)

7-26-00	7-27-00	8-8-00	8-26-00	11-18-00	4-24-01
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SHEET	OF
274	419

NOTE:
THE CONTRACTOR SHALL VERIFY ALL
CONTROLLING FIELD DIMENSIONS
BEFORE ORDERING OR FABRICATING
ANY MATERIAL.

Note: All lengths measured along existing SFOBB Line.

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DIST	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No	TOTAL SHEETS
04	SF	80	4.9/5.9	1156	1511

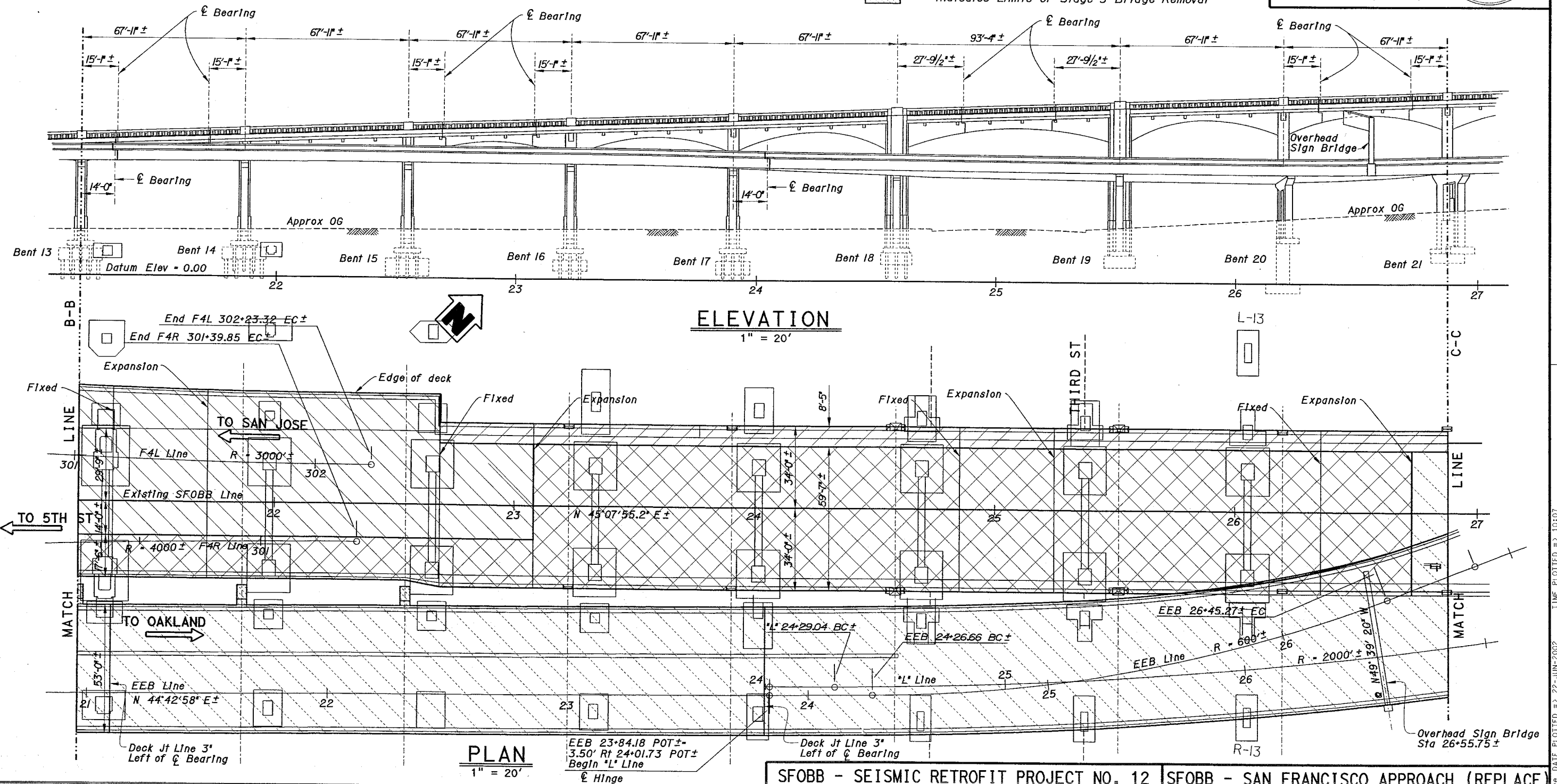
G. Setberg
REGISTERED CIVIL ENGINEER
12-03-01
6-17-02
PLANS APPROVAL DATE

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STATE OF CALIFORNIA
CIVIL
No. 47829
Exp. 12-31-03

LEGEND

- Indicates Demolition Limits
- Indicates Limits of Stage 1 Bridge Removal
- Indicates Limits of Stage 2 Bridge Removal
- Indicates Limits of Stage 3 Bridge Removal
- Indicates Limits of Stage 5 Bridge Removal



SFOBB - SEISMIC RETROFIT PROJECT NO. 12

SFOBB - SAN FRANCISCO APPROACH (REPLACE)

STATE OF
CALIFORNIA
DEPARTMENT OF TRANSPORTATION

DIVISION OF STRUCTURES
STRUCTURE DESIGN 2

BRIDGE NO.
34-0126RL
POST MILE
5.07/5.67

MAINLINE
DEMOLITION LAYOUT PLAN NO.3

DESIGN	BY K. Bhalu	CHECKED J. Zhang
DETAILS	BY FD/RN	CHECKED J. Zhang
QUANTITIES	BY P. Von Savoye	CHECKED K. Bhalu

ORIGINAL SCALE IN INCHES
FOR REDUCED PLANS


CU 04
EA 0435V1
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DISREGARD PRINTS BEARING
EARLIER REVISION DATES


REVISION DATES (PRELIMINARY STAGE ONLY)

SHEET 275 OF 419

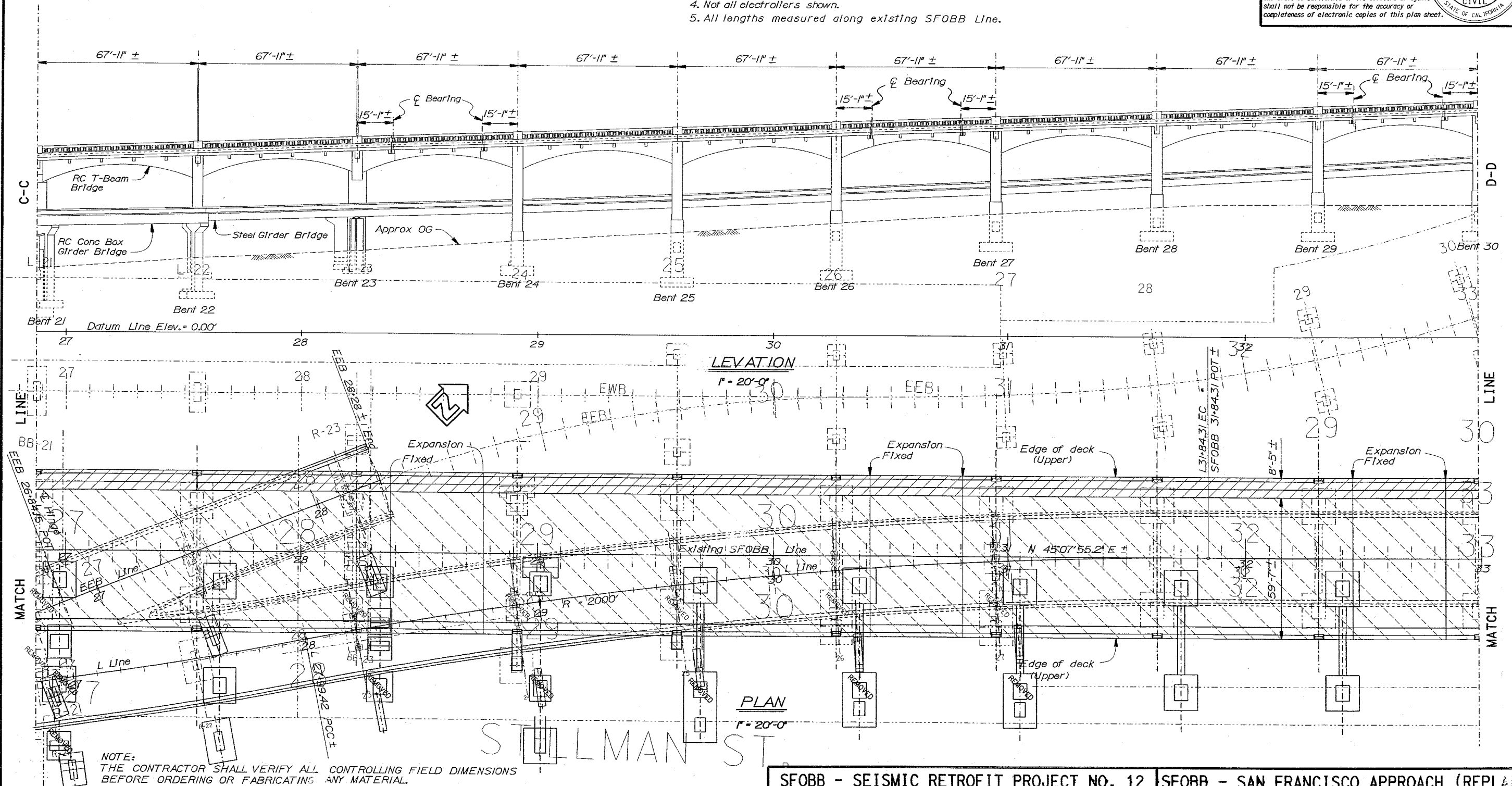
DIST	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No	TOTAL SHEETS
04	SF	80	4.9/5.9	1157	1511


 REGISTERED CIVIL ENGINEER
 12-03-01
 6-17-02
 PLANS APPROVAL DATE
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 completeness of electronic copies of this plan sheet.

 Limits of Stage 1 Bridge Removal

 Limits of Stage 5 Bridge Removal

1. For details not shown see "Demolition Details Bent No.2" through "Demolition Details Bents No.29, 30,33,34 and 35" sheets.
2. Upper deck bridge removal details shown, for lower deck see "Demolition Layout Plan No.5" sheet.
3. Not all adjacent structures shown, see "Foundation Plan" sheet.
4. Not all electrolters shown.
5. All lengths measured along existing SFOBB Line.



NOTE:
THE CONTRACTOR SHALL VERIFY ALL CONTROLLING FIELD DIMENSIONS
BEFORE ORDERING OR FABRICATING ANY MATERIAL.

SFOBB - SEISMIC RETROFIT PROJECT NO. 12	SFOBB - SAN FRANCISCO APPROACH (REPLACE)
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STATE OF
CALIFORNIA
DEPARTMENT OF TRANSPORTATION

DIVISION OF STRUCTURES
STRUCTURE DESIGN 2

BRIDGE NO.
34-0126RL
POST MILE
5.00/8.67

MAINLINE
DEMOLITION LAYOUT PLAN NO.4

STRUCTURES DESIGN DETAIL SHEET (ENGLISH) (REV: 1/1/99)

DESIGN	BY K. Bhala	CHECKED J. Zhang
DETAILS	BY JK/FD/MH	CHECKED J. Zhang
QUANTITIES	BY M. Herron	CHECKED K. Bhala

ORIGINAL SCALE IN INCHES
FOR REDUCED PLANS

CU 04
EA 0435V1

FILE => amtdip04.dgn

DISREGARD PRINTS BEARING
EARLIER REVISION DATES

REVISION DATES (PRELIMINARY STAGE ONLY)

0	10-11-00	10-12-00	10-30-00	11/15/00	11/29/00	4/26
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[illegible]

76 OF 119

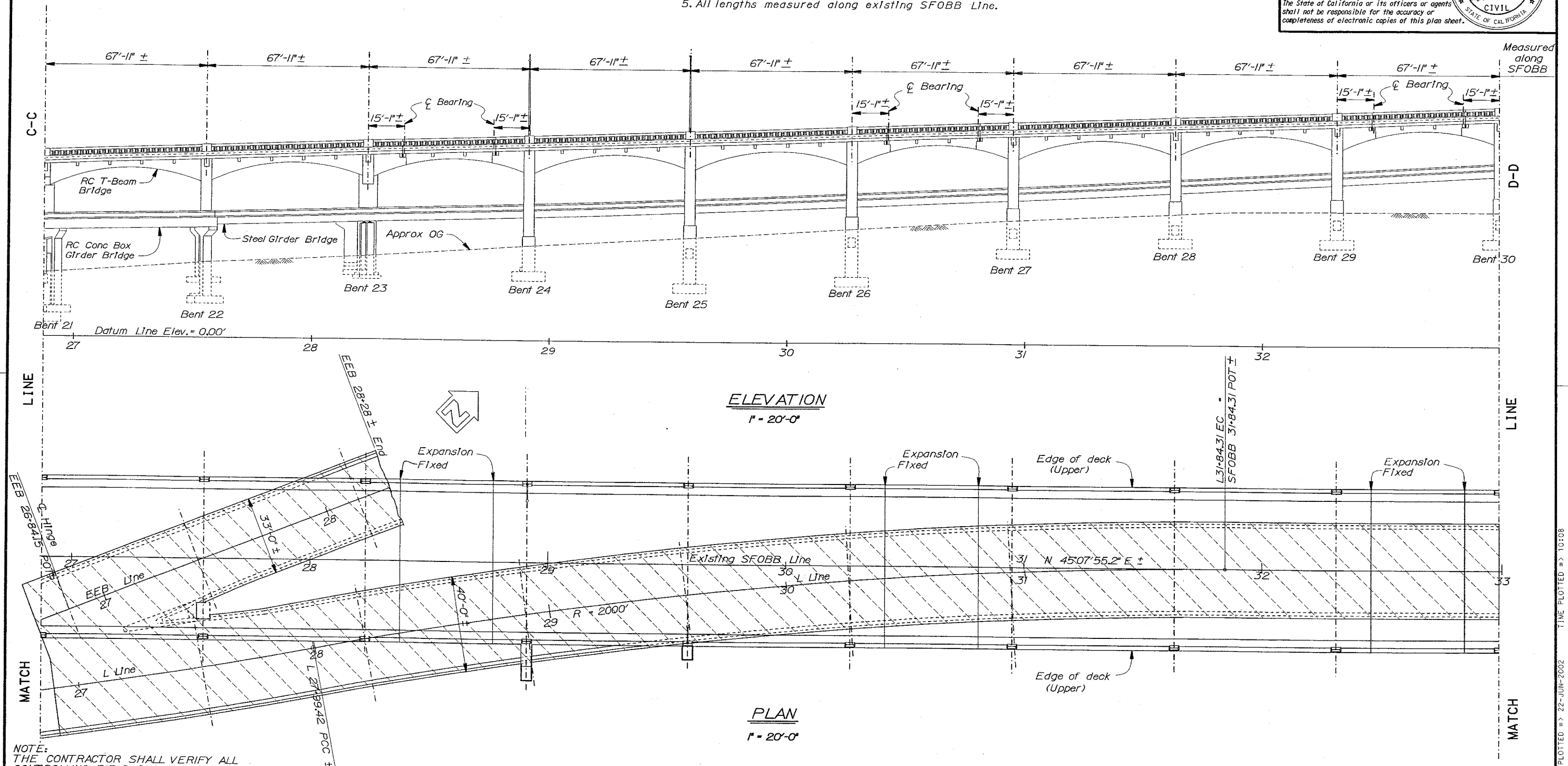
Caltrans now has a web site! To get to the web site, go to: <http://www.dot.ca.gov>

DIST	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No	TOTAL SHEETS
04	SF	80	4.9/5.9	1158	1511

G. Serberg
 REGISTERED CIVIL ENGINEER
 No. 47829
 Exp. 12-31-03
 CIVIL
 6-17-02
 PLANS APPROVAL DATE
 The State of California or its officers or agents shall not be responsible for the accuracy or completeness of electronic copies of this plan sheet.


Legend:
 Limits of Stage 5 Bridge Removal

- Notes:
1. For details not shown see "Demolition Details Bent No. 21" through "Bent Details No. 29, 30, 33, 34 and 35" sheets.
 2. Lower deck bridge removal details shown. For upper deck see "Demolition Layout Plan No. 4" sheet.
 3. Not all adjacent structures shown, see "Foundation Plan" sheet.
 4. Not all electrolers shown.
 5. All lengths measured along existing SFOBB Line.




NOTE:
 THE CONTRACTOR SHALL VERIFY ALL CONTROLLING FIELD DIMENSIONS BEFORE ORDERING OR FABRICATING ANY MATERIAL.

SFOBB - SEISMIC RETROFIT PROJECT NO. 12				SFOBB - SAN FRANCISCO APPROACH (REPLACE)									
	DESIGN	BY K. Bhalu	CHECKED J. Zhang	STATE OF CALIFORNIA DEPARTMENT OF TRANSPORTATION	DIVISION OF STRUCTURES STRUCTURE DESIGN 2	BRIDGE NO.	MAINLINE DEMOLITION LAYOUT PLAN NO.5						
	DETAILS	BY JK/FD/MH	CHECKED J. Zhang			34-0126RL							
	QUANTITIES	BY M. Herron	CHECKED K. Bhalu			POST MILE 5.07/5.67							
STRUCTURES DESIGN DETAIL SHEET (ENGLISH) (REV. 1/1/99)				ORIGINAL SCALE IN INCHES FOR REDUCED PLANS		CU 04 EA 0435V1		DISREGARD PRINTS BEARING EARLIER REVISION DATES		REVISION DATES (PRELIMINARY STAGE ONLY)		SHEET	OF
				0 1 2 3				10-12-00 10-14-00 10-12-00 10-20-00 10-24-00 11-25-00 4-26-01				277	419



Limits of Stage 1 Bridge Removal



Limits of Stage 5 Bridge Removal

1. For details not shown see "Demolition Details Bents No.29,30,33,34 and 35" through "Demolition Details Bent No.40" sheets.
2. Upper deck bridge removal details shown. For lower deck see "Demolition Layout Plan No.7" sheet.
3. Not all adjacent structures shown, see "Foundation Plan" sheet.
4. For Harrison Street Off-Ramp removal details see "SFOBB Seismic Retrofit Project No.13" plans.
5. Not all electrolters shown.
6. All lengths measured along existing SFOBB Line.

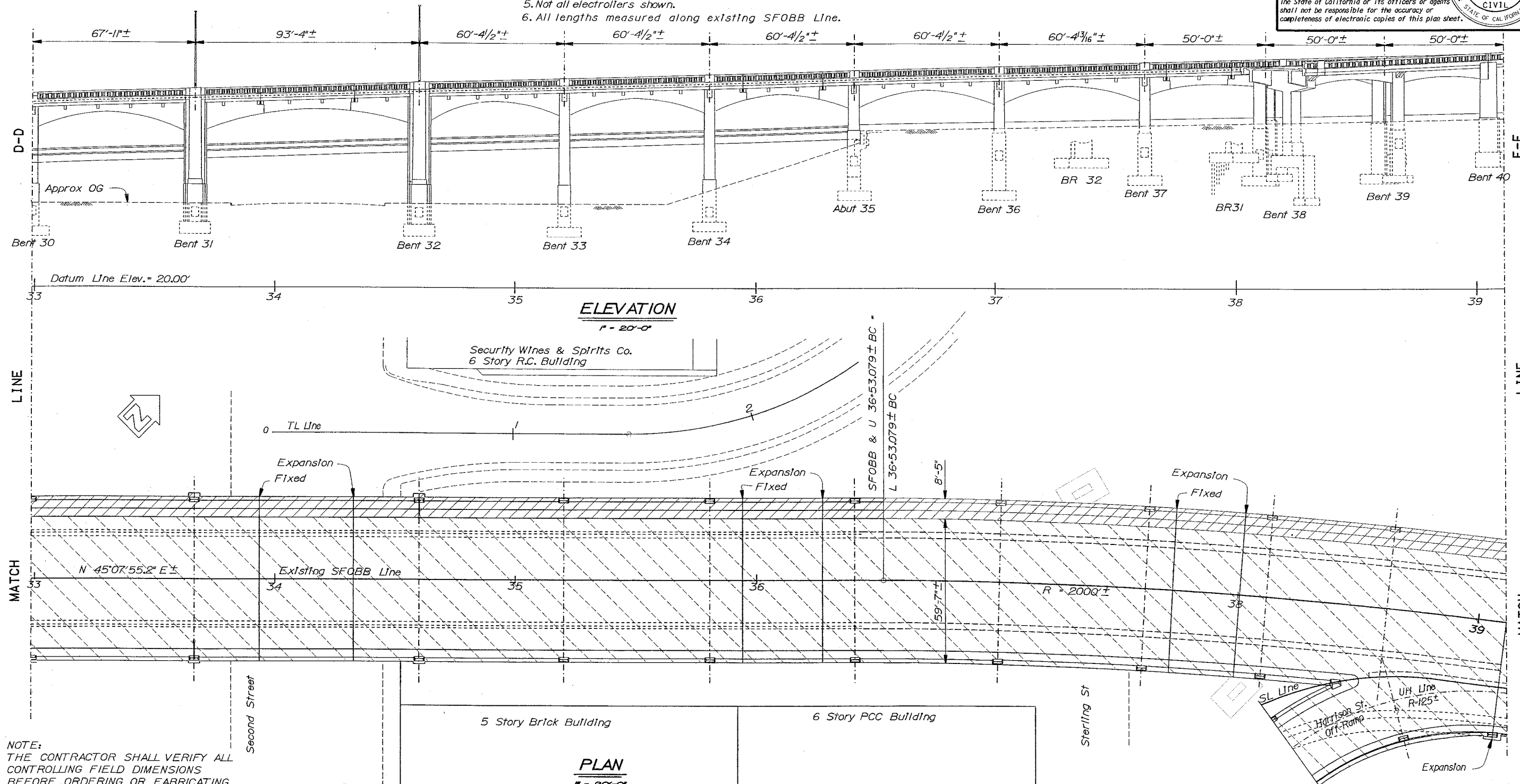
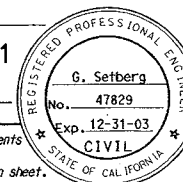
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DIST	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No	TOTAL SHEET
04	SF	80	4.9/5.9	1159	1511

J. Setlery
REGISTERED CIVIL ENGINEER
12-03-0

6-17-02
PLANS APPROVAL DATE

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NOTE:
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ANY MATERIAL.

SFOBB - SEISMIC RETROFIT PROJECT NO. 12

SFOBB - SAN FRANCISCO APPROACH (REPLACE)

STATE OF
CALIFORNIA
DEPARTMENT OF TRANSPORTATION

DIVISION OF STRUCTURES STRUCTURE DESIGN 2

BRIDGE NO.
34-0126RL
POST MILE
5.07/5.67

MAINLINE
DEMOLITION LAYOUT PLAN NO. 6

STRUCTURES DESIGN DETAIL SHEET (ENGLISH) (REV. 1/1/99)

DESIGN	BY K. Bhala	CHECKED J. Zhang
DETAILS	BY JK/FD/MH	CHECKED J. Zhang
QUANTITIES	BY M. Herron	CHECKED K. Bhala

ORIGINAL SCALE IN INCHES
FOR REDUCED PLANS

CU 04
EA 0435V1

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FILE => amtclp06.dgn
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DISREGARD PRINTS BEARING
EARLIER REVISION DATES —

REVISION DATES (PRELIMINARY STAGE ONLY)

10-31-00	11-23-00	4-26-01	6-23-01
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SHEET	OF
278	419

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DATE PLOTTED => 22-JUN-2002  TIME PLOTTED => 10:08

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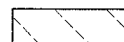
Caltrans now has a web site! To get to the web site, go to: <http://www.dot.ca.gov>

DIST	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No	TOTAL SHEETS
04	SF	80	4.9/5.9	1160	1511

G. Setberg
REGISTERED CIVIL ENGINEER
12-03-01
6-17-02
PLANS APPROVAL DATE
No. 47829
Exp. 12-31-03
CIVIL
STATE OF CALIFORNIA

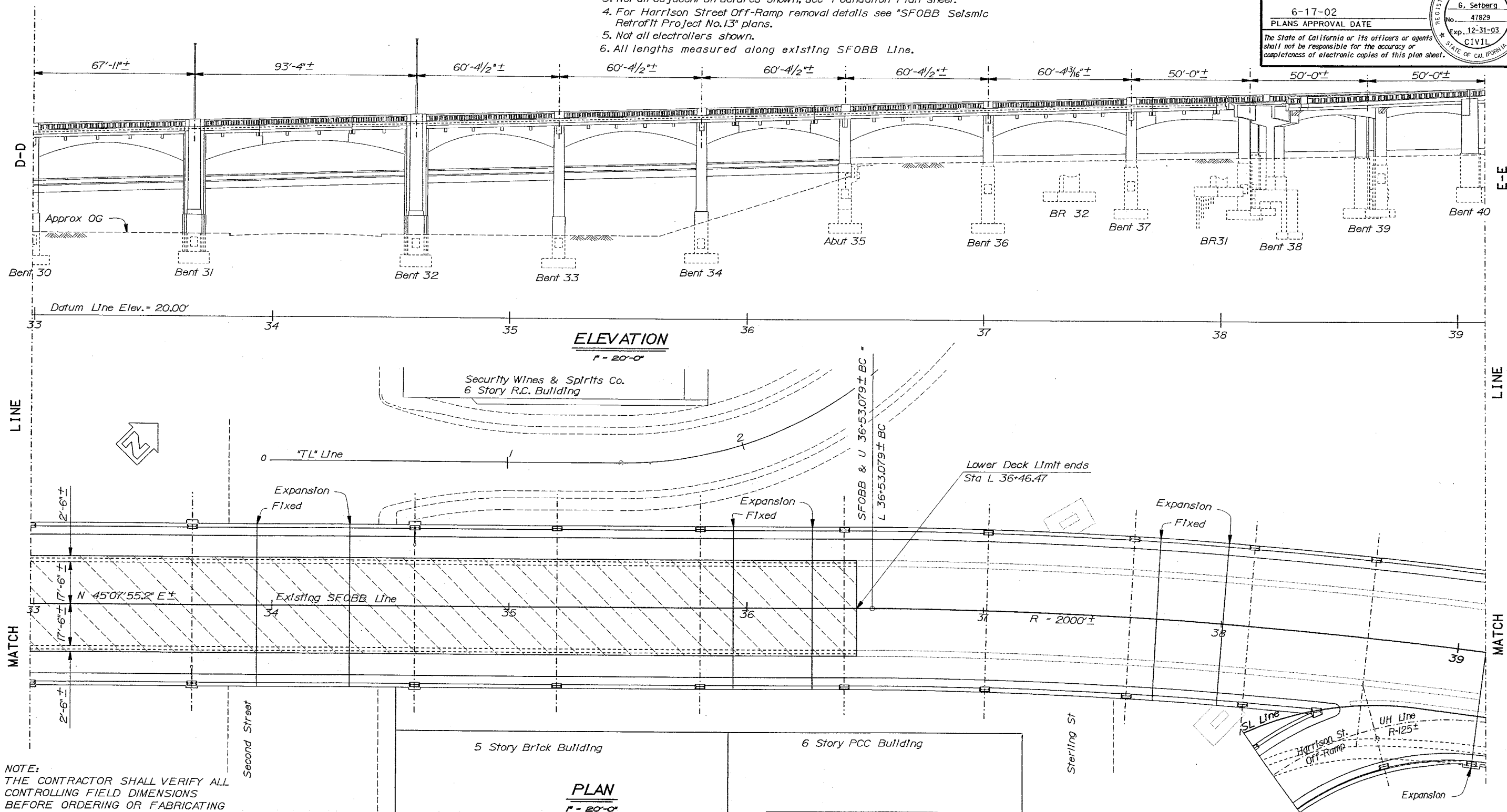
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Legend:

 Limits of Stage 5 Bridge Removal

Notes:

1. For details not shown see "Demolition Details Bents No. 29, 30, 33, 34 and 35" through "Demolition Details Bent No. 40" sheets.
2. Lower deck bridge removal details shown. For upper deck see "Demolition Layout Plan No. 6" sheet.
3. Not all adjacent structures shown, see "Foundation Plan" sheet.
4. For Harrison Street Off-Ramp removal details see "SFOBB Seismic Retrofit Project No. 13" plans.
5. Not all electrolers shown.
6. All lengths measured along existing SFOBB Line.



NOTE:
THE CONTRACTOR SHALL VERIFY ALL CONTROLLING FIELD DIMENSIONS BEFORE ORDERING OR FABRICATING ANY MATERIAL.

DESIGN	BY K. Bhalra	CHECKED J. Zhang
DETAILS	BY JK/FD/MH	CHECKED J. Zhang
QUANTITIES	BY M. Herron	CHECKED K. Bhalra

SFOBB - SEISMIC RETROFIT PROJECT NO. 12	SFOBB - SAN FRANCISCO APPROACH (REPLACE)
STATE OF CALIFORNIA DEPARTMENT OF TRANSPORTATION	BRIDGE NO. 34-0126RL DIVISION OF STRUCTURES STRUCTURE DESIGN 2 POST MILE 5.07/5.67
CU 04 EA 0435V1	MAINLINE DEMOLITION LAYOUT PLAN NO. 7

STRUCTURES DESIGN DETAIL SHEET (ENGLISH) (REV. 1/1/99)

ORIGINAL SCALE IN INCHES FOR REDUCED PLANS

DISREGARD PRINTS BEARING EARLIER REVISION DATES
CU 04
EA 0435V1
FILE => am7d1p07.dgn

REVISION DATES (PRELIMINARY STAGE ONLY)
10-14-00 10-31-00 11-14-00 1-24-01 6-23-01
SHEET 279 OF 419

USERNAME => trnguyue DATE PLOTTED => 22-JUN-2002 TIME PLOTTED => 10:09

NOTE:
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CONTROLLING FIELD DIMENSIONS
BEFORE ORDERING OR FABRICATING
ANY MATERIAL.

LEGEND:

- Limits of Stage 1 Bridge Removal
- Limits of Stage 2 Bridge Removal
- Limits of Stage 4 Bridge Removal
- Limits of Stage 5 Bridge Removal

Notes:

1. For details not shown see "Demolition Details Bent No. 40" through "Demolition Details Bent No. 50" sheets.
2. Upper deck bridge removal details shown. Lower deck is at grade. For Concrete Barrier Type 50 and Concrete Barrier Type 27 removal see "Road Plans".
3. Not all adjacent structures shown, see "Foundation Plan" sheet.
4. For Fremont St. Off-ramp removal details see "SFOBB-Seismic Retrofit Project No. 13" plans.
5. Not all electrolers shown.
6. All lengths measured along existing SFOBB Line.

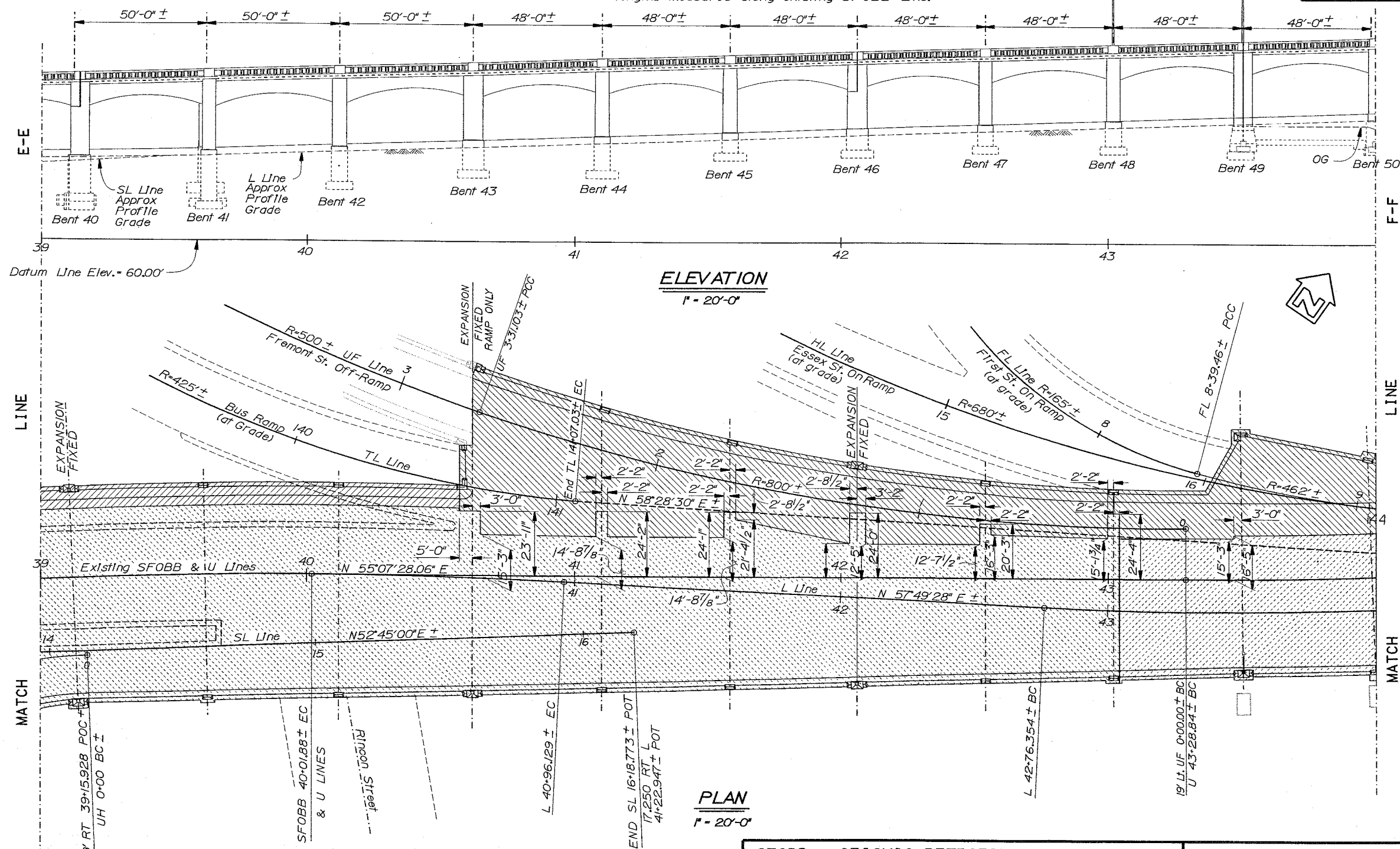
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DIST	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No	TOTAL SHEETS
04	SF	80	4.9/5.9	1161	1511

G. Setberg
REGISTERED CIVIL ENGINEER
12-03-01
6-17-02
PLANS APPROVAL DATE

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G. Setberg
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Exp. 12-31-03
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SFOBB - SEISMIC RETROFIT PROJECT NO. 12		SFOBB - SAN FRANCISCO APPROACH (REPLACE)	
STATE OF CALIFORNIA DEPARTMENT OF TRANSPORTATION		BRIDGE NO. 34-0126RL	
DIVISION OF STRUCTURES STRUCTURE DESIGN 2		POST MILE 5.07/5.67	
		MAINLINE DEMOLITION LAYOUT PLAN NO. 8	

STRUCTURES DESIGN DETAIL SHEET (ENGLISH) (REV. 1/1/99)

DESIGN	BY K. Bhalra	CHECKED J. Zhang
DETAILS	BY JK/FD/MH/DE	CHECKED J. Zhang
QUANTITIES	BY M. Herron	CHECKED K. Bhalra

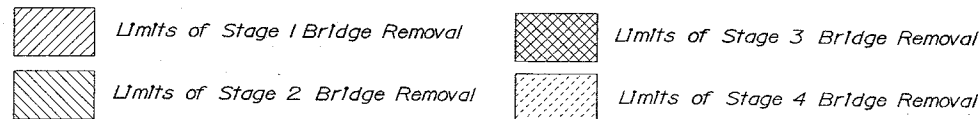
ORIGINAL SCALE IN INCHES
FOR REDUCED PLANS

CU 04
EA 0435V1
FILE => amtd1p08.dgn

DISREGARD PRINTS BEARING
EARLIER REVISION DATES

REVISION DATES (PRELIMINARY STAGE ONLY)	SHEET	OF
11-27-00 11-28-00 5-2-01 6-22-01 7-22-01 9-14-00 10-18-00 10-31-00 11-29-00	280	419

LEGEND:



Notes:

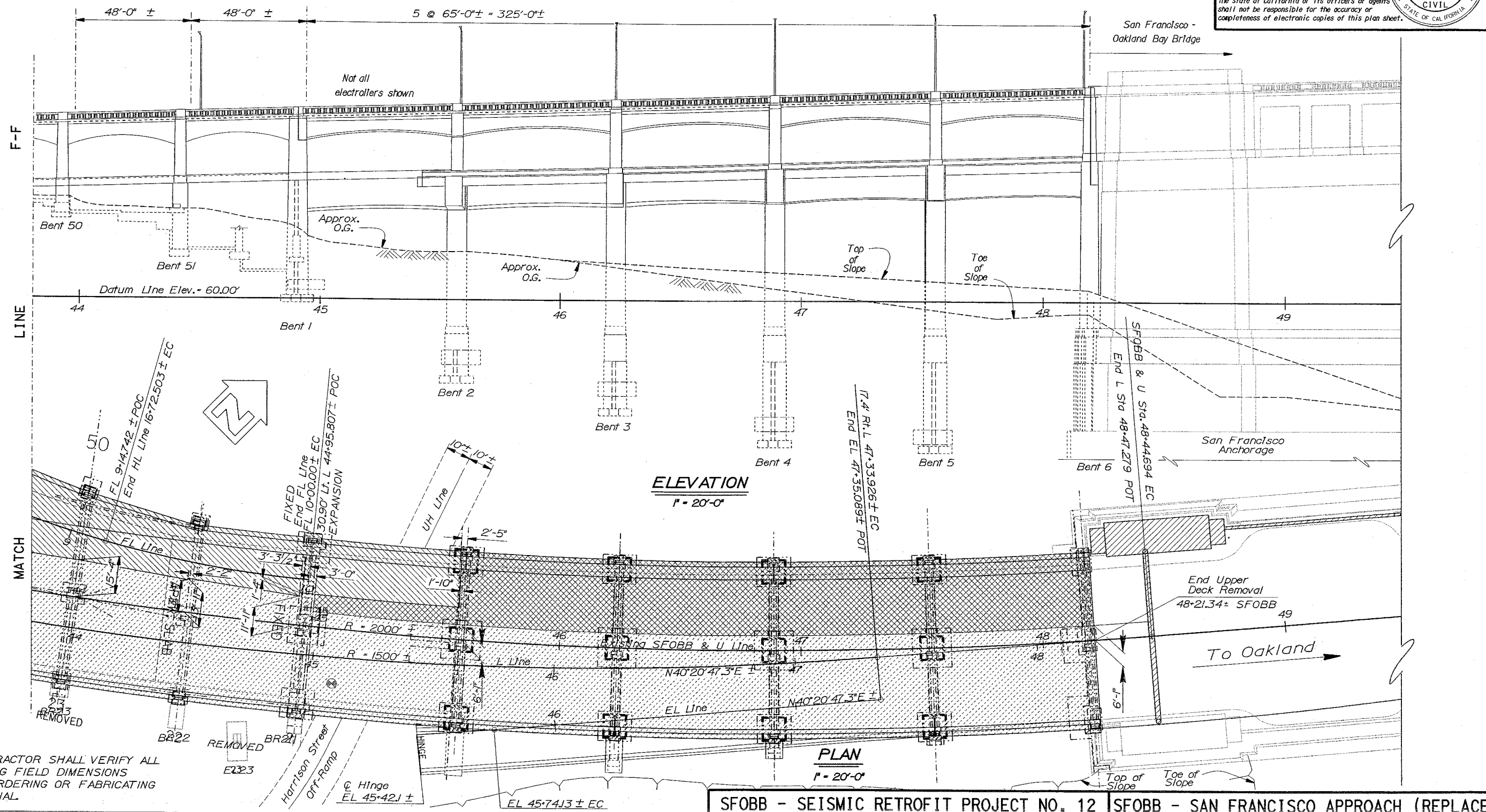
1. For details not shown see "Demolition Details Bent No.50" through "Bent Details No.8" sheets.
2. Upper deck bridge removal details shown, for lower deck see "Demolition Layout Plan II" sheet.
3. Not all adjacent structures shown, see "Foundation Plan" sheet.
4. All lengths measured along existing SFOBB Line.

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DIST	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No	TOTAL SHEETS
04	SF	80	4.9/5.9	1162	1511

J. Setberg
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6-17-02
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NOTE:
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DESIGN	BY K. Bhalu	CHECKED J. Zhang/G. Stocum
DETAILS	BY JK/FD/MH/DE	CHECKED J. Zhang
QUANTITIES	BY M. Herron	CHECKED K. Bhalu

STATE OF CALIFORNIA
DEPARTMENT OF TRANSPORTATION

DIVISION OF STRUCTURES
STRUCTURE DESIGN 2

BRIDGE NO.	34-0126RL
POST MILE	5.07/5.67

MAINLINE
DEMOLITION LAYOUT PLAN NO. 9

STRUCTURES DESIGN DETAIL SHEET (ENGLISH) (REV. 1/1/99)

ORIGINAL SCALE IN INCHES FOR REDUCED PLANS

CU 04
EA 0435V1

DISREGARD PRINTS BEARING EARLIER REVISION DATES

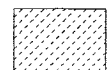
REVISION DATES (PRELIMINARY STAGE ONLY)

SHEET 281 OF 419

USER NAME => trimgov98 DATE PLOTTED => 22-JUN-2002 TIME PLOTTED => 10:10

NOTE:
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LEGEND:



Limits of Stage 4 Bridge Removal

Notes:

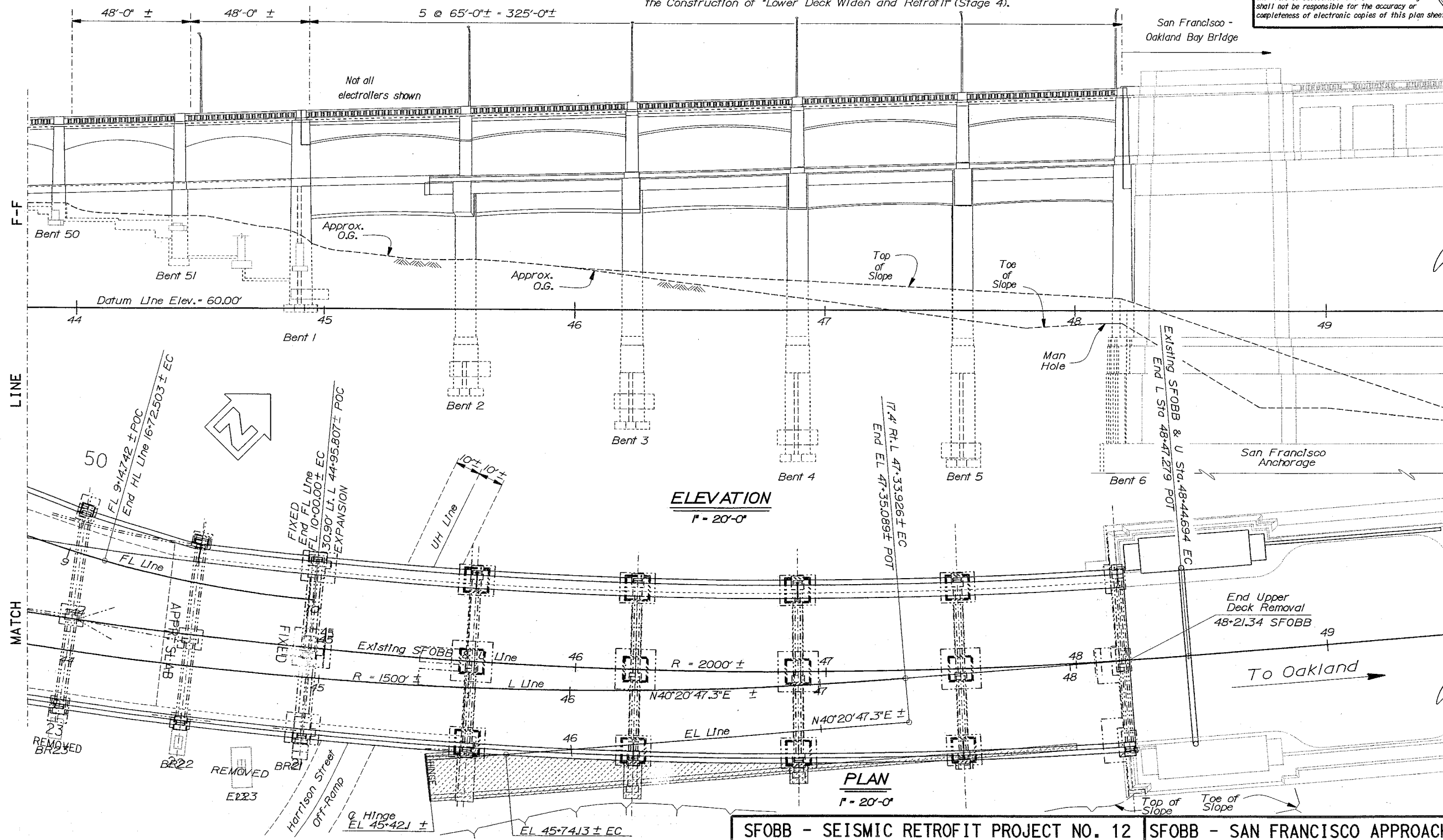
1. For details not shown see "Demolition Details
Bent No. 50" through "Bent Details No. 6" sheets.
2. Lower deck bridge removal details shown, for upper
deck see "Demolition Layout Plan 9" sheet.
3. Not all adjacent structures shown, see "Foundation Plan" sheet.
4. All lengths measured along existing SFOBB Line.
5. Portions of Footing EL23 may need to be removed during
the construction of "Lower Deck Widen and Retrofit" (Stage 4).

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DIST	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No	TOTAL SHEETS
04	SF	80	4.9/5.9	1163	1511

G. Setberg
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12-03-01
6-17-02
PLANS APPROVAL DATE
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G. Setberg
No. 47829
Exp. 12-31-03
CIVIL
STATE OF CALIFORNIA



SFOBB - SEISMIC RETROFIT PROJECT NO. 12 SFOBB - SAN FRANCISCO APPROACH (REPLACE)

STATE OF CALIFORNIA DEPARTMENT OF TRANSPORTATION	DIVISION OF STRUCTURES STRUCTURE DESIGN 2	BRIDGE NO. 34-0126RL POST MILE 5.00/5.67	MAINLINE DEMOLITION LAYOUT PLAN NO. 10
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STRUCTURES DESIGN DETAIL SHEET (ENGLISH) (REV. 1/1/99)

DESIGN	BY K. Bhalu	CHECKED J. Zhang
DETAILS	BY JK/FD/MH/DE	CHECKED J. Zhang
QUANTITIES	BY M. Herron	CHECKED K. Bhalu

ORIGINAL SCALE IN INCHES
FOR REDUCED PLANS

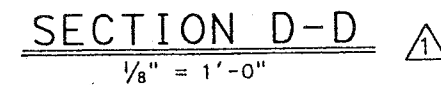
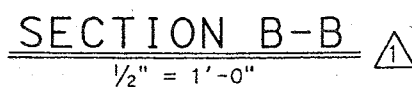
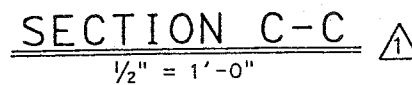
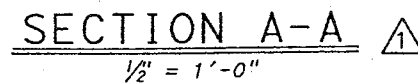
CU 04
EA 0435V1

FILE => omd1p10.dgn

DISREGARD PRINTS BEARING EARLIER REVISION DATES	REVISION DATES (PRELIMINARY STAGE ONLY)	SHEET 282 OF 419
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DATE PLOTTED => 22-JUN-2002 USERNAME => ttf

1. For "Section A-A, B-B, C-C and D-D" locations, see "Demolition Layout Plan No. 1" sheet.



		12-15-03	Details Modified	EW
	MARK DATE	DESCRIPTIONS	BY	CH'
		REVISIONS		

CONTRACT CHANGE ORDER NO. _____
SHEET _____ OF _____

SFOBB - SEISMIC RETROFIT PROJECT NO. 12

SFOBB - SAN FRANCISCO APPROACH (REPLACE

STATE OF
CALIFORNIA
DEPARTMENT OF TRANSPORTATION

DIVISION OF STRUCTURES
STRUCTURE DESIGN 2

BRIDGE NO.
34-0126R
POST MILE
5.07/5.6

RL	MAINLINE
	DEMOLITION DETAILS CELLULAR STRUCTURE AND APPROACH

STRUCTURES DESIGN DETAIL SHEET (ENGLISH) (REV. 1/1/99)

ORIGINAL SCALE IN INCHES
FOR REDUCED PLANS

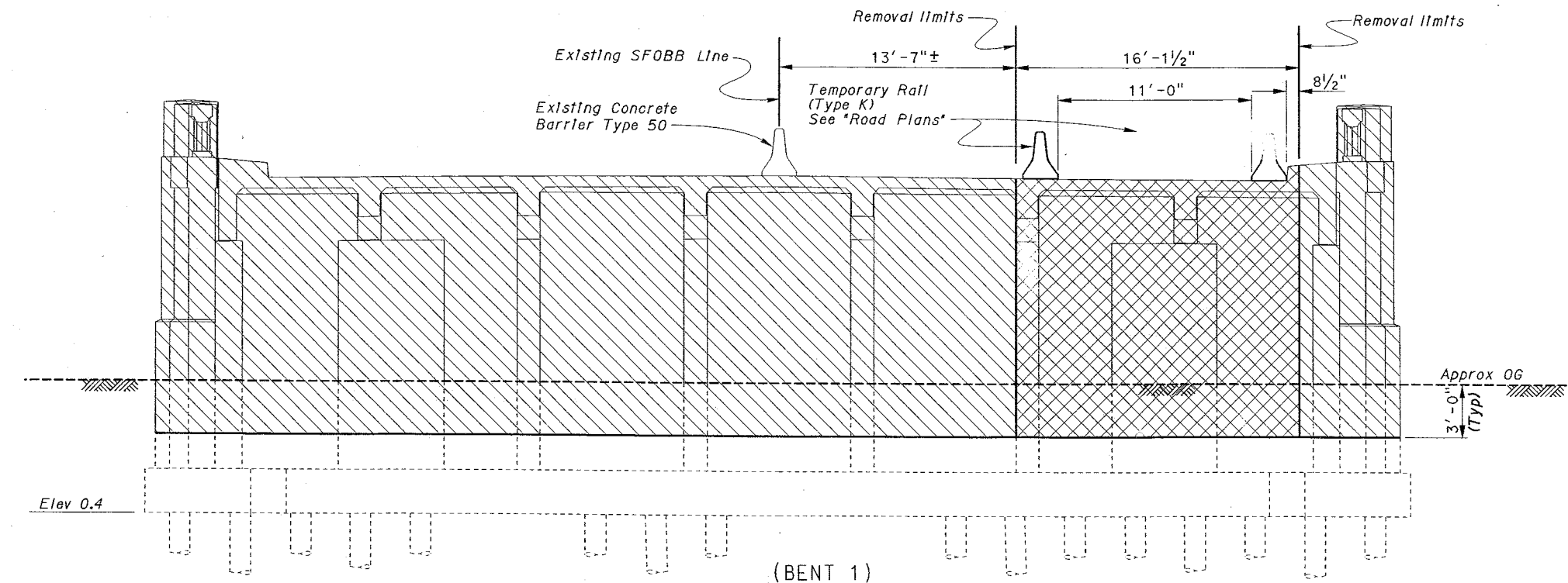
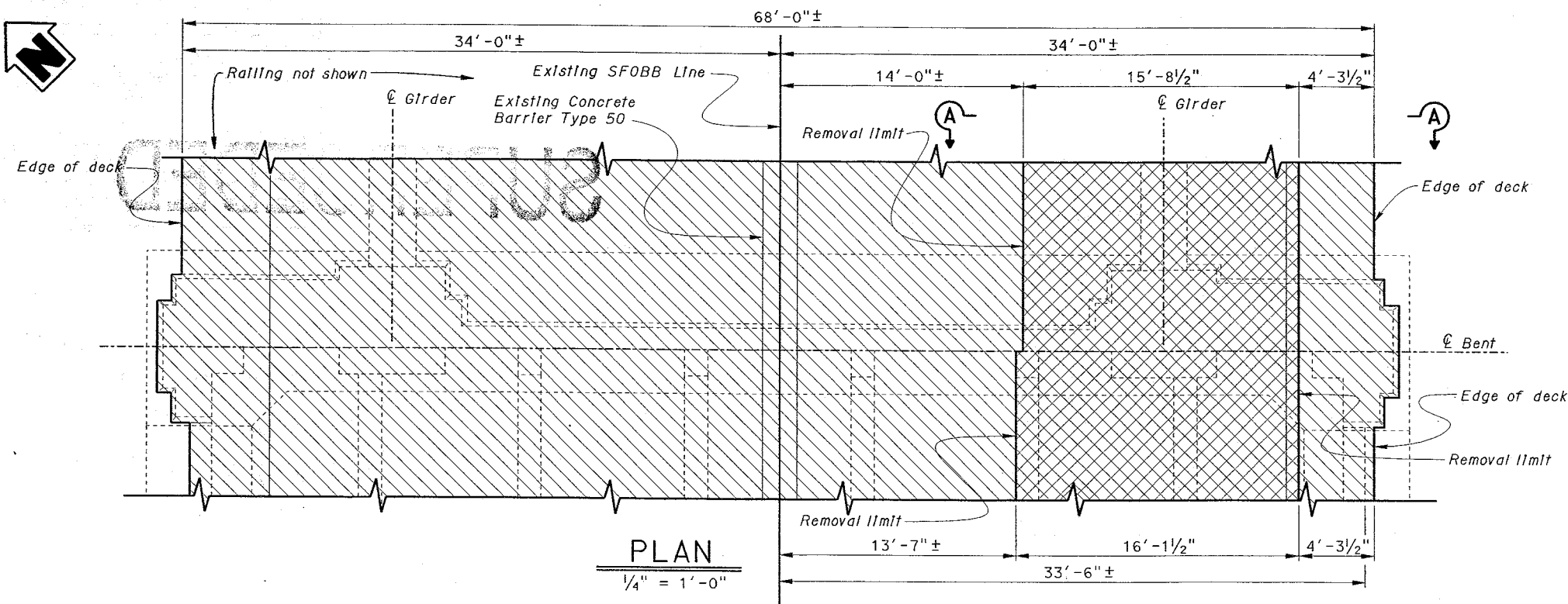
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REVISION DATES (PRELIMINARY STAGE ONLY)										SHEET	OF
DISREGARD PRINTS BEARING EARLIER REVISION DATES		8-1-00	11-28-00	12-1-00	4-28-01	7-22-01				283	41

DIST	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No	TOTAL SHEETS
04	SF	80	4.9/5.9	1165	1511

G. Setberg
REGISTERED CIVIL ENGINEER
12-03-01
6-17-02
PLANS APPROVAL DATE
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G. Setberg
No. 47829
Exp. 12-31-03
CIVIL
STATE OF CALIFORNIA



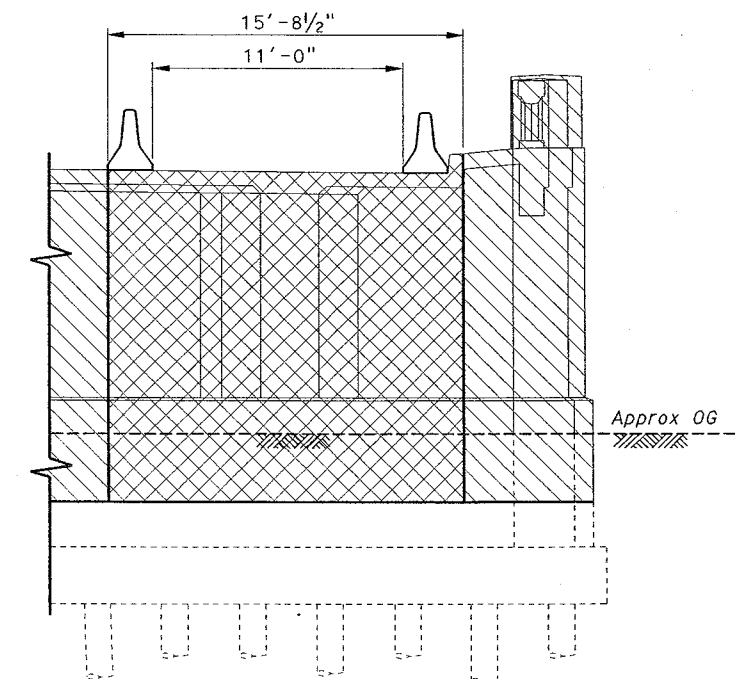
NOTE:
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BEFORE ORDERING OR FABRICATING
ANY MATERIAL.

LEGEND

- Indicates Demolition Limits
- ▨ Indicates Limits of Stage 2 Bridge Removal
- ▩ Indicates Limits of Stage 3 Bridge Removal

Note:

1. All piles not shown.
2. For Bent location and details not shown, see "Demolition Layout Plan No. 1" sheet.




SFOBB - SEISMIC RETROFIT PROJECT NO. 12			SFOBB - SAN FRANCISCO APPROACH (REPLACE)		
STATE OF CALIFORNIA			MAINLINE		
DIVISION OF STRUCTURES			DEMOLITION DETAILS BENT NO. 1		
STRUCTURE DESIGN 2					
BRIDGE NO. 34-0126RL					
POST MILE 5.07/5.67					

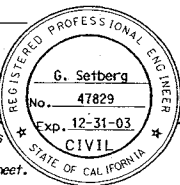
CU 04	EA 0435V1	DISREGARD PRINTS BEARING EARLIER REVISION DATES	REVISION DATES (PRELIMINARY STAGE ONLY)	SHEET 284	OF 419
FILE => amudd01.dgn					

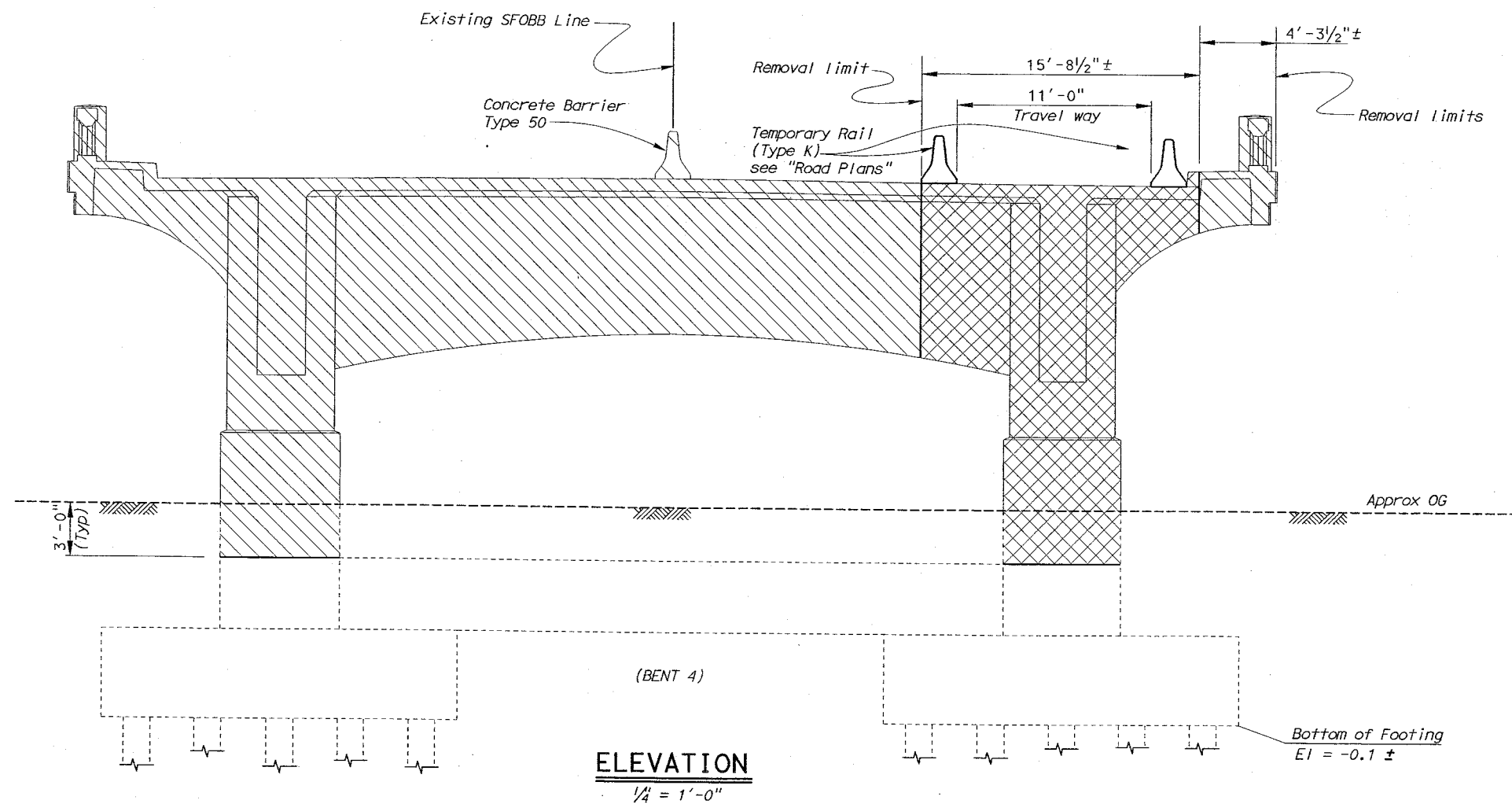
STRUCTURES DESIGN DETAIL SHEET (ENGLISH) (REV. 1/1/99) ORIGINAL SCALE IN INCHES FOR REDUCED PLANS DATE PLOTTED => 22-JUN-2002 USERNAME => TTT



DIST	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET NO.	TOTAL SHEETS
04	SF	80	4.9/5.9	1166	1511


REGISTERED CIVIL ENGINEER
12-03-01
6-17-02
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LEGEND

- Indicates Demolition Limits
- ▨ Indicates Limits of Stage 2 Bridge Removal
- ▩ Indicates Limits of Stage 3 Bridge Removal

Notes:

1. All piles not shown.
2. Bent 4 shown, Bents 2 & 3 similar.
3. For Bent locations and details not shown see "Demolition Layout Plan No. 1" sheet.

NOTE:
THE CONTRACTOR SHALL VERIFY ALL
CONTROLLING FIELD DIMENSIONS
BEFORE ORDERING OR FABRICATING
ANY MATERIAL.

STRUCTURES DESIGN DETAIL SHEET (ENGLISH) (REV. 1/1/99)				SFOBB - SEISMIC RETROFIT PROJECT NO. 12				SFOBB - SAN FRANCISCO APPROACH (REPLACE)			
DESIGN		BY K. Bhalia		CHECKED J. Zhang		STATE OF CALIFORNIA		BRIDGE NO. 34-0126RL		MAINLINE	
DETAILS		BY FD/JK/RN/DE		CHECKED J. Zhang		DIVISION OF STRUCTURES		POST MILE 5.07/5.67		DEMOLITION DETAILS BENTS NO. 2,3, AND 4	
QUANTITIES		BY Alan Tam		CHECKED S. Schenck		DEPARTMENT OF TRANSPORTATION		CU 04 EA 0435V1		SHEET 285 OF 419	
ORIGINAL SCALE IN INCHES FOR REDUCED PLANS				0 1 2 3				DISREGARD PRINTS BEARING EARLIER REVISION DATES			
				FILE => amudd02.dgn				REVISION DATES (PRELIMINARY STAGE ONLY)			

DIST	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET NO	TOTAL SHEETS
04	SF	80	4.9/5.9	1167	1511

G. Setberg
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 6-17-02
 PLANS APPROVAL DATE
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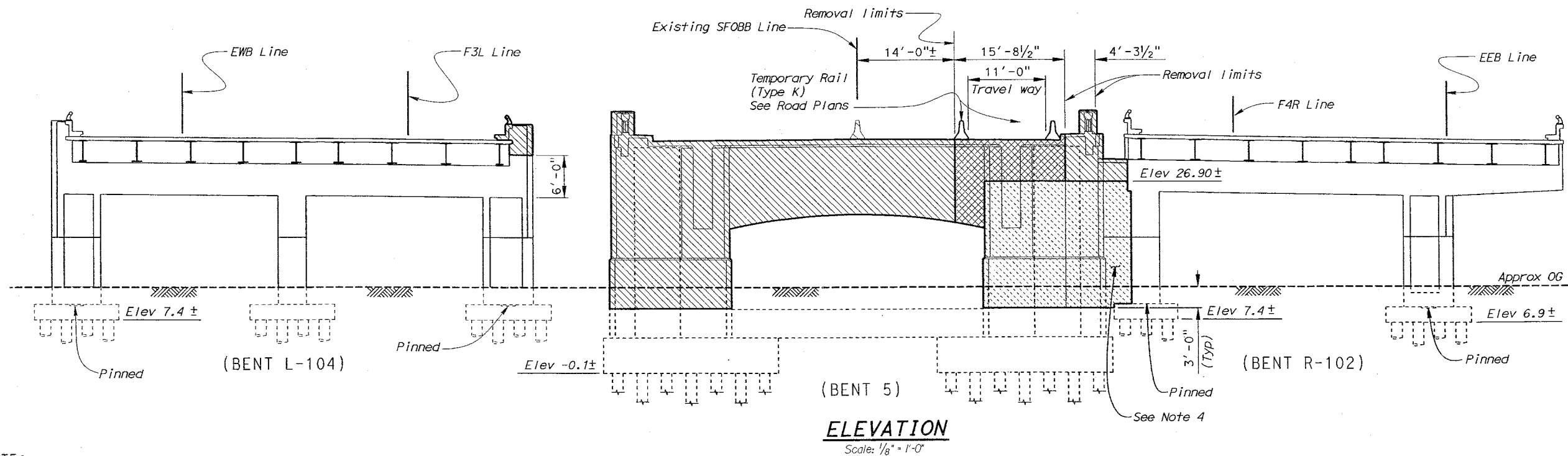
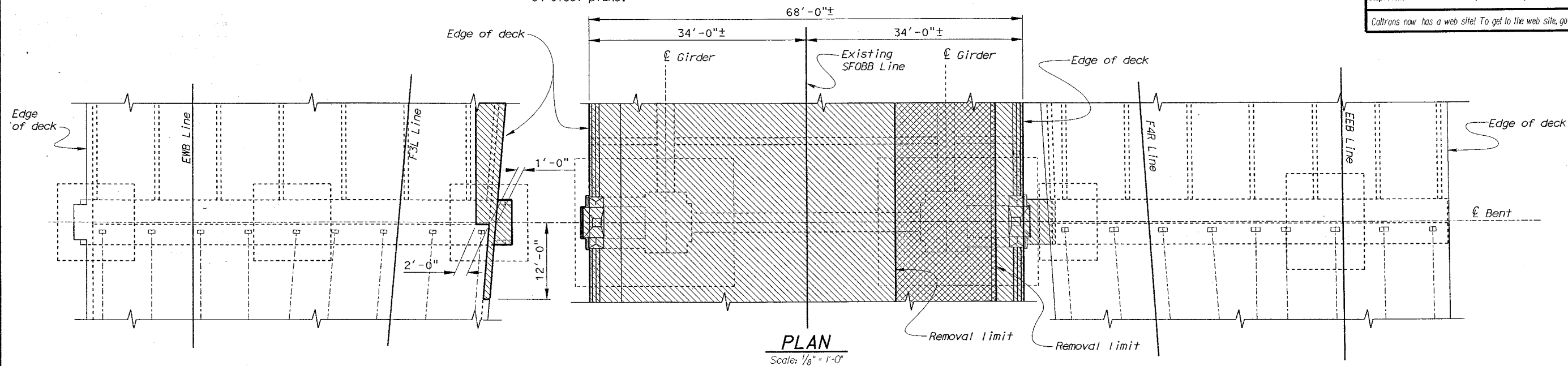
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Notes:

1. All piles not shown.
2. For Bent L-104 & R-102 concrete removal details see Bayshore Viaduct-4th Street (Retrofit) "Concrete Removal Plan No. 1 & No. 2" sheets.
3. For Bent location and details not shown see "Demolition Layout Plan No. 1 and No. 2" sheets.
4. Portion of existing bent to remain as support for 4th Street OC Interim Structure. For additional information, see Br. No. 34-0153T plans.

LEGEND

- Indicates Demolition Limits
- ▨ Indicates Limits of Stage 2 Bridge Removal
- ▩ Indicates Limits of Stage 3 Bridge Removal
- ▧ Indicates Limits of Stage 5 Bridge Removal



NOTE:
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SFOBB - SEISMIC RETROFIT PROJECT NO. 12 STATE OF CALIFORNIA DEPARTMENT OF TRANSPORTATION				SFOBB - SAN FRANCISCO APPROACH (REPLACE) MAINLINE DEMOLITION DETAILS BENT NO. 5			
DESIGN BY K. Bhala	CHECKED J. Zhang	BRIDGE NO. 34-0126RL	REVISION DATES (PRELIMINARY STAGE ONLY) 10-26-00 11-16-00 4-21-01 7-26-01 12-03-01				
DETAILS BY FD/JK/RN/DE	CHECKED J. Zhang	POST MILE 5.07/5.67					
QUANTITIES BY P. Van Savoye	CHECKED K. Bhala	CU 04 EA 0435V1					
STRUCTURES DESIGN DETAIL SHEET (ENGLISH) (REV. 1/1/99) ORIGINAL SCALE IN INCHES FOR REDUCED PLANS				DISREGARD PRINTS BEARING EARLIER REVISION DATES			
0 1 2 3				SHEET 286 OF 419			

USERNAME => TJOING DATE PLOTTED => 22-JUN-2002 TIME PLOTTED => 10:13 FILE => amudd05.dgn

Notes:

1. All piles not shown.
2. For bent location and details not shown see "Demolition Layout Plan No. 2" sheet.
3. For Bent R-6 and L-6 concrete removal limits see Bayshore Viaduct-4th Street (Retrofit) "Concrete Removal Plan No. 1 and No. 2" sheets.
4. Portion of existing bent to remain as support for 4th Street OC Interim Structure. For additional information, see Br. No. 34-0153T plans.

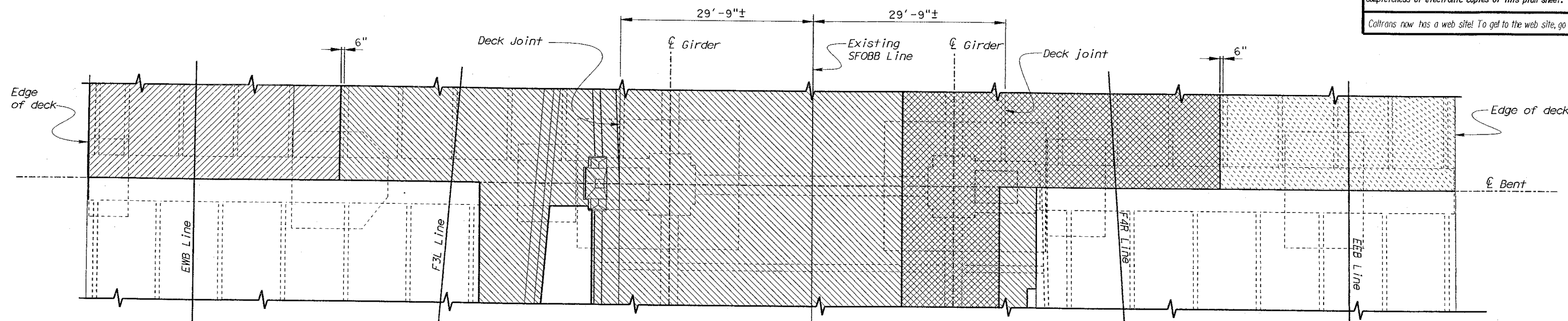


LEGEND

- Indicates Demolition Limits
- Indicates Limits of Stage 1 Bridge Removal
- Indicates Limits of Stage 2 Bridge Removal
- Indicates Limits of Stage 3 Bridge Removal
- Indicates Limits of Stage 5 Bridge Removal

DIST	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No	TOTAL SHEETS
04	SF	80	4.9/5.9	1168	1511

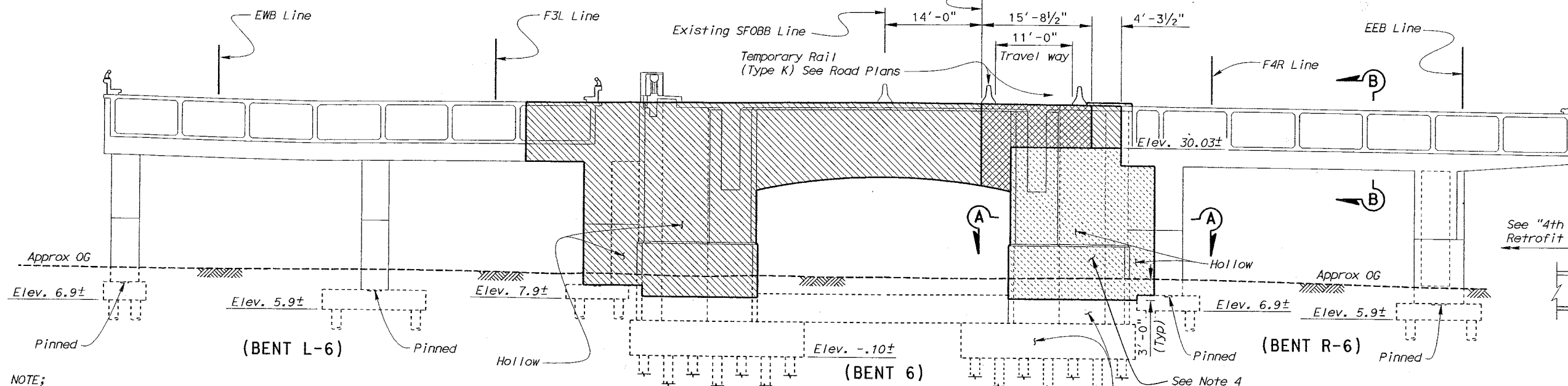
G. Setberg
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6-17-02
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PLAN

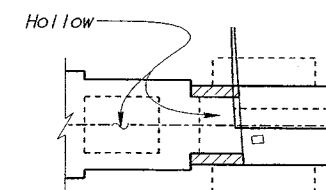
Scale: 1/8" = 1'-0"

Removal limits



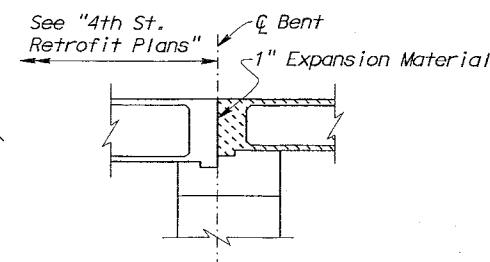
ELEVATION

Scale: 1/8" = 1'-0"



SECTION A-A

Scale: 1/8" = 1'-0"



SECTION B-B

Scale: 1/8" = 1'-0"

NOTE:
THE CONTRACTOR SHALL VERIFY ALL CONTROLLING FIELD DIMENSIONS BEFORE ORDERING OR FABRICATING ANY MATERIAL.

SFOBB - SEISMIC RETROFIT PROJECT NO. 12

SFOBB - SAN FRANCISCO APPROACH (REPLACE)

STATE OF CALIFORNIA
DEPARTMENT OF TRANSPORTATION

DIVISION OF STRUCTURES
STRUCTURE DESIGN 2

BRIDGE NO.
34-0126RL
POST MILE
5.07/5.67

MAINLINE
DEMOLITION DETAILS BENT NO. 6

STRUCTURES DESIGN DETAIL SHEET (ENGLISH) (REV. 1/1/99)

DESIGN	BY K. Bhala	CHECKED J. Zhang
DETAILS	BY FD/JK/RN/DE	CHECKED J. Zhang
QUANTITIES	BY P. Von Savoye	CHECKED K. Bhala

ORIGINAL SCALE IN INCHES FOR REDUCED PLANS

CU 04
EA 0435V1

DISREGARD PRINTS BEARING EARLIER REVISION DATES

REVISION DATES (PRELIMINARY STAGE ONLY)

10-25-00 11-24-00 12-01-01 12-01-01

SHEET 287 OF 419

FILE => amudd06.dgn

USERNAME => TPOUGHT DATE PLOTTED => 22-JUN-2002 TIME PLOTTED => 10:05

Notes:

1. All piles not shown.
2. For temporary support column details, see "Bent L7 Column Support Details", "Bent L8 Column Support Details", "Bent L7 and L8 Column Pile Details", "Bent R7 Column Support Details", and "Bent R8 Column Support Details" sheets.
3. For Bent location and details not shown see "Demolition Layout Plan No. 2" sheet.

LEGEND

- Indicates Demolition Limits
- Indicates Limits of Stage 1 Bridge Removal
- Indicates Limits of Stage 2 Bridge Removal

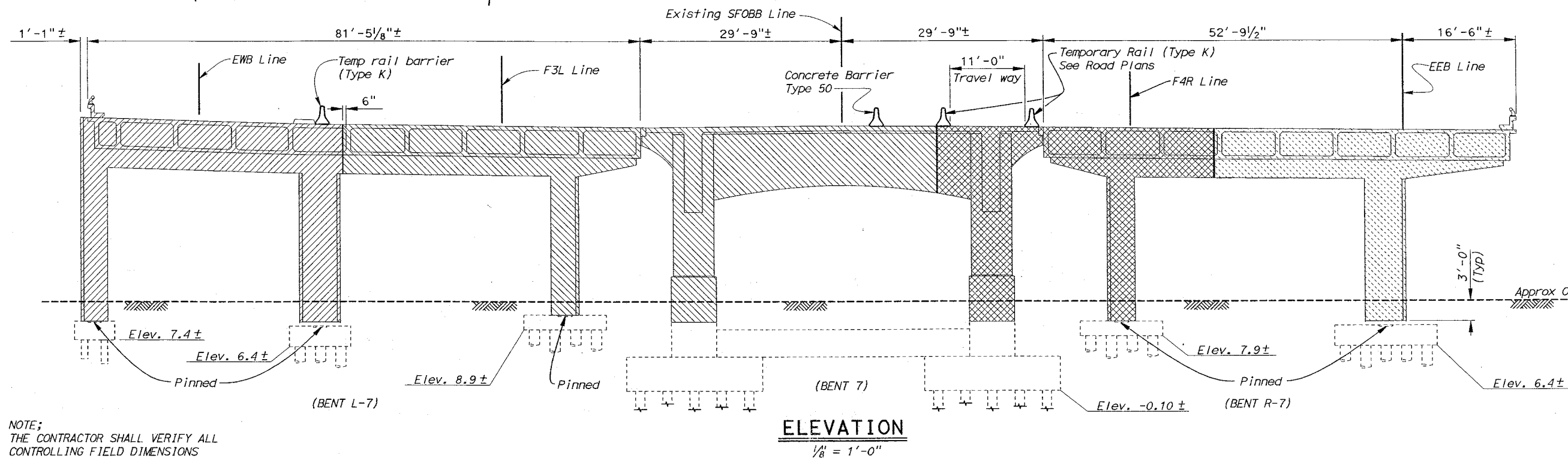
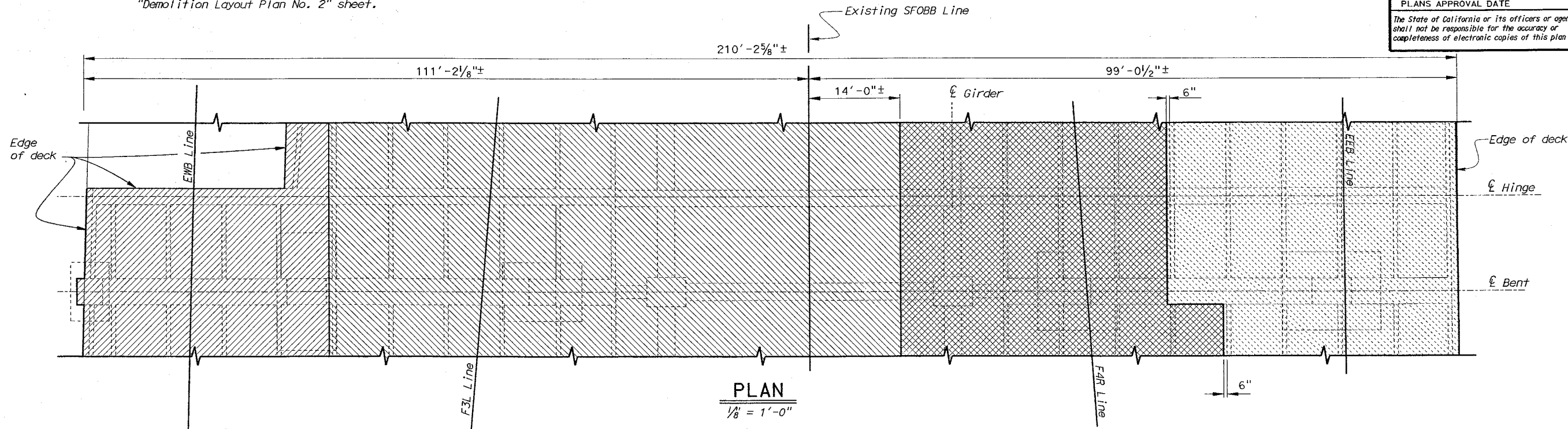
- Indicates Limits of Stage 3 Bridge Removal
- Indicates Limits of Stage 5 Bridge Removal

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DIST	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No	TOTAL SHEETS
04	SF	80	4.9/5.9	1169	1511

G. Setberg
REGISTERED CIVIL ENGINEER
12-03-01
6-17-02
PLANS APPROVAL DATE
The State of California or its officers or agents shall not be responsible for the accuracy or completeness of electronic copies of this plan sheet.

REGISTERED PROFESSIONAL ENGINEER
G. Setberg
No. 47829
Exp. 12-31-03
CIVIL
STATE OF CALIFORNIA



NOTE;
THE CONTRACTOR SHALL VERIFY ALL
CONTROLLING FIELD DIMENSIONS
BEFORE ORDERING OR FABRICATING
ANY MATERIAL.

SFOBB - SEISMIC RETROFIT PROJECT NO. 12

SFOBB - SAN FRANCISCO APPROACH (REPLACE)

DESIGN	BY K. Bhalu	CHECKED J. Zhang
DETAILS	BY FD/JK/B/DE	CHECKED J. Zhang
QUANTITIES	BY P. Van Dyke	CHECKED K. Bhalu

STATE OF
CALIFORNIA
DEPARTMENT OF TRANSPORTATION

DIVISION OF STRUCTURES
STRUCTURE DESIGN 2

BRIDGE NO.	34-0126RL
POST MILE	5.07/5.67

MAINLINE
DEMOLITION DETAILS BENT NO. 7

STRUCTURES DESIGN DETAIL SHEET (ENGLISH) (REV. 1/1/99)

ORIGINAL SCALE IN INCHES
FOR REDUCED PLANS

CU 04
EA 0435V1

DISREGARD PRINTS BEARING
EARLIER REVISION DATES

REVISION DATES (PRELIMINARY STAGE ONLY)

11-02-00 11-17-00 12-03-01 1-22-01

SHEET 288 OF 419

FILE => amudd07.dgn

USERNAME => TJOI0001 DATE PLOTTED => 22-JUN-2002 TIME PLOTTED => 10:10

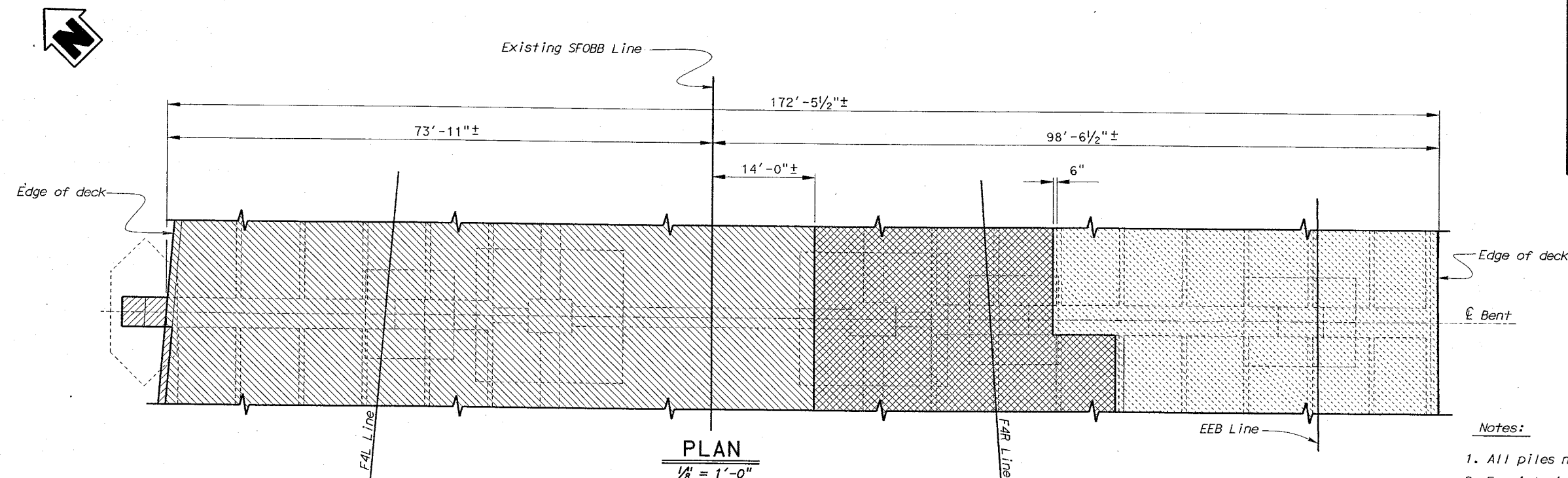
DIST	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No	TOTAL SHEETS
04	SF	80	4.9/5.9	1170	1511

G. Setberg
REGISTERED CIVIL ENGINEER
12-03-01
6-17-02
PLANS APPROVAL DATE

G. Setberg
No. 47829
Exp. 12-31-03
CIVIL
STATE OF CALIFORNIA

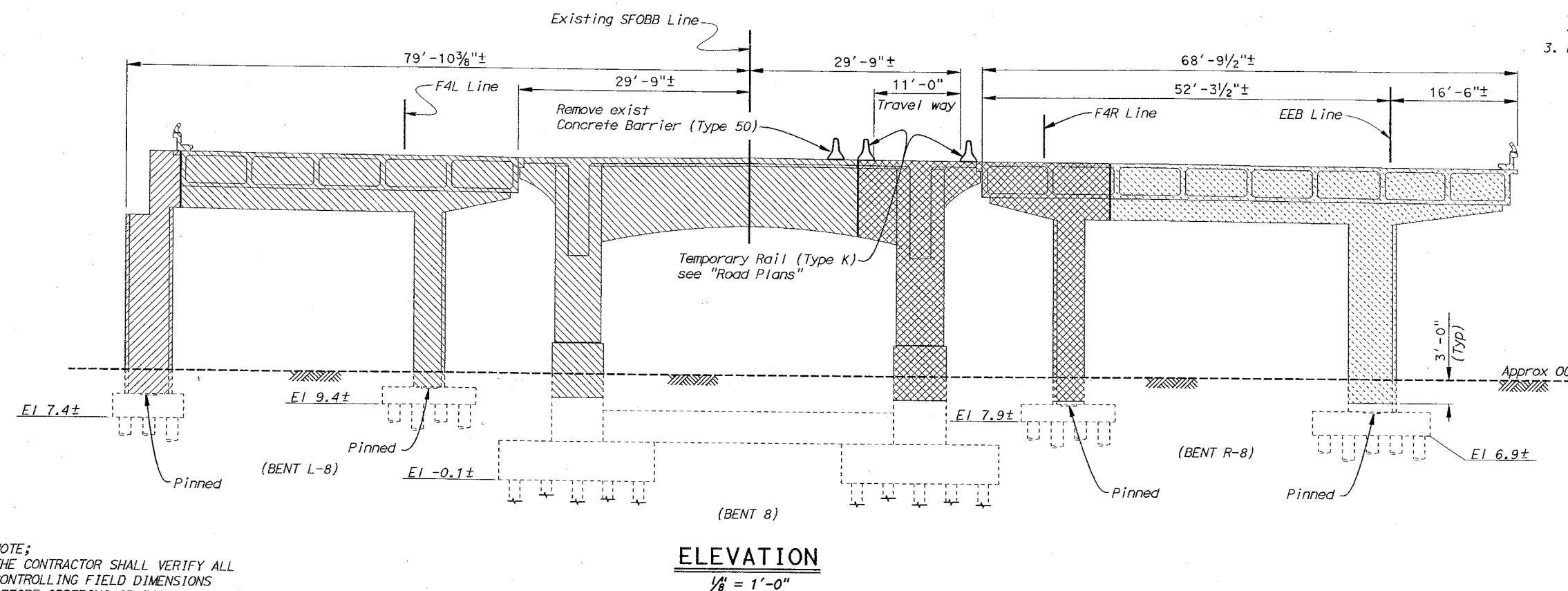
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- LEGEND**
- Indicates Demolition Limits
 - ▨ Indicates Limits of Stage 1 Bridge Removal
 - ▩ Indicates Limits of Stage 2 Bridge Removal
 - ▧ Indicates Limits of Stage 3 Bridge Removal
 - ▦ Indicates Limits of Stage 5 Bridge Removal

- Notes:**
1. All piles not shown.
 2. For interim support column details, see "Bent L7 Column Support Details", "Bent L8 Column Support Details", "Bent L7 and L8 Column Pile Details", "Bent R7 Column Support Details", and "Bent R8 Column Support Details" sheets.
 3. For Bent location and details not shown see "Demolition Layout Plan No. 2" sheet.



NOTE:
THE CONTRACTOR SHALL VERIFY ALL CONTROLLING FIELD DIMENSIONS BEFORE ORDERING OR FABRICATING ANY MATERIAL.

SFOB - SEISMIC RETROFIT PROJECT NO. 12			SFOB - SAN FRANCISCO APPROACH (REPLACE)		
STATE OF CALIFORNIA			MAINLINE		
DIVISION OF STRUCTURES			DEMOLITION DETAILS BENT NO. 8		
STRUCTURE DESIGN 2					
BRIDGE NO.					
34-0126RL					
POST MILE					
5.07/5.67					

STRUCTURES DESIGN DETAIL SHEET (ENGLISH) (REV. 1/1/99)

DESIGN	BY K. Bhala	CHECKED J. Zhang
DETAILS	BY FD/JK/RN/DE	CHECKED J. Zhang
QUANTITIES	BY P. Von Savoye	CHECKED K. Bhala

ORIGINAL SCALE IN INCHES FOR REDUCED PLANS

CU 04
EA 0435V1

FILE => amudd08.dgn

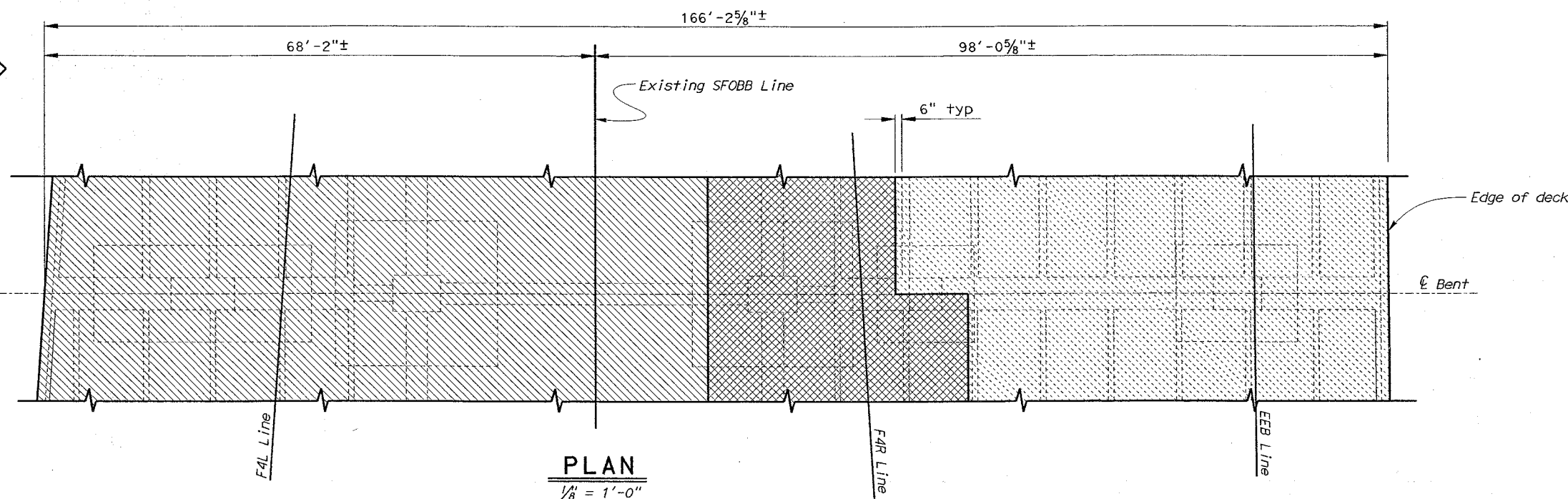
DISREGARD PRINTS BEARING EARLIER REVISION DATES

REVISION DATES (PRELIMINARY STAGE ONLY)

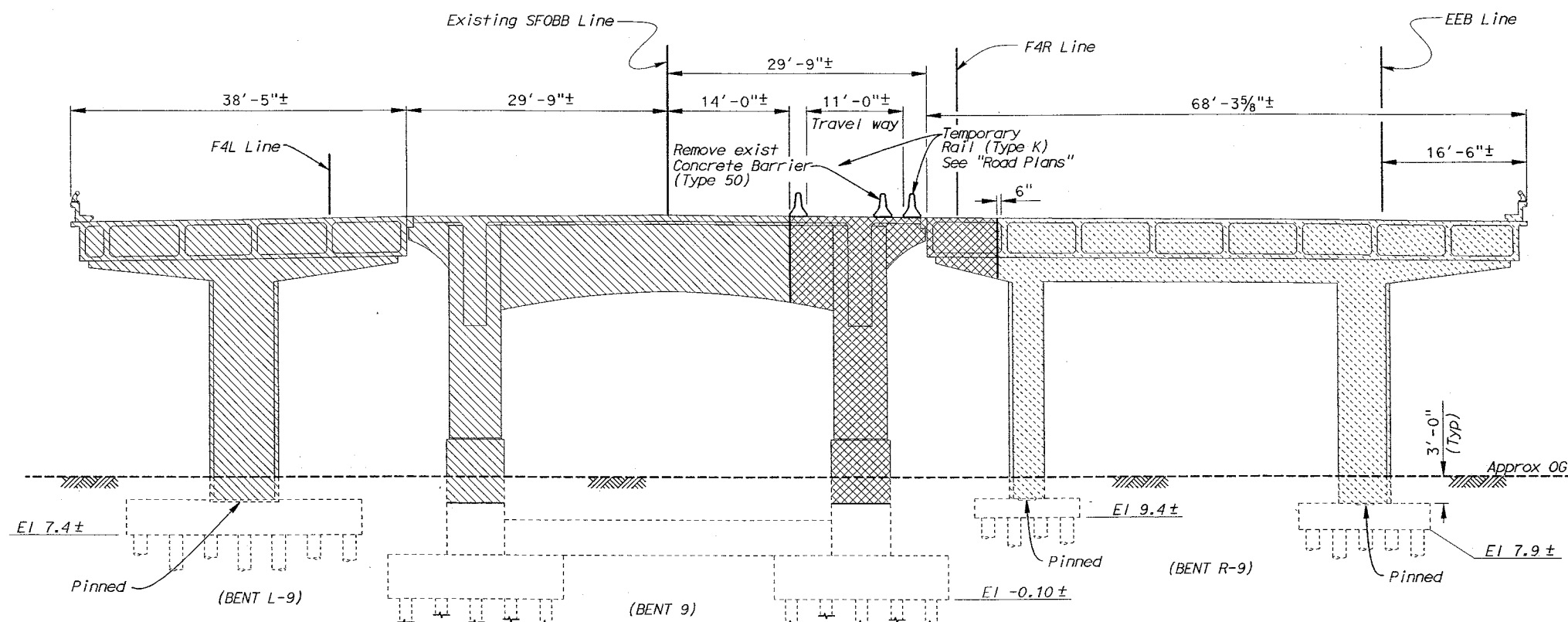
11-2000 11-24-00 1-21-01

SHEET 289 OF 419

USERNAME => TROLOUGH DATE PLOTTED => 22-JUN-2002 TIME PLOTTED => 10:12



PLAN
1/8" = 1'-0"



ELEVATION
1/8" = 1'-0"

NOTE:
THE CONTRACTOR SHALL VERIFY ALL
CONTROLLING FIELD DIMENSIONS
BEFORE ORDERING OR FABRICATING
ANY MATERIAL.

DIST	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET NO.	TOTAL SHEETS
04	SF	80	4.9/5.9	1171	1511

G. Setberg
REGISTERED CIVIL ENGINEER
12-03-01
6-17-02
PLANS APPROVAL DATE
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LEGEND

- Indicates Demolition Limits
- Indicates Limits of Stage 2 Bridge Removal
- Indicates Limits of Stage 3 Bridge Removal
- Indicates Limits of Stage 5 Bridge Removal

Notes:

- All piles not shown.
- For Bent location and details not shown see "Demolition Layout Plan No. 2" sheet.

SFOB - SEISMIC RETROFIT PROJECT NO. 12

SFOB - SAN FRANCISCO APPROACH (REPLACE)

STATE OF
CALIFORNIA
DEPARTMENT OF TRANSPORTATION

DIVISION OF STRUCTURES
STRUCTURE DESIGN 2

BRIDGE NO.
34-0126RL
POST MILE
5.07/5.67

MAINLINE
DEMOLITION DETAILS BENT NO. 9

STRUCTURES DESIGN DETAIL SHEET (ENGLISH) (REV. 1/1/99)

ORIGINAL SCALE IN INCHES
FOR REDUCED PLANS

CU 04
EA 0435V1

DISREGARD PRINTS BEARING
EARLIER REVISION DATES

REVISION DATES (PRELIMINARY STAGE ONLY)

SHEET
290

OF
419

FILE => amudd09.dgn

USERNAME => PROJ001 DATE PLOTTED => 22-JUN-2002 TIME PLOTTED => 10:04

DIST	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No	TOTAL SHEETS
04	SF	80	4.9/5.9	1172	1511

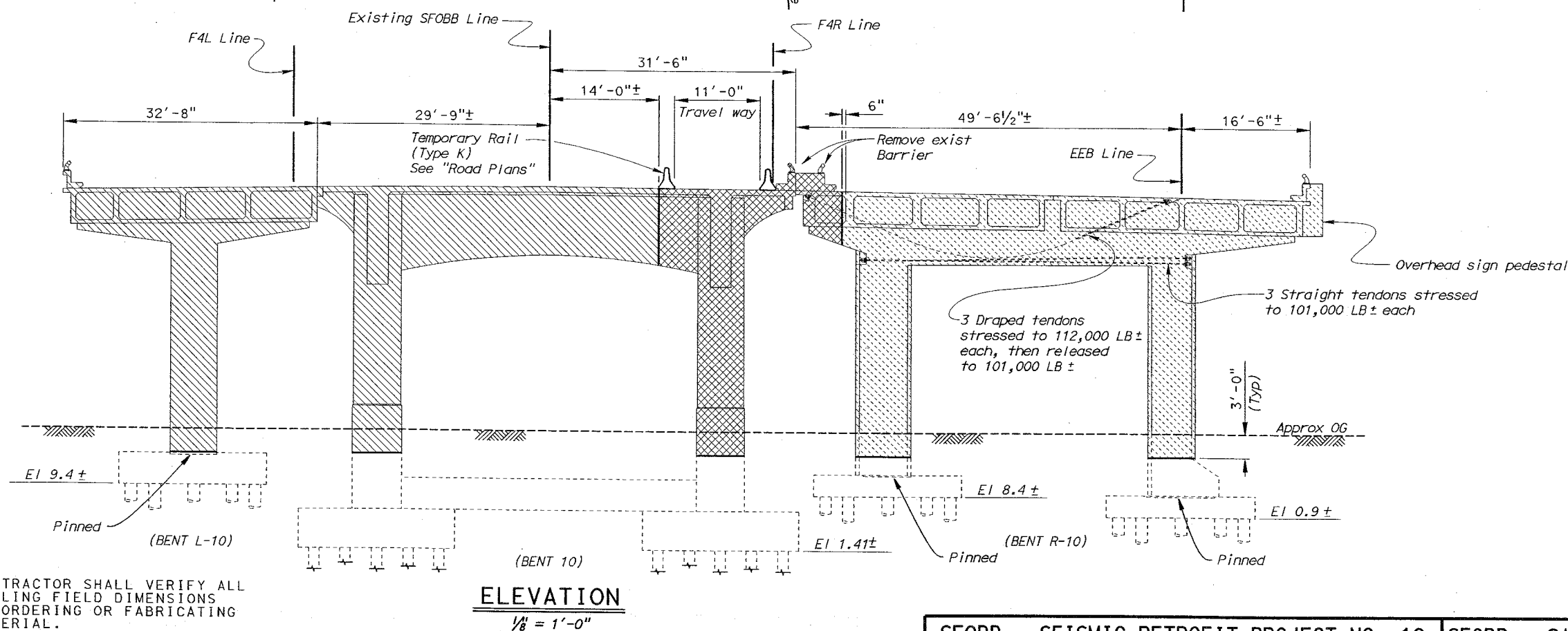
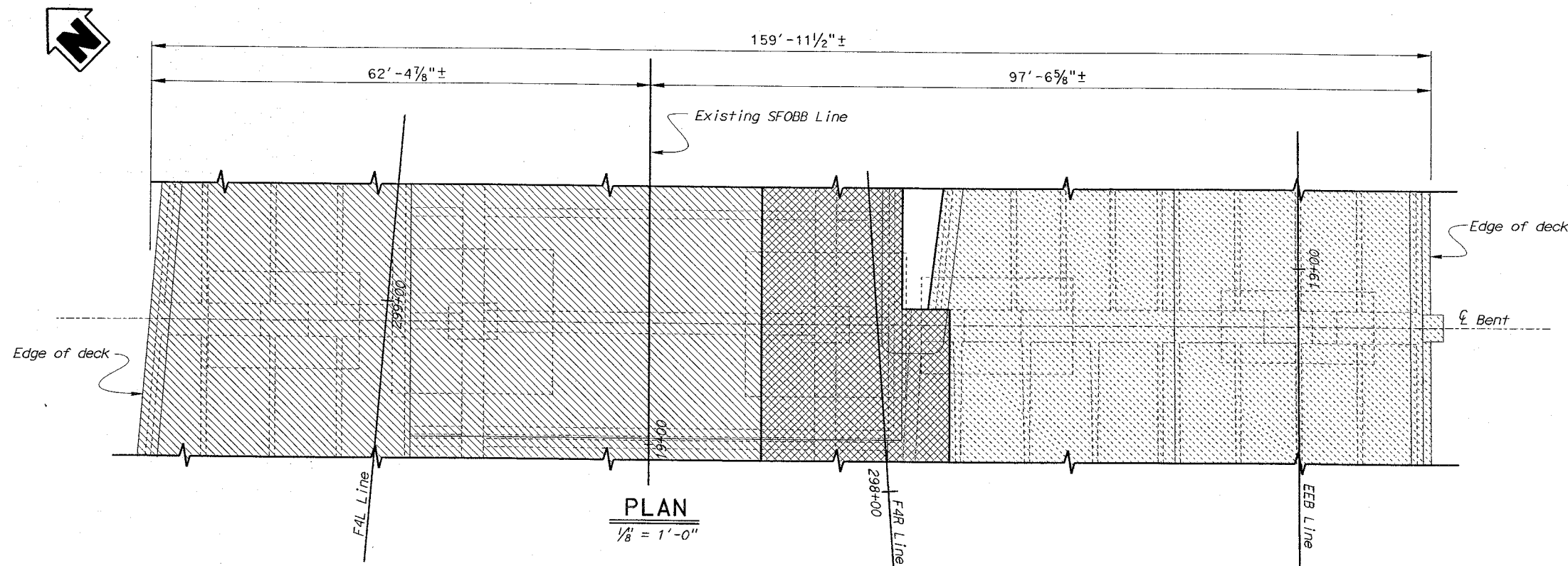
G. Setberg
REGISTERED CIVIL ENGINEER
12-03-01
6-17-02
PLANS APPROVAL DATE
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LEGEND

- Indicates Demolition Limits
- ▨ Indicates Limits of Stage 2 Bridge Removal
- ▩ Indicates Limits of Stage 3 Bridge Removal
- ▧ Indicates Limits of Stage 5 Bridge Removal

Notes:

- All piles not shown.
- For Bent location and details not shown see "Demolition Layout Plan No. 2" sheet.



NOTE:
THE CONTRACTOR SHALL VERIFY ALL CONTROLLING FIELD DIMENSIONS BEFORE ORDERING OR FABRICATING ANY MATERIAL.

SFOBB - SEISMIC RETROFIT PROJECT NO. 12			SFOBB - SAN FRANCISCO APPROACH (REPLACE)		
STATE OF CALIFORNIA			MAINLINE		
DIVISION OF STRUCTURES			DEMOLITION DETAILS BENT NO. 10		
STRUCTURE DESIGN 2					
BRIDGE NO. 34-0126RL					
POST MILE 5.07/5.67					
CU 04 EA 0435V1					
DISREGARD PRINTS BEARING EARLIER REVISION DATES					
REVISION DATES (PRELIMINARY STAGE ONLY)					
11-14-00 11-15-00 4-30-01 7-22-01					
SHEET 291			OF 419		

DIST	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No	TOTAL SHEETS
04	SF	80	4.9/5.9	1174	1511

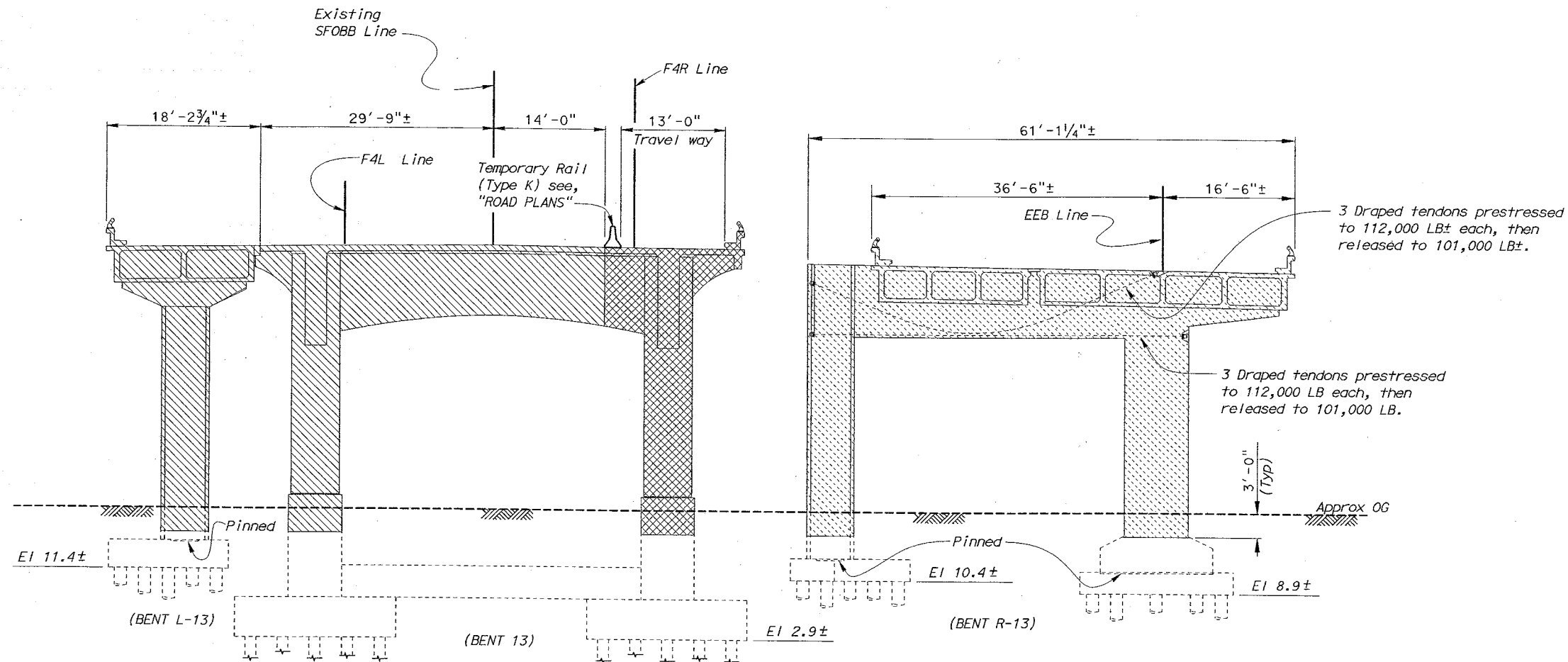
G. Setberg
REGISTERED CIVIL ENGINEER
12-03-01
6-17-02
PLANS APPROVAL DATE

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LEGEND

- Indicates Demolition Limits
- ▨ Indicates Limits of Stage 2 Bridge Removal
- ▩ Indicates Limits of Stage 3 Bridge Removal
- ▧ Indicates Limits of Stage 5 Bridge Removal



ELEVATION

1/8" = 1'-0"

Notes:

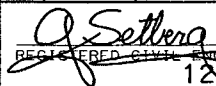
1. All piles not shown. Bent 15 not on piles.
2. Bent 13 shown, Bents 14, & 15 similar.
3. For bent locations and details not shown, see "Demolition Layout Plan No. 2 and No. 3" sheets.

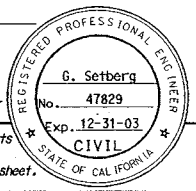
NOTE;
THE CONTRACTOR SHALL VERIFY ALL CONTROLLING FIELD DIMENSIONS BEFORE ORDERING OR FABRICATING ANY MATERIAL.

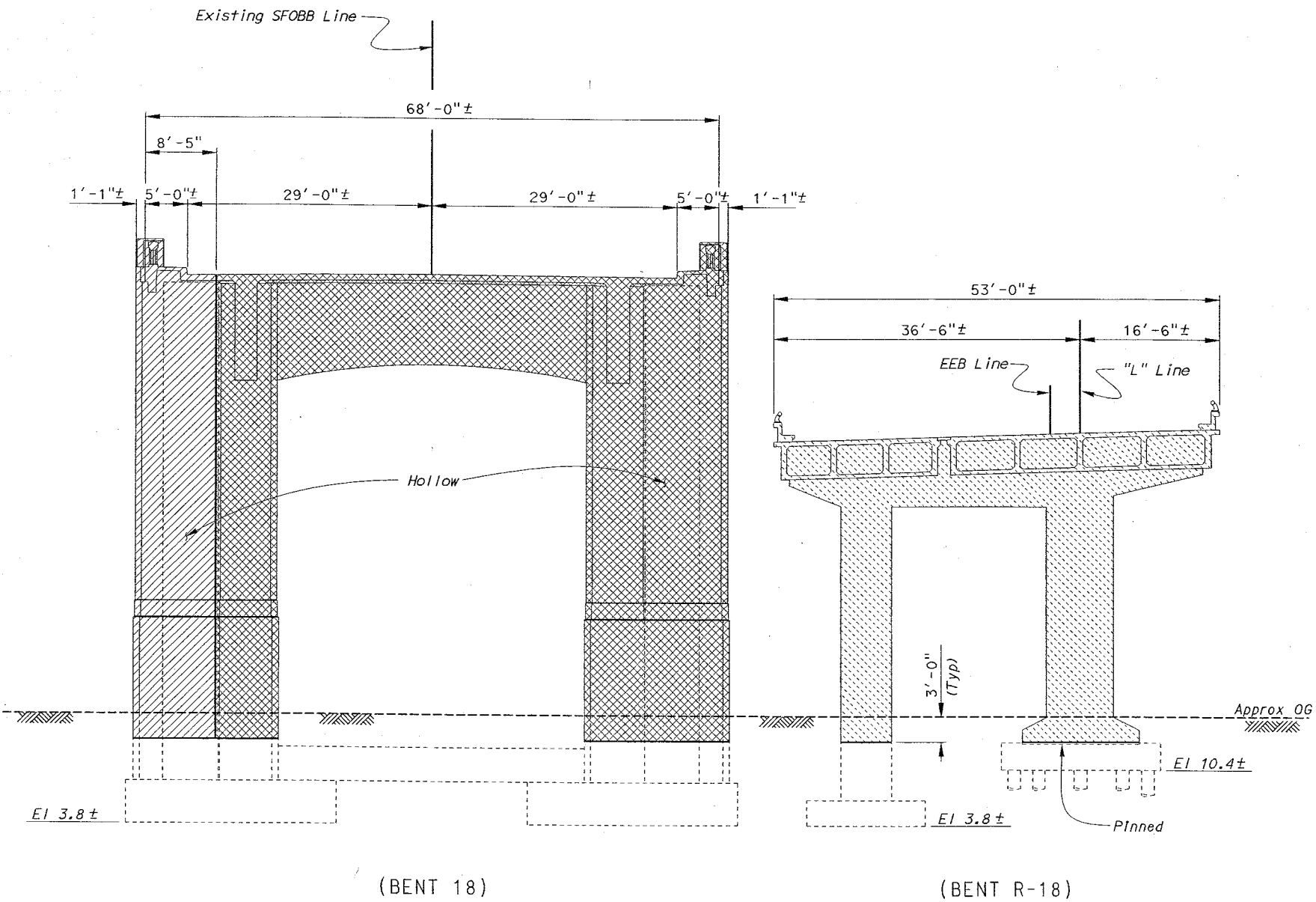
STRUCTURES DESIGN DETAIL SHEET (ENGLISH) (REV. 1/1/99)				SFOB - SEISMIC RETROFIT PROJECT NO. 12				SFOB - SAN FRANCISCO APPROACH (REPLACE)			
DESIGN		BY K. Bhala	CHECKED J. Zhang	STATE OF CALIFORNIA		DIVISION OF STRUCTURES		BRIDGE NO. 34-0126RL		MAINLINE	
DETAILS		BY FD/JK/RN/DE	CHECKED J. Zhang	DEPARTMENT OF TRANSPORTATION		STRUCTURE DESIGN 2		POST MILE 5.07/5.67		DEMOLITION DETAILS BENTS NO.13,14 AND 15	
QUANTITIES		BY D. Abellon	CHECKED K. Bhala	CU 04		EA 0435V1		DISREGARD PRINTS BEARING EARLIER REVISION DATES		REVISION DATES (PRELIMINARY STAGE ONLY)	
ORIGINAL SCALE IN INCHES FOR REDUCED PLANS				0 1 2 3		FILE => amudd13.dgn		11-00 11-00 5-01		SHEET 293 OF 419	

TIME PLOTTED => 12:08
USERNAME => rtpierce DATE PLOTTED => 22-JUN-2002

DIST	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
04	SF	80	4.9/5.9	1176	1511


REGISTERED CIVIL ENGINEER
12-03-01
6-17-02
PLANS APPROVAL DATE
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- LEGEND**
- Indicates Demolition Limits
 - ▨ Indicates Limits of Stage 1 Bridge Removal
 - ▩ Indicates Limits of Stage 3 Bridge Removal
 - ▧ Indicates Limits of Stage 5 Bridge Removal
- Notes:**
1. All piles not shown.
 2. For bent locations and details not shown, see "Demolition Layout Plan No. 3" sheet.

ELEVATION
1/8" = 1'-0"

NOTE:
THE CONTRACTOR SHALL VERIFY ALL
CONTROLLING FIELD DIMENSIONS
BEFORE ORDERING OR FABRICATING
ANY MATERIAL.

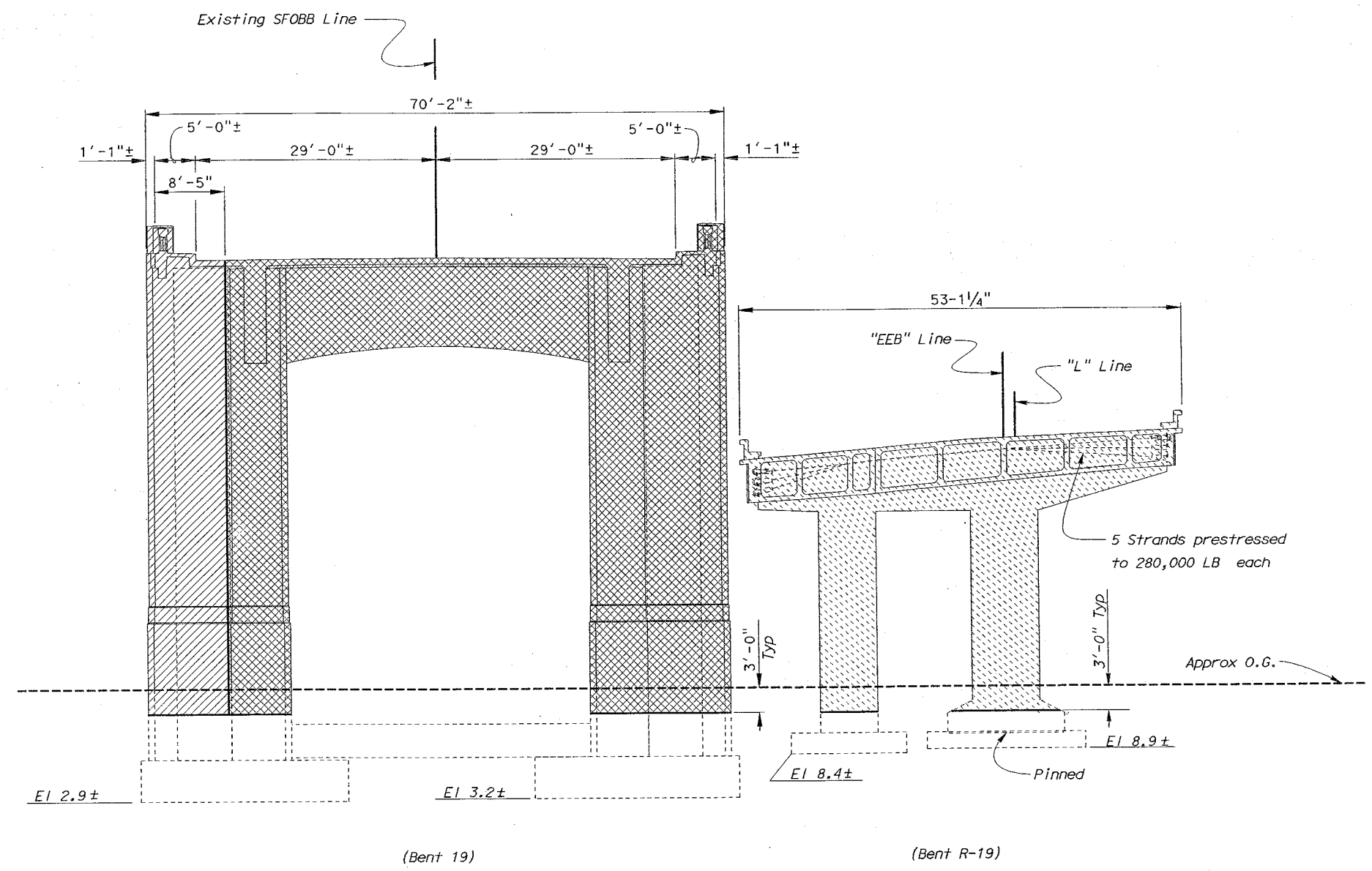
ANY MATERIAL.				SFOBB - SEISMIC RETROFIT PROJECT NO. 12				SFOBB - SAN FRANCISCO APPROACH (REPLACE)					
	DESIGN	BY K. Bhalra	CHECKED J. Zhang	STATE OF CALIFORNIA DEPARTMENT OF TRANSPORTATION	DIVISION OF STRUCTURES STRUCTURE DESIGN 2	BRIDGE NO.	MAINLINE						
	DETAILS	BY FD/JK/RN/DE	CHECKED J. Zhang			34-0126RL	DEMOLITION DETAILS BENT NO. 18						
	QUANTITIES	BY P. Van Savoye	CHECKED K. Bhalra			POST MILE 5.07/5.67							
STRUCTURES DESIGN DETAIL SHEET (ENGLISH) (REV. 1/1/99)				ORIGINAL SCALE IN INCHES FOR REDUCED PLANS		CU 04 EA 0435V1		DISREGARD PRINTS BEARING EARLIER REVISION DATES		REVISION DATES (PRELIMINARY STAGE ONLY)		SHEET	OF
				0 1 2 3		FILE => amudd18.dgn		11-29-00 11-29-00 5-10-01				295	419

DIST	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET NO	TOTAL SHEETS
04	SF	80	4.9/5.9	1177	1511

G. Setberg
 REGISTERED CIVIL ENGINEER
 12-03-01
 6-17-02
 PLANS APPROVAL DATE

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- LEGEND**
- Indicates Demolition Limits
 - ▨ Indicates Limits of Stage 1 Bridge Removal
 - ▩ Indicates Limits of Stage 3 Bridge Removal
 - ▧ Indicates Limits of Stage 5 Bridge Removal

Note:

- For bent locations and details not shown, see "Demolition Layout Plan No. 3" sheet.

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

NOTE:
THE CONTRACTOR SHALL VERIFY ALL CONTROLLING FIELD DIMENSIONS BEFORE ORDERING OR FABRICATING ANY MATERIAL.

BEFORE ORDERING OR FABRICATING ANY MATERIAL.				SFOBB - SEISMIC RETROFIT PROJECT NO. 12				SFOBB - SAN FRANCISCO APPROACH (REPLACE)							
				DESIGN	BY K. Bhala	CHECKED J. Zhang	STATE OF CALIFORNIA		BRIDGE NO. 34-0126RL		MAINLINE				
				DETAILS	BY FD/JK/RN/DE	CHECKED J. Zhang	DIVISION OF STRUCTURES		POST MILE 5.07/5.67		DEMOLITION DETAILS BENT NO. 19				
				QUANTITIES	BY P. Von Savoye	CHECKED K. Bhala	STRUCTURE DESIGN 2								
STRUCTURES DESIGN DETAIL SHEET (ENGLISH) (REV. 1/1/99)				ORIGINAL SCALE IN INCHES FOR REDUCED PLANS				CU 04 EA 0435V1		DISREGARD PRINTS BEARING EARLIER REVISION DATES		REVISION DATES (PRELIMINARY STAGE ONLY)		SHEET 296	OF 419
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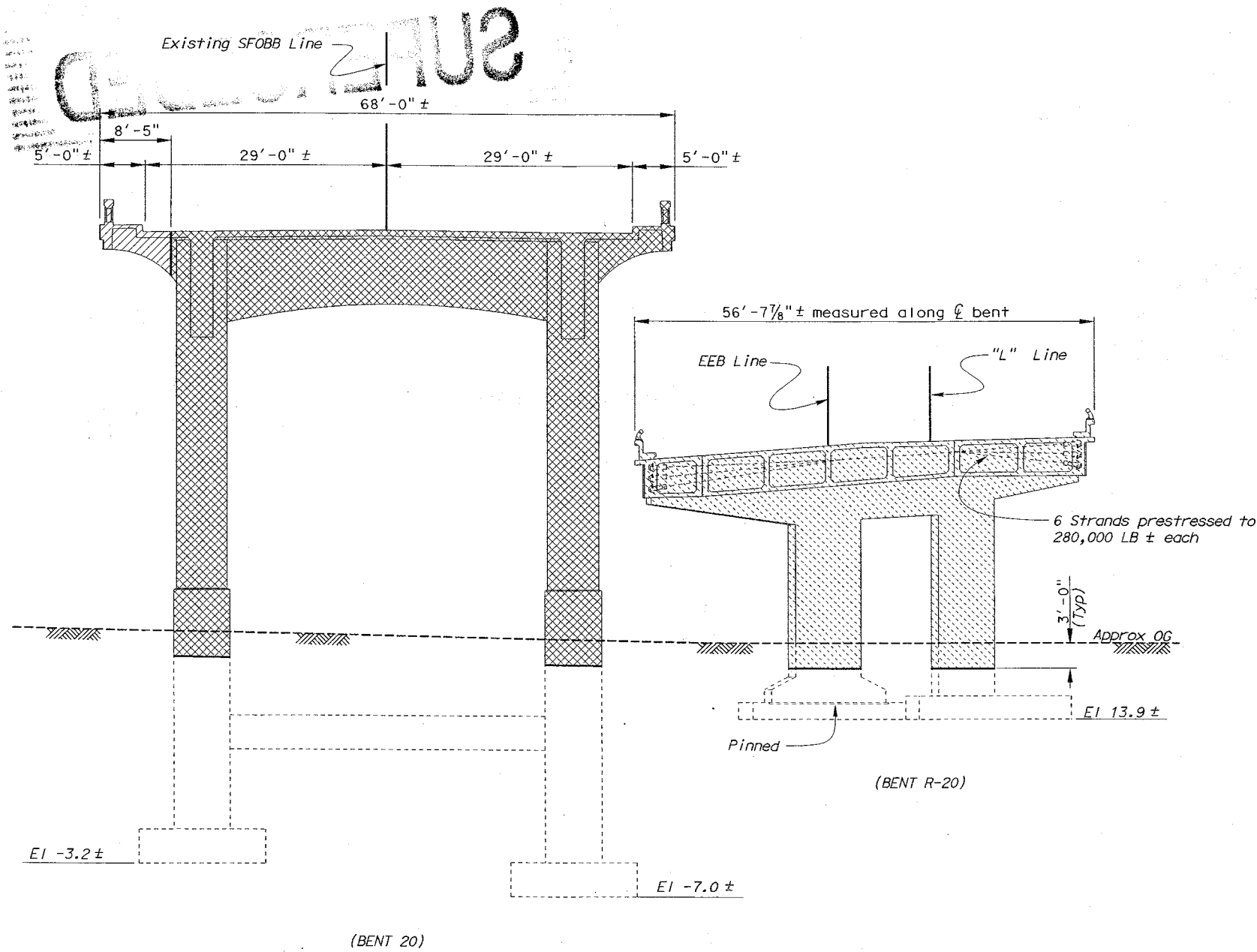
DIST	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No	TOTAL SHEETS
04	SF	80	4.9/5.9	1178	1511

G. Setberg
REGISTERED CIVIL ENGINEER
12-03-01
6-17-02
PLANS APPROVAL DATE

REGISTERED PROFESSIONAL ENGINEER
G. Setberg
No. 47829
Exp. 12-31-03
CIVIL
STATE OF CALIFORNIA

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LEGEND

- Indicates Demolition Limits
- ▨ Indicates Limits of Stage 1 Bridge Removal
- ▩ Indicates Limits of Stage 3 Bridge Removal
- ▧ Indicates Limits of Stage 5 Bridge Removal

Notes:

1. For bent locations and details not shown, see "Demolition Layout Plan No. 3" sheet.

ELEVATION
1/8" = 1'-0"

NOTE:
THE CONTRACTOR SHALL VERIFY ALL
CONTROLLING FIELD DIMENSIONS
BEFORE ORDERING OR FABRICATING
ANY MATERIAL.

			DESIGN	BY K. Bhala	CHECKED J. Zhang	STATE OF CALIFORNIA DEPARTMENT OF TRANSPORTATION	DIVISION OF STRUCTURES STRUCTURE DESIGN 2	BRIDGE NO.	MAINLINE																			
			DETAILS	BY FD/JK/RN/DE	CHECKED J. Zhang			34-0126RL	DEMOLITION DETAILS BENT NO.20																			
			QUANTITIES	BY P. Van Savoye	CHECKED K. Bhala			POST MILE																				
								5.07/5.67																				
STRUCTURES DESIGN DETAIL SHEET (ENGLISH) (REV. 1/1/99)													ORIGINAL SCALE IN INCHES FOR REDUCED PLANS			CU 04 EA 0435V1			DISREGARD PRINTS BEARING EARLIER REVISION DATES			REVISION DATES (PRELIMINARY STAGE ONLY)			SHEET 297		OF 419	
													0 1 2 3															

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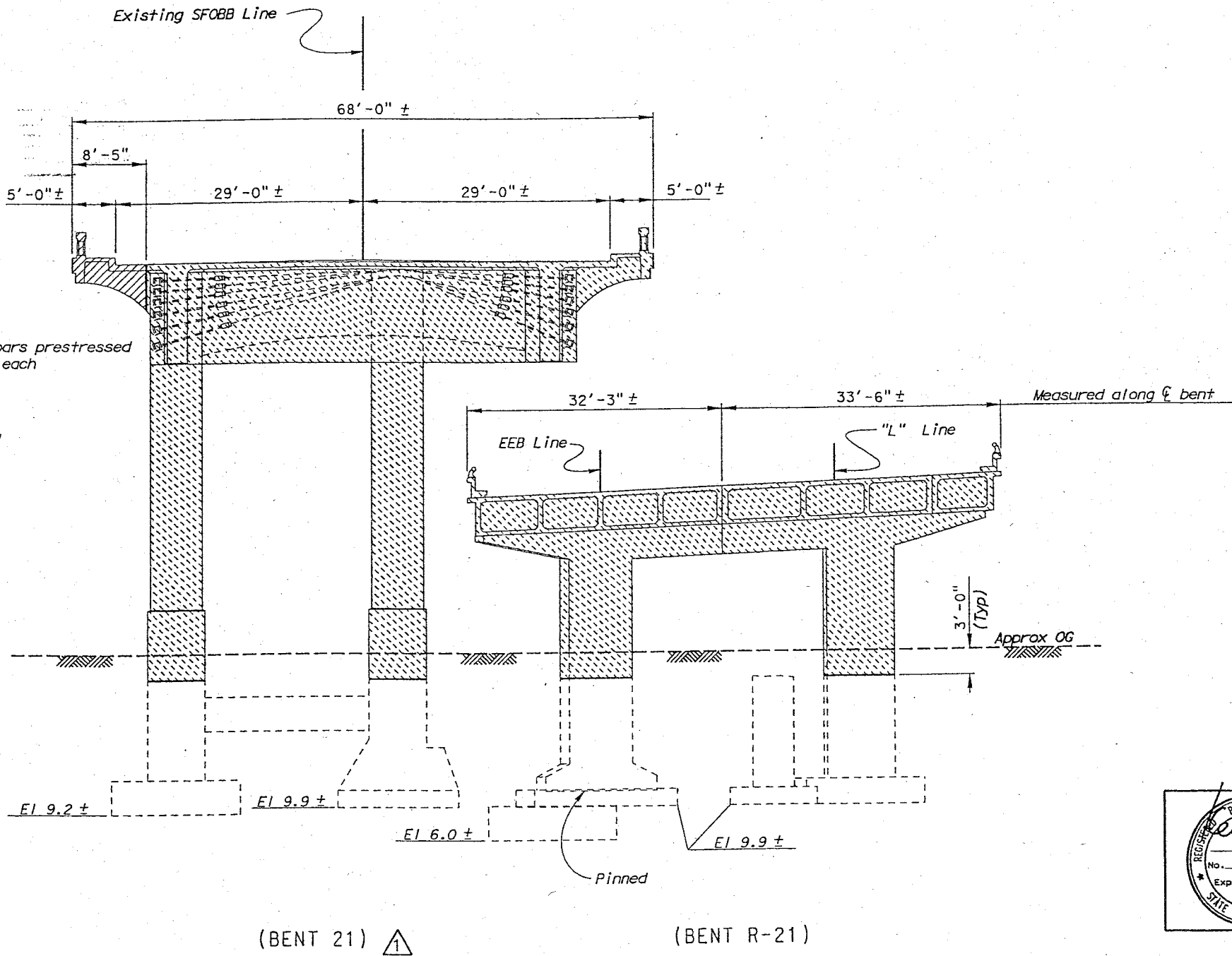
USERNAME => TPDIENCE DATE PLOTTED => 22-JUN-2002 TIME PLOTTED => 12:10

LEGEND

- Indicates Demolition Limits
- ▨ Indicates Limits of Stage I Bridge Removal
- ▨ Indicates Limits of Stage 5 Bridge Removal

Notes:

- All piles not shown.
- For bent locations and details not shown, see "Demolition Layout Plan No. 3", "Demolition Layout Plan No. 4" and "Demolition Layout Plan No. 5" sheets.



12 Strands and bars prestressed to 251,000 LB ± each

	△				
	△				
	△				
	△				
	△	12-15-03	Details Modified		EM
	MARK DATE	DESCRIPTIONS		BY	CH'D
		REVISIONS			

CONTRACT CHANGE ORDER NO. _____
SHEET _____ OF _____

NOTE:
THE CONTRACTOR SHALL VERIFY ALL
CONTROLLING FIELD DIMENSIONS
BEFORE ORDERING OR FABRICATING
ANY MATERIAL.

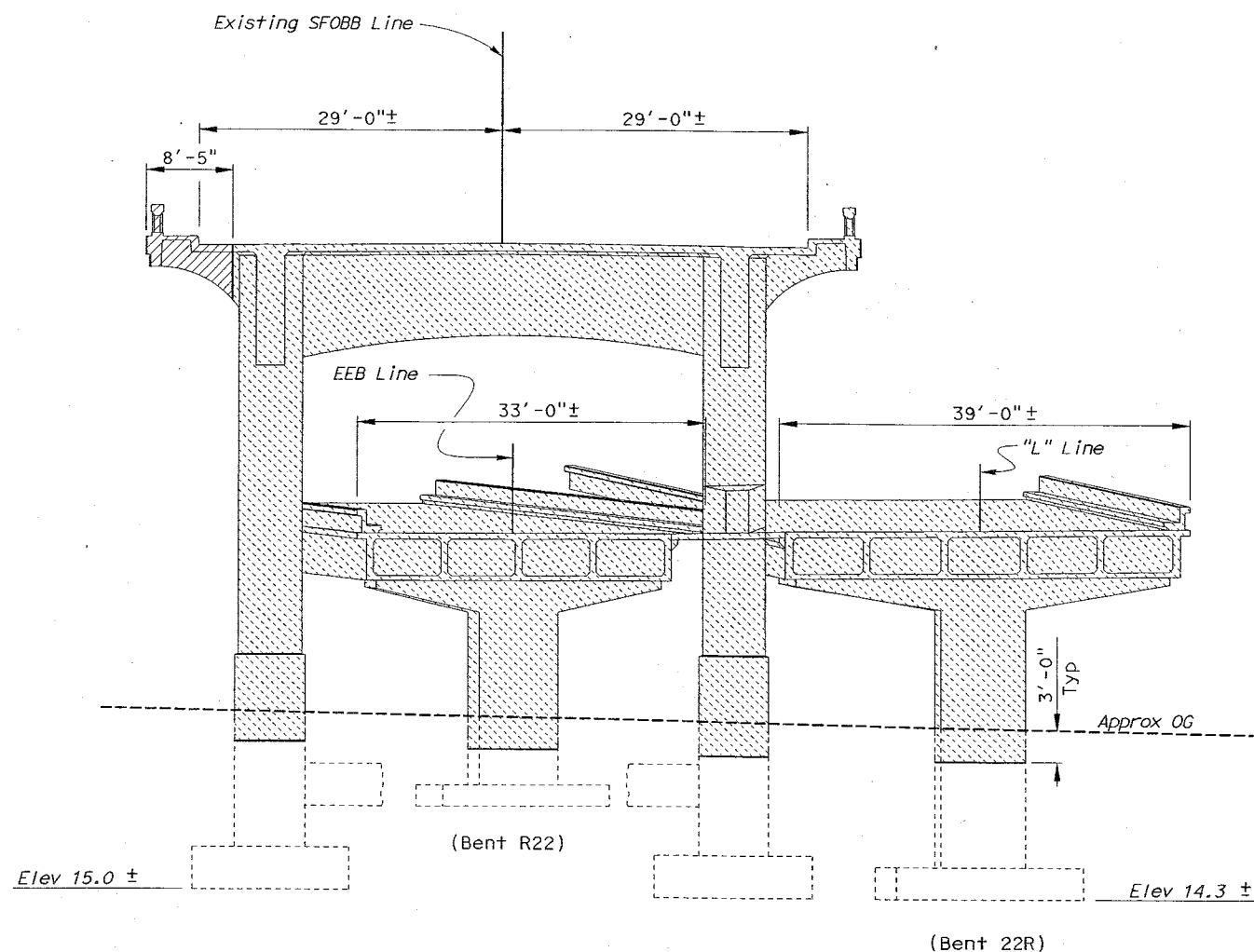
DIST	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No	TOTAL SHEETS
04	SF	80	4.9/5.9	1180	1511

G. Setberg
REGISTERED CIVIL ENGINEER
12-03-01
6-17-02
PLANS APPROVAL DATE
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REGISTERED PROFESSIONAL ENGINEER
G. Setberg
No. 47829
Exp. 12-31-03
CIVIL
STATE OF CALIFORNIA

LEGEND

- Indicates Demolition Limits
- ▨ Indicates Limits of Stage 1 Bridge Removal
- ▩ Indicates Limits of Stage 5 Bridge Removal



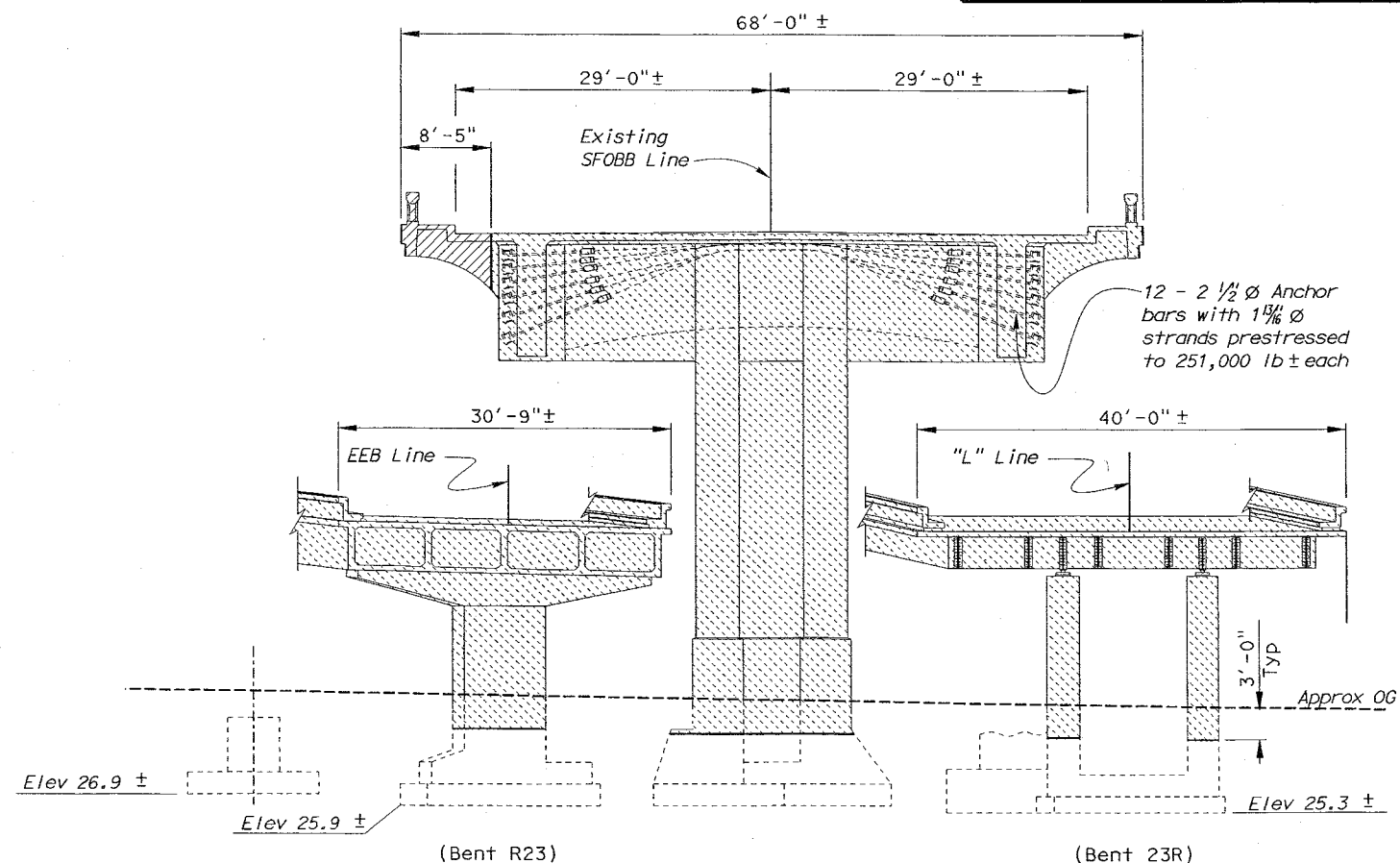
ELEVATION BENT 22

Scale: 1/8" = 1'-0"

NOTE;
THE CONTRACTOR SHALL VERIFY ALL CONTROLLING FIELD DIMENSIONS BEFORE ORDERING OR FABRICATING ANY MATERIAL.

Notes:

- For bent locations and details not shown, see "Demolition Layout Plan No. 4" and "Demolition Layout Plan No. 5" sheets.
- Dimensions given are normal to layout lines.



ELEVATION BENT 23

Scale: 1/8" = 1'-0"

SFOBB - SEISMIC RETROFIT PROJECT NO. 12

SFOBB - SAN FRANCISCO APPROACH (REPLACE)

STATE OF CALIFORNIA
DEPARTMENT OF TRANSPORTATION

DIVISION OF STRUCTURES
STRUCTURE DESIGN 2

BRIDGE NO.
34-0126RL
POST MILE
5.07/5.67

MAINLINE
DEMOLITION DETAILS BENTS NO.22 AND 23

STRUCTURES DESIGN DETAIL SHEET (ENGLISH) (REV. 1/1/99)

DESIGN	BY K. Bhala	CHECKED J. Zhang
DETAILS	BY FD/JK/RN/DE	CHECKED J. Zhang
QUANTITIES	BY P. Van Savoye	CHECKED K. Bhala

ORIGINAL SCALE IN INCHES
FOR REDUCED PLANS

0 1 2 3

CU 04
EA 0435V1

FILE => smudd22.dgn

DISREGARD PRINTS BEARING
EARLIER REVISION DATES

REVISION DATES (PRELIMINARY STAGE ONLY)

10-10-00 10-15-00 11-17-00 5-11-01 7-22-01

SHEET 299 OF 419

TIME PLOTTED => 12:11
USERNAME => rtpierce DATE PLOTTED => 22-JUN-2002

DIST	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No	TOTAL SHEETS
04	SF	80	4.9/5.9	1181	1511

G. Setberg
REGISTERED CIVIL ENGINEER
12-03-01
6-17-02
PLANS APPROVAL DATE

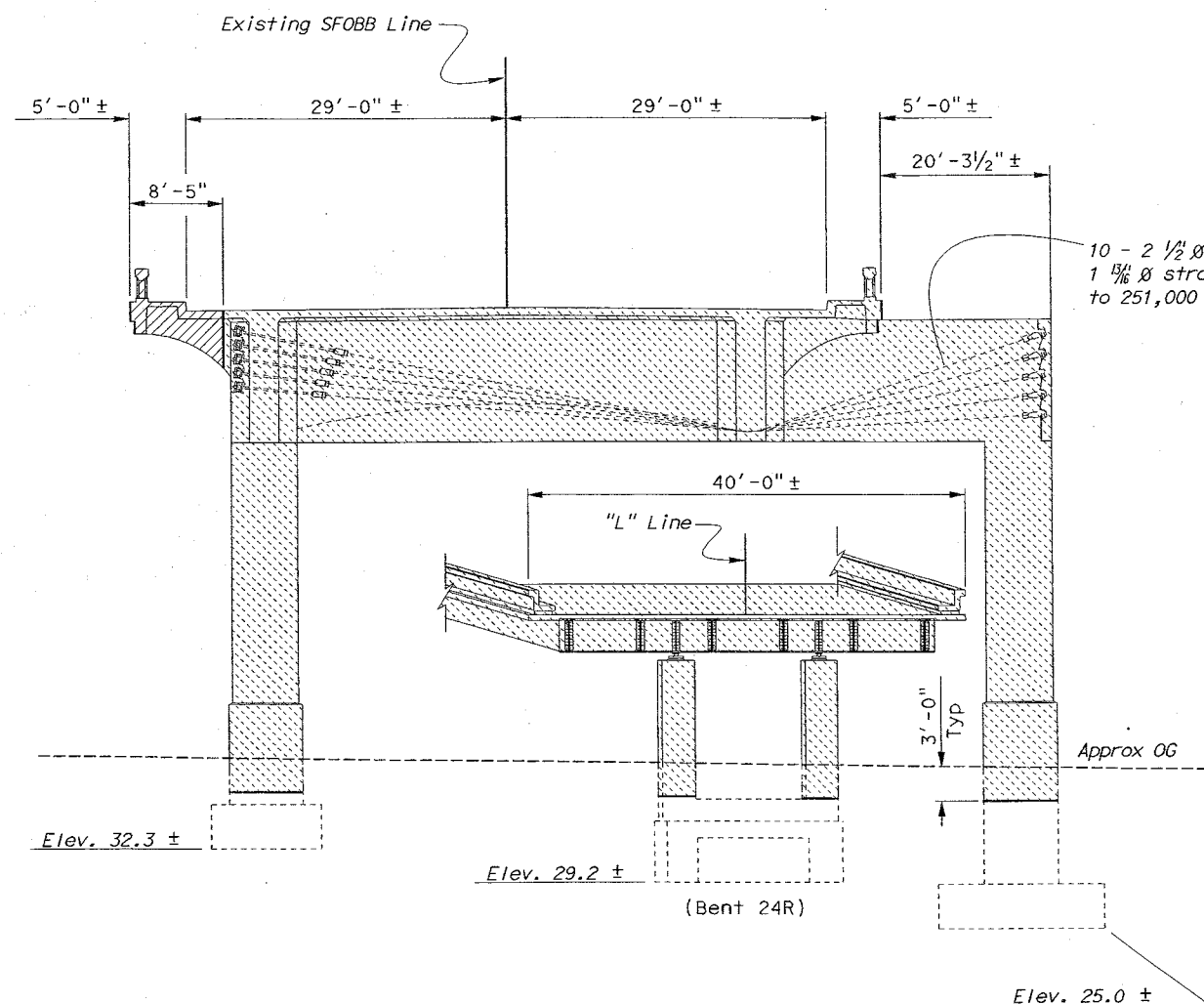
REGISTERED PROFESSIONAL ENGINEER
G. Setberg
No. 47829
Exp. 12-31-03
CIVIL
STATE OF CALIFORNIA

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LEGEND

- Indicates Demolition Limits
- ▨ Indicates Limits of Stage 1 Bridge Removal
- ▤ Indicates Limits of Stage 5 Bridge Removal



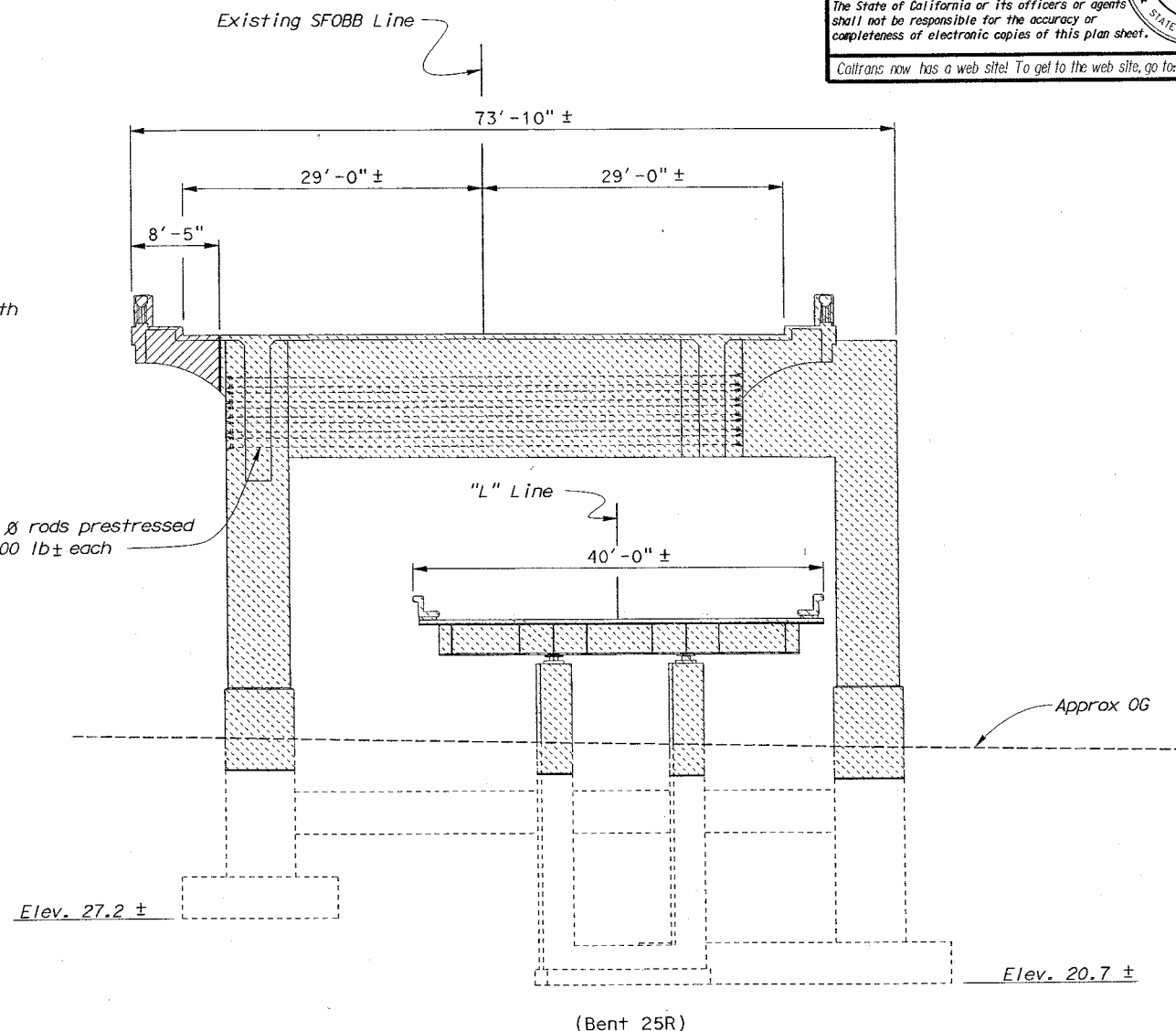
ELEVATION BENT 24

Scale 1/8" = 1'-0"

Notes:

- For bent locations and details not shown, see "Demolition Layout Plan No. 4" and "Demolition Layout Plan No. 5" sheets.
- Dimensions given are normal to layout lines

NOTE:
THE CONTRACTOR SHALL VERIFY ALL CONTROLLING FIELD DIMENSIONS BEFORE ORDERING OR FABRICATING ANY MATERIAL.



ELEVATION BENT 25

Scale 1/8" = 1'-0"

SFOBB - SEISMIC RETROFIT PROJECT NO. 12				SFOBB - SAN FRANCISCO APPROACH (REPLACE)			
STATE OF CALIFORNIA		DIVISION OF STRUCTURES		BRIDGE NO.		MAINLINE	
DEPARTMENT OF TRANSPORTATION		STRUCTURE DESIGN 2		34-0126RL		DEMOLITION DETAILS BENTS NO. 24 AND 25	
CU 04		EA 0435V1		POST MILE		5.07/5.67	
DISREGARD PRINTS BEARING EARLIER REVISION DATES				REVISION DATES (PRELIMINARY STAGE ONLY)			
ORIGINAL SCALE IN INCHES FOR REDUCED PLANS				SHEET 300 OF 419			

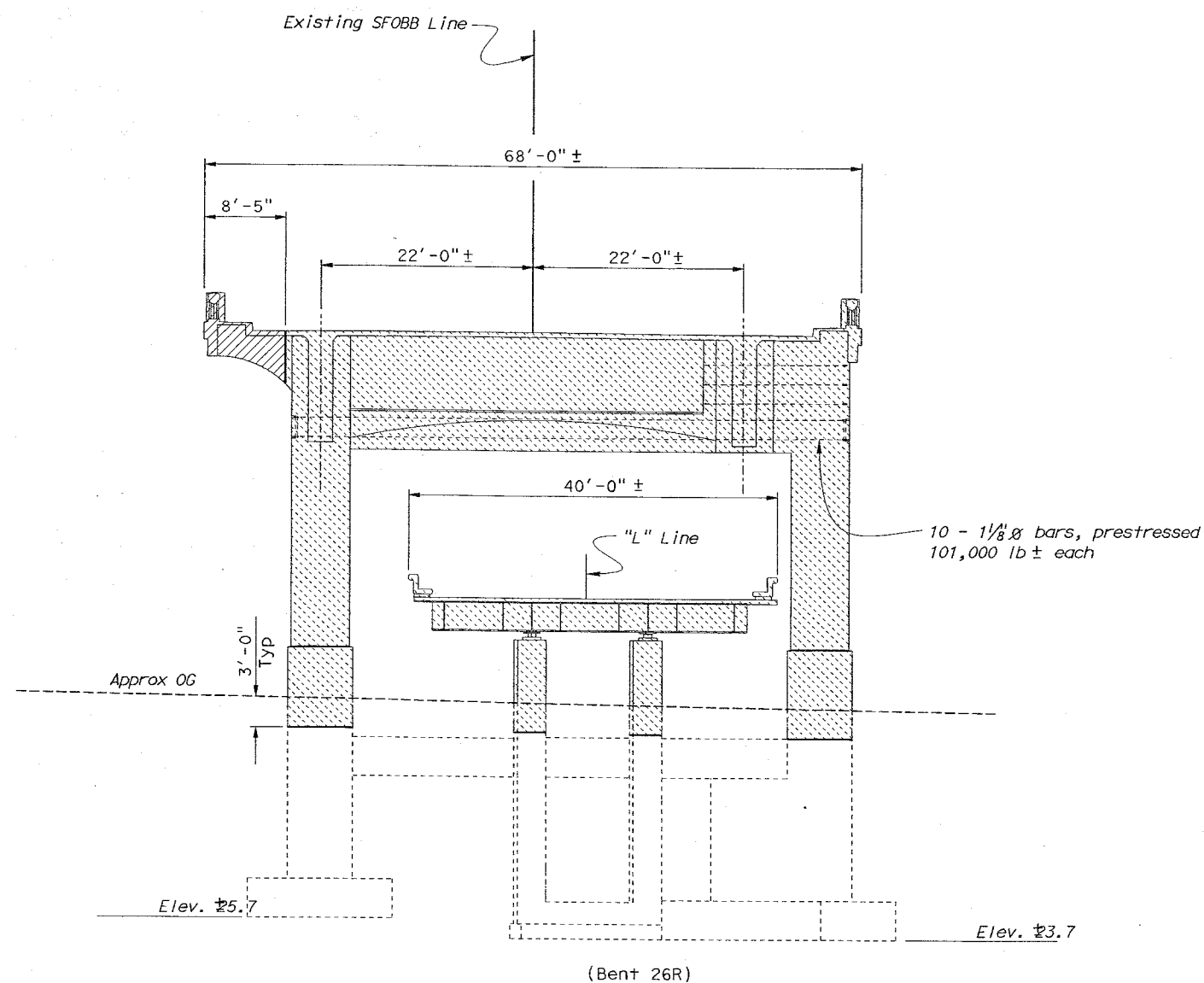
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DIST	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No	TOTAL SHEETS
04	SF	80	4.9/5.9	1182	1511

G. Setberg
 REGISTERED CIVIL ENGINEER
 12-03-01
 6-17-02
 PLANS APPROVAL DATE
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G. Setberg
 No. 47829
 Exp. 12-31-03
 CIVIL
 STATE OF CALIFORNIA

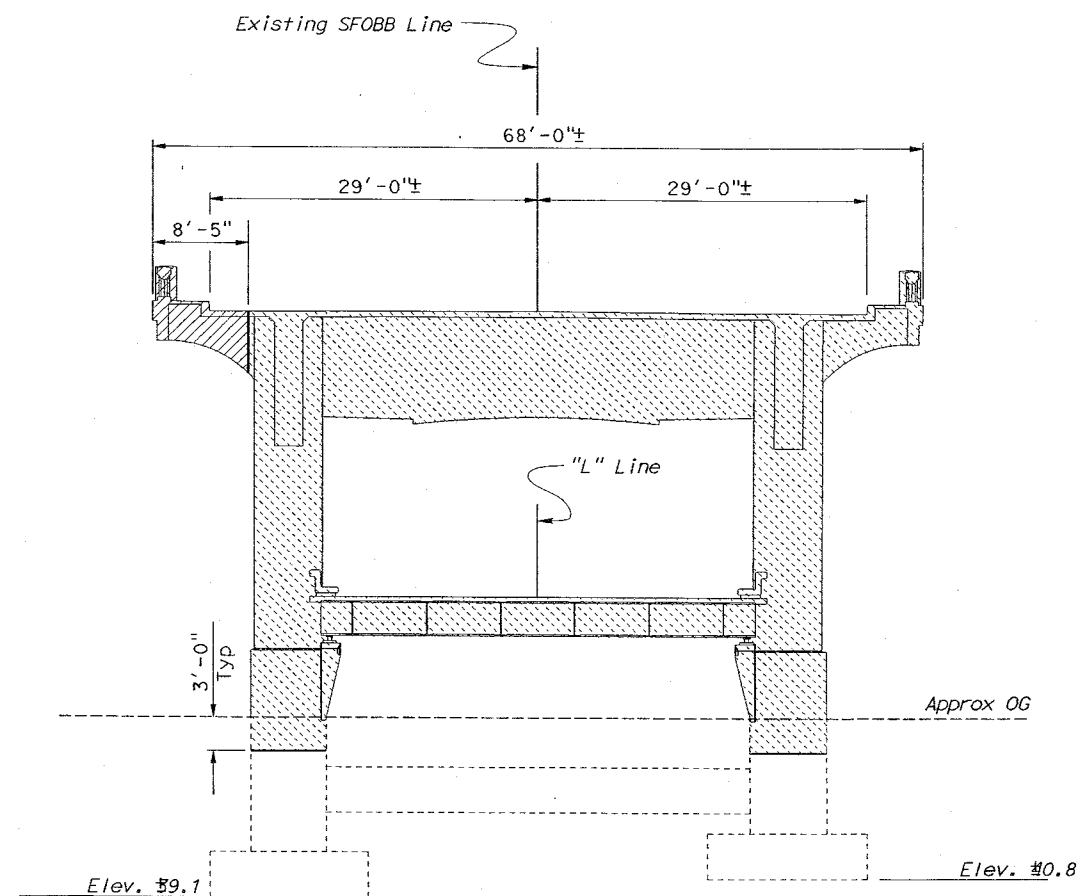
- LEGEND**
- Indicates Demolition Limits
 - ▨ Indicates Limits of Stage 1 Bridge Removal
 - ▩ Indicates Limits of Stage 5 Bridge Removal



ELEVATION BENT 26
 Scale 1/8" = 1'-0"

NOTE;
 THE CONTRACTOR SHALL VERIFY ALL
 CONTROLLING FIELD DIMENSIONS
 BEFORE ORDERING OR FABRICATING
 ANY MATERIAL.

- Note:
- Bent 26 and 26R shown,
Bent 27 and 27R similar.
 - For locations and details not shown, see
"Demolition Layout Plan No. 4" and
"Demolition Layout Plan No. 5" sheets.



ELEVATION BENT 28
 Scale 1/8" = 1'-0"

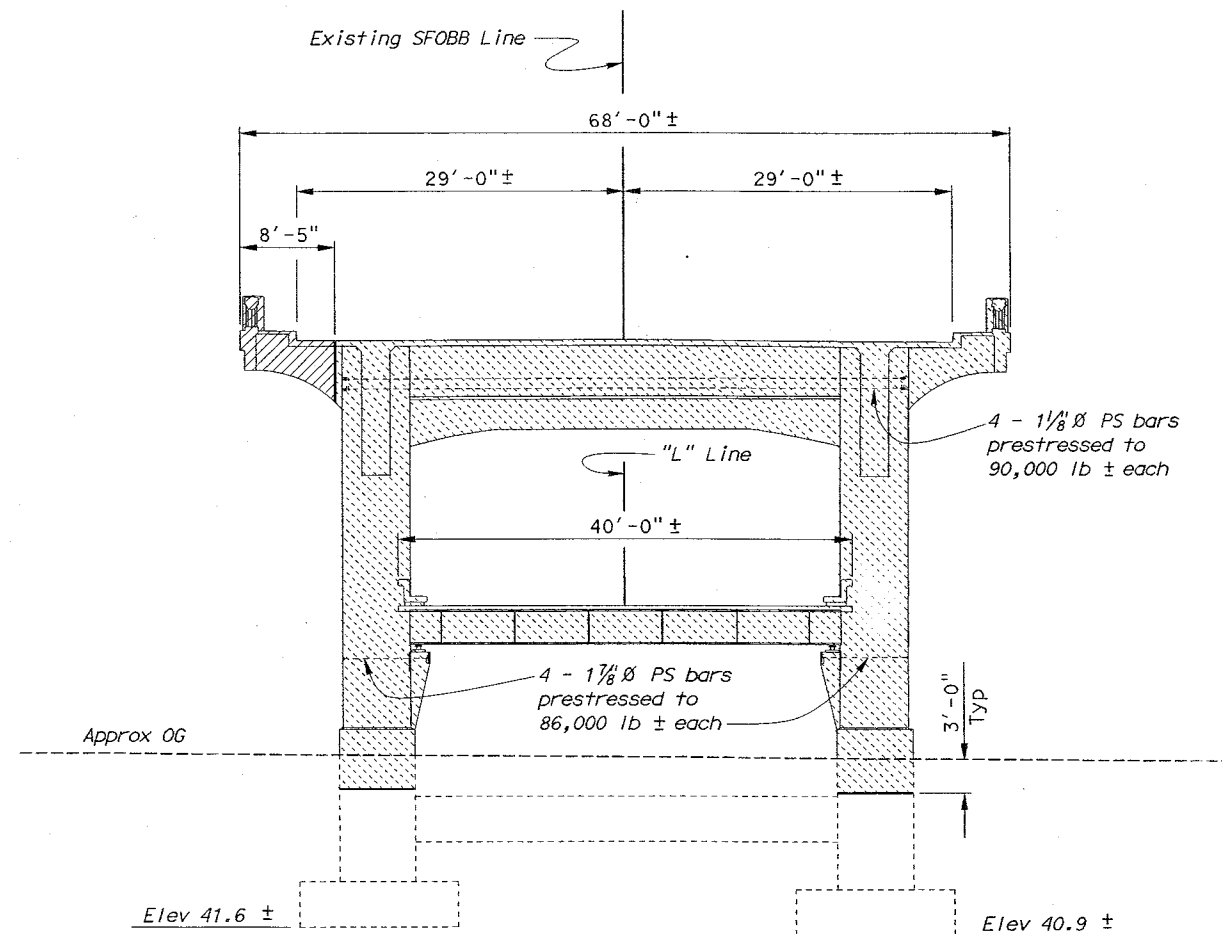
SFOBB - SEISMIC RETROFIT PROJECT NO. 12				SFOBB - SAN FRANCISCO APPROACH (REPLACE)			
STATE OF CALIFORNIA				BRIDGE NO.			
DIVISION OF STRUCTURES				34-0126RL			
STRUCTURE DESIGN 2				POST MILE			
5.07/5.67				DEMOLITION DETAILS BENTS NO.26,27 AND 28			
DESIGN BY K. Bhala				CHECKED J. Zhang			
DETAILS BY FD/JK/RN/DE				CHECKED J. Zhang			
QUANTITIES BY D. Abellon				CHECKED K. Bhala			
STRUCTURES DESIGN DETAIL SHEET (ENGLISH) (REV. 1/1/99)				ORIGINAL SCALE IN INCHES FOR REDUCED PLANS			
CU 04				DISREGARD PRINTS BEARING EARLIER REVISION DATES			
EA 0435V1				REVISION DATES (PRELIMINARY STAGE ONLY)			
FILE => cmudd26.dgn				SHEET 301 OF 419			

DIST	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No	TOTAL SHEETS
04	SF	80	4.9/5.9	1183	1511

G. Setberg
REGISTERED CIVIL ENGINEER
12-03-01
6-17-02
PLANS APPROVAL DATE
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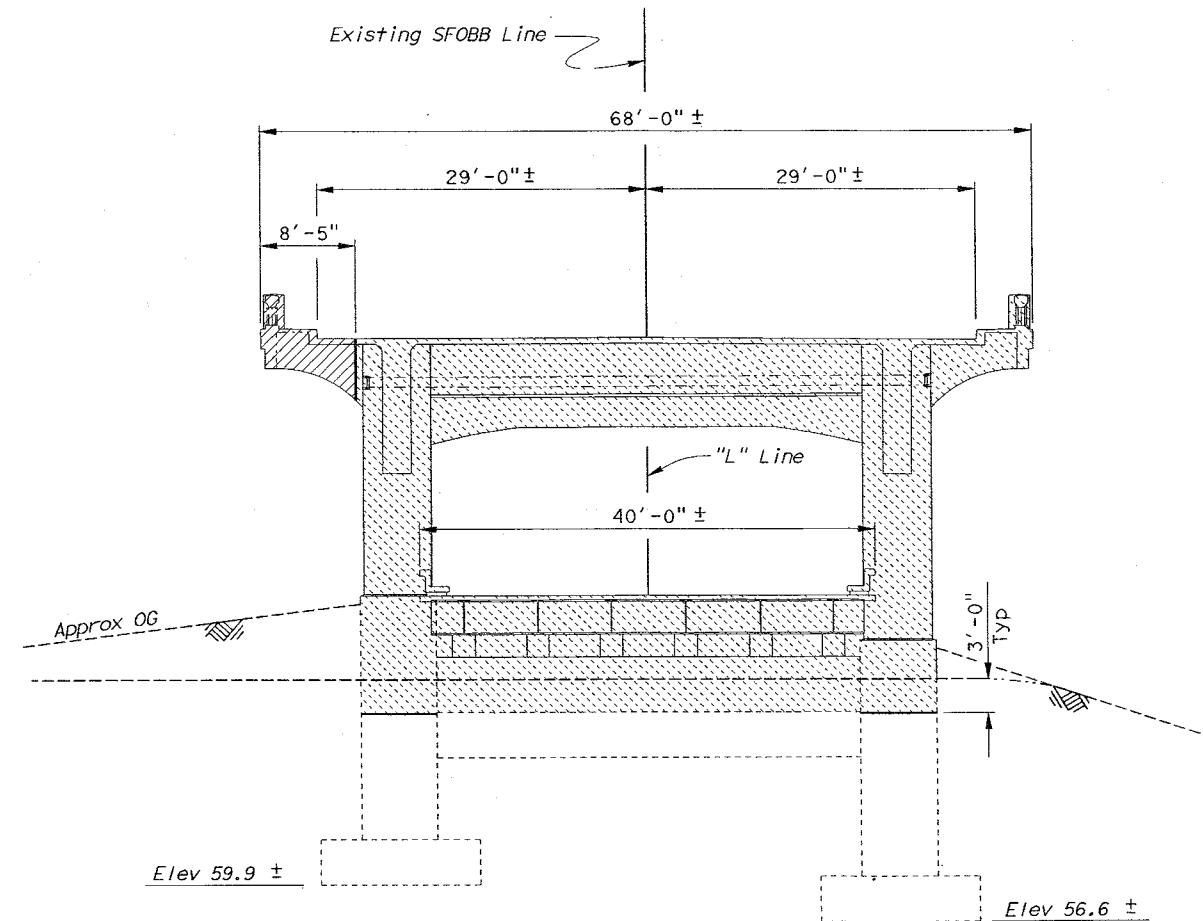
LEGEND

- Indicates Demolition Limits
- ▨ Indicates Limits of Stage 1 Bridge Removal
- ▩ Indicates Limits of Stage 5 Bridge Removal



ELEVATION BENTS 29

1/8" = 1'-0"



BENTS 35 & ABUTMENT 35

1/8" = 1'-0"

Notes:

- Bent 29 shown, Bent 30,33, and 34 similar.
- For bent locations and details not shown, see "Demolition Layout Plan No. 4" and "Demolition Layout Plan No. 5" sheets.
- Dimensions given are normal to layout lines.

NOTE;
THE CONTRACTOR SHALL VERIFY ALL CONTROLLING FIELD DIMENSIONS BEFORE ORDERING OR FABRICATING ANY MATERIAL.

SFOBB - SEISMIC RETROFIT PROJECT NO. 12				SFOBB - SAN FRANCISCO APPROACH (REPLACE)			
DESIGN		BY K. Bhala	CHECKED J. Zhang	BRIDGE NO.		34-0126RL	
DETAILS		BY FD/JK/RN/DE	CHECKED J. Zhang	DIVISION OF STRUCTURES		MAINLINE	
QUANTITIES		BY M. Herron	CHECKED K. Bhala	STRUCTURE DESIGN		2	
DEPARTMENT OF TRANSPORTATION				POST MILE 5.07/5.67			
ORIGINAL SCALE IN INCHES FOR REDUCED PLANS				DISREGARD PRINTS BEARING EARLIER REVISION DATES			
CU 04 EA 0435V1				REVISION DATES (PRELIMINARY STAGE ONLY)			
FILE => amudd29.dgn				SHEET 302 OF 419			

DIST

COUNTY

ROUTE

POST MILES
TOTAL PROJECT

SHEET
No.

TOTAL
SHEETS

04

SF

80

4.9/5.9

1184

1511

G. Setberg

REGISTERED CIVIL ENGINEER

12-03-01

6-17-02

PLANS APPROVAL DATE

No. 47829

Exp. 12-31-03

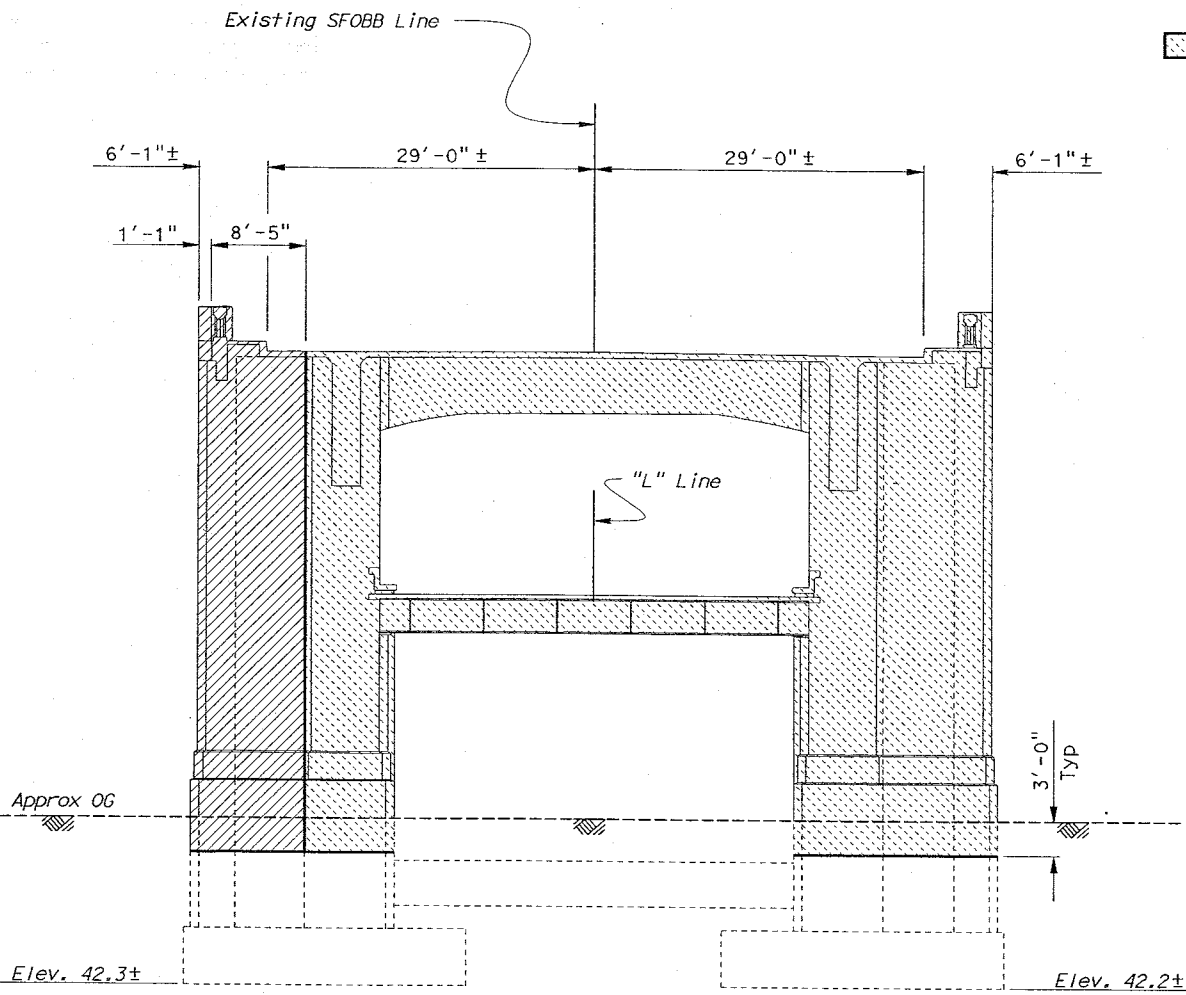
CIVIL

STATE OF CALIFORNIA

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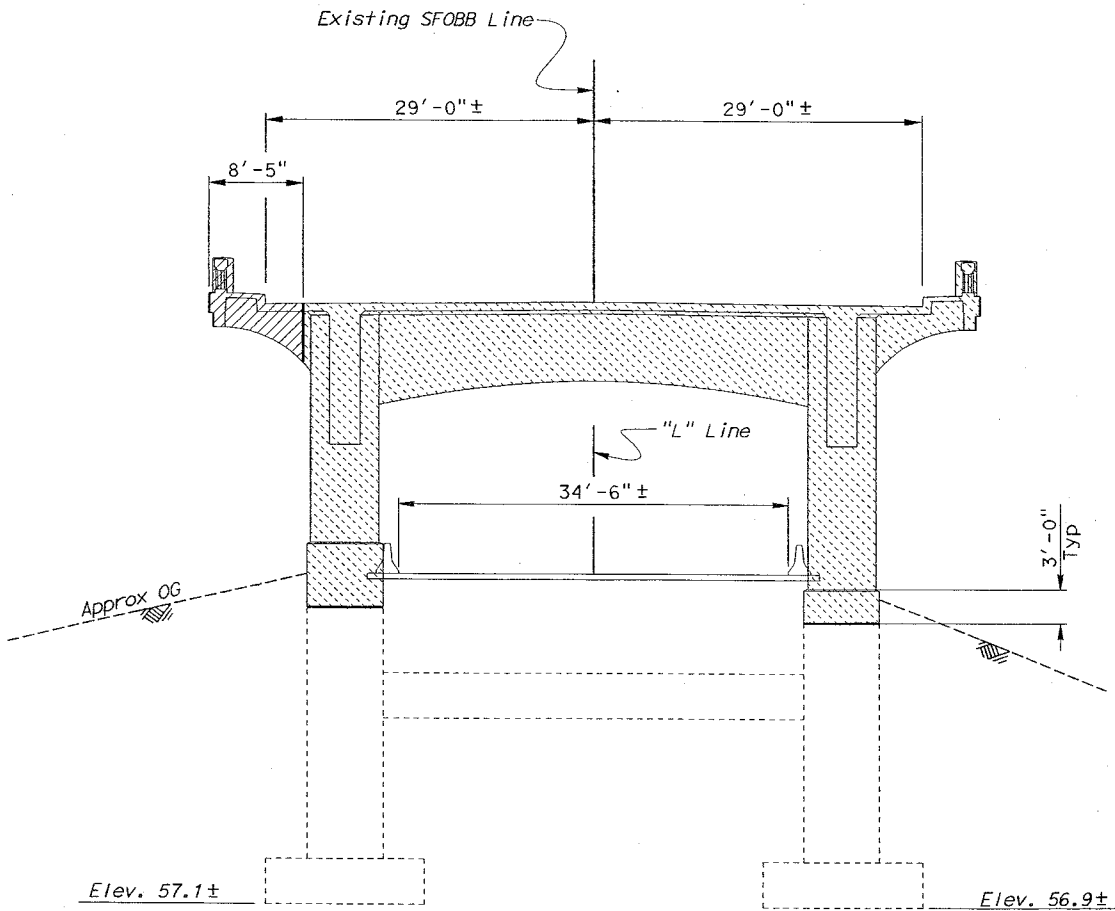
Caltrans now has a web site! To get to the web site, go to: <http://www.dot.ca.gov>

- LEGEND
- Indicates Demolition Limits
 - ▨ Indicates Limits of Stage 1 Bridge Removal
 - ▩ Indicates Limits of Stage 5 Bridge Removal



BENTS 31 AND 32
Scale 1/8"=1'-0"

- Notes:
- Bent 31 shown, Bent 32 similar.
 - Bent 36 shown, Bent 37 similar.
 - For bent locations and details not shown, see "Demolition Layout Plan No. 6" and "Demolition Layout Plan No. 7" sheets.



ELEVATION BENT 36 AND 37
Scale 1/8"=1'-0"

NOTE;
THE CONTRACTOR SHALL VERIFY ALL
CONTROLLING FIELD DIMENSIONS
BEFORE ORDERING OR FABRICATING
ANY MATERIAL.

DESIGN BY K. Bhala			CHECKED J. Zhang			SFOBB - SEISMIC RETROFIT PROJECT NO. 12			SFOBB - SAN FRANCISCO APPROACH (REPLACE)		
DETAILS BY FD/JK/RN/DE			CHECKED J. Zhang			STATE OF CALIFORNIA			MAINLINE		
QUANTITIES BY M. Herron			CHECKED K. Bhala			DIVISION OF STRUCTURES			DEMOLITION DETAILS BENTS NO.31,32,36 AND 37		
						DEPARTMENT OF TRANSPORTATION					
						BRIDGE NO. 34-0126RL					
						POST MILE 5.07/5.67					
						CU 04					
						EA 0435V1					
						DISREGARD PRINTS BEARING EARLIER REVISION DATES					
						REVISION DATES (PRELIMINARY STAGE ONLY)					
						10-18-00 11-18-00 5-14-01 7-23-01					
									SHEET 303 OF 419		

DIST	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET NO.	TOTAL SHEETS
04	SF	80	4.9/5.9	1185	1511

G. Setberg
REGISTERED CIVIL ENGINEER
12-03-01
6-17-02
PLANS APPROVAL DATE

G. Setberg
No. 47829
Exp. 12-31-03
CIVIL
STATE OF CALIFORNIA

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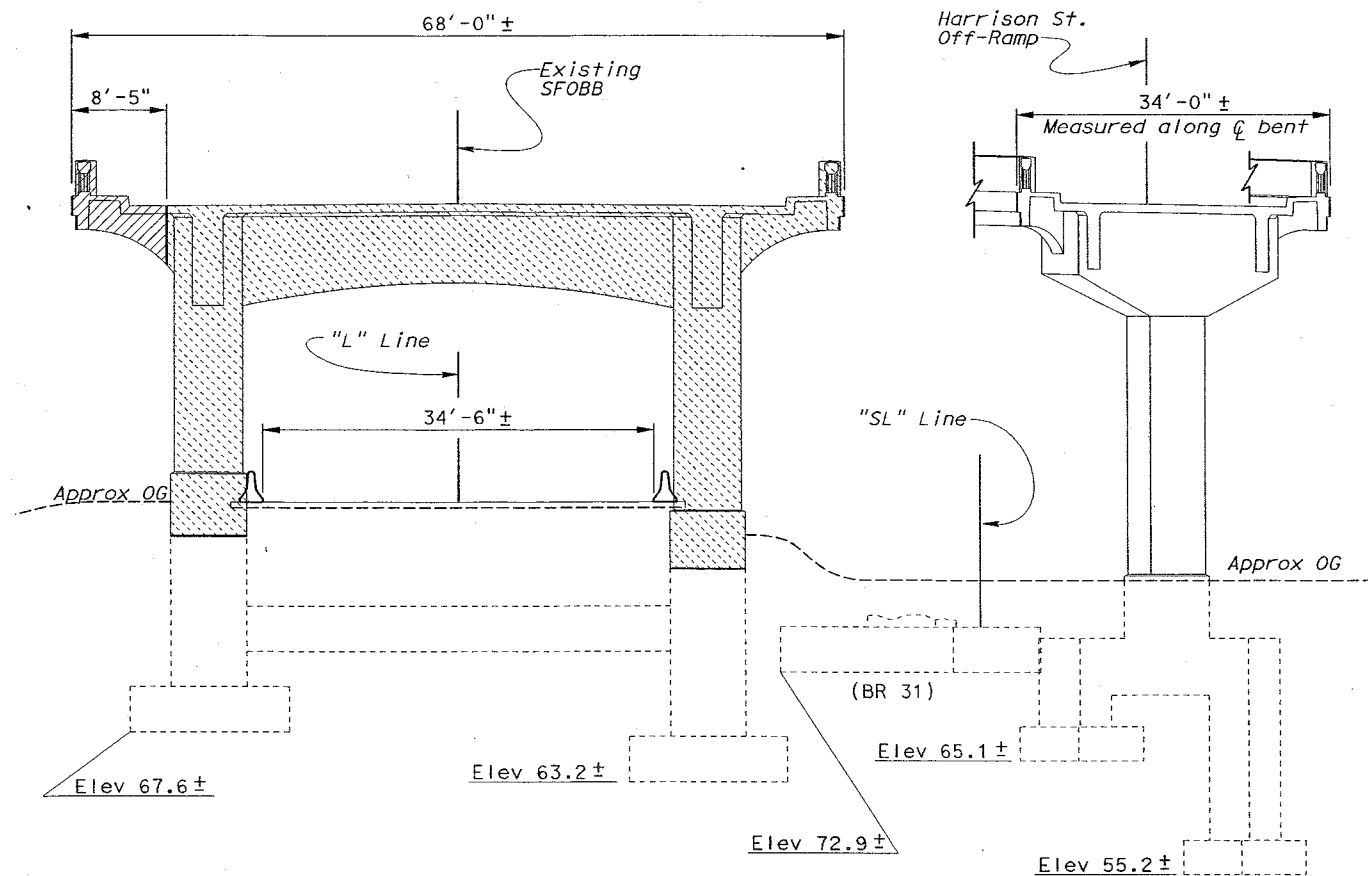
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LEGEND

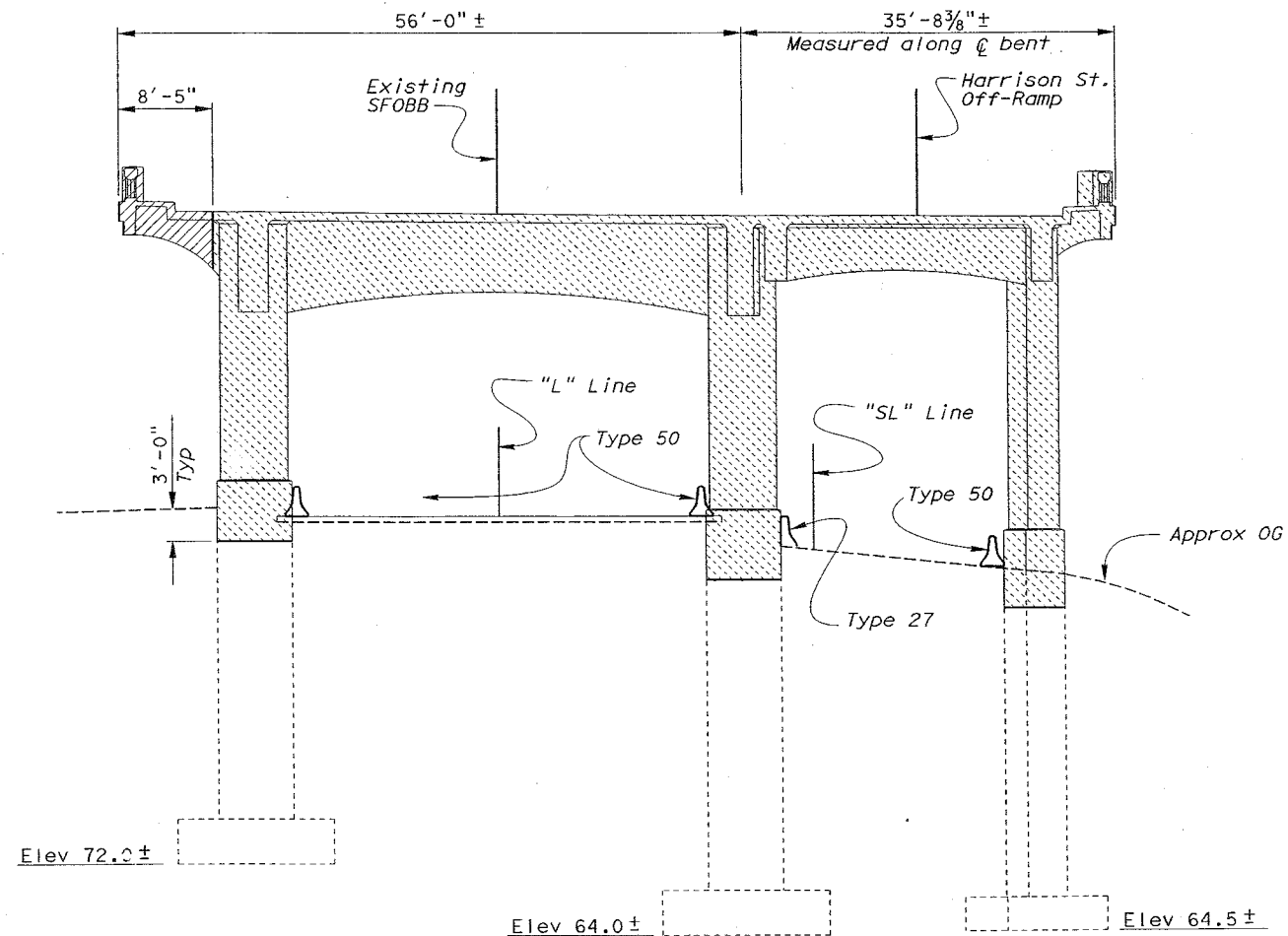
— Indicates Demolition Limits

▨ Indicates Limits of Stage 1 Bridge Removal

▩ Indicates Limits of Stage 5 Bridge Removal



ELEVATION BENT 38
Scale 1/8" = 1'-0"



ELEVATION BENT 39
Scale 1/8" = 1'-0"

- Notes:**
- For bent locations, and details not shown, see "Demolition Layout Plan No. 6" and "Demolition Layout Plan No. 7" sheets.
 - For demolition of Harrison St. off ramp see, "SFOBB Seismic Retrofit Project No. 13" plans..
 - For Concrete Barrier removal see, "ROAD PLANS"

NOTE;
THE CONTRACTOR SHALL VERIFY ALL CONTROLLING FIELD DIMENSIONS BEFORE ORDERING OR FABRICATING ANY MATERIAL.

SFOBB - SEISMIC RETROFIT PROJECT NO. 12				SFOBB - SAN FRANCISCO APPROACH (REPLACE)			
DESIGN		BY K. Bhalu	CHECKED J. Zhang	BRIDGE NO.		34-0126RL	
DETAILS		BY FD/JK/DE	CHECKED J. Zhang	POST MILE		5.07/5.67	
QUANTITIES		BY P. Von Savoye	CHECKED K. Bhalu	DIVISION OF STRUCTURES		STRUCTURE DESIGN 2	
STATE OF CALIFORNIA DEPARTMENT OF TRANSPORTATION				MAINLINE DEMOLITION DETAILS BENTS NO.38 AND 39			
ORIGINAL SCALE IN INCHES FOR REDUCED PLANS				DISREGARD PRINTS BEARING EARLIER REVISION DATES			
CU 04 EA 0435V1				REVISION DATES (PRELIMINARY STAGE ONLY)			
FILE => amudd38.dgn				SHEET 304 OF 419			

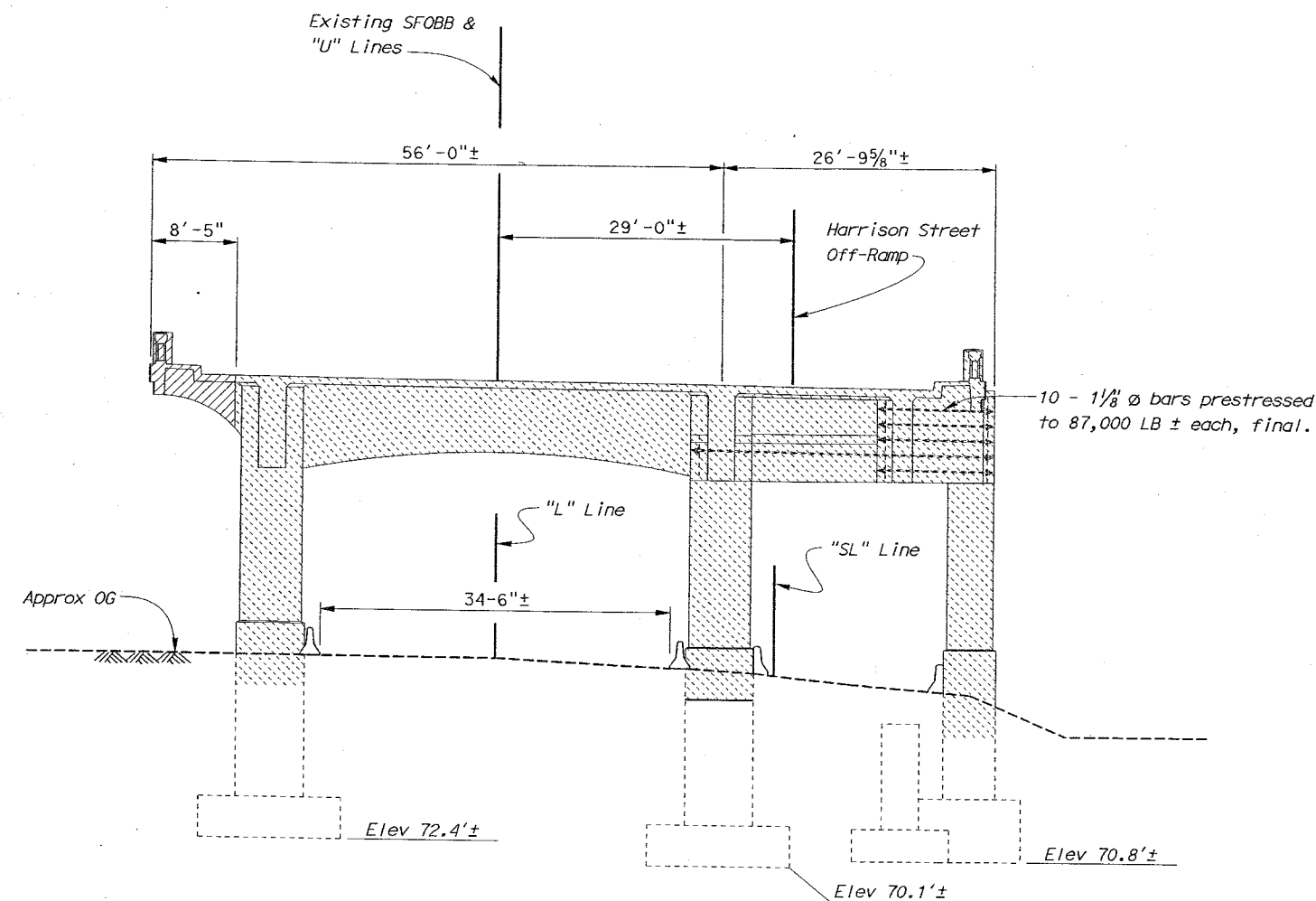
LEGEND:

Limits of Stage 1 Bridge Removal

Limits of Stage 5 Bridge Removal

Notes:

1. For bent locations and details not shown, see "Demolition Layout Plans No. 5" sheet.
2. For concrete barrier removal see "ROAD PLANS"



ELEVATION - BENT 40

Scale: $1/8" = 1'-0"$

NOTE:
THE CONTRACTOR SHALL VERIFY ALL
CONTROLLING FIELD DIMENSIONS
BEFORE ORDERING OR FABRICATING
ANY MATERIAL.

DESIGN	BY K. Bhalra	CHECKED J. Zhang
DETAILS	BY JK/FD/MH/DE	CHECKED J. Zhang
QUANTITIES	BY M. Herron	CHECKED K. Bhalra

STRUCTURES DESIGN DETAIL SHEET (ENGLISH) (REV. 1/1/99)

ORIGINAL SCALE IN INCHES
FOR REDUCED PLANS

SFOBB - SEISMIC RETROFIT PROJECT NO. 12

SFOBB - SAN FRANCISCO APPROACH (REPLACE)

STATE OF
CALIFORNIA
DEPARTMENT OF TRANSPORTATION

DIVISION OF STRUCTURES STRUCTURE DESIGN 2

CU 04
EA 0435V1

BRIDGE NO.
34-0126R
POST MILE
5.07/5.67

MAINLINE
DEMOLITION DETAILS BENT NO.40

DISREGARD PRINTS BEARING
EARLIER REVISION DATES -

REVISION DATES (PRELIMINARY STAGE ONLY)

SHEET	OF
305	419

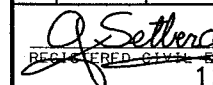
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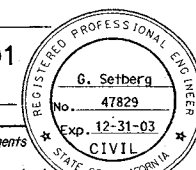
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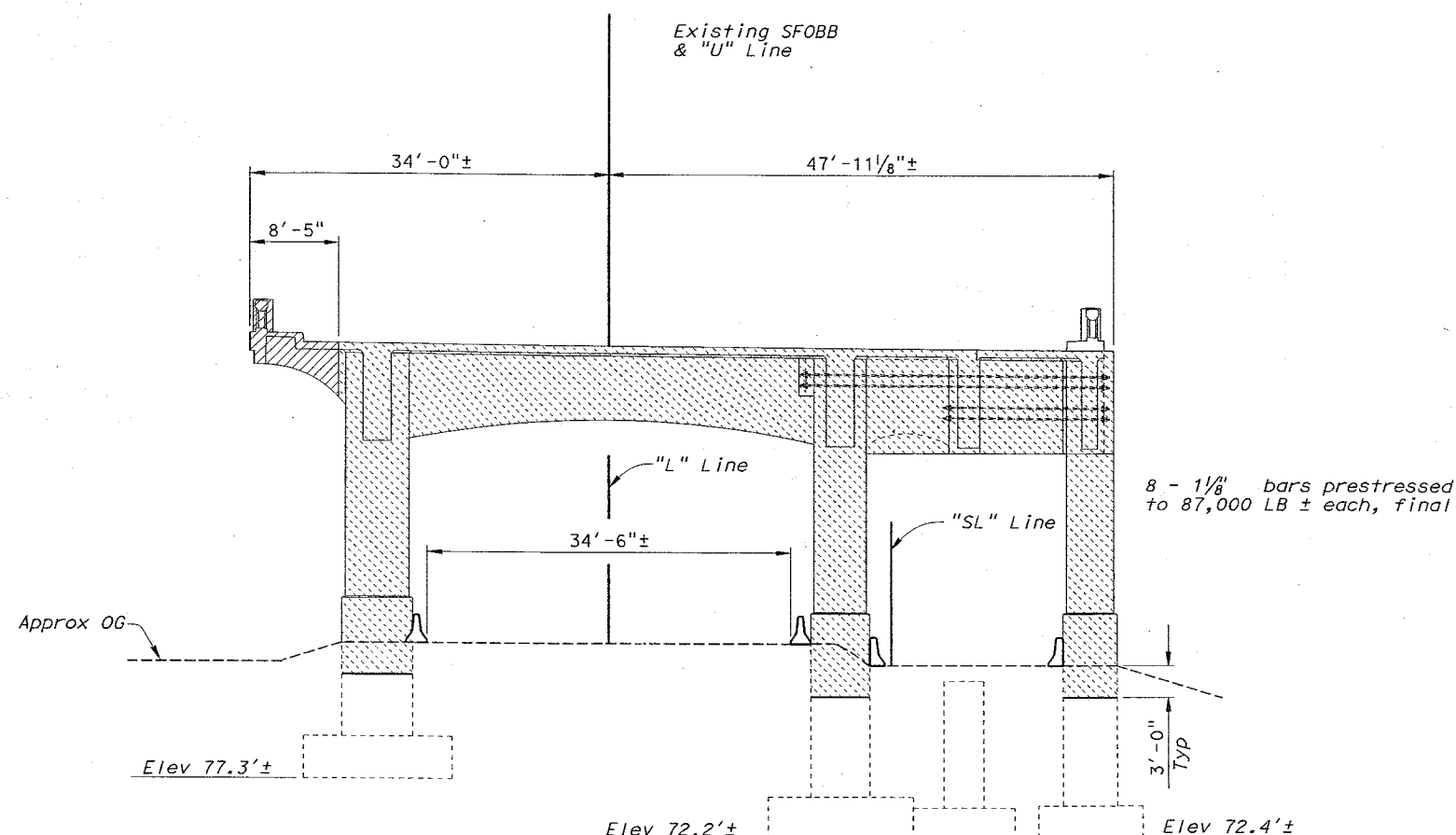
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TIME FLOWED => 10:59

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DIST	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No	TOTAL SHEETS
04	SF	80	4.9/5.9	1187	1511


REGISTERED CIVIL ENGINEER
12-03-01
6-17-02
PLANS APPROVAL DATE
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LEGEND



Limits of Stage 1 Bridge Removal



Limits of Stage 5 Bridge Removal

Notes:

1. For bent locations and details not shown, see "Demolition Layout Plan No. 8" sheet.
2. For concrete barrier removal see "ROAD PLANS".

ELEVATION - BENT 4I

Scale: 1/8"=1'-0"

SFOBB - SEISMIC RETROFIT PROJECT NO. 12

SFOBB - SAN FRANCISCO APPROACH (REPLACE)

STATE OF
CALIFORNIA
DEPARTMENT OF TRANSPORTATION

DIVISION OF STRUCTURES
STRUCTURE DESIGN 2

BRIDGE NO.
34-0126RL
POST MILE
5.07/5.67

MAINLINE
DEMOLITION DETAILS BENT NO.4I

STRUCTURES DESIGN DETAIL SHEET (ENGLISH) (REV. 1/1/99)

ORIGINAL SCALE IN INCHES
FOR REDUCED PLANS

0 1 2 3

CU 04
EA 0435V1

DISREGARD PRINTS BEARING
EARLIER REVISION DATES

REVISION DATES (PRELIMINARY)

SHEET
306

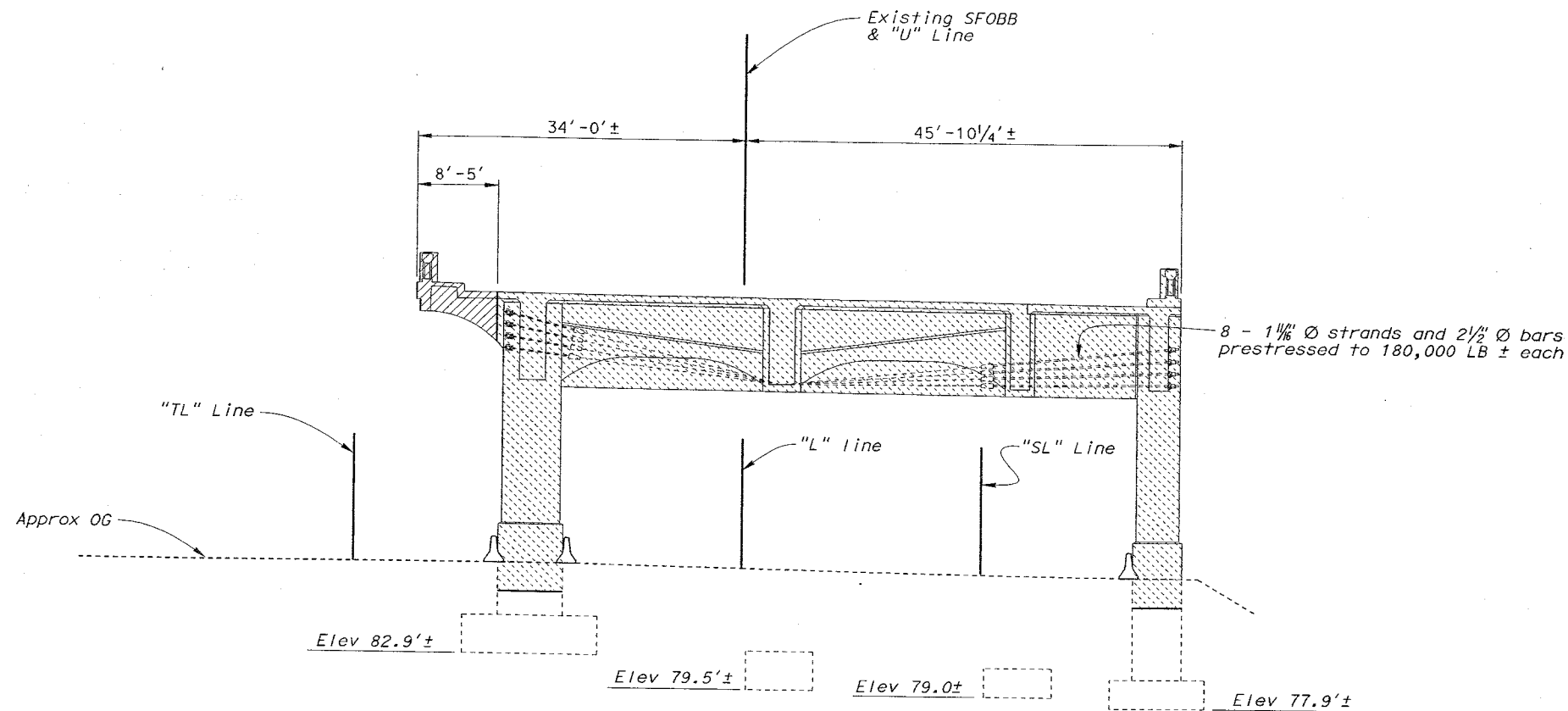
OF
419

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DATE PLOTTED => 22-JUN-2002 TIME PLOTTED => 12:14 USERNAME => YTC

DIST	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET NO	TOTAL SHEETS
04	SF	80	4.9/5.9	1188	1511

G. Setberg
 REGISTERED CIVIL ENGINEER
 12-03-01
 6-17-02
 PLANS APPROVAL DATE
 No. 47829
 Exp. 12-31-03
 CIVIL
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LEGEND

- Limits of Stage 1 Bridge removal
- Limits of Stage 5 Bridge Removal

Notes:

- For bent locations and details not shown, see "Demolition Layout Plan No. 8" sheet.
- For concrete barrier removal see "ROAD PLANS".

ELEVATION - BENT 42

Scale: 1/8"=1'-0"

NOTE:
THE CONTRACTOR SHALL VERIFY ALL CONTROLLING FIELD DIMENSIONS BEFORE ORDERING OR FABRICATING ANY MATERIAL.

SFOBB - SEISMIC RETROFIT PROJECT NO. 12				SFOBB - SAN FRANCISCO APPROACH (REPLACE)																																													
STATE OF CALIFORNIA				DIVISION OF STRUCTURES																																													
DEPARTMENT OF TRANSPORTATION				STRUCTURE DESIGN 2																																													
DESIGN	BY K. Bhola	CHECKED J. Zhang	BRIDGE NO.	34-0126RL																																													
DETAILS	BY JK/FD/MH/DE	CHECKED J. Zhang	POST MILE	5.07/5.67																																													
QUANTITIES	BY M. Herron	CHECKED K. Bhola	DEMOLITION DETAILS BENT NO.42																																														
ORIGINAL SCALE IN INCHES FOR REDUCED PLANS			CU 04 EA 0435V1		REVISION DATES (PRELIMINARY STAGE ONLY)																																												
0 1 2 3			DISREGARD PRINTS BEARING EARLIER REVISION DATES		<table border="1"> <tr> <td>10-10-00</td> <td>10-11-00</td> <td>10-12-00</td> <td>10-13-00</td> <td>10-14-00</td> <td>10-15-00</td> <td>10-16-00</td> <td>10-17-00</td> <td>10-18-00</td> <td>10-19-00</td> <td>10-20-00</td> <td>10-21-00</td> <td>10-22-00</td> <td>10-23-00</td> <td>10-24-00</td> <td>10-25-00</td> <td>10-26-00</td> <td>10-27-00</td> <td>10-28-00</td> <td>10-29-00</td> <td>10-30-00</td> </tr> <tr> <td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td> </tr> </table>			10-10-00	10-11-00	10-12-00	10-13-00	10-14-00	10-15-00	10-16-00	10-17-00	10-18-00	10-19-00	10-20-00	10-21-00	10-22-00	10-23-00	10-24-00	10-25-00	10-26-00	10-27-00	10-28-00	10-29-00	10-30-00																					
10-10-00	10-11-00	10-12-00	10-13-00	10-14-00	10-15-00	10-16-00	10-17-00	10-18-00	10-19-00	10-20-00	10-21-00	10-22-00	10-23-00	10-24-00	10-25-00	10-26-00	10-27-00	10-28-00	10-29-00	10-30-00																													
STRUCTURES DESIGN DETAIL SHEET (ENGLISH) (REV. 1/1/99)			FILE => amudd42.dgn		SHEET 307 OF 419																																												

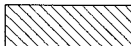
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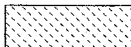
DIST	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No	TOTAL SHEETS
04	SF	80	4.9/5.9	1189	1511

G. Setberg
REGISTERED CIVIL ENGINEER
12-03-01
6-17-02
PLANS APPROVAL DATE
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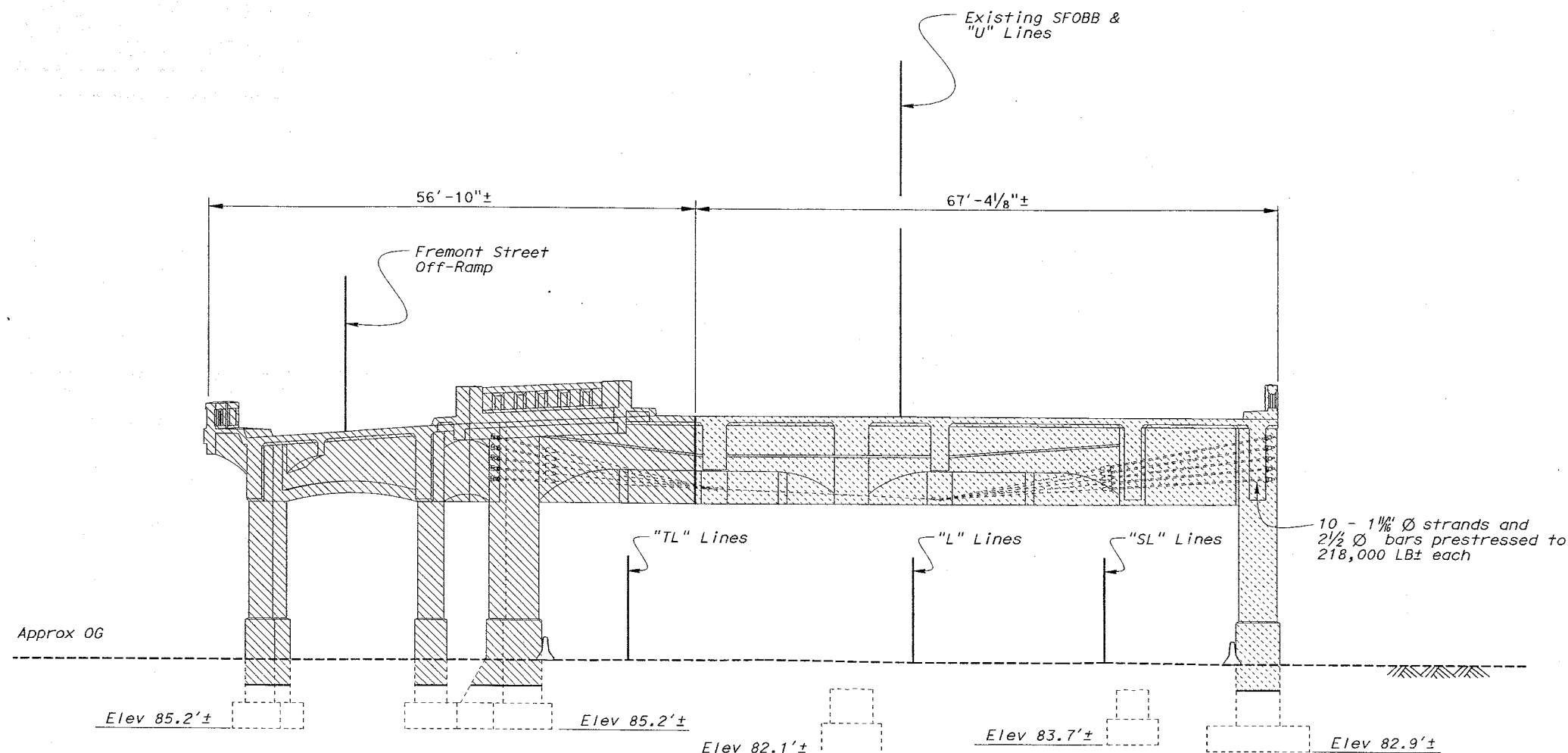
REGISTERED PROFESSIONAL ENGINEER
G. Setberg
No. 47829
Exp. 12-31-03
CIVIL
STATE OF CALIFORNIA

LEGEND

 Limits of Stage 2 Bridge Removal

 Limits of Stage 5 Bridge Removal

1. For Fremont Street Off-Ramp removal, see "SFOBB - Seismic Retrofit Project No. 13" plans.
2. For details not shown, see "Demolition Layout Plan No. 8" and "Interim Support - Bent 43" sheets.
3. For concrete barrier removal, see "ROAD PLANS".
4. Dimensions shown normal to existing SFOBB line.



ELEVATION - BENT 43

Scale: 1/8"=1'-0"

NOTE:
THE CONTRACTOR SHALL VERIFY ALL
CONTROLLING FIELD DIMENSIONS
BEFORE ORDERING OR FABRICATING
ANY MATERIAL.

SFOBB - SEISMIC RETROFIT PROJECT NO. 12 SFOBB - SAN FRANCISCO APPROACH (REPLACE)

STATE OF
CALIFORNIA
DEPARTMENT OF TRANSPORTATION

DIVISION OF STRUCTURES
STRUCTURE DESIGN 2

BRIDGE NO.
34-0126RL
POST MILE
5.07/5.67

MAINLINE
DEMOLITION DETAILS BENT NO. 43

STRUCTURES DESIGN DETAIL SHEET (ENGLISH) (REV. 1/1/99)

ORIGINAL SCALE IN INCHES
FOR REDUCED PLANS

CU 04
EA 0435V1

DISREGARD PRINTS BEARING
EARLIER REVISION DATES

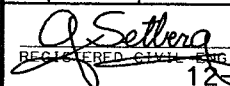
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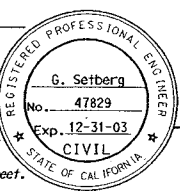
SHEET
308 OF
419

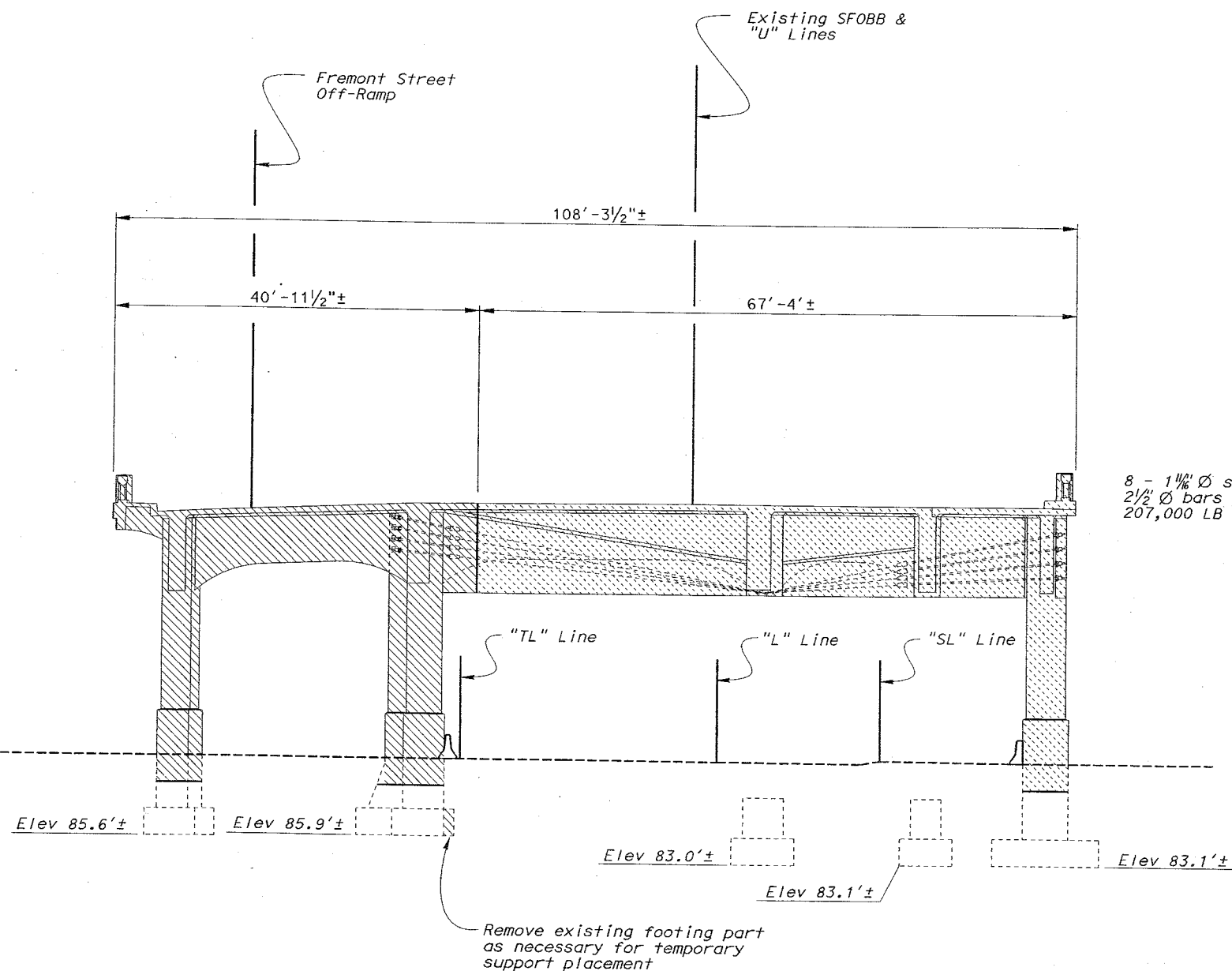
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DIST	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
04	SF	80	4.9/5.9	1190	1511


REGISTERED CIVIL ENGINEER
12-03-01
6-17-02
PLANS APPROVAL DATE
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LEGEND



Limits of Stage 2 Bridge Removal



Limits of Stage 5 Bridge Removal

8 - 1 1/4" Ø strands and
2 1/2" Ø bars prestressed to
207,000 LB ± each

Notes:

- For bent locations and details not shown, see "Demolition Layout Plan No. 8" and "Interim Support - Bent 44" sheets.
- For concrete barrier removal, see "ROAD PLANS".
- Dimensions shown normal to existing SFOBB Line.

ELEVATION - BENT 44

Scale: 1/8"=1'-0"

NOTE:
THE CONTRACTOR SHALL VERIFY ALL
CONTROLLING FIELD DIMENSIONS
BEFORE ORDERING OR FABRICATING
ANY MATERIAL

DESIGN	BY K. Bhalu	CHECKED J. Zhang
DETAILS	BY JK/FD/MH/DE	CHECKED J. Zhang
QUANTITIES	BY M. Herron	CHECKED K. Bhalu

SFOBB - SEISMIC RETROFIT PROJECT NO. 12

STATE OF
CALIFORNIA
DEPARTMENT OF TRANSPORTATION

DIVISION OF STRUCTURES
STRUCTURE DESIGN 2

BRIDGE NO.
34-0126RL
POST MILE
5.07/5.67

SFOBB - SAN FRANCISCO APPROACH (REPLACE)

MAINLINE

DEMOLITION DETAILS BENT NO. 44

STRUCTURES DESIGN DETAIL SHEET (ENGLISH) (REV. 1/1/99)

ORIGINAL SCALE IN INCHES
FOR REDUCED PLANS

CU 04
EA 0435V1

DISREGARD PRINTS BEARING
EARLIER REVISION DATES

REVISION DATES (PRELIMINARY STAGE ONLY)

10-26-00 10-27-00 10-30-00 11-18-00 12-11-00 5-24-01 7-22-01

SHEET 309 OF 419

FILE => amud44.dgn

TIME PLOTTED => 12:16
USERNAME => tpierce DATE PLOTTED => 22-JUN-2002

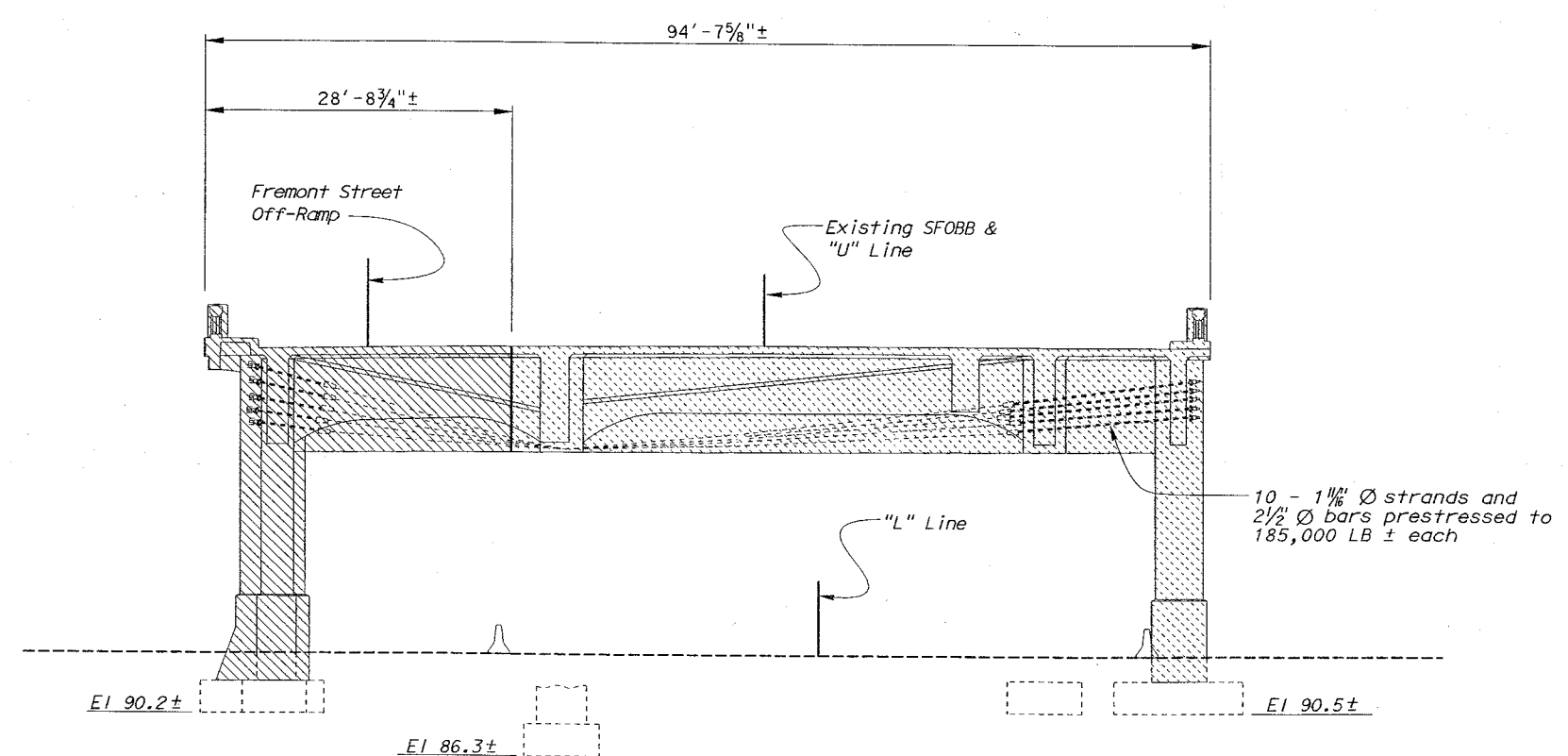
DIST	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No	TOTAL SHEETS
04	SF	80	4.9/5.9	1191	1511

G. Setberg
REGISTERED CIVIL ENGINEER
12-03-01
6-17-02
PLANS APPROVAL DATE

REGISTERED PROFESSIONAL ENGINEER
G. Setberg
No. 47829
Exp. 12-31-03
CIVIL
STATE OF CALIFORNIA

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LEGEND

- Indicates Demolition Limits
- Indicates Limits of Stage 2 Bridge Removal
- Indicates Limits of Stage 5 Bridge Removal

Notes:

- For bent locations and details not shown, see "Demolition Layout Plan No. 8" and "Interim Support- Bent 45" sheets.
- For concrete barrier removal see, "ROAD PLANS".
- Dimensions shown normal to existing SFOBB line.

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

NOTE;
THE CONTRACTOR SHALL VERIFY ALL CONTROLLING FIELD DIMENSIONS BEFORE ORDERING OR FABRICATING ANY MATERIAL.

SFOBB - SEISMIC RETROFIT PROJECT NO. 12				SFOBB - SAN FRANCISCO APPROACH (REPLACE)					
<div style="text-align: center;"> STATE OF CALIFORNIA DEPARTMENT OF TRANSPORTATION </div>		DIVISION OF STRUCTURES STRUCTURE DESIGN 2		BRIDGE NO. 34-0126RL					
				POST MILE 5.07/5.67					
				MAINLINE DEMOLITION DETAILS BENT NO.45					
DESIGN BY K. Bhala	CHECKED J. Zhang	ORIGINAL SCALE IN INCHES FOR REDUCED PLANS 0 1 2 3		CU 04 EA 0435V1 FILE => smudd45.dgn		DISREGARD PRINTS BEARING EARLIER REVISION DATES 11-21-00 5-24-01 1-22-01 9-19-01		SHEET 310	OF 419
DETAILS BY D. Elliott	CHECKED J. Zhang								
QUANTITIES BY M. Herron	CHECKED K. Bhala								

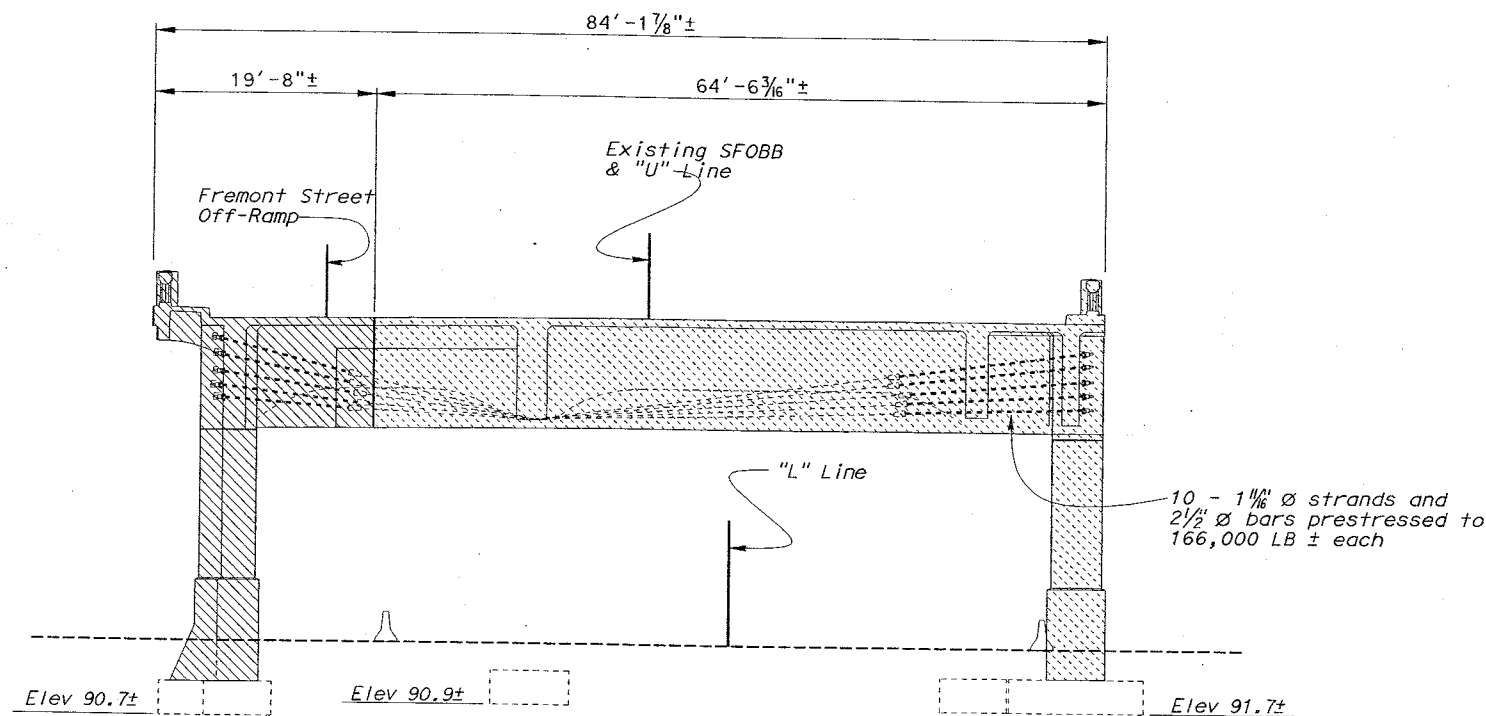
DIST	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No	TOTAL SHEETS
04	SF	80	4.9/5.9	1192	1511

G. Setberg
REGISTERED CIVIL ENGINEER
12-03-01
6-17-02
PLANS APPROVAL DATE

6. Setberg
No. 47829
Exp. 12-31-03
CIVIL
STATE OF CALIFORNIA

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

LEGEND

- Indicates Demolition Limits
- ▨ Indicates Limits of Stage 2 Bridge Removal
- ▩ Indicates Limits of Stage 5 Bridge Removal

Notes:

- For bent locations and details not shown, see "Demolition Layout Plan No. 8" and "Interim Support - Bent 46" sheets.
- For concrete barrier removal see, "ROAD PLANS".
- Dimensions shown normal to existing SFOBB line.

NOTE;
THE CONTRACTOR SHALL VERIFY ALL
CONTROLLING FIELD DIMENSIONS
BEFORE ORDERING OR FABRICATING
ANY MATERIAL.

SFOBB - SEISMIC RETROFIT PROJECT NO. 12				SFOBB - SAN FRANCISCO APPROACH (REPLACE)			
STATE OF CALIFORNIA DEPARTMENT OF TRANSPORTATION				DIVISION OF STRUCTURES STRUCTURE DESIGN 2		BRIDGE NO. 34-0126RL	
DESIGN BY K. Bhala CHECKED J. Zhang				POST MILE 5.07/5.67		MAINLINE	
DETAILS BY D. Elliott CHECKED J. Zhang				DEMOLITION DETAILS BENT NO.46			
QUANTITIES BY M. Herron CHECKED K. Bhala				REVISION DATES (PRELIMINARY STAGE ONLY)			
ORIGINAL SCALE IN INCHES FOR REDUCED PLANS				CU 04 EA 0435V1		DISREGARD PRINTS BEARING EARLIER REVISION DATES	
STRUCTURES DESIGN DETAIL SHEET (ENGLISH) (REV. 1/1/99)				FILE => amudd46.dgn		SHEET 311 OF 419	

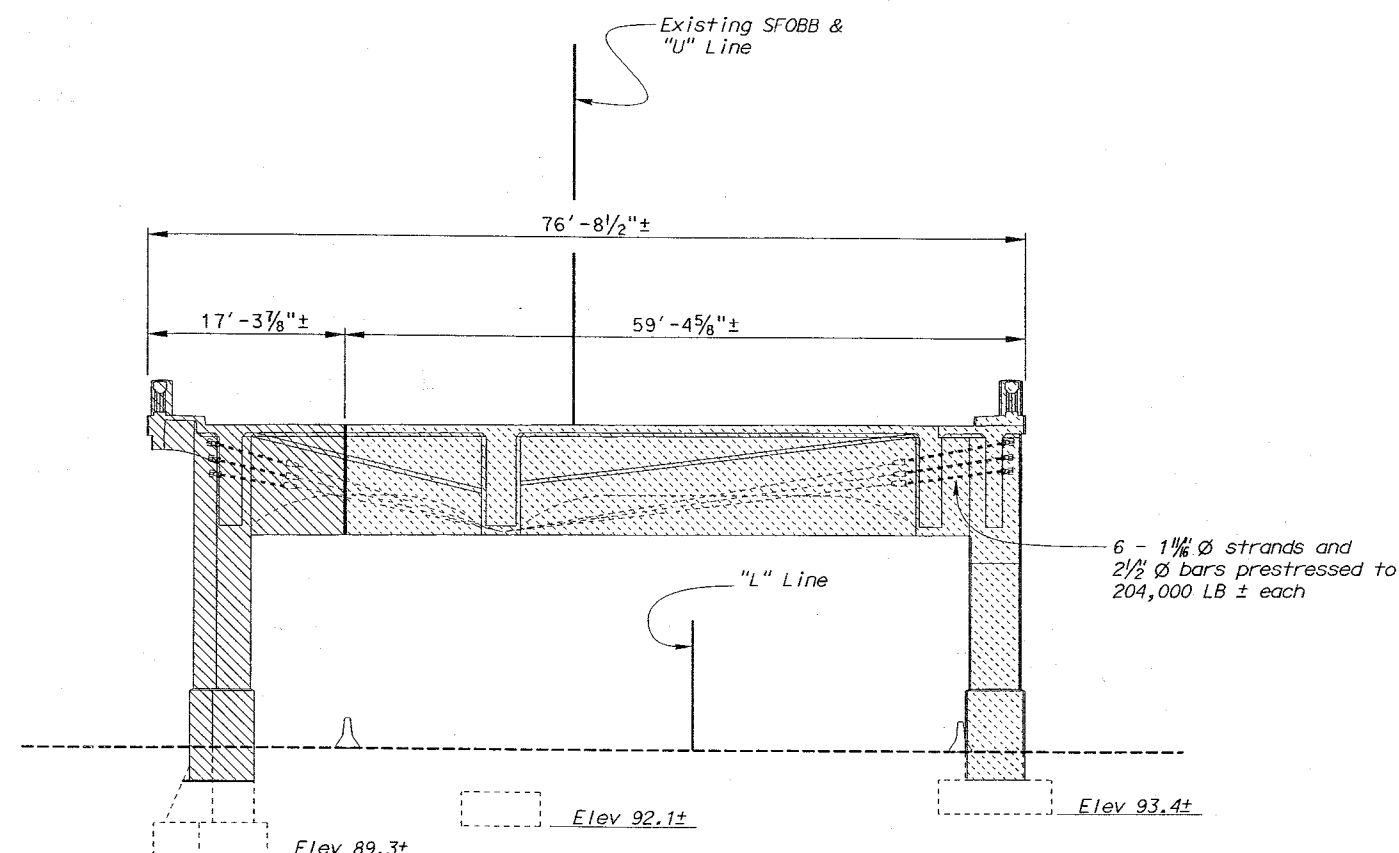
DIST	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No	TOTAL SHEETS
04	SF	80	4.9/5.9	1193	1511

G. Setberg
REGISTERED CIVIL ENGINEER
12-03-01
6-17-02
PLANS APPROVAL DATE

6. Setberg
No. 47829
Exp. 12-31-03
CIVIL
STATE OF CALIFORNIA

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LEGEND

- Indicates Demolition Limits
- ▨ Indicates Limits of Stage 2 Bridge Removal
- ▩ Indicates Limits of Stage 5 Bridge Removal

Notes:

- For bent locations and details not shown, see "Demolition Layout Plan No. 8", "Interim Support - Bent 48" and "Interim Support - Bent 49" sheets.
- For concrete barrier removal see, "ROAD PLANS".
- Dimensions shown normal to existing SFOBB line.

ELEVATION

Scale 1/8" = 1'-0"

NOTE;
THE CONTRACTOR SHALL VERIFY ALL CONTROLLING FIELD DIMENSIONS BEFORE ORDERING OR FABRICATING ANY MATERIAL.

SFOBB - SEISMIC RETROFIT PROJECT NO. 12				SFOBB - SAN FRANCISCO APPROACH (REPLACE			
STATE OF CALIFORNIA				DIVISION OF STRUCTURES			
DEPARTMENT OF TRANSPORTATION				STRUCTURE DESIGN 2			
DESIGN	BY	K. Bhala	CHECKED	J. Zhang	BRIDGE NO.	34-0126RL	
DETAILS	BY	D. Elliott	CHECKED	J. Zhang	POST MILE	5.07/5.67	
QUANTITIES	BY	M. Herron	CHECKED	K. Bhala	MAINLINE		
					DEMOLITION DETAILS BENT NO.47		

STRUCTURES DESIGN DETAIL SHEET (ENGLISH) (REV. 1/1/99)

ORIGINAL SCALE IN INCHES FOR REDUCED PLANS

CU 04
EA 0435V1
FILE => amudd47.dgn

DISREGARD PRINTS BEARING EARLIER REVISION DATES

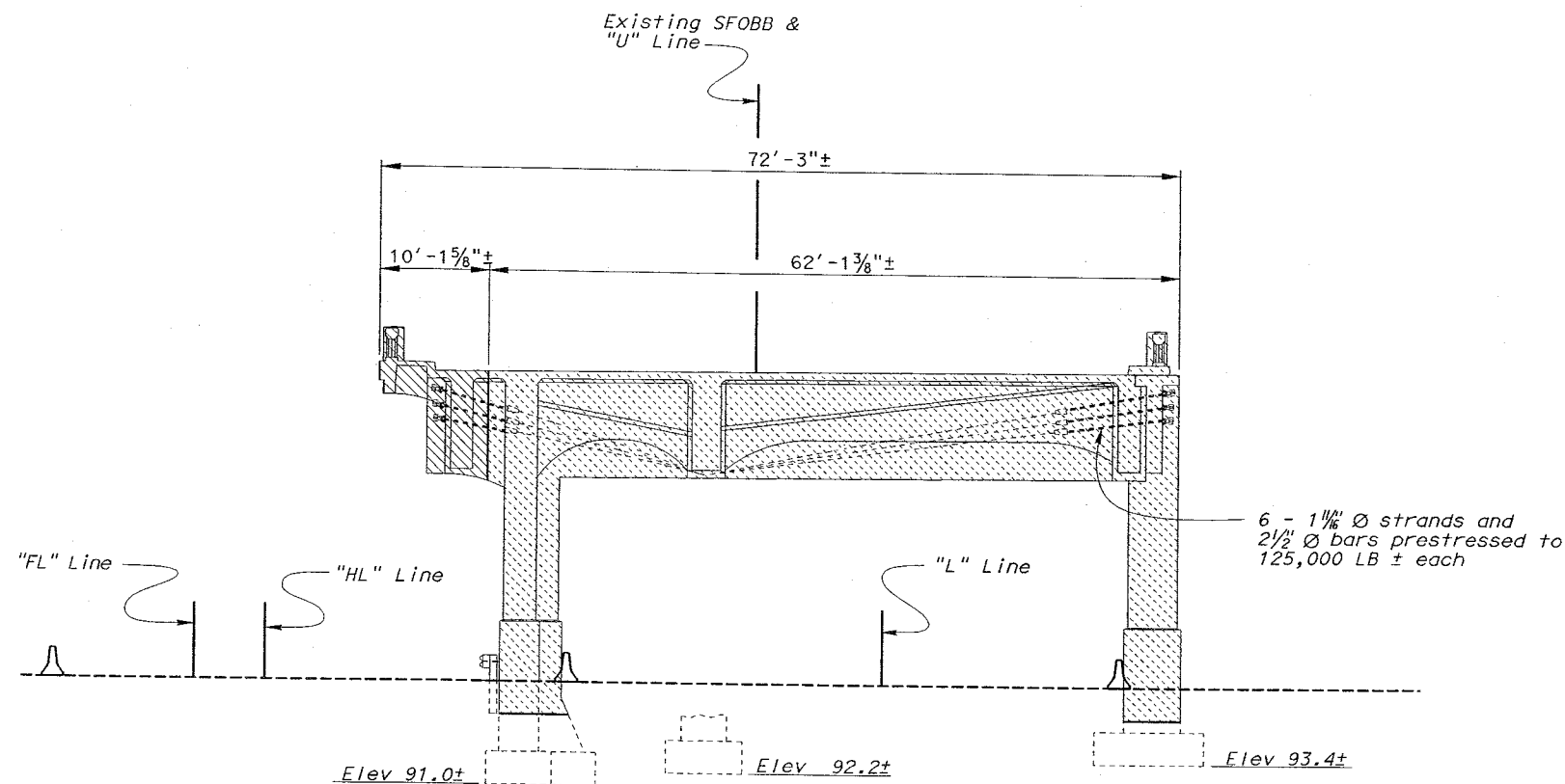
REVISION DATES (PRELIMINARY STAGE ONLY)

SHEET 312 OF 419

DATE PLOTTED => 22-JUN-2002 TIME PLOTTED => 12:17 USERNAME => TT

DIST	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No	TOTAL SHEETS
04	SF	80	4.9/5.9	1194	1511

G. Setberg
 REGISTERED CIVIL ENGINEER
 12-03-01
 6-17-02
 PLANS APPROVAL DATE
 No. 47829
 Exp. 12-31-03
 CIVIL
 STATE OF CALIFORNIA
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ELEVATION BENT 48
 Scale 1/8" = 1'-0"

LEGEND

- Indicates Demolition Limits
- ▨ Indicates Limits of Stage 2 Bridge Removal
- ▩ Indicates Limits of Stage 5 Bridge Removal

Notes:

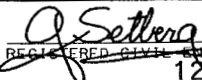
1. For bent location and details not shown, see "Demolition Layout Plan No. 8" and "Interim Support - Bent 48" sheets.
2. For concrete barrier removal see, "ROAD PLANS".
3. Dimensions shown normal to existing SFOBB line.

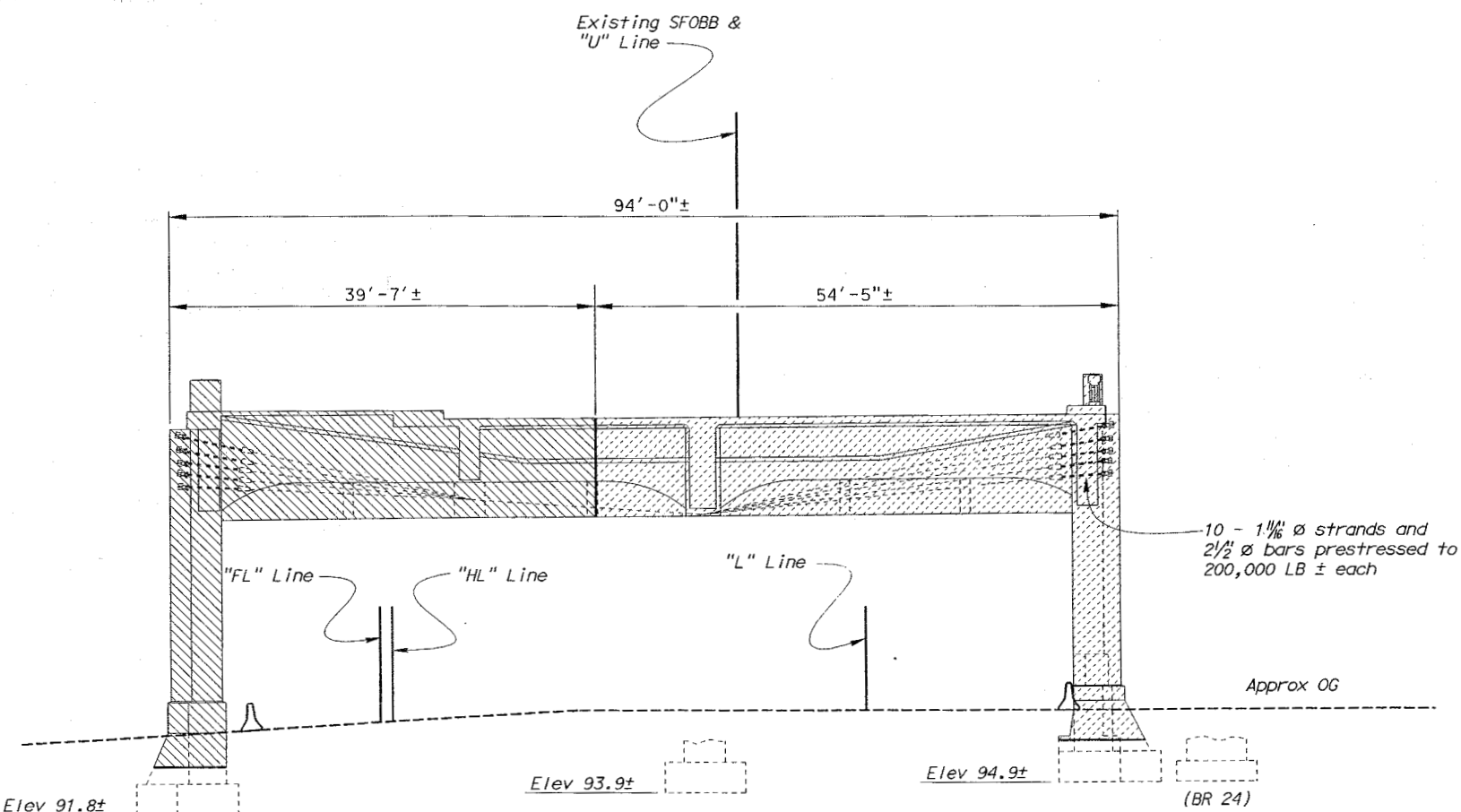
NOTE;
 THE CONTRACTOR SHALL VERIFY ALL
 CONTROLLING FIELD DIMENSIONS
 BEFORE ORDERING OR FABRICATING
 ANY MATERIAL.

SFOBB - SEISMIC RETROFIT PROJECT NO. 12				SFOBB - SAN FRANCISCO APPROACH (REPLACE)			
STATE OF CALIFORNIA DEPARTMENT OF TRANSPORTATION				DIVISION OF STRUCTURES STRUCTURE DESIGN 2			
DESIGN BY K. Bhala DETAILS BY D. Elliott QUANTITIES BY M. Herron				BRIDGE NO. 34-0126RL POST MILE 5.07/5.67			
CHECKED J. Zhang CHECKED J. Zhang CHECKED K. Bhala				MAINLINE DEMOLITION DETAILS BENT NO. 48			
ORIGINAL SCALE IN INCHES FOR REDUCED PLANS				DISREGARD PRINTS BEARING EARLIER REVISION DATES			
CU 04 EA 0435V1				REVISION DATES (PRELIMINARY STAGE ONLY)			
0 1 2 3				11/18/00 5-24-01			
FILE => pmdd48.dgn				SHEET 313 OF 419			

TIME PLOTTED => 12:17
 USERNAME => tpierce DATE PLOTTED => 22-JUN-2002

DIST	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No	TOTAL SHEETS
04	SF	80	4.9/5.9	1195	1511


REGISTERED CIVIL ENGINEER
12-03-01
6-17-02
PLANS APPROVAL DATE
G. Setberg
No. 47829
Exp. 12-31-03
CIVIL
STATE OF CALIFORNIA
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- LEGEND**
- Indicates Demolition Limits
 - ▨ Indicates Limits of Stage 2 Bridge Removal
 - ▩ Indicates Limits of Stage 4 Bridge Removal

- Notes:**
- For bent locations and details not shown, see "Demolition Layout Plan No. 8" and "Interim Support - Bent 49" sheets.
 - For concrete barrier removal see, "ROAD PLANS".

ELEVATION BENT 49
Scale 1/8" = 1'-0"

NOTE;
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CONTROLLING FIELD DIMENSIONS
BEFORE ORDERING OR FABRICATING
ANY MATERIAL.

SFOBB - SEISMIC RETROFIT PROJECT NO. 12				SFOBB - SAN FRANCISCO APPROACH (REPLACE)			
STATE OF CALIFORNIA DIVISION OF STRUCTURES DEPARTMENT OF TRANSPORTATION				MAINLINE DEMOLITION DETAILS BENT NO.49			
DESIGN	BY K. Bhala	CHECKED J. Zhang	BRIDGE NO.	34-0126RL			
DETAILS	BY D. Elliott	CHECKED J. Zhang	POST MILE	5.07/5.67			
QUANTITIES	BY M. Herron	CHECKED K. Bhala	CU 04 EA 0435V1				
STRUCTURES DESIGN DETAIL SHEET (ENGLISH) (REV. 1/1/99)				DISREGARD PRINTS BEARING EARLIER REVISION DATES			
ORIGINAL SCALE IN INCHES FOR REDUCED PLANS				REVISION DATES (PRELIMINARY STAGE ONLY)			
0 1 2 3				11-24-00 5-24-01			
FILE => amudd49.dgn				SHEET 314 OF 419			

DATE PLOTTED => 22-NOV-2002 TIME PLOTTED => 12:18 USERNAME => HT