

**SUBMITTAL TO THE BOARD OF SUPERVISORS  
COUNTY OF RIVERSIDE, STATE OF CALIFORNIA**



715A

**FROM:** TLMA - Transportation Department

**SUBMITTAL DATE:**  
May 11, 2009

**SUBJECT:** Maintenance Agreement between the County of Riverside and the State of California Department of Transportation (Caltrans) for a proposed interchange at I-10 and Bob Hope Drive.

**RECOMMENDED MOTION:** That the Board approve and authorize the Chairman of the Board to execute the Maintenance Agreement between the County of Riverside and Caltrans for the Interstate 10 at Bob Hope Drive interchange project

**BACKGROUND:** The Interstate 10 at Ramon Road Interchange is a gateway into the cities of Rancho Mirage and Cathedral City and the unincorporated County. Significant growth in the area has increased traffic beyond the capacity of the existing interchange. A new interchange is proposed to add capacity and improve operations of the interchange. The new interchange will be located just to the west of the Ramon Road interchange and will connect directly to Bob

Juan C. Perez  
Director of Transportation

CSS:css  
(Continued On Attached Page)

<b>FINANCIAL DATA</b>	Current F.Y. Total Cost:	\$ 0	In Current Year Budget:	Yes
	Current F.Y. Net County Cost:	\$ 0	Budget Adjustment:	No
	Annual Net County Cost:	\$ 0	For Fiscal Year:	2008/09
<b>SOURCE OF FUNDS:</b> Agua Caliente Band of Cahuilla Indians (100%)				<b>Positions To Be Deleted Per A-30</b> <input type="checkbox"/>
				<b>Requires 4/5 Vote</b> <input type="checkbox"/>

**C.E.O. RECOMMENDATION:**

APPROVE

BY:   
Tina Grande

**County Executive Office Signature**

FORM APPROVED COUNTY COUNSEL  
BY:   
MARSHAL L. VICTOR  
DATE: 5/11/09  
Departmental Concurrence

Dep't Recomm.:  Consent  Policy  
Per Exec. Ofc.:  Consent  Policy

Prev. Agn. Ref. 3/3/2009 3.35 | District: 4 | Agenda Number:

ATTACHMENTS FILED  
WITH THE CLERK OF THE BOARD

**3.36**

The Honorable Board of Supervisors

Re: Maintenance Agreement between the County of Riverside and the State of California

Department of Transportation (Caltrans) for a proposed interchange at I-10 and Bob Hope Drive

May 11, 2009

Page 2 of 2

Hope Drive. The existing westbound on and off ramps and the eastbound off ramp will be removed from the Ramon Road interchange. The access provided by these existing ramps will be replaced with access provided by the new Bob Hope Drive interchange. The existing bridge overcrossing and eastbound on ramp at Ramon Road will remain.

The terms of this agreement assign the County with responsibility for maintenance of certain specific elements of the project improvements. The specific elements include architectural enhancements desired by the County, City of Rancho Mirage and the Agua Caliente Band of Cahuilla Indians.

The Agua Caliente Band of Cahuilla Indians' are willing to fund the future maintenance cost of the proposed enhancements, however, Caltrans is unable to contract directly with the Agua Caliente Band of Cahuilla Indians to perform the necessary maintenance services. The County has been asked to act as an intermediary to facilitate the maintenance of the architectural enhancements. In order to accommodate this request, the County will enter into separate agreements with Caltrans (this agreement - to perform the required maintenance services) and with the Agua Caliente Band of Cahuilla Indians (future agreement - to obtain reimbursement for maintenance services that are provided).

Work Order No. A4-0747

**AGREEMENT FOR MAINTENANCE OF THE INTERSTATE-10/  
BOB HOPE DRIVE INTERCHANGE IN THE COUNTY OF RIVERSIDE**

THIS AGREEMENT is made and entered into in duplicate, effective this \_\_\_\_\_ day of \_\_\_\_\_, 200\_\_, by and between the State of California, acting by and through its Department of Transportation, hereinafter referred to as "STATE" and the COUNTY of RIVERSIDE hereinafter referred to as "COUNTY", and collectively referred to as "PARTIES."

**WITNESSETH:**

- A. WHEREAS, Cooperative Agreement No. 1379 was executed between COUNTY and STATE to construct Interstate 10 (I-10)/Bob Hope Drive extension and interchange realignment with Ramon Road, near the Thousand Palms area, hereinafter referred to as "PROJECT", and
- B. WHEREAS, in accordance with the said Cooperative Agreement it was agreed by PARTIES that prior to or upon PROJECT completion, COUNTY and STATE will enter into a maintenance agreement.
- C. WHEREAS, the PARTIES hereto mutually desire to clarify the division of maintenance responsibility, as defined in section 27 of the California Streets and Highways Code, and their respective responsibilities as to PROJECT constructed under the Cooperative Agreement No. 1379.
- D. WHEREAS there is an existing Freeway Maintenance Agreement 06-08-014 with COUNTY of RIVERSIDE, dated August 29, 2006. This Agreement is not meant to replace or supersede the earlier agreement/agreements.

**NOW THEREFORE, IT IS AGREED:**

- 1. Exhibits A1-A22 consists of plan drawings that delineated the areas within STATE right of way which are the responsibility of the COUNTY to maintain in accordance with this Maintenance Agreement.
- 2. COUNTY must obtain the necessary Encroachment Permits from STATE's District 8 Encroachment Permit Office prior to entering STATE right of way to perform COUNTY maintenance responsibilities. This permit will be issued at no cost to COUNTY.
- 3. **VEHICULAR AND PEDESTRIAN OVERCROSSING**
  - 3.1 COUNTY, at COUNTY expense, will maintain the deck surfacing (and shall perform such work as may be necessary to ensure an impervious and/or otherwise suitable surface) and all portions of the structure above the bridge deck. The bridge structural maintenance shall be as provided for in Article 3.2 hereinbelow. The above deck portions include, but not limited to, screening, railing posts, illuminated pipe rails, lighting installations, all traffic service facilities provided for the benefit

or control of pedestrian traffic such as guide and regulatory signs, bollards and striping, debris and graffiti removal from the walls facing the freeway and the COUNTY traffic .

3.2 STATE will maintain, at STATE expense, the structural integrity of the overcrossing of I-10 below the deck surface.

3.3 At such locations as shall be determined by STATE, screening shall be placed on STATE freeway overpasses on which pedestrians are allowed as directed by section 92.6 of the Streets and Highways Code. All screens installed under this program will be maintained by STATE, at STATE expense except as provided in Article 3.4.1 hereinbelow.

3.4.1 COUNTY, at COUNTY expense, will maintain the architectural treatments to the slope pavement, columns, and the chain link railing provided for pedestrian screening above the bridge deck.

#### 4. INTERCHANGE OPERATION

It is STATE'S responsibility to provide efficient operation of freeway interchanges, including ramp connections to local streets and roads.

#### 5. LEGAL RELATIONS AND RESPONSIBILITIES:

5.1 Nothing within the provisions of this Agreement is intended to create duties or obligations to or rights in third parties not parties to this Agreement or to affect the legal liability of a PARTY to the Agreement by imposing any standard of care with respect to the operation and maintenance of STATE highways and local facilities different from the standard of care imposed by law.

5.2 Neither COUNTY nor any officer or employee thereof is responsible for any injury, damage or liability occurring by reason of anything done or omitted to be done by, under or in connection with any work, authority or jurisdiction conferred upon STATE under this Agreement. It is understood and agreed that STATE shall fully defend, indemnify and save harmless COUNTY and all of their officers and employees from all claims, suits or actions of every name, kind and description brought forth under, including, but not limited to, tortious, contractual, inverse condemnation or other theories or assertions of liability occurring by reason of anything done or omitted to be done by STATE under this Agreement.

5.3 Neither STATE nor any officer or employee thereof is responsible for any injury, damage or liability occurring by reason of anything done or omitted to be done by COUNTY under or in connection with any work, authority or jurisdiction conferred upon COUNTY under this Agreement. It is understood and agreed that COUNTY shall fully defend, indemnify and save harmless STATE and all

of its officers and employees from all claims, suits or actions of every name, kind and description brought forth under, including, but not limited to, tortious, contractual, inverse condemnation or other theories or assertions of liability occurring by reason of anything done or omitted to be done by COUNTY under this Agreement.

6. EFFECTIVE DATE

This Agreement shall be effective upon the date appearing on its face, and shall remain in full force and effect until amended or terminated at any time upon mutual consent of the parties or until terminated by STATE for cause. It is being understood and agreed, however, that the execution of this Agreement shall not affect any pre-existing obligations of COUNTY to maintain other designated areas until a written notice from STATE has been issued that work in such areas, which COUNTY has agreed to maintain pursuant to the terms of an agreement, has been completed.

*The PARTIES are empowered by Street and Highways Code section 114 & 130 to enter into this Agreement and has delegated to the undersigned the authority to execute this Agreement on behalf of the respective agencies and covenants to have followed all the necessary legal requirements to validly execute this Agreement.*

IN WITNESS WHEREOF, the parties hereto have set their hands and seals the day and year first above written.

COUNTY OF RIVERSIDE

STATE OF CALIFORNIA  
DEPARTMENT OF TRANSPORTATION

BY \_\_\_\_\_

WILL KEMPTON  
Director of Transportation

ATTEST:

BY \_\_\_\_\_  
COUNTY Clerk

BY Stephen R. Pusey  
STEPHEN R. PUSEY  
Deputy District Director  
Maintenance

APPROVED AS TO FORM:

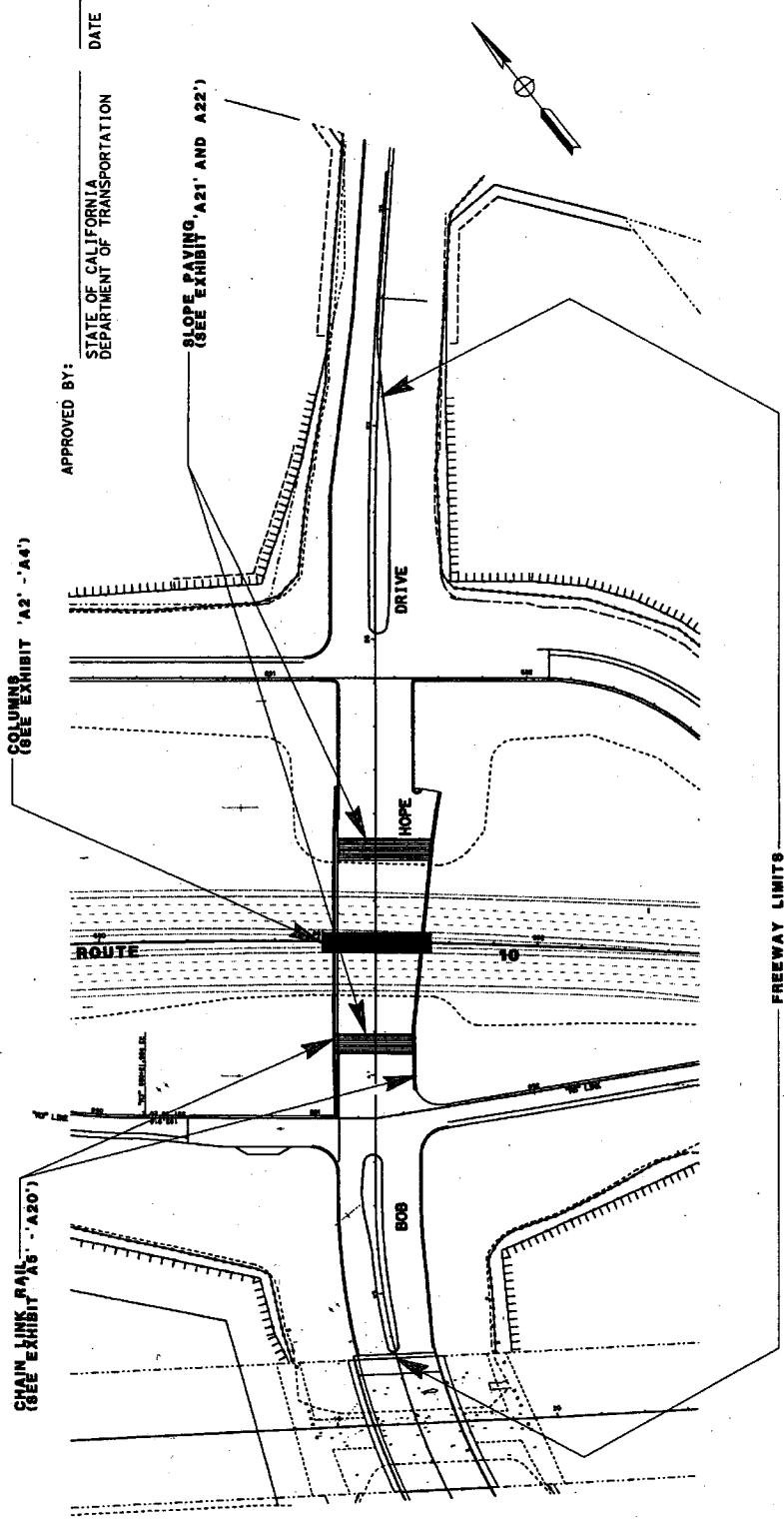
BY Marsha L. Victor 5/6/09  
COUNTY Attorney  
Marsha L. Victor

BY \_\_\_\_\_  
\*\*Legal Attorney  
Department of Transportation

*\*\*Approval by STATE'S Attorney is not required unless changes are made to this form, in which case, the draft will be submitted to Headquarters for review and approval by STATE's Attorney as to form and procedures.*

APPROVED BY: COUNTY OF RIVERSIDE DATE

APPROVED BY: STATE OF CALIFORNIA DEPARTMENT OF TRANSPORTATION DATE



**LEGEND**



SLOPE PAVING AREA TO BE MAINTAINED BY THE COUNTY. (SEE EXHIBIT 'A21' AND 'A22' )



COLUMNS TO BE MAINTAINED BY THE COUNTY. (SEE EXHIBIT 'A2' - 'A4' )



CHAIN LINK RAILING TO BE MAINTAINED BY THE COUNTY. (SEE EXHIBIT 'A5' - 'A20' )

RIV 10 - PM 41.3/44.6

EXHIBIT "A1"

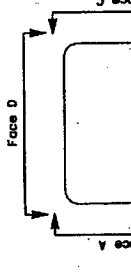
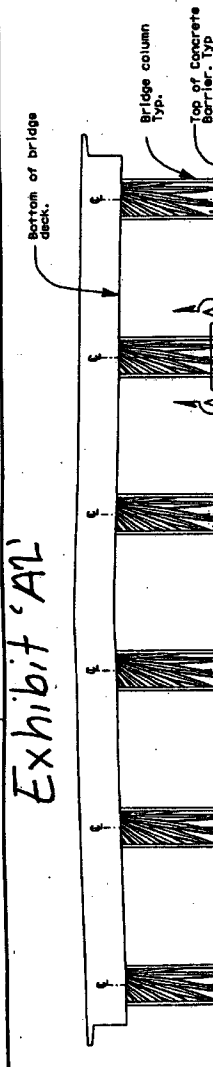
BOB HOPE DRIVE O.C.

Exhibit 'A'

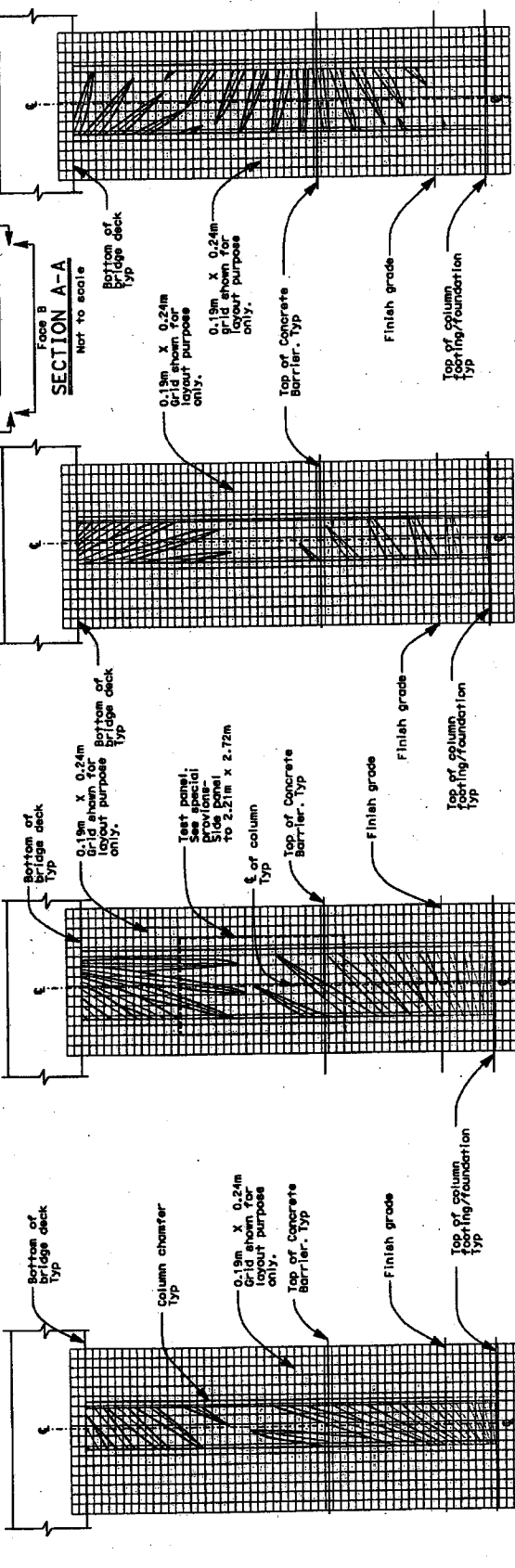
DATE	COUNTY	ROUTE	MILEAGE FROM POST MILE MARK	NO. OF SHEETS
8	RIV	10		

REGISTERED CIVIL ENGINEER DATE 08-11-08  
 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.)  
 22 Engineering and Environmental Design  
 10000 Wilshire Blvd., Suite 200  
 Beverly Hills, California 90210

**Notes:**  
 1. Construction details of bridge columns refer to Bent Layout, Bent Details No. 1, Bent Details No. 2, and Bent Details No. 3. All columns to be reinforced per special provisions. Reinforcement shall be placed in plain concrete.  
 2. All columns to be finished with a color finish. The color finish shall be applied to the entire surface of the column. The color finish shall be applied to the entire surface of the column. The color finish shall be applied to the entire surface of the column.  
 3. The four sides of the largest bridge column located at Sta 69+31.032 of a height of 5.03m shall be finished with a color finish. The color finish shall be applied to the entire surface of the column. The color finish shall be applied to the entire surface of the column.  
 4. The remaining bridge columns shall be finished with a color finish. The color finish shall be applied to the entire surface of the column. The color finish shall be applied to the entire surface of the column.  
 5. The color finish shall be applied to the entire surface of the column. The color finish shall be applied to the entire surface of the column. The color finish shall be applied to the entire surface of the column.



BRIDGE COLUMN ELEVATION  
Not to scale

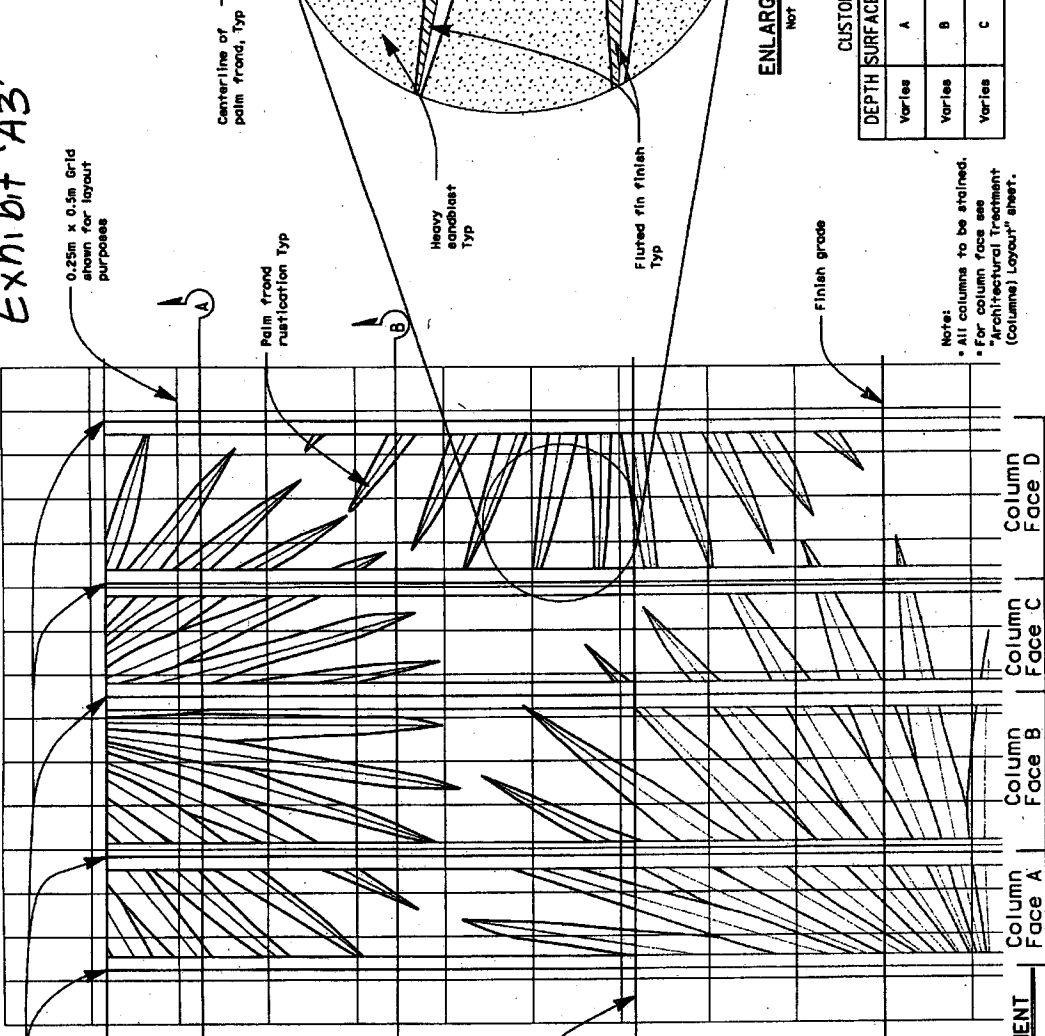


PREPARED FOR THE <b>STATE OF CALIFORNIA</b> DEPARTMENT OF TRANSPORTATION		PROJECT NO. 58-0911		SHEET NO. 23	
DRAWN BY J. C. BROTHMAN		PROJECT ENGINEER L. S. BOYAN		ARCHITECTURAL TREATMENT (COLUMNS) LAYOUT 69.1	
CHECKED BY J. J. ENGLISH		DATE 5-05-08		ALL DIMENSIONS ARE IN MILLIMETERS UNLESS OTHERWISE SHOWN	
DATE OF DATE 08-20-08		PROJECT NO. 58-0911		SHEET NO. 23	
SPECIAL NOTES SEE SPECIAL NOTES SHEET 20 OF 28		PROJECT NO. 58-0911		SHEET NO. 23	



Exhibit 'A3'

DIST COUNTY ROUTE MILE POSTS SHEET NO. TOTAL SHEETS  
 08 RIV TO  
 REGISTERED CIVIL ENGINEER DATE 05-11-08  
 J.L.S. CHIU  
 CIVIL  
 PLUS APPROVAL DATE  
 42 Engineering and Environmental Design  
 4648 East Cotton Gin Loop, Suite B2  
 Phoenix, Arizona 85006



For section 'A-A', see "Architectural Treatment (Columns) Finish Sections" sheet.  
 For section 'B-B', see "Architectural Treatment (Columns) Finish Sections" sheet.  
 Top of concrete barrier.

**ENLARGEMENT OF PALM FROND RUSTICATION**  
Not to scale

**CUSTOM RUSTICATION**

DEPTH	SURFACE SYMBOL	FINISH
Varies	A	Smooth concrete, stained color Federal No. 24491
Varies	B	Fluted fin, stained color Federal No. 24491
Varies	C	Heavy sand blast, stained color Federal No. 33722

Notes:  
 • All columns to be stained.  
 • For column face see "Architectural Treatment (Columns) Layout" sheet.

**BRIDGE COLUMN RUSTICATION ENLARGEMENT**  
Not to scale

PREPARED FOR THE  
**STATE OF CALIFORNIA**  
 DEPARTMENT OF TRANSPORTATION

DESIGN NO. 56-0811  
 CONTRACT NO. 89-1  
 DRAWING NO. EA 436001

PROJECT ENGINEER: Lee S. Borch  
 PROJECT DESIGNER: L. Borch  
 CHECKED: J. Borch  
 DATE: 05-11-08

ALL DIMENSIONS ARE IN MILLIMETERS UNLESS OTHERWISE SHOWN

NO.	REVISION	DATE
1	Column Face A	05-05-08
2	Column Face B	05-05-08
3	Column Face C	05-05-08
4	Column Face D	05-05-08

Exhibit 'A4'



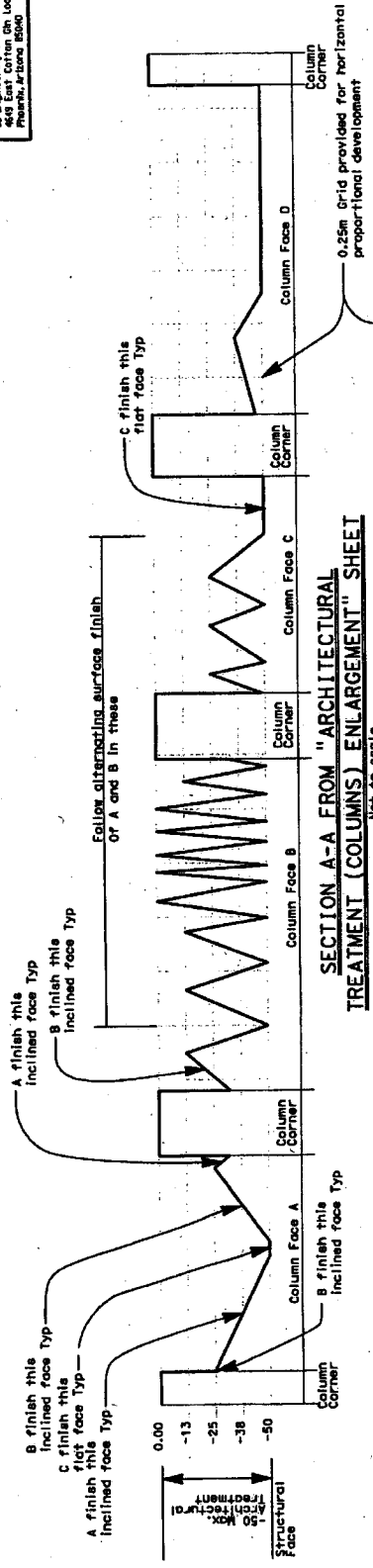
COUNTY: 08 RIV. ROUTE: 10  
 PROJECT NO.: 101A  
 SHEET NO.: 25 OF 44

REGISTERED CIVIL ENGINEER DATE: 05-11-08  
 LICENSE NO.: 12345

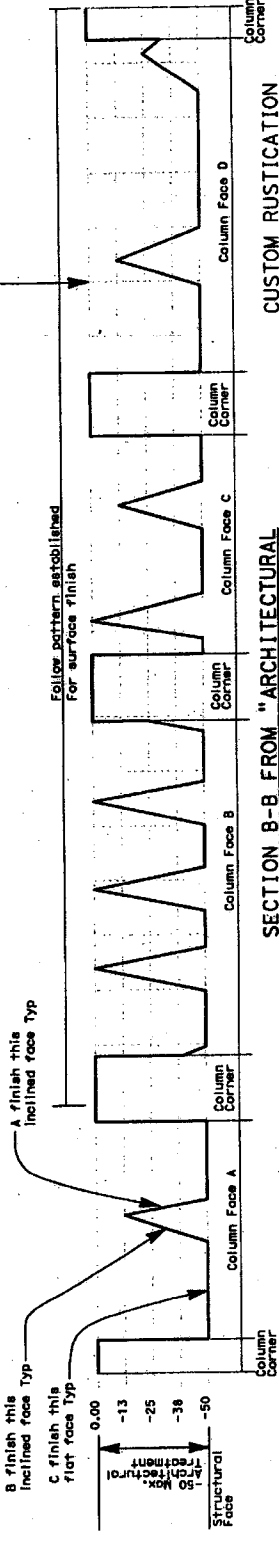
PLANS APPROVAL DATE: 05-11-08  
 APPROVED BY: [Signature]  
 REGISTERED CIVIL ENGINEER DATE: 05-11-08  
 LICENSE NO.: 12345

I, [Name], hereby certify that the above is a true and correct copy of the original plans as submitted to me for approval. I am not responsible for the accuracy or completeness of electronic copies of this plan.

J. Engineering and Environmental Design  
 449 East Cotton on Loop, Suite 82  
 Phoenix, Arizona 85008



SECTION A-A FROM "ARCHITECTURAL TREATMENT (COLUMNS) ENLARGEMENT" SHEET  
NOT TO SCALE



SECTION B-B FROM "ARCHITECTURAL TREATMENT (COLUMNS) ENLARGEMENT" SHEET  
NOT TO SCALE

Notes:  
For Column face see "Architectural Treatment (Columns) Layout" sheet

DEPTH	SURFACE FINISH
VARIABLES	A Smooth concrete, stained color Federal NO. 24491
VARIABLES	B Fluted fin, stained color Federal NO. 24491
-50	C Heavy sand blast, stained color Federal NO. 33722

CUSTOM RUSTICATION

ALL DIMENSIONS ARE IN MILLIMETERS UNLESS OTHERWISE SHOWN

PROJECT NO.: 101A  
 SHEET NO.: 25 OF 44

PREPARED FOR THE STATE OF CALIFORNIA DEPARTMENT OF TRANSPORTATION  
 PROJECT ENGINEER: Lee S. Bostee  
 PROJECT NO.: 69-1  
 DRAWING NO.: EA 456001

CHECKED BY: [Name] DATE: 5-05-08  
 DESIGNED BY: [Name] DATE: 5-05-08  
 DRAWN BY: [Name] DATE: 5-05-08

FILE NO.: 69-1-10-000103

# Exhibit 'AS'

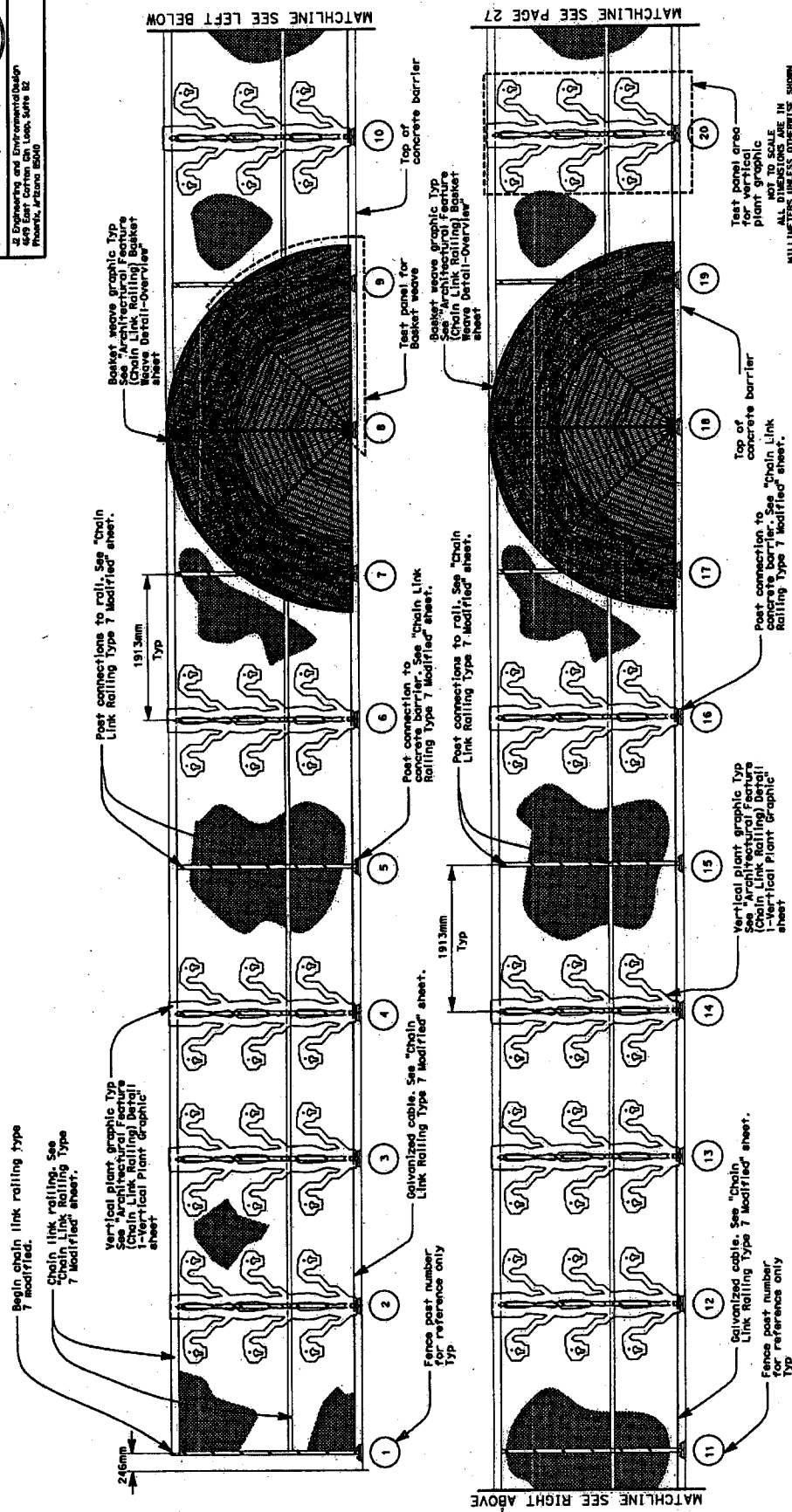
DIST	COUNTY	ROUTE	MILEAGE	POST MILES	POST NO.	POST TYPE
00	RIV	10				

REGISTERED CIVIL ENGINEER DATE: 11/11/08  
 REGISTERED ELECTRICAL ENGINEER DATE: 11/11/08  
 REGISTERED MECHANICAL ENGINEER DATE: 11/11/08  
 REGISTERED PLUMBING ENGINEER DATE: 11/11/08  
 REGISTERED SANITARY ENGINEER DATE: 11/11/08  
 REGISTERED SURVEYOR DATE: 11/11/08  
 REGISTERED WATERWORKS ENGINEER DATE: 11/11/08

PLANS APPROVAL DATE: 11/11/08  
 The State of California is the official seal of the Board of Professional Engineers, Architects, and Surveyors. The Board is responsible for the safety, health, and welfare of the public. The Board is not responsible for the accuracy or completeness of the information on this plan sheet.  
 Engineering and Environmental Design  
 428 East Corten Dr. Los Angeles, CA 90012  
 FRANCISCO, CALIFORNIA 94104



Legend:  
 Type post per "Chain Link Railing Type 7 Modified" sheet. Numbered consecutively starting with the first post.  
 Spacing of post per "Chain Link Railing Type 7 Modified" sheet. Locate chain link railing enhancements per post sequence. Modified graphics align with standard chain link railing post.



PREPARED FOR THE <b>STATE OF CALIFORNIA</b> DEPARTMENT OF TRANSPORTATION		DATE: 11/11/08 DRAWN BY: L. Norman CHECKED BY: L. Norman IN CHARGE: L. Norman	PROJECT NUMBER: 69.1 SHEET NUMBER: 25 OF 44
PROJECT TITLE: <b>BOB HOPE DRIVE OVERCROSSING</b> ARCHITECTURAL FEATURE (CHAIN LINK RAILING) LAYOUT 1-FOUR SIDE		DRAWING NUMBER: EA 456001	SCALE: AS SHOWN



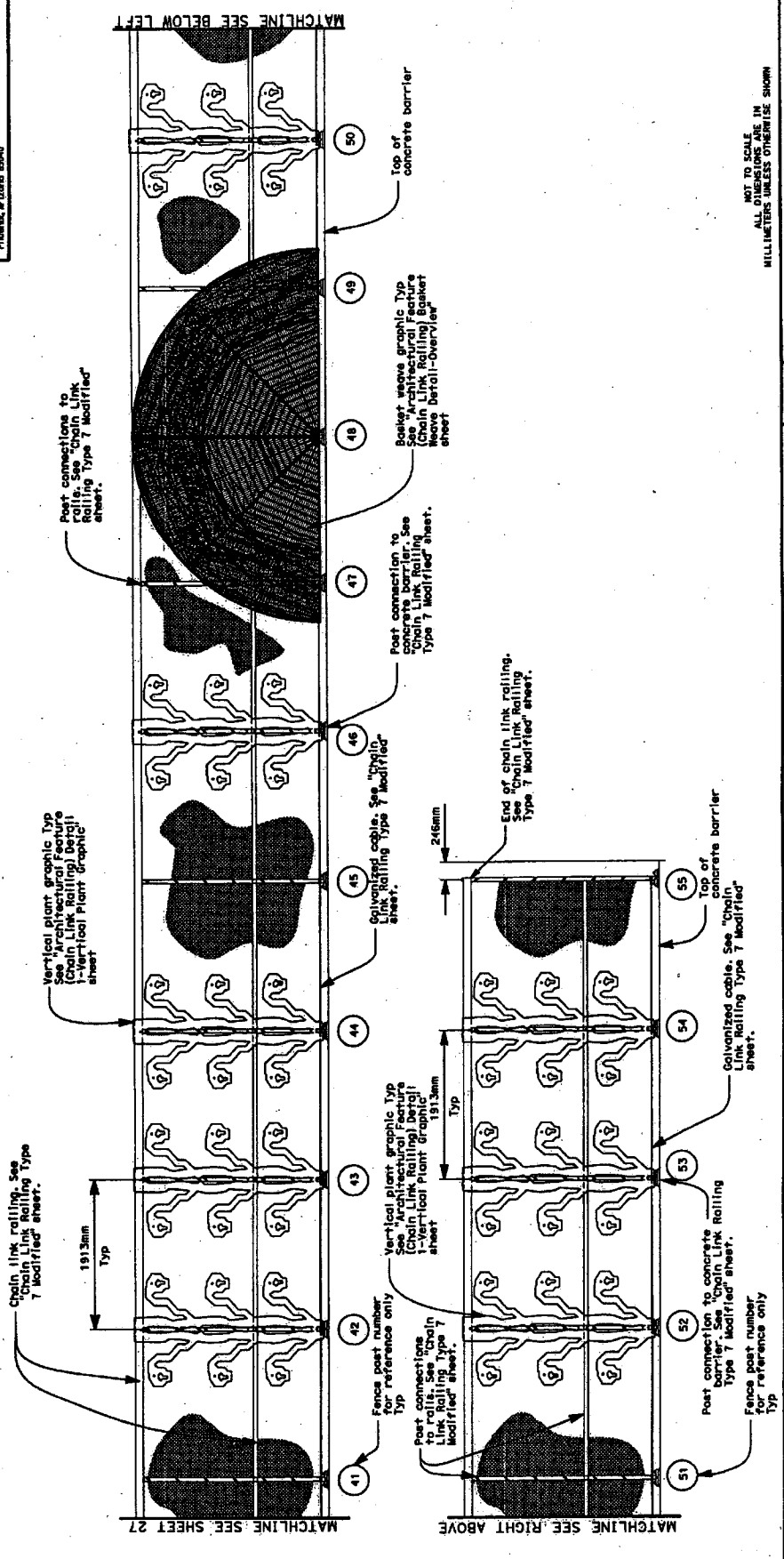
Exhibit 'A7'

DATE	COUNT	ROUTE	TOTAL	PROJECT	SHEET NO.	TOTAL SHEETS
08	RIV	TO				

REGISTERED CIVIL ENGINEER  
 DATE: 08-11-08  
 EXPIRES: 08-11-11  
 NO. 17113  
 STATE OF CALIFORNIA  
 ENGINEERING AND ENVIRONMENTAL DESIGN  
 449 East Cortina Ave, Long, Suite B2  
 Pomona, CA 91768



Legend:  
 ○ Typ post per "Chain Link Railing Type 7 Modified" sheet. Numbered consecutively from beginning post to ending post in "Chain Link Railing Type 7 Modified" sheet. Locate chain link railing enhancements per post sequence.  
 ● Note all chain link railing type 7 modified graphics align with standard chain link railing post.



NOT TO SCALE  
 ALL DIMENSIONS ARE IN MILLIMETERS UNLESS OTHERWISE SHOWN

PREPARED FOR THE <b>STATE OF CALIFORNIA</b> DEPARTMENT OF TRANSPORTATION		PROJECT NO. 56-0811 PROJECT DESIGNER 69.1		SHEET NO. <b>BOB HOPE DRIVE OVERCROSSING</b> ARCHITECTURAL FEATURE (CHAIN LINK RAILING) LAYOUT 3-SOUTH SIDE	
DESIGNER T. Brodman 6-05-08 R. Villalobos 6-05-08 J. Engstrom 6-05-08		DATE 6-05-08 6-05-08 6-05-08		DRAWN BY J. Engstrom 6-05-08 J. Engstrom 6-05-08	
PROJECT NO. CU 08225 EA 45650		DRAWING NO. 08225-01		SCALE AS SHOWN	

DATE PLOTTED = 27-MAR-2008 TIME PLOTTED = 11:08

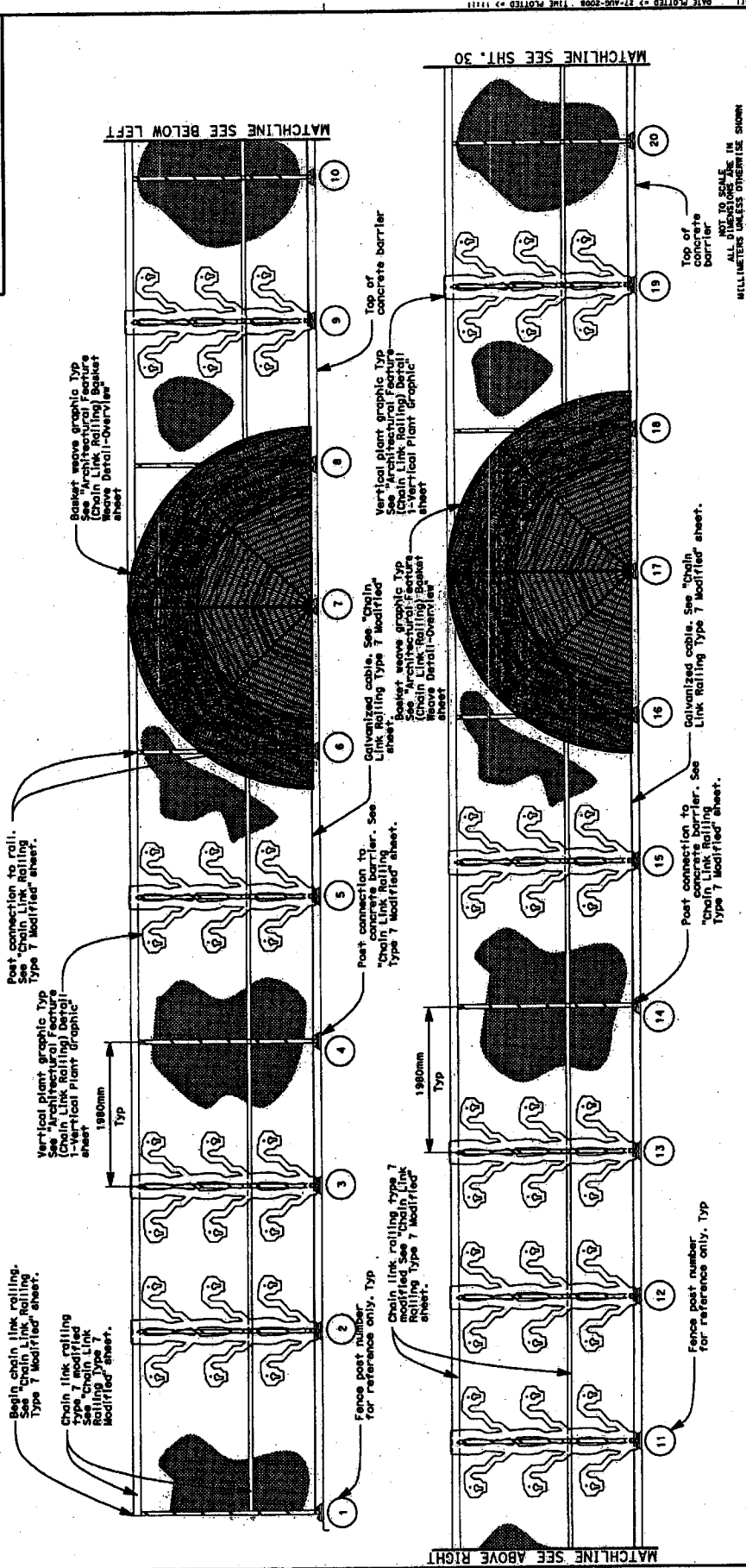


Exhibit 'A8'

DIST	COUNTY	ROUTE	TOTAL LENGTH	SHEET NUMBER
8	RIV	10		25

REGISTERED CIVIL ENGINEER DATE 05-11-08  
 REGISTERED CIVIL ENGINEER DATE 05-11-08  
 REGISTERED CIVIL ENGINEER DATE 05-11-08  
 REGISTERED CIVIL ENGINEER DATE 05-11-08

Legend:  
 ○ Typ post per "Chain Link Railing Type 7 Modified" sheet. Numbered consecutively from left to right.  
 □ Spacing of post per "Chain Link Railing Type 7 Modified" sheet. Locate chain link railing enhancements per post sequence. Modified graphics align with standard chain link railing post.



DESIGNED BY	DATE	SCALE	PROJECT NUMBER
LOUISIANA	05-11-08	AS SHOWN	100-0000
CHECKED BY	DATE	SCALE	PROJECT NUMBER
J. Englemann	05-11-08	AS SHOWN	100-0000
APPROVED BY	DATE	SCALE	PROJECT NUMBER
J. Englemann	05-11-08	AS SHOWN	100-0000
DATE PLOTTED	DATE PLOTTED	DATE PLOTTED	DATE PLOTTED
05-20-08	05-20-08	05-20-08	05-20-08

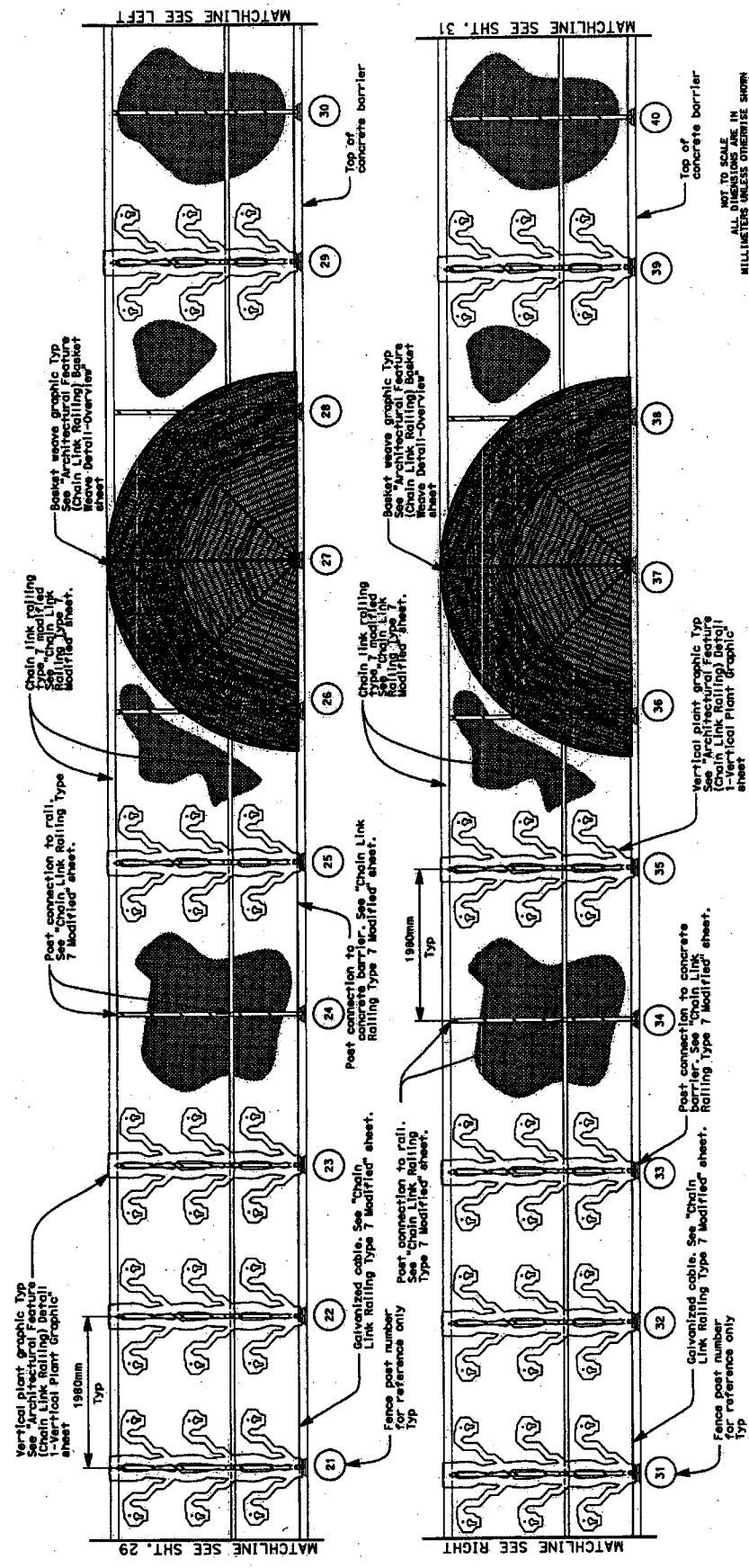
PREPARED FOR THE STATE OF CALIFORNIA DEPARTMENT OF TRANSPORTATION  
 BOB HOPE DRIVE OVERCROSSING ARCHITECTURAL FEATURE (CHAIN LINK RAILING) LAYOUT 1-NORTH SIDE  
 ALL DIMENSIONS IN MILLIMETERS UNLESS OTHERWISE SHOWN

DATE PLOTTED	DATE PLOTTED	DATE PLOTTED	DATE PLOTTED
05-20-08	05-20-08	05-20-08	05-20-08



# Exhibit 'A9'

Legend:  
 1. Chain Link Railing Type 7 Modified - sheet - numbered consecutively from beginning post to ending post.  
 2. Spacing of post per Chain Link Railing Type 7 Modified - sheet - numbered consecutively from beginning post to ending post.  
 3. Note all chain link railing type 7 modified graphics align with standard chain link railing post.



NOT TO SCALE  
 ALL DIMENSIONS IN MILLIMETERS UNLESS OTHERWISE SHOWN

DIST.	COUNTY	ROUTE	MILE OR FRACTION	SHEET NO.	TOTAL SHEETS
6	RIV	10			

REGISTERED CIVIL ENGINEER DATE 06-11-06  
 U.S. BRIDGE ENGINEERING & DESIGN, INC.  
 22 Engineering and Environmental Design  
 1000 West 10th Street, Suite 2E  
 Phoenix, Arizona 85009

DESIGNER	DATE	PROJECT NO.	PROJECT NAME
U.S. BRIDGE ENGINEERING & DESIGN, INC.	06-11-06	09-1	BOB HOPE DRIVE OVERCROSSING
CHECKED BY	DATE	PROJECT NO.	PROJECT NAME
U.S. BRIDGE ENGINEERING & DESIGN, INC.	06-11-06	09-1	BOB HOPE DRIVE OVERCROSSING
APPROVED BY	DATE	PROJECT NO.	PROJECT NAME
U.S. BRIDGE ENGINEERING & DESIGN, INC.	06-11-06	09-1	BOB HOPE DRIVE OVERCROSSING

PREPARED FOR THE STATE OF CALIFORNIA DEPARTMENT OF TRANSPORTATION  
 PROJECT NO. 09-1  
 SHEET NO. 30 OF 44



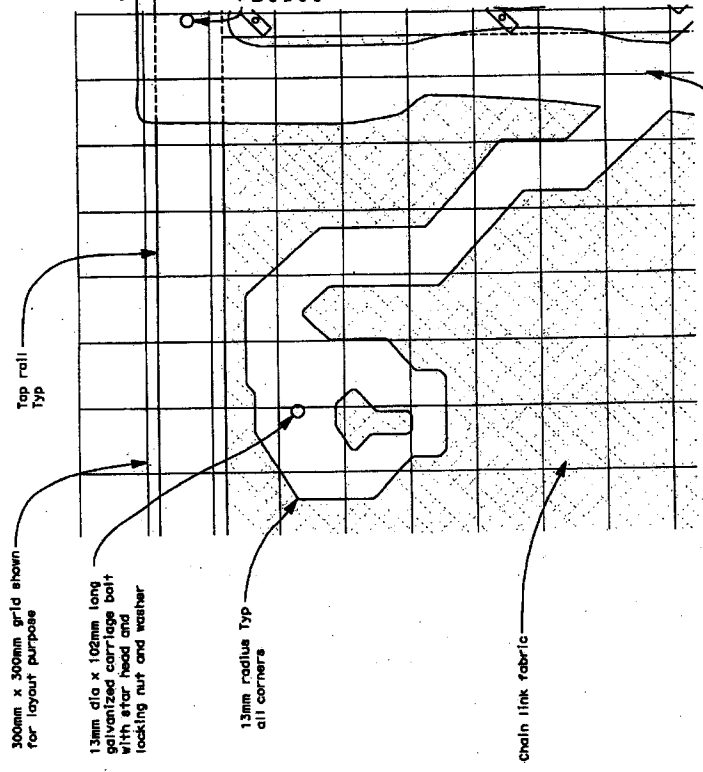
Exhibit A11



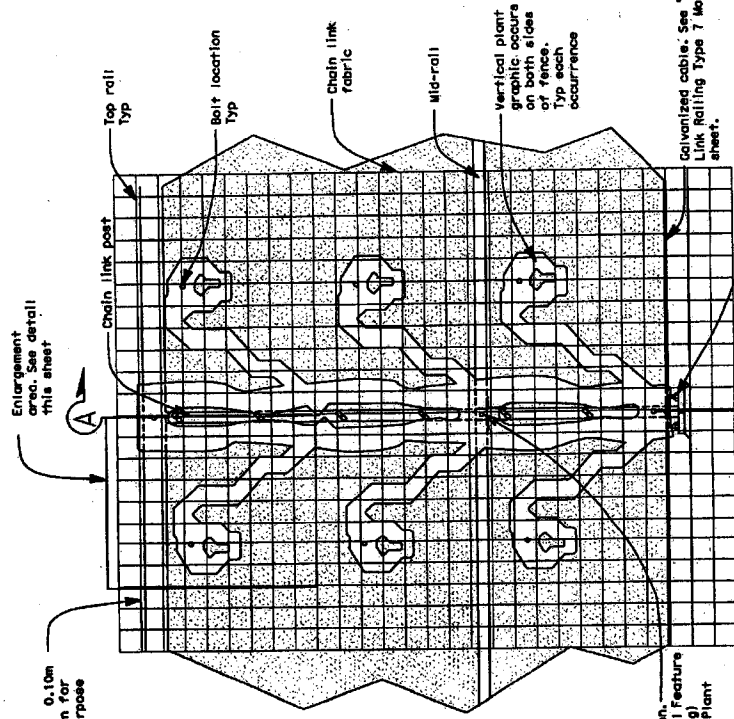
DIST	COUNTY	ROUTE	POST MILE	SHEET NO.	TOTAL SHEETS
8	RIV	10			

05-11-00  
 REGISTERED CIVIL ENGINEER DATE  
 PLANS APPROVAL DATE  
 The State of California or the authority or agent  
 responsible for the design and construction of this project  
 is not responsible for the construction or electrical safety of this project.

31 Engineers, Inc. 2000 Westwood Building  
 424 East Cotton Dr. Los Angeles, CA 90008  
 Phone: 310-206-8840



VERTICAL PLANT GRAPHIC ENLARGEMENT  
 NOT TO SCALE



VERTICAL PLANT GRAPHIC LAYOUT  
 NOT TO SCALE

Gordon Donko ARCHITECT		C. Bradburn 6-05-08		PREPARED FOR THE STATE OF CALIFORNIA		95-0811		BOB HOPE DRIVE OVERCROSSING	
DATE: 06-20-08		R. Villalobos 6-05-08		DEPARTMENT OF TRANSPORTATION		95-0811		ARCHITECTURAL FEATURE CHAIN LINK RAILING	
SHEET NO. 06-20-08		J. Engemann 6-05-08		PROJECT NUMBER		95-1		DETAIL 1-VERTICAL PLANT GRAPHIC	
SHEET DATE		DATE		PROJECT ENGINEER		SHEET NO.		SHEET NO.	
				Lee S. Borch		32		44	
				CU 08225					
				EA 456001					

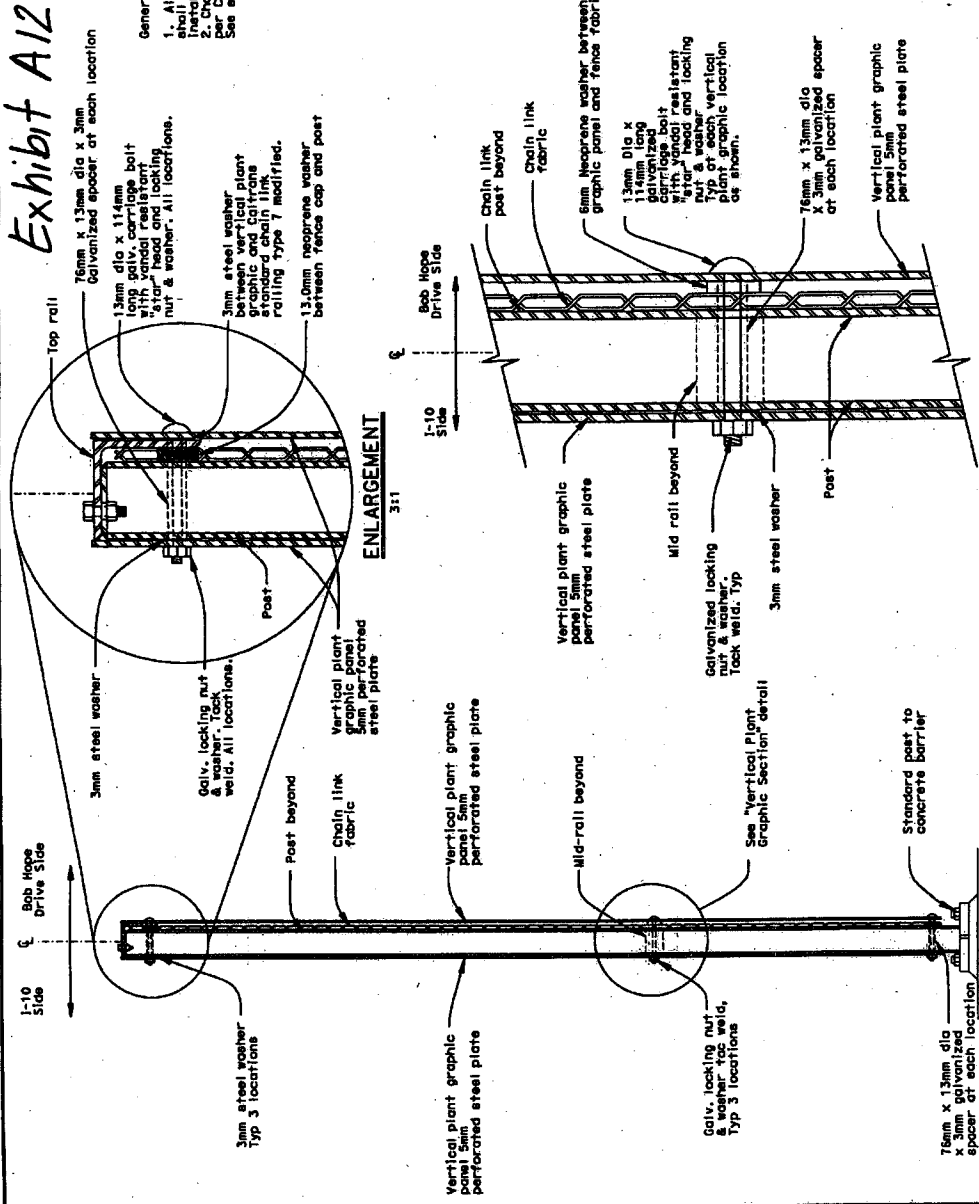
ALL DIMENSIONS ARE IN MILLIMETERS UNLESS OTHERWISE SHOWN

DATE PLOTTED: 02-20-08 10:28

# Exhibit A12

COUNTY ROUTE 10  
 RIV 10  
 REGISTERED CIVIL ENGINEER DATE 06-11-08  
 J.E. BOYD  
 CIVIL  
 ENGINEER  
 STATE OF CALIFORNIA  
 EXPIRES 06-11-16  
 PLANS APPROVAL DATE  
 THE STATE OF CALIFORNIA, DEPARTMENT OF TRANSPORTATION, AND THE PUBLIC WORKS AGENCY OF THIS STATE HEREBY APPROVE THE PRESENTATION OF THIS PLAN SHEET.  
 J.E. Boyd  
 22 Engineering and Environmental Design  
 484 East Cotton on Loop, Suite 82  
 Phoenix, Arizona 85008

**General Notes**  
 1. All bolts, welds and connections are to be installed in accordance with the specifications for steel construction per California standard type 7 modified. See structural plans.  
 2. Chain link railing to be constructed per California standard type 7 modified. See structural plans.



**VERTICAL PLANT GRAPHIC SECTION A-A**  
 Not to scale  
 Note: For Section "A-A" see "Chain Link Railing Detail 1-Vertical Plant Graphic sheet".

**VERTICAL PLANT GRAPHIC SECTION 3-11**  
 Not to scale

**MID RAIL CONNECTION ELEVATION DETAIL ENLARGEMENT**  
 Not to scale

ALL DIMENSIONS ARE IN MILLIMETERS UNLESS OTHERWISE SHOWN

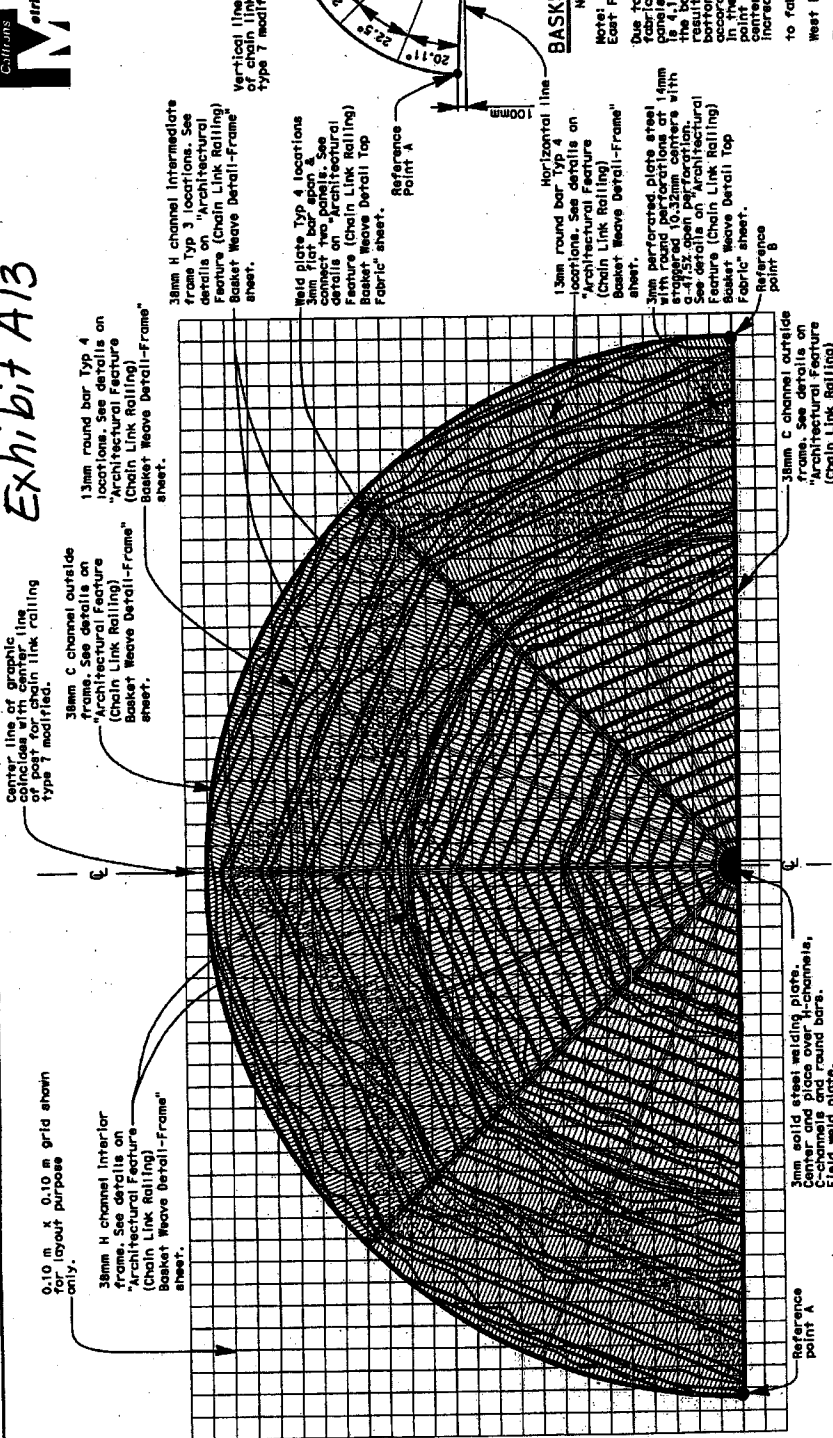
GORDON DANKS DESIGN ARCHITECT 06-20-08 1515 17TH ST. SUITE 200 BERKELEY, CA 94710	PREPARED FOR THE <b>STATE OF CALIFORNIA</b> DEPARTMENT OF TRANSPORTATION	PROJECT ENGINEER Lee S. Moran CU 08225 EA 451001	ARCHITECTURAL FEATURE (CHAIN LINK RAILING) DETAIL 2-VERTICAL PLANT GRAPHIC	SHEET NO. 33 OF 44
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# Exhibit A13

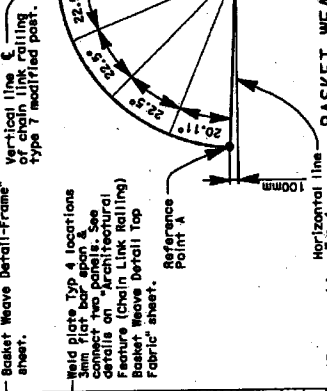
DIST	COUNTY	ROUTE	SECTION	POST MILE	POST MILE
8	RIV	10			

REGISTERED CIVIL ENGINEER DATE: 06-11-08  
 PLUS APPROVAL DATE: 06-11-08  
 THE STATE OF CALIFORNIA OR ITS OFFICES OR AGENTS SHALL NOT BE HELD RESPONSIBLE FOR THE ACCURACY OR COMPLETENESS OF INFORMATION CONTAINED IN THIS DRAWING.  
 25 Technology and Environmental Design  
 4640 East Cotton Gin Loop, Suite B2  
 Phoenix, Arizona 85040



**DETAIL 1. COMPOSITE BASKET WEAVE GRAPHIC LAYOUT**  
 Not to scale

Notes:  
 1. All bolts, welds and connections shall be reviewed by Caltrans prior to installation and during construction or fabrication.



**BASKET WEAVE GRAPHIC ANGLE**  
 Not to scale

Note:  
 East Facing Basket Weave Graphics:  
 Due to bridge vertical curve contractors shall fabricate all east facing basket weave graphics at the bottom of the Chain Link Railing. This will result in all east facing basket weave graphics according to compensate for the vertical curve. In the worst case the wedge from center line to point A shall be increased by 100mm. In the worst case the wedge from center line to point B shall be increased by 100mm.

West Facing Basket Weave Graphics:  
 The west facing basket weave graphic panels is a mirrored image of the east facing basket weave graphic panels.

Center line of graphic line coincides with center line of chain link railing type 7 modified.

38mm H channel interior frame. See details on "Architectural Feature (Chain Link Railing) Basket Weave Detail-Frame" sheet.

38mm C channel outside frame. See details on "Architectural Feature (Chain Link Railing) Basket Weave Detail-Frame" sheet.

13mm round bar Type 4 locations. See details on "Architectural Feature (Chain Link Railing) Basket Weave Detail-Frame" sheet.

3mm flat bar Type 4 locations. See details on "Architectural Feature (Chain Link Railing) Basket Weave Detail-Frame" sheet.

3mm perforated plate steel with round perforations or 9-1/32" open perforation. See details on "Architectural Feature (Chain Link Railing) Basket Weave Detail-Frame" sheet.

38mm C channel outside frame. See details on "Architectural Feature (Chain Link Railing) Basket Weave Detail-Frame" sheet.

Top aesthetic fabric shall be Z-slat-Z as shown on attached detail. See "Architectural Feature (Chain Link Railing) Aesthetic Fabric Detail 1" sheet.

Bottom aesthetic fabric shall be Triple Slant as shown on attached detail. See "Architectural Feature (Chain Link Railing) Aesthetic Fabric Detail 1" sheet.

1/4" wire rope aesthetic fabric. Tack weld to frame.

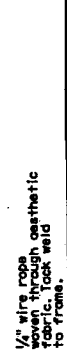
3mm solid steel welding plate. Center and place over H-channels. Field weld plate.

38mm C channel outside frame. See details on "Architectural Feature (Chain Link Railing) Basket Weave Detail-Frame" sheet.

Top aesthetic fabric shall be Z-slat-Z as shown on attached detail. See "Architectural Feature (Chain Link Railing) Aesthetic Fabric Detail 1" sheet.

Bottom aesthetic fabric shall be Triple Slant as shown on attached detail. See "Architectural Feature (Chain Link Railing) Aesthetic Fabric Detail 1" sheet.

1/4" wire rope aesthetic fabric. Tack weld to frame.



Prepared for the STATE OF CALIFORNIA DEPARTMENT OF TRANSPORTATION  
 PROJECT ENGINEER: Lee S. Worth  
 PROJECT NUMBER: CU 08225  
 DRAWING NUMBER: EA 456001

DATE PLOTTED	20-05-2008
SCALE	AS SHOWN
SHEET NO.	34
TOTAL SHEETS	43

ALL DIMENSIONS ARE IN MILLIMETERS UNLESS OTHERWISE SHOWN



# Exhibit A15

COUNTY	ROUTE	SECTION	PROJECT	SHEET NO.
B	RIV	10		

REGISTERED CIVIL ENGINEER DATE 08-11-08

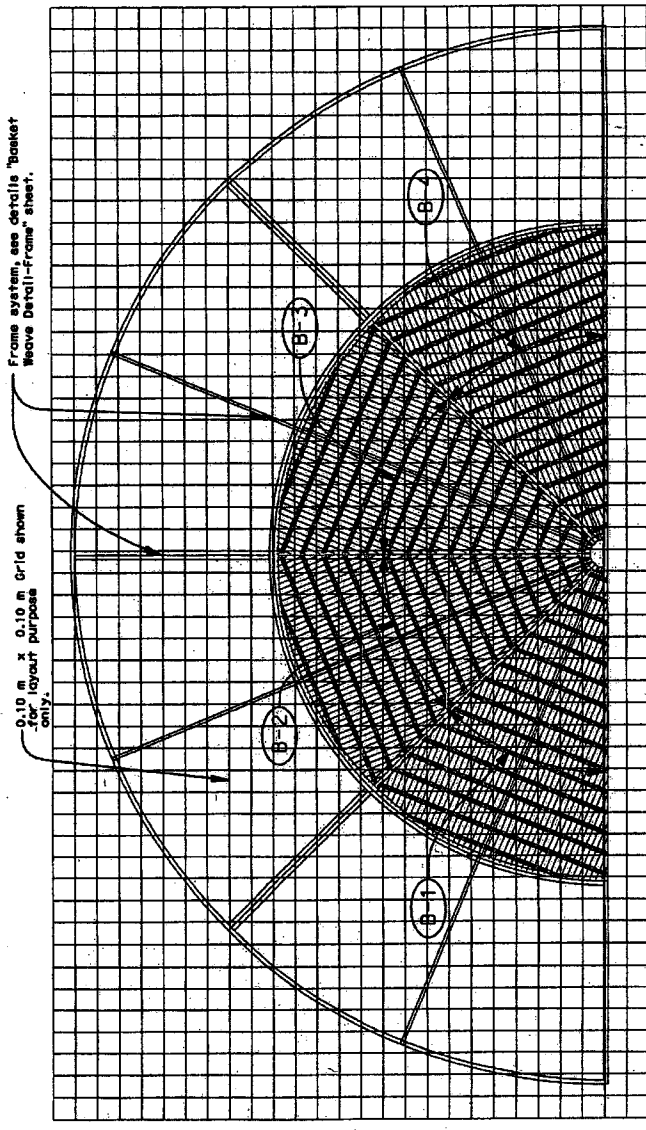
PLEASE APPROVAL DATE

THE STATE OF CALIFORNIA AND ITS OFFICERS AND EMPLOYEES SHALL NOT BE RESPONSIBLE FOR THE ACCURACY OR COMPLETENESS OF ANY INFORMATION OR DATA SUPPLIED BY ANY OTHER PARTY.

JZ Engineering and Environmental Design  
4649 East Cotton Way, Suite 202  
Phoenix, Arizona 85040



- NOTES:
- All welds shall be ground smooth.
  - All steel shall be free of all burrs and sharp edges.
  - Aesthetic fabric ends shall be concealed within the channel frame system and secured within the frame system through a series of field welds.



- Aesthetic fabric shall be slotted fabric 'Triple Shoot' See 'Architectural Feature (Chain Link Railing) Aesthetic Fabric Detail 1" sheet.
- PANEL
- B-1 Aesthetic Fabric orientation At 157.5°
  - B-2 Aesthetic Fabric orientation At 112.5°
  - B-3 Aesthetic Fabric orientation At 67.5°
  - B-4 Aesthetic Fabric orientation At 22.5°

## BASKET WEAVE BOTTOM FENCE FABRIC LAYOUT

Not to scale

ALL DIMENSIONS ARE IN MILLIMETERS UNLESS OTHERWISE SHOWN

Gordon Donke Designer UC-58-08 DATE: 08-11-08 DRAWN BY: Gordon Donke	PREPARED FOR THE <b>STATE OF CALIFORNIA</b> DEPARTMENT OF TRANSPORTATION	PROJECT NO. 56-0811 CONTRACT NO. 69.1	PROJECT ENGINEER Lee S. Worthen PROJECT ENGINEER CU 08225 E.A. 456001	SHEET NO. 36 TOTAL SHEETS 44
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FILE: 56-0811-07(11).DWG

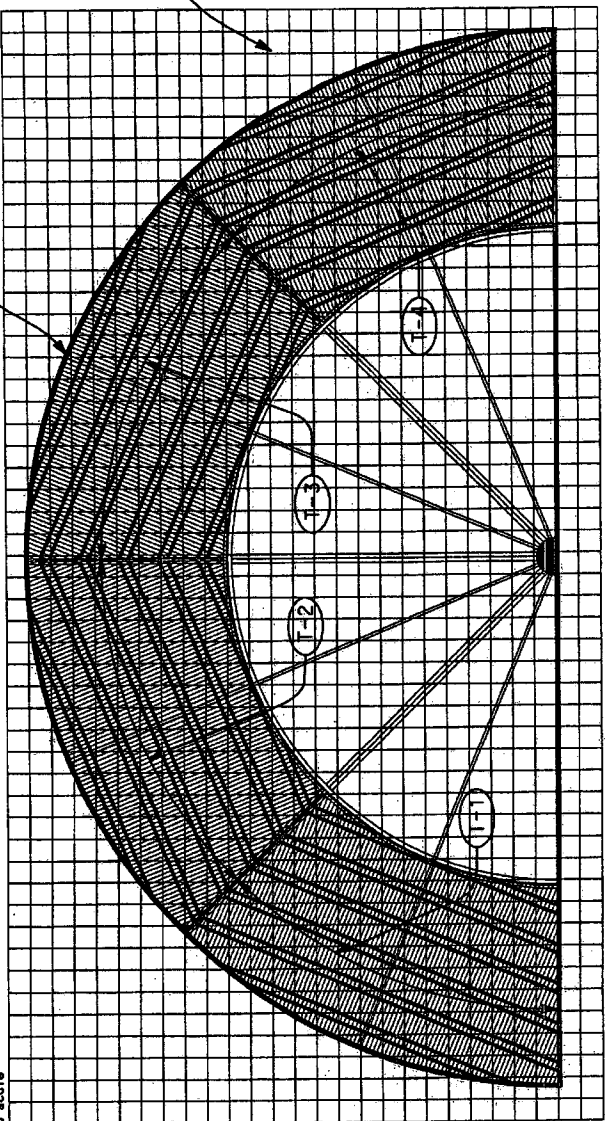
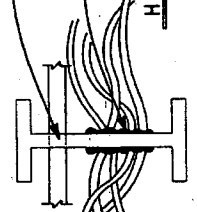
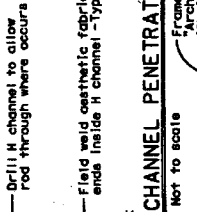


Exhibit A16

DIST	COUNTY	ROUTE	POST MILE	TOTAL SHEETS
8	RTV	10		

REGISTERED CIVIL ENGINEER DATE: 06-11-08  
 U.S. STATE: ARIZONA  
 No. 10-10-08  
 CIVIL ENGINEER

PLANS APPROVAL DATE: 06-11-08  
 OFFICE OF THE REGISTERED CIVIL ENGINEER  
 409 East Cotton On Loop, Suite B2  
 Phoenix, Arizona 85040



BASKET WEAVE MIDDLE FENCE FABRIC LAYOUT  
 Not to scale

- NOTES:
- All welds shall be ground smooth.
  - All steel shall be free of all burrs and sharp edges.
  - Aesthetic fabric ends shall be concealed within the channel frame system and secured within the frame system through a series of field welds.

ALL DIMENSIONS ARE IN MILLIMETERS UNLESS OTHERWISE SHOWN

PROJECT NO.	54-0811
DATE PLOTTED	20-AUG-2008
SCALE	AS SHOWN
TITLE	BOB HOPE DRIVE OVERCROSSING ARCHITECTURAL FEATURE (CHAIN LINK RAILING) BASKET WEAVE DETAIL MIDDLE FABRIC
SHEET NO.	37
TOTAL SHEETS	44

PREPARED FOR THE STATE OF CALIFORNIA DEPARTMENT OF TRANSPORTATION  
 PROJECT ENGINEER: Joe S. Brown  
 CIVIL ENGINEER: CV 05729  
 FILE: 54-0811-07612-00

DATE	BY	REVISION
05-05-08	L. Williams	1. Revision 5-05-08
05-05-08	M. Villalobos	2. Revision 5-05-08
05-05-08	J. Engstrom	3. Revision 5-05-08

DESIGNER	C. Brodzinski
CHECKER	M. Villalobos
DATE	05-20-08
SCALE	AS SHOWN

Exhibit A17

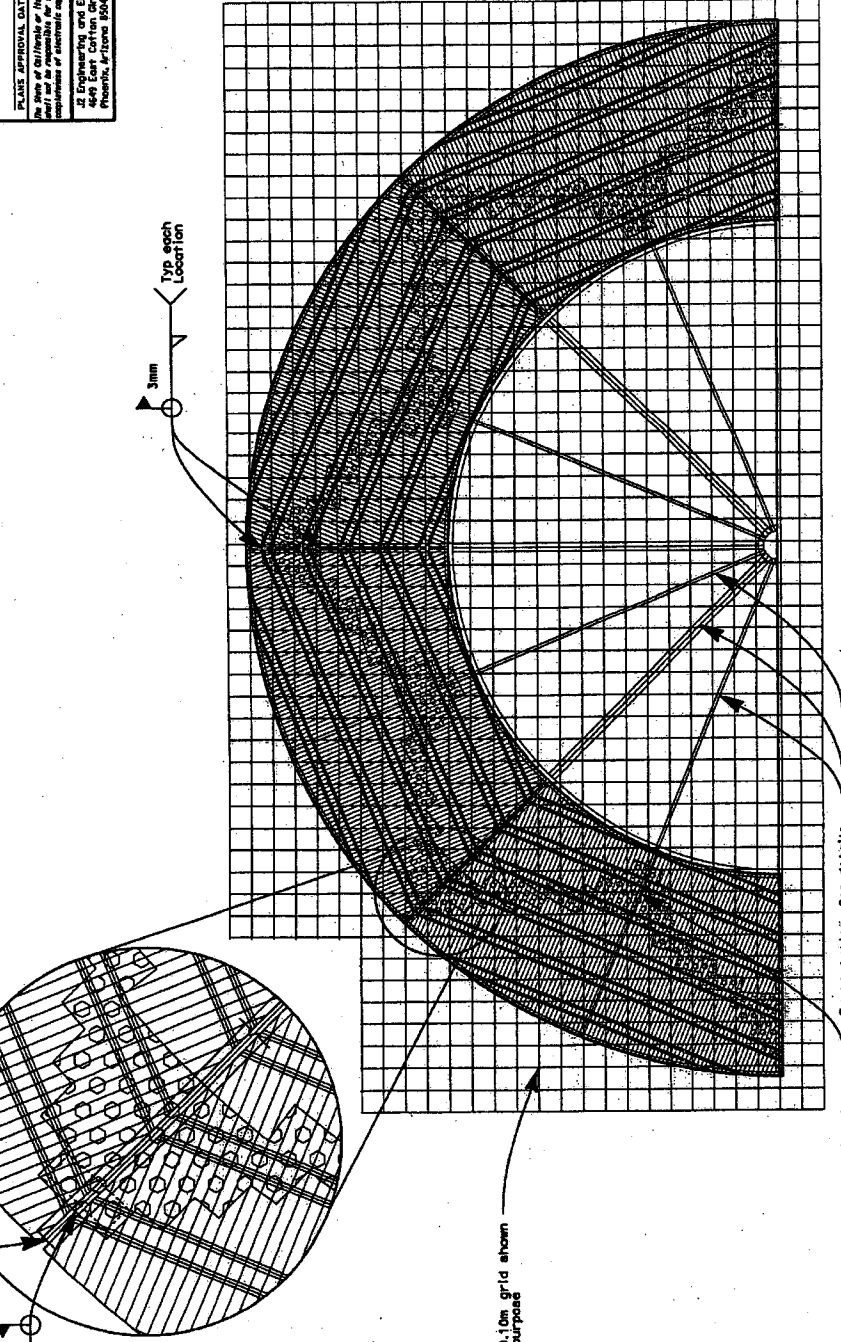
35 mm H channel. See details Architectural Feature (Chain Link Filling) Basket Weave Detail-F-Frame sheet.

DIST	COUNTY	ROUTE	POST MILE	TOTAL SHEETS
8	RIV	10		

REGISTERED CIVIL ENGINEER DATE: 06-11-08  
 ENGINEER: [Signature]  
 PROJECT: [Signature]  
 TITLE: [Signature]  
 LICENSE NO.: [Signature]  
 EXPIRES: [Signature]

PLEASE APPROVAL DATE: [Signature]  
 TITLE: [Signature]  
 LICENSE NO.: [Signature]  
 EXPIRES: [Signature]

J. Engineering and Environmental Design  
 4649 East Cotton Dr. Loop, Suite 80  
 Phoenix, Arizona 85040



Typ each location

3mm  
Typ each location

0.10m x 0.10m grid shown only for your purpose

Basket weave graphic panel 3mm perforated plate steel with round holes. Holes are staggered 10mm centers with a 48% open perforation.

Frame system. See details Architectural Feature (Chain Link Filling) Basket Weave Detail-F-Frame sheet.

DETAIL 1 BASKET WEAVE TOP FENCE FABRIC LAYOUT

Not to scale

ALL DIMENSIONS ARE IN MILLIMETERS UNLESS OTHERWISE SHOWN

Gordon, Dennis DESIGN CONSULTANT 096-20-00 11100 10TH AVE DENVER, CO 80231	PREPARED FOR THE <b>STATE OF CALIFORNIA</b> DEPARTMENT OF TRANSPORTATION DIVISION OF HIGHWAYS 11100 10TH AVE DENVER, CO 80231	PROJECT: [Signature] PROJECT ENGINEER CU 08525 CU 08526 CU 08527 CU 08528 CU 08529 CU 08530 FILE # 09-0811-07013.000	SHEET NO. 38 TOTAL SHEETS 44 DATE PLOTTED: 20-05-2008 TIME PLOTTED: 07:15:58
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Exhibit A18



DIST	COUNTY	ROUTE	ALTERN. NO.	DATE	PROJECT
8	RIV	10			

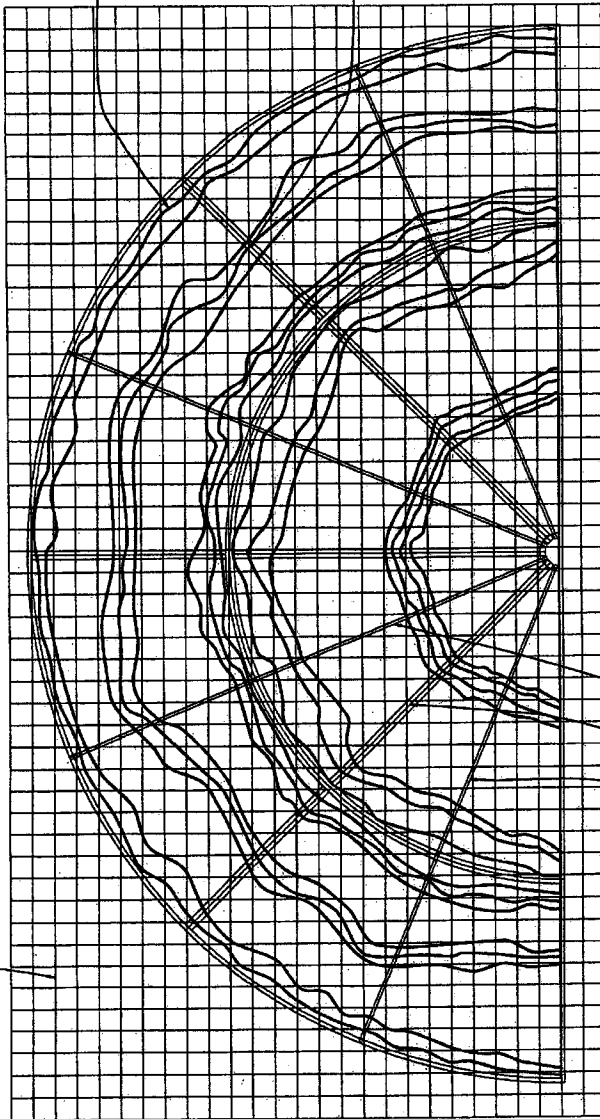
REGISTERED CIVIL ENGINEER DATE 06-11-08

PLANS APPROVAL DATE

THE STATE OF CALIFORNIA, BY THE OFFICE OF THE REGISTERED PROFESSIONAL ENGINEERS

22 Engineering and Environmental Design  
469 East Cotton Dr, Los Angeles, CA 90015

-0.10m x 0.10m grid shown



**WIRE ROPE LAYOUT**  
Not to scale

Frame system. See details 'Architectural Feature (Chain Link Railing) Basket Weave Detail - Frame' sheet.

ALL DIMENSIONS ARE IN MILLIMETERS UNLESS OTHERWISE SHOWN

Gordon Drake DESIGN ASSISTANT 05-20-08 DRAWN BY: GORDON DRAKE, 05/20/08	PREPARED FOR THE <b>STATE OF CALIFORNIA</b> DEPARTMENT OF TRANSPORTATION	PROJECT ENGINEER Lee S. Bores CU 08225 EA 456001	PROJECT NO. 55-0811 SHEET NO. 69.1 PROJECT SHEETS SHEET	<b>BOB HOPE DRIVE OVERCROSSING</b> <b>ARCHITECTURAL FEATURE (CHAIN LINK RAILING)</b> <b>BASKET WEAVE DETAIL WIRE WEAVE</b>	SHEET OF 39 OF 44
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DATE PLOTTED: 03-20-08-2008 TIME PLOTTED: 03:13:02



Exhibit A2D

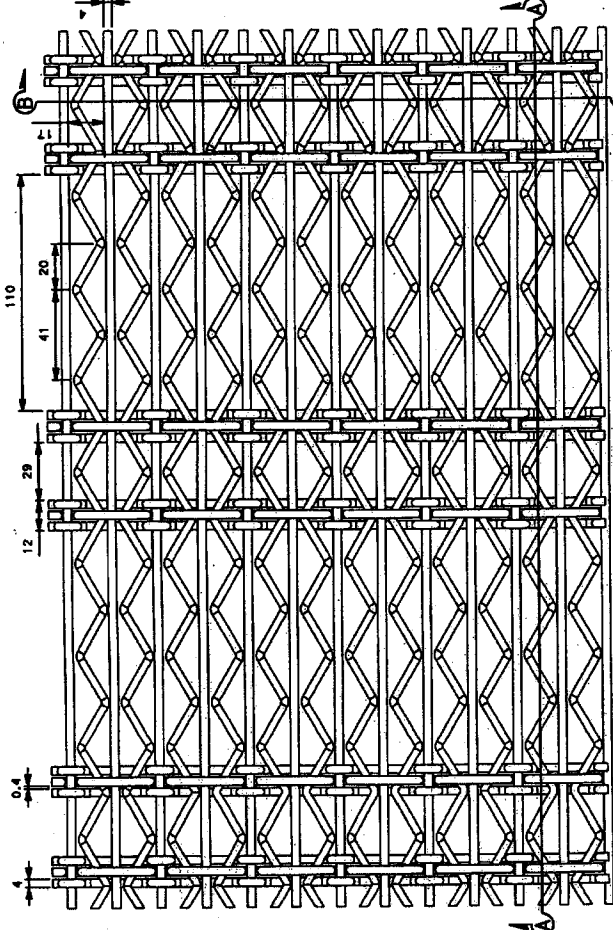
**California**  
**M**  
**Engineering**

DIST. COUNTY ROUTE  
 8 RIV 10

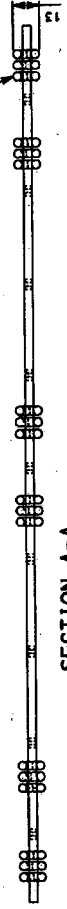
REGISTERED CIVIL ENGINEER DATE: 05-11-09  
 SEAL NO. 123128  
 CIVIL ENGINEER

PLEASE APPROVAL DATE: \_\_\_\_\_  
 The State of California or its officers or agents shall not be held liable for any consequences or liabilities arising from the use of this plan when used in accordance with the provisions of the Public Works Act of 1907.

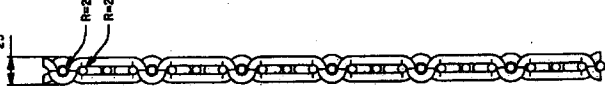
2. Engineering and Engineering Design  
 4649 East Cotton Dr. Loop Suite 102  
 Phoenix, Arizona 85040



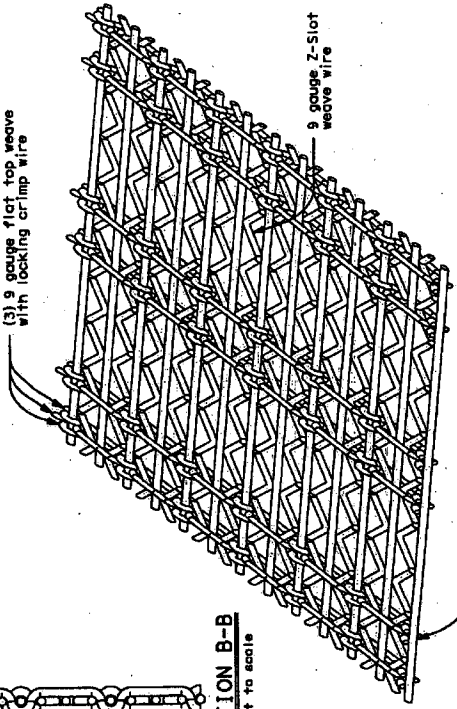
Z-SLOT-Z FENCE FABRIC  
 PLAN VIEW  
 Not to scale



SECTION A-A  
 Not to scale



SECTION B-B  
 Not to scale



Z-SLOT-Z FENCE FABRIC  
 SW ISOMETRIC VIEW  
 Not to scale

- Notes:
1. All wire shall be galvanized.
  2. All ends shall be salvaged or ground smooth.

ALL DIMENSIONS ARE IN MILLIMETERS UNLESS OTHERWISE SHOWN

Gordon Donke Project Engineer 05-26-09		PREPARED FOR THE STATE OF CALIFORNIA DEPARTMENT OF TRANSPORTATION		PROJECT NO. 95-0811		DRAWING NO. ARCHITECTURAL FEATURE (CHAIN LINK RAILING) AESTHETIC FABRIC DETAIL 2		DATE 05-11-09		SHEET NO. 41		TOTAL SHEETS 44	
L. S. Norton PROJECT ENGINEER		PROJECT NO. 95-0811		DRAWING NO. ARCHITECTURAL FEATURE (CHAIN LINK RAILING) AESTHETIC FABRIC DETAIL 2		DATE 05-11-09		SHEET NO. 41		TOTAL SHEETS 44			
CU 08225 EA 45500		PROJECT NO. 95-0811		DRAWING NO. ARCHITECTURAL FEATURE (CHAIN LINK RAILING) AESTHETIC FABRIC DETAIL 2		DATE 05-11-09		SHEET NO. 41		TOTAL SHEETS 44			

# Exhibit A 21

**California**

DIST COUNTY ROUTE 10 RIV 10

REGISTERED CIVIL ENGINEER DATE 06-11-08

PLANS APPROVAL DATE

Seal of the State of California, Department of Industrial Relations, Division of Occupational Safety and Health, State of California, 400 East California Street, Los Angeles, CA 90012



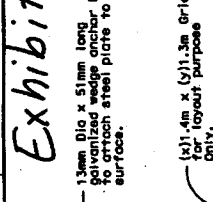
13mm Dia x 51mm long galvanized wedge anchor bolt where shown to attach steel plate to concrete surface.

(x) 1.4m x (y) 1.3m grid shown only.

84 bar dowel 305mm long, spaced at 457mm (on center) Typ

Depth per Slope Paving Full Slope sheet

127mm Typ



**REDWOOD DIVIDER DETAIL**  
Not to scale

51mm x 102mm redwood divider - Typ

84 bar dowel 305mm long, spaced at 457mm (on center) Typ

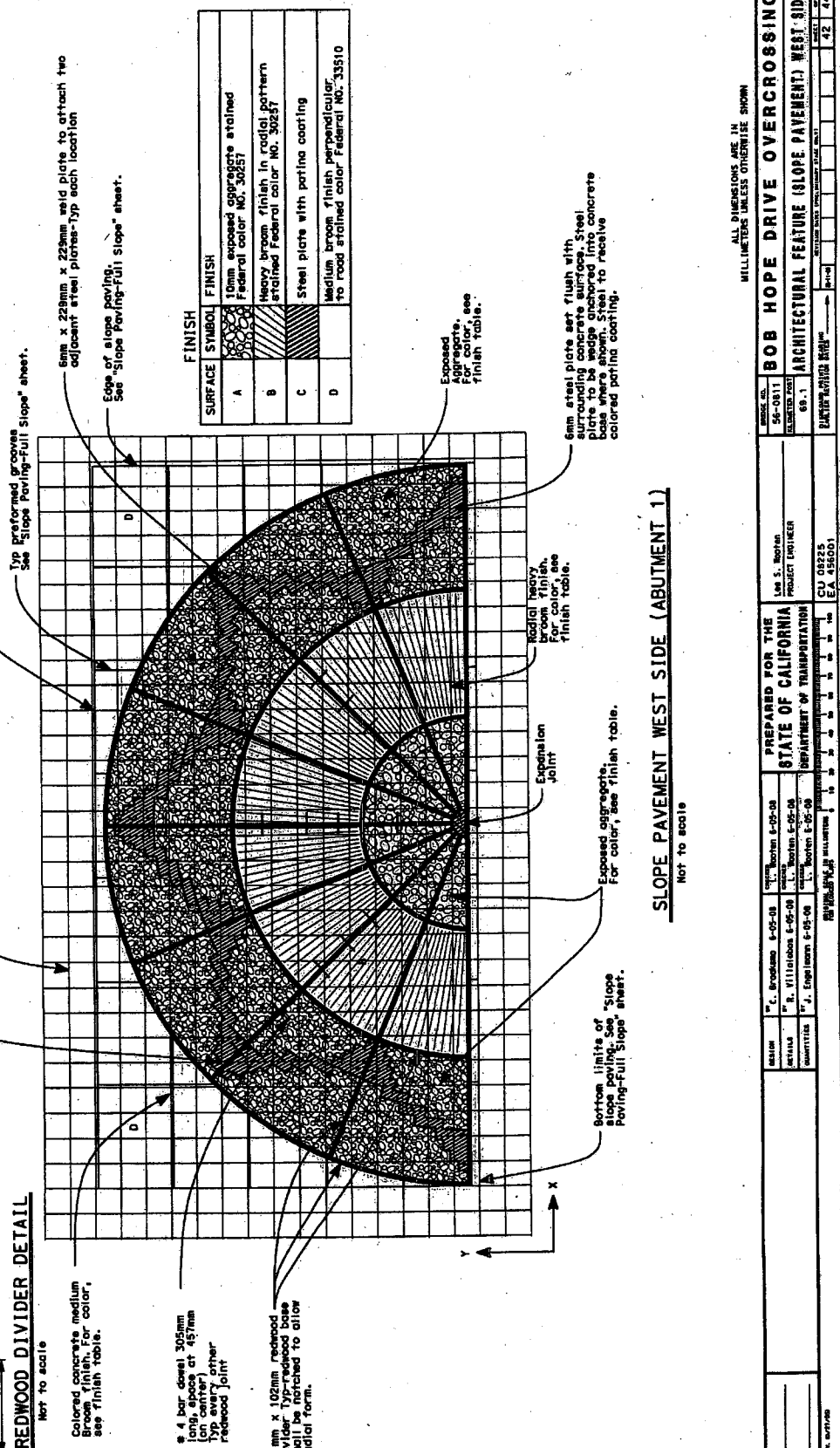
Depth per Slope Paving Full Slope sheet

127mm Typ

Colored concrete, medium Broom finish. For color, see finish table.

4 bar dowel 305mm long, spaced at 457mm Typ every other redwood joint

51mm x 102mm redwood divider and base shall be notched to allow radial form.



SURFACE	SYMBOL	FINISH
A	[Pattern]	10mm recessed aggregate stained Federal color NO. 30257
B	[Pattern]	Heavy broom finish in radial pattern stained Federal color NO. 30257
C	[Pattern]	Steel plate with parline coating
D	[Pattern]	Medium broom finish perpendicular to road stained color Federal NO. 33510

6mm x 229mm x 229mm weld plate to attach two adjacent steel plates - Typ each location

Edge of slope paving. See "Slope Paving-Full Slope" sheet.

Top of slope paving. See "Slope Paving-Full Slope" sheet.

Typ preformed grooves. See "Slope Paving-Full Slope" sheet.

Exposed aggregate. For color, see finish table.

6mm steel plate set flush with steel coating and welded into concrete base where shown. Steel to receive colored parline coating.

Radial heavy broom finish. For color, see finish table.

Expansion joint

Exposed aggregate. For color, see finish table.

Bottom limits of slope paving. See "Slope Paving-Full Slope" sheet.

## SLOPE PAVEMENT WEST SIDE (ABUTMENT 1)

Not to scale

ALL DIMENSIONS ARE IN MILLIMETERS UNLESS OTHERWISE SHOWN

BOB HOPE DRIVE OVERCROSSING

ARCHITECTURAL FEATURE (SLOPE PAVEMENT) WEST SIDE

PREPARED FOR THE STATE OF CALIFORNIA DEPARTMENT OF TRANSPORTATION

PROJECT ENGINEER: Lee S. Mordas

CHECKED BY: J. J. Engleman

DATE: 06-11-08

PROJECT NO. 06-0811

DATE: 06-11-08

SCALE: AS SHOWN

DATE: 06-11-08

DATE: 06-11-08

