

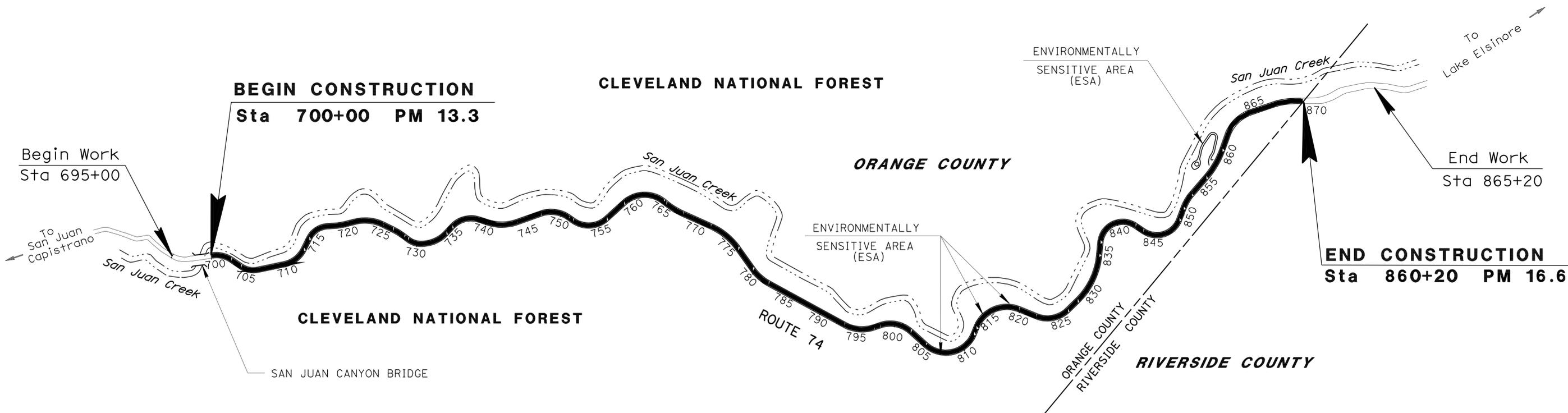
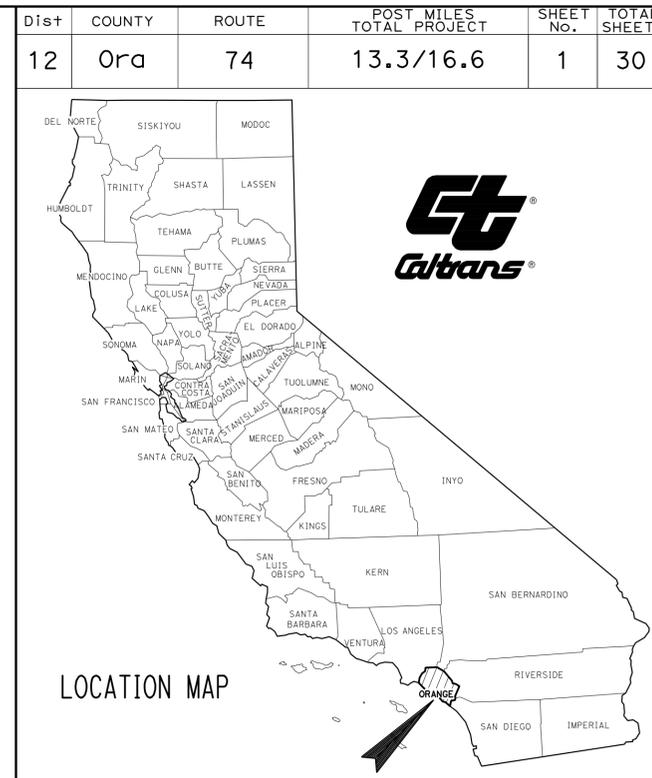
INDEX OF PLANS

SHEET No.	DESCRIPTION
1	TITLE AND LOCATION MAP
2	KEY MAP
3	TEMPORARY WATER POLLUTION CONTROL QUANTITIES
4-5	PLANT LIST
6	MAINTAIN EXISTING TEMPORARY FENCE PLAN
7-11	PLANTING PLANS
12-15	IRRIGATION PLANS
16-17	LANDSCAPE DETAILS
18-19	IRRIGATION QUANTITIES
20	CONSTRUCTION AREA SIGNS
21-30	REVISED AND NEW STANDARD PLANS

THE STANDARD PLANS LIST APPLICABLE TO THIS CONTRACT IS INCLUDED IN THE NOTICE TO BIDDERS AND SPECIAL PROVISIONS BOOK.

STATE OF CALIFORNIA ACSTP-P074(051)E  
**DEPARTMENT OF TRANSPORTATION**  
**PROJECT PLANS FOR CONSTRUCTION ON**  
**STATE HIGHWAY**  
**IN ORANGE COUNTY**  
**NEAR SAN JUAN HOT SPRINGS**  
**FROM SAN JUAN CANYON BRIDGE**  
**TO RIVERSIDE COUNTY LINE**

TO BE SUPPLEMENTED BY STANDARD PLANS DATED MAY 2006



PROJECT MANAGER  
**AHMED ABOU ABDU**  
 SENIOR LANDSCAPE ARCHITECT  
**ERIC DICKSON**

NO SCALE

THE CONTRACTOR SHALL POSSESS THE CLASS (OR CLASSES) OF LICENSE AS SPECIFIED IN THE "NOTICE TO BIDDERS."

*Ronald Wong* 05-29-09  
 LICENSED LANDSCAPE ARCHITECT  
 October 12, 2009  
 PLANS APPROVAL DATE  
THE STATE OF CALIFORNIA OR ITS OFFICERS OR AGENTS SHALL NOT BE RESPONSIBLE FOR THE ACCURACY OR COMPLETENESS OF SCANNED COPIES OF THIS PLAN SHEET.



CONTRACT No. **12-043224**

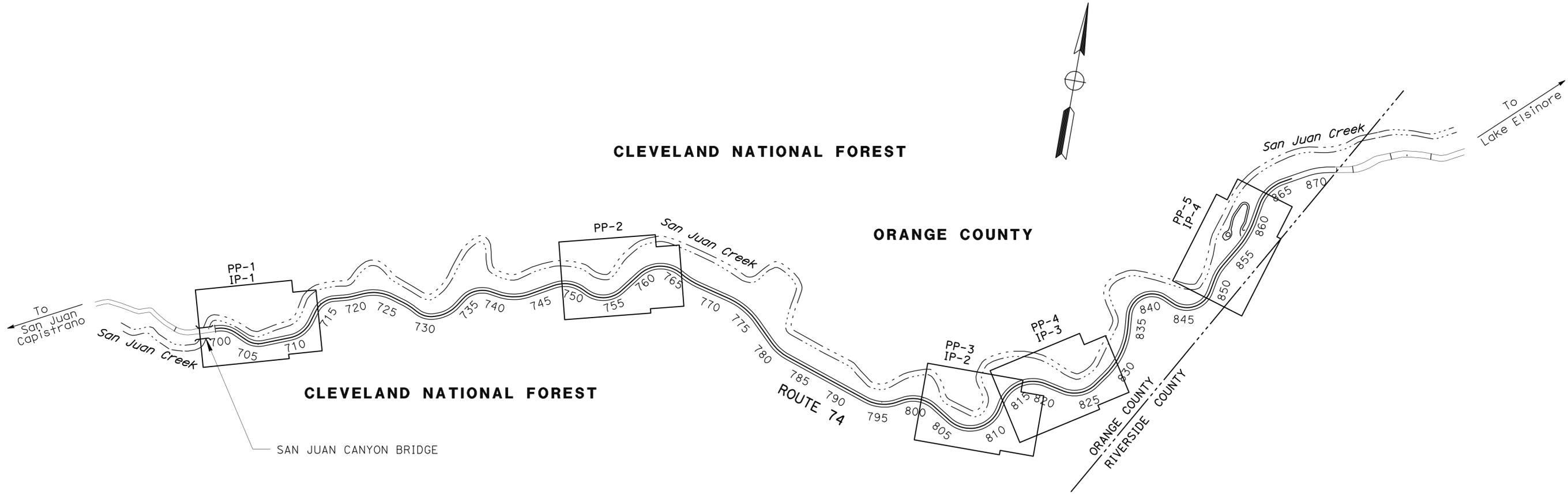
Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
12	Oran	74	13.3/16.6	2	30

*Ronald Wong* 05-29-09  
 LICENSED LANDSCAPE ARCHITECT  
 Signature 1  
 1-31-10  
 Renewal Date  
 05-29-09  
 DATE  
 STATE OF CALIFORNIA

10-12-09  
 PLANS APPROVAL DATE

THE STATE OF CALIFORNIA OR ITS OFFICERS OR AGENTS SHALL NOT BE RESPONSIBLE FOR THE ACCURACY OR COMPLETENESS OF SCANNED COPIES OF THIS PLAN SHEET.

STATE OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION	LANDSCAPE ARCHITECTURE	SENIOR LANDSCAPE ARCHITECT	ERIC DICKSON	CALCULATED-DESIGNED BY	ERIC DICKSON	RONALD WONG	REVISOR	DEEDEE MARTINEZ	DATE	REVISION
ERIC DICKSON	ERIC DICKSON	ERIC DICKSON	ERIC DICKSON	ERIC DICKSON	ERIC DICKSON	ERIC DICKSON	ERIC DICKSON	ERIC DICKSON	ERIC DICKSON	ERIC DICKSON



**KEY MAP**

NO SCALE **K-1**

Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
12	Ora	74	13.3/16.6	3	30

*Ronald Wong* 05-29-09  
 LICENSED LANDSCAPE ARCHITECT

10-12-09  
 PLANS APPROVAL DATE

THE STATE OF CALIFORNIA OR ITS OFFICERS  
 OR AGENTS SHALL NOT BE RESPONSIBLE FOR  
 THE ACCURACY OR COMPLETENESS OF SCANNED  
 COPIES OF THIS PLAN SHEET.

STATE OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION  
**Caltrans**  
 LANDSCAPE ARCHITECTURE

SENIOR LANDSCAPE ARCHITECT  
 ERIC DICKSON

CALCULATED-  
 DESIGNED BY

RONALD WONG

REVISOR BY

CHECKED BY

DEEDEE MARTINEZ

DATE REVISED

**TEMPORARY WATER POLLUTION  
 CONTROL QUANTITIES**

REFERENCE SHEET No.	DIRECTION	STATION AND LOCATION	FIBER ROLL (FT)	GRAVEL BAG (FT)
PP-1	EB	--	--	--
	WB	Sta 707+00/708+10	230	110
PP-2	EB	--	--	--
	WB	--	--	--
PP-3	EB	Sta 806+50/807+00	130	--
	WB	Sta 806+00/807+00	230	90
PP-4	EB	Sta 820+00/820+20	40	--
	WB	Sta 815+00/817+00, Sta 820+00/820+30	2250	80
PP-5	EB	--	--	--
	WB	Sta 853+00/856+00, Sta 857+00/861+00	410	310
TOTAL			3290	590

**TEMPORARY WATER  
 POLLUTION CONTROL  
 QUANTITIES**

**WPCQ-1**

### ABBREVIATIONS

AMEND — amendment	Max ——— maximum
B. & B — balled and burlapped	Min ——— minimum
Dia ——— diameter	NCN ——— no common name
EA ——— each	No. ——— number
LB ——— pound	Pkt ——— packet
Oz ——— ounce	PLT ESTB — plant establishment
Ft ——— foot/feet	Pvmt ——— pavement
SQFT — square feet	R/W ——— right of way
SQYD — square yard	SF ——— state furnished
CF ——— cubic feet	TRVD ——— traveled

## PLANT LIST AND PLANTING SPECIFICATIONS

PLANT GROUP	PLANT No.	SYMBOL	BOTANICAL NAME	COMMON NAME	SIZE	QUANTITY EACH	HOLE SIZE (INCH)		BASIN TYPE	IRON SULFATE ①	SOIL AMEND ①	ENDO MYCORRHIZAL INOCULUM ①		BASIN MULCH	STAKING	PLANTING LIMITS						REMARKS	
							Dia	DEPTH				PLANTING	PLT ESTB			MINIMUM DISTANCE (Ft) FROM				ON CENTER (Ft)			
																TRVD WAY	PVMT	FENCE	WALL		PAVED DITCH		EARTH DITCH
A	1		ARTEMISIA CALIFORNICA	CALIFORNIA SAGEBRUSH	No. 1	55	②	②	I	—	—	1 OZ	—	1 CF	—	10	—	—	—	—	—	10	SHRUB ⑧
	2		ERIOGONUM FASCICULATUM	CALIFORNIA BUCKWHEAT	No. 1	54	②	②	I	—	—	1 OZ	—	1 CF	—	10	—	—	—	—	—	10	SHRUB ⑧
	3		LOTUS SCOPARIUS	DEERWEED	No. 1	55	②	②	I	—	—	1 OZ	—	1 CF	—	10	—	—	—	—	—	10	SHRUB ⑧
	4		LUPINUS BICOLOR	PIGMY-LEAVED LUPINE	No. 1	54	②	②	I	—	—	1 OZ	—	1 CF	—	10	—	—	—	—	—	10	SHRUB ⑧
	5		SALVIA APIANA	WHITE SAGE	No. 1	54	②	②	I	—	—	1 OZ	—	1 CF	—	10	—	—	—	—	—	10	SHRUB ⑧
	6		SALVIA MELLIFERA	BLACK SAGE	No. 1	54	②	②	I	—	—	1 OZ	—	1 CF	—	10	—	—	—	—	—	10	SHRUB ⑧
	7		ADENOSTOMA FASCICULATUM	CHAMISE	No. 1	47	②	②	I	—	—	1 OZ	—	1 CF	—	10	—	—	—	—	—	10	SHRUB ⑧
	8		CERCOCARPUS BETULOIDES	MOUNTAIN MAHOGANY	No. 1	47	②	②	I	—	—	1 OZ	—	1 CF	—	10	—	—	—	—	—	10	SHRUB ⑧
	9		MELOSMA LAURINA	LAUREL SUMAC	No. 1	47	②	②	I	—	—	1 OZ	—	1 CF	—	10	—	—	—	—	—	10	SHRUB ⑧
	10		RHUS OVATA	SUGAR BUSH	No. 1	47	②	②	I	—	—	1 OZ	—	1 CF	—	10	—	—	—	—	—	10	SHRUB ⑧
	11		ERIOPHYLLUM CONFERTIFLORUM	GOLDEN-YARROW	No. 1	49	②	②	I	—	—	1 OZ	—	1 CF	—	10	—	—	—	—	—	10	SHRUB ⑧
	12		PHACELIA CICUTARIA	CATERPILLAR PHACELIA	No. 1	49	②	②	I	—	—	1 OZ	—	1 CF	—	10	—	—	—	—	—	10	SHRUB ⑧
	13		RHUS INTEGRIFOLIA	LEMONADE BERRY	No. 1	49	②	②	I	—	—	1 OZ	—	1 CF	—	10	—	—	—	—	—	10	SHRUB ⑧
	14		SALVIA COLUMBARIAE	CHIA	No. 1	49	②	②	I	—	—	1 OZ	—	1 CF	—	10	—	—	—	—	—	10	SHRUB ⑧
	15		ARTEMISIA DOUGLASIANA	MUGWORT	No. 1	93	②	②	I	—	—	1 OZ	—	1 CF	—	10	—	—	—	—	—	10	SHRUB ⑧
	16		BACCHARIS SALICIFOLIA	MULEFAT	No. 1	93	②	②	I	—	—	1 OZ	—	1 CF	—	10	—	—	—	—	—	10	SHRUB ⑧
	17		MARRUBIUM VULGARE	HOREHOUND	No. 1	88	②	②	I	—	—	1 OZ	—	1 CF	—	10	—	—	—	—	—	10	SHRUB ⑧
	18		SAMBUCUS MEXICANA	MEXICAN ELDERBERRY	No. 1	74	②	②	I	—	—	1 OZ	—	1 CF	—	10	—	—	—	—	—	10	SHRUB ⑧
	19		STACHYS AJUGOIDES	HEDGE NETTLE	No. 1	26	②	②	I	—	—	1 OZ	—	1 CF	—	10	—	—	—	—	—	10	SHRUB ⑧
	20		SCIRPUS CALIFORNICUS	BULRUSH	No. 1	16	②	②	I	—	—	1 OZ	—	1 CF	—	10	—	—	—	—	—	7	SHRUB ⑧
	21		TYPHA LATIFOLIA	COMMON CATTAIL	No. 1	16	②	②	I	—	—	1 OZ	—	1 CF	—	10	—	—	—	—	—	7	SHRUB ⑧

#### APPLICABLE WHEN CIRCLED:

- ① - Quantities shown are "per plant" unless shown as SQFT or SQYD application rates.
- ② - Sufficient to receive root ball.
- 3 - Does not apply to mulch areas.
- 4 - As shown on plans.
- 5 - Unless otherwise shown on plans.
- 6 - See detail.
- 7 - See Special Provisions.
- ⑧ - Foliage Protectors, See Standard Detail

#### NOTE:

Underlined portions of botanical name indicate abbreviations used on Planting Plans.

## PLANT LIST

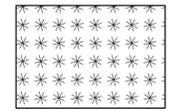
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## PLANT LIST AND PLANTING SPECIFICATIONS

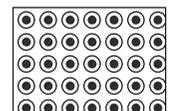
PLANT GROUP	PLANT No.	SYMBOL	BOTANICAL NAME	COMMON NAME	SIZE	QUANTITY EACH	HOLE SIZE (INCH)		BASIN TYPE	IRON SULFATE ①	SOIL AMEND ①	ENDO MYCORRHIZAL INOCULUM ①		BASIN MULCH	STAKING	PLANTING LIMITS						REMARKS	
							Dia	DEPTH				PLANTING	PLT ESTB			MINIMUM DISTANCE (Ft) FROM					* ON CENTER (Ft)		
																TRVD WAY	PVMT	FENCE	WALL	PAVED DITCH			EARTH DITCH
U	22		<u>QUERCUS</u> <u>AGRIFOLIA</u>	COAST LIVE OAK	No. 15	9	24	18	I I ⑧	—	—	2 OZ	—	2 CF	⑥	30	—	—	—	—	—	40	TREE ④
	23		<u>QUERCUS</u> <u>BERBERIDIFOLIA</u>	SRUB OAK	No. 15	6	24	18	I I ⑧	—	—	2 OZ	—	2 CF	⑥	30	—	—	—	—	—	10	SHRUB ④
	24		<u>HETEROMULES</u> <u>ARBUTIFOLIA</u>	TOYON	No. 15	4	24	18	I I ⑧	—	—	2 OZ	—	2 CF	⑥	30	—	—	—	—	—	15	SHRUB ④
	25		<u>ALNUS</u> <u>RHOMBIFOLIUM</u>	WHITE ALDER	No. 15	3	24	18	I I ⑧	—	—	2 OZ	—	2 CF	⑥	30	—	—	—	—	—	30	TREE ④
	26		<u>PLATANUS</u> <u>RACEMOSA</u>	CALIFORNIA SYCAMORE	No. 15	5	24	18	I I ⑧	—	—	2 OZ	—	2 CF	⑥	30	—	—	—	—	—	30	TREE ④
	27		<u>POPULUS</u> <u>FREMONTII</u>	COTTONWOOD	No. 15	4	24	18	I I ⑧	—	—	2 OZ	—	2 CF	⑥	30	—	—	—	—	—	30	TREE ④
	28		<u>JUGLANS</u> <u>CALIFORNICA</u>	CALIFORNIA BLACK WALNUT	No. 15	17	24	18	I I ⑧	—	—	2 OZ	—	2 CF	⑥	30	—	—	—	—	—	40	TREE ④
K	29		<u>QUERCUS</u> <u>AGRIFOLIA</u>	COAST LIVE OAK	36 BOX	3	24	18	I I ⑨	—	—	4 OZ	—	6 CF	⑥	40	—	—	—	—	—	40	TREE ④

**APPLICABLE WHEN CIRCLED:**

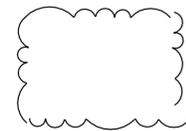
- ① - Quantities shown are "per plant" unless shown as SQFT or SQYD application rates.
- 2 - Sufficient to receive root ball.
- 3 - Does not apply to mulch areas.
- ④ - As shown on plans.
- 5 - Unless otherwise shown on plans.
- ⑥ - See detail.
- 7 - See Special Provisions.
- ⑧ - Basin area equivalent to 36" diameter.
- ⑨ - Basin area equivalent to 60" diameter.



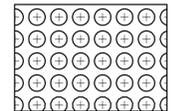
CHAPARRAL (CHAP)



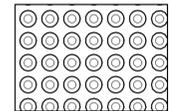
COASTAL SAGE SCRUB (CSS)



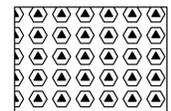
EROSION CONTROL HYDRAULIC MULCH (POLYMER STABILIZED FIBER MATRIX) CHAPARRAL



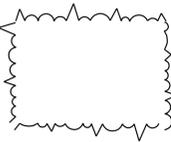
OAK WOODLAND (OW)



WETLAND



RIPARIAN (RIP)



EROSION CONTROL HYDRAULIC MULCH (POLYMER STABILIZED FIBER MATRIX) OAK WOODLAND

**NOTE:**

Underlined portions of botanical name indicate abbreviations used on Planting Plans.

\* Plant groups within each plant community (CHAP, RIP, OW, CSS and Wetland) Should be planted in a random pattern.

### PLANT LIST

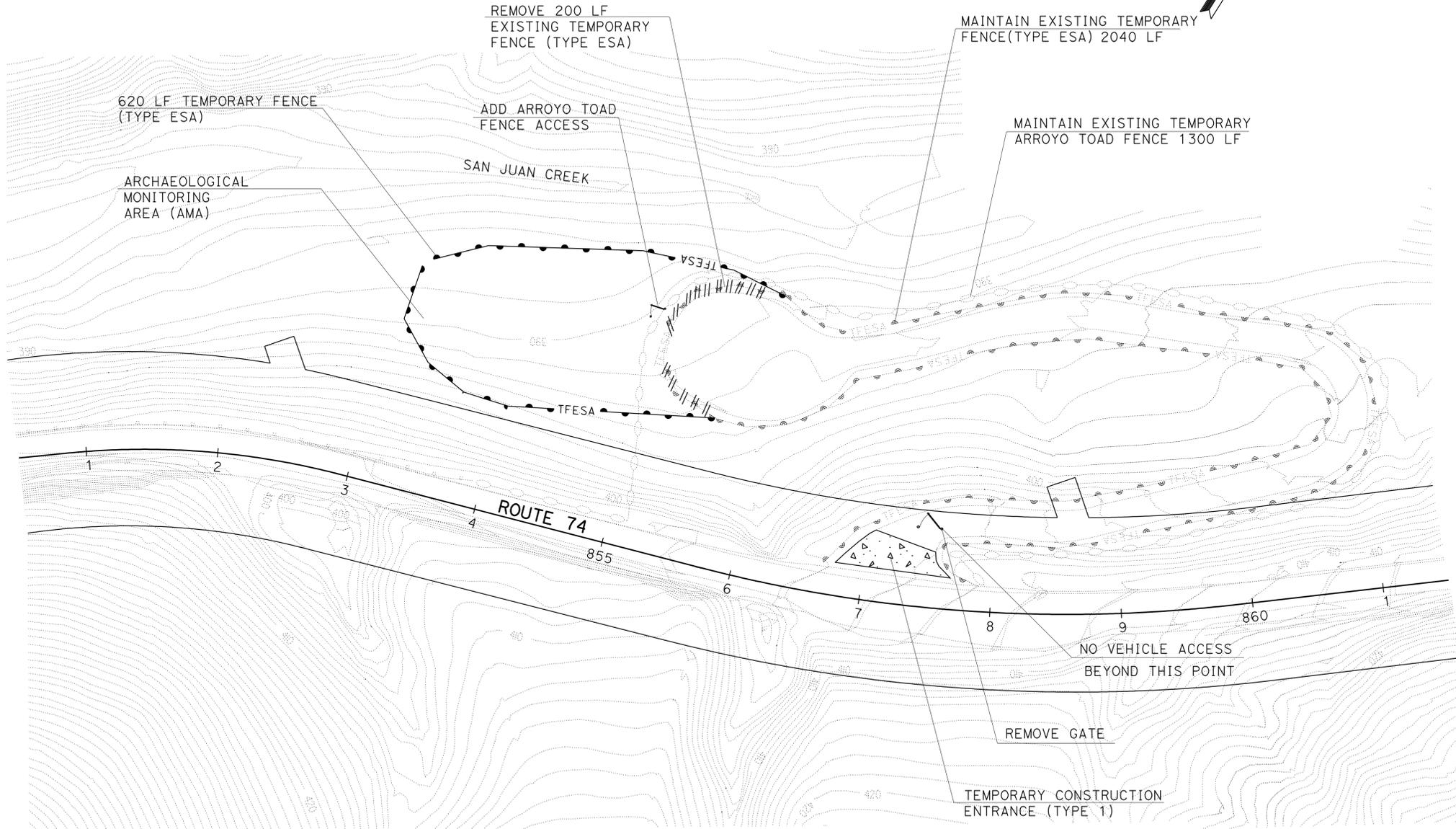
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Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
12	Ora	74	13.3/16.6	6	30

*Ronald Wong* 05-29-09  
 LICENSED LANDSCAPE ARCHITECT  
 10-12-09  
 PLANS APPROVAL DATE

THE STATE OF CALIFORNIA OR ITS OFFICERS OR AGENTS SHALL NOT BE RESPONSIBLE FOR THE ACCURACY OR COMPLETENESS OF SCANNED COPIES OF THIS PLAN SHEET.

LICENSED LANDSCAPE ARCHITECT  
 RONALD WONG NO. 1355  
*Ronald Wong*  
 Signature  
 1-31-10  
 Renewal Date  
 05-29-09  
 Date  
 STATE OF CALIFORNIA



**MAINTAIN EXISTING TEMPORARY FENCE (TYPE ESA)  
 TEMPORARY FENCE (TYPE ESA) &  
 ARROYO TOAD FENCE**

SCALE: 1"=50'

**MA-1**

STATE OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION	SENIOR LANDSCAPE ARCHITECT	CALCULATED-DESIGNED BY	REVISOR
<b>Eric Dickson</b>	ERIC DICKSON	CHECKED BY	RONALD WONG
<b>Eric Dickson</b>	ERIC DICKSON		DEEDEE MARTINEZ
<b>Eric Dickson</b>	ERIC DICKSON		DEEDEE MARTINEZ

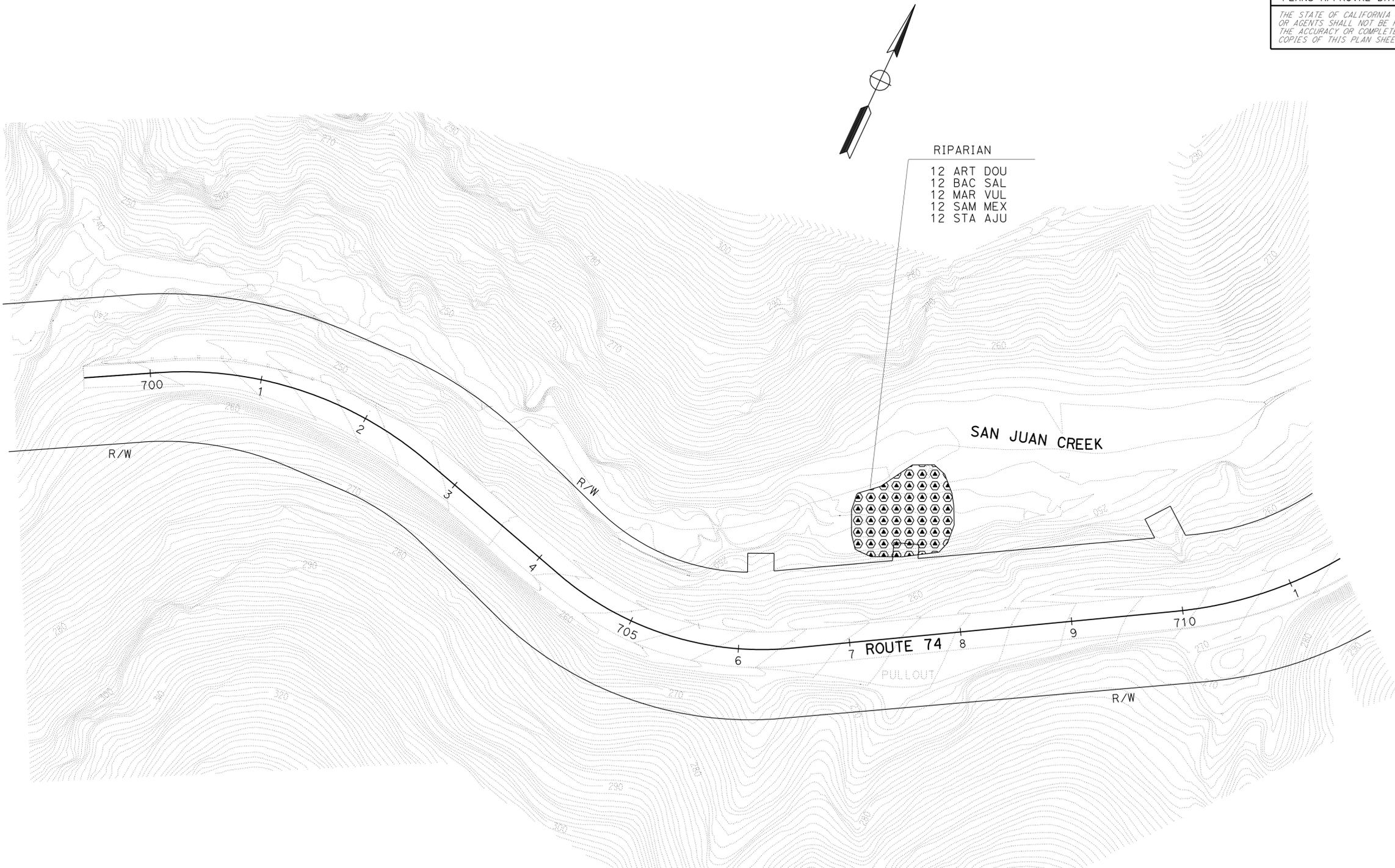
Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
12	Ora	74	13.3/16.6	7	30

*Ronald Wong* 05-29-09  
 LICENSED LANDSCAPE ARCHITECT

10-12-09  
 PLANS APPROVAL DATE

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STATE OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION	SENIOR LANDSCAPE ARCHITECT	CALCULATED-DESIGNED BY	REVISOR
<b>Eric Dickson</b>	ERIC DICKSON	CHECKED BY	RONALD WONG
<b>Eric Dickson</b>	ERIC DICKSON		DEEDEE MARTINEZ
<b>Eric Dickson</b>	ERIC DICKSON		DEEDEE MARTINEZ



**PLANTING PLAN (MITIGATION)**

SCALE: 1"=50'

**PP-1**

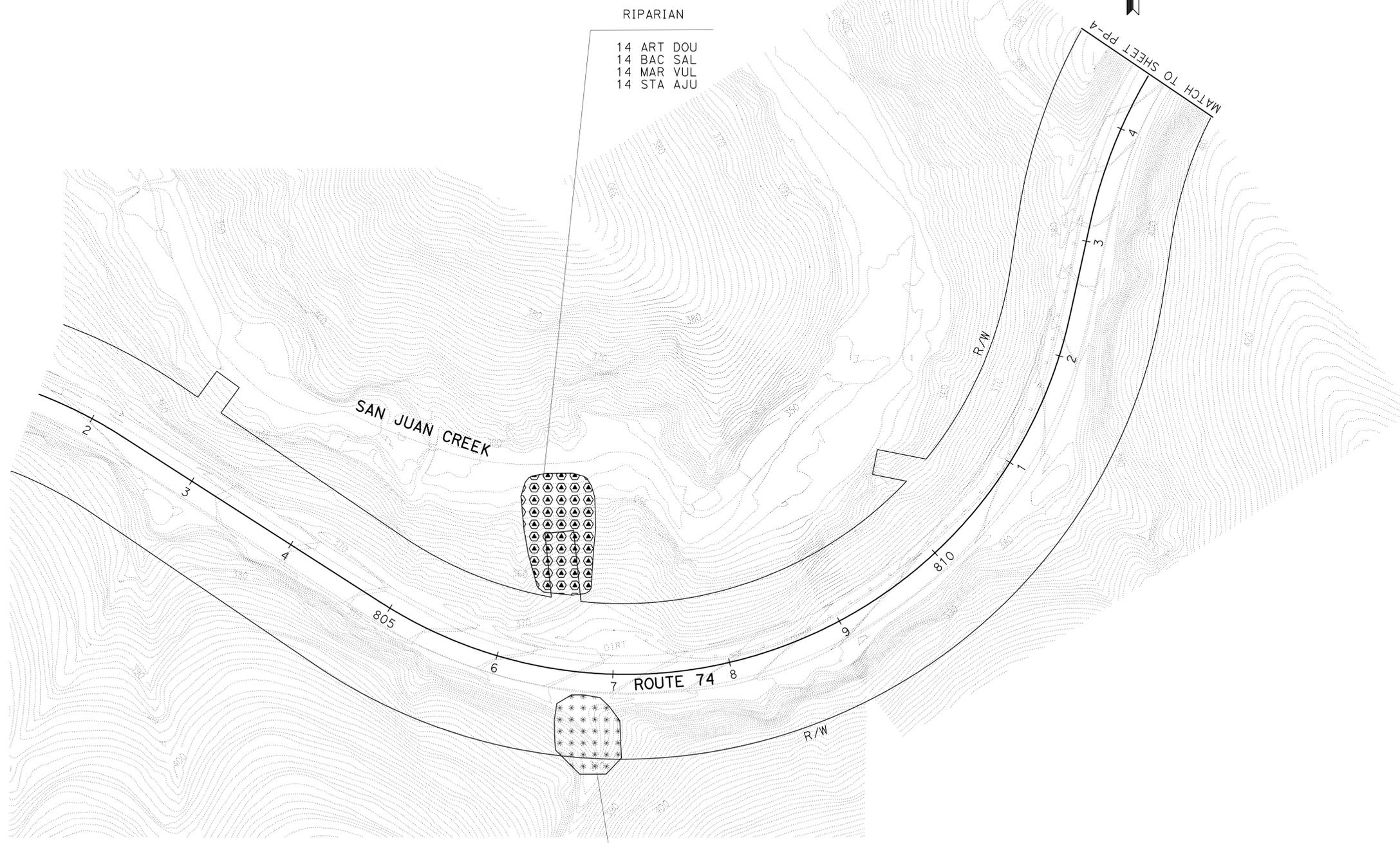
THIS PLAN ACCURATE FOR PLANTING WORK ONLY.



Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
12	Ora	74	13.3/16.6	9	30

*Ronald Wong* 05-29-09  
 LICENSED LANDSCAPE ARCHITECT  
 10-12-09  
 PLANS APPROVAL DATE

THE STATE OF CALIFORNIA OR ITS OFFICERS OR AGENTS SHALL NOT BE RESPONSIBLE FOR THE ACCURACY OR COMPLETENESS OF SCANNED COPIES OF THIS PLAN SHEET.



- RIPARIAN
- 14 ART DOU
  - 14 BAC SAL
  - 14 MAR VUL
  - 14 STA AJU

- CHAPARRAL
- 8 ADE FAS
  - 8 CER BET
  - 8 MEL LAU
  - 8 RHU OVA

STATE OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION	SENIOR LANDSCAPE ARCHITECT	CALCULATED-DESIGNED BY	RONALD WONG	REVISED BY
<b>Caltrans</b>	ERIC DICKSON	CHECKED BY	DEEDEE MARTINEZ	DATE REVISED
<b>LANDSCAPE ARCHITECTURE</b>				

THIS PLAN ACCURATE FOR PLANTING WORK ONLY.

**PLANTING PLAN  
(MITIGATION)**

SCALE: 1"=50'

**PP-3**



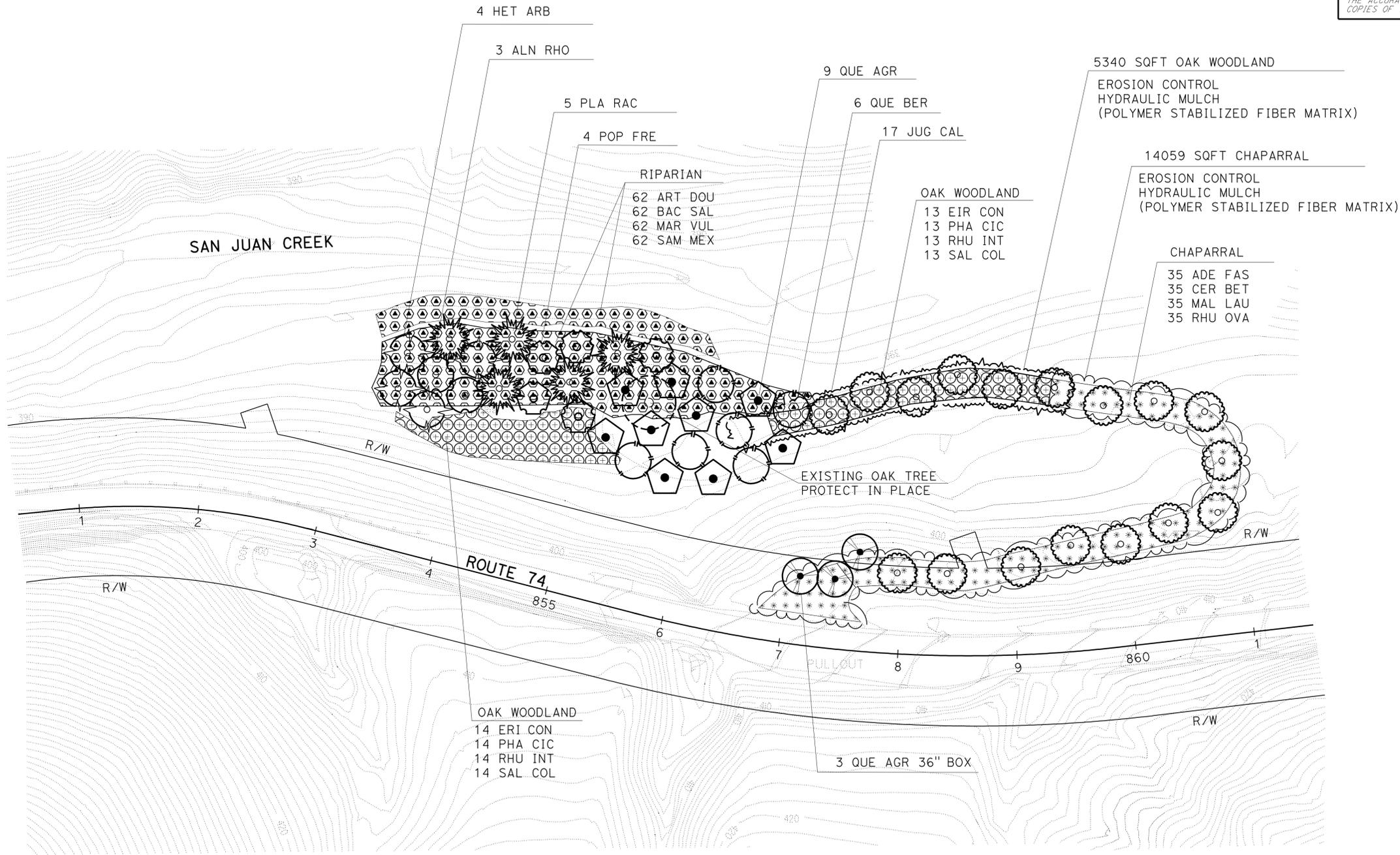


STATE OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION  
**Caltrans**  
 LANDSCAPE ARCHITECTURE  
 SENIOR LANDSCAPE ARCHITECT  
 ERIC DICKSON  
 CALCULATED-DESIGNED BY  
 CHECKED BY  
 RONALD WONG  
 DEEDEE MARTINEZ  
 REVISED BY  
 DATE REVISED

Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
12	Ora	74	13.3/16.6	11	30

*Ronald Wong* 05-29-09  
 LICENSED LANDSCAPE ARCHITECT  
 10-12-09  
 PLANS APPROVAL DATE

THE STATE OF CALIFORNIA OR ITS OFFICERS OR AGENTS SHALL NOT BE RESPONSIBLE FOR THE ACCURACY OR COMPLETENESS OF SCANNED COPIES OF THIS PLAN SHEET.



**PLANTING PLAN  
 (MITIGATION)**

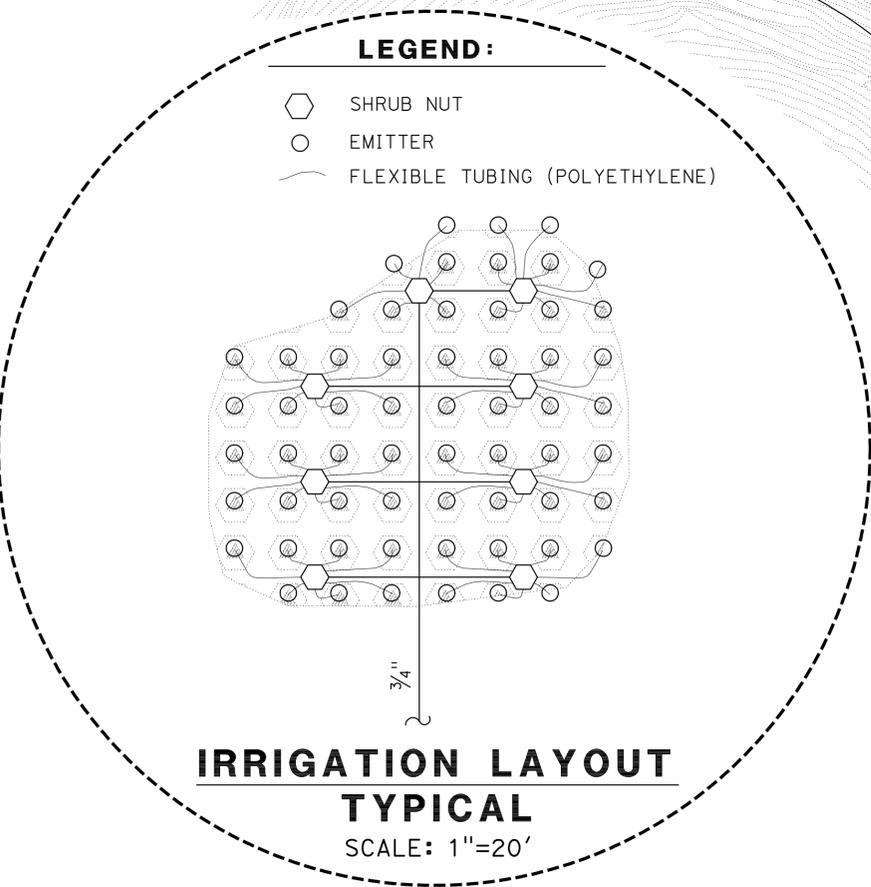
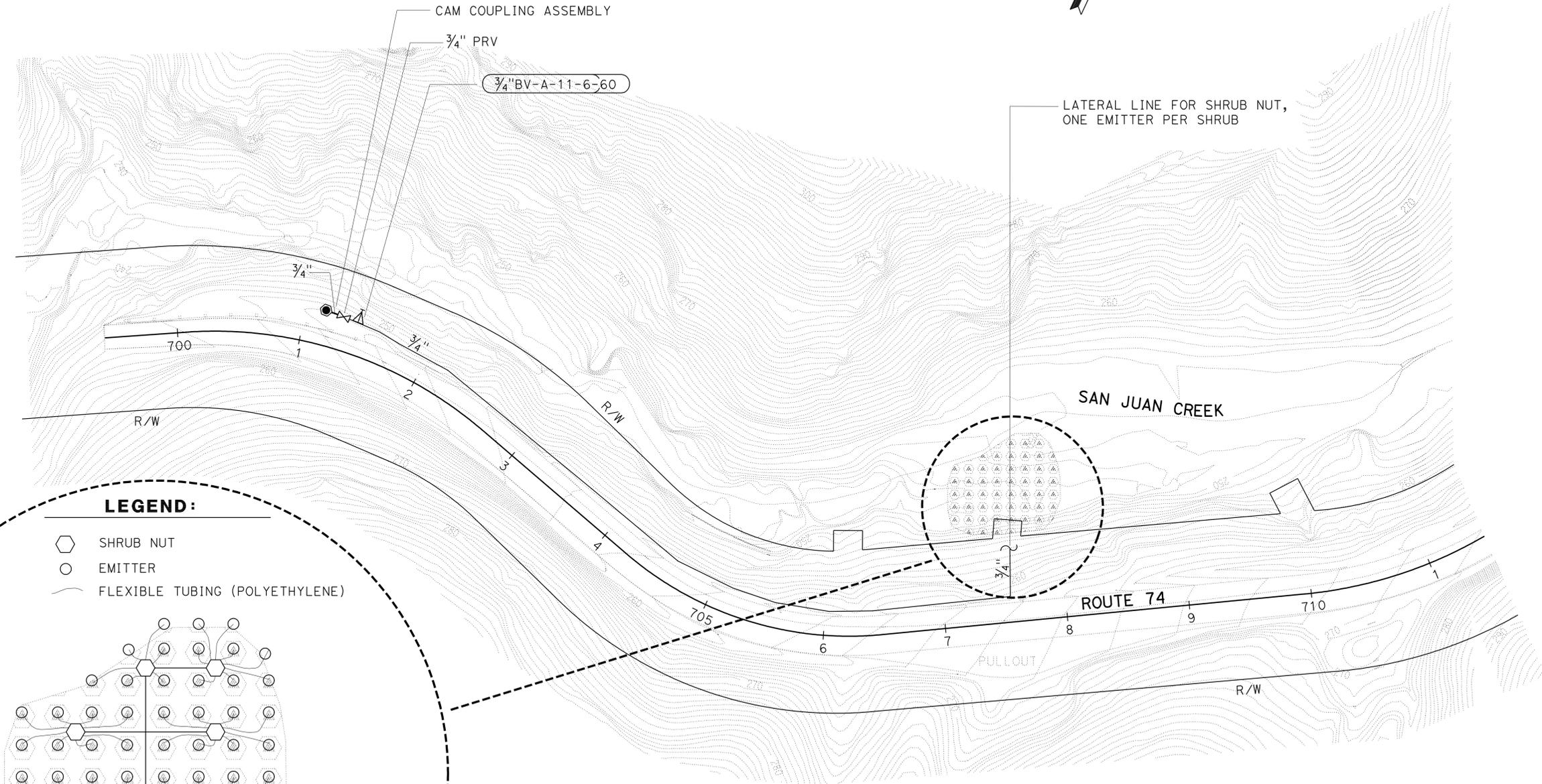
SCALE: 1"=50' **PP-5**

THIS PLAN ACCURATE FOR PLANTING WORK ONLY.



LAST REVISION DATE PLOTTED => 15-OCT-2009  
 05-28-09 TIME PLOTTED => 09:50

Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
12	Ora	74	13.3/16.6	12	30
<i>Ronald Wong</i> 05-29-09 LICENSED LANDSCAPE ARCHITECT					
10-12-09 PLANS APPROVAL DATE					
<small>THE STATE OF CALIFORNIA OR ITS OFFICERS OR AGENTS SHALL NOT BE RESPONSIBLE FOR THE ACCURACY OR COMPLETENESS OF SCANNED COPIES OF THIS PLAN SHEET.</small>					



**IRRIGATION PLAN  
(MITIGATION)**

SCALE: 1"=50'

**IP-1**

THIS PLAN ACCURATE FOR IRRIGATION WORK ONLY.



USERNAME => trrichf  
DGN FILE => c043221\I001.dgn

CU 12216

EA 043221

STATE OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION	SENIOR LANDSCAPE ARCHITECT	CALCULATED-DESIGNED BY	REVISOR
<b>Eric Dickson</b>	ERIC DICKSON	CHECKED BY	RONALD WONG
<b>Eric Dickson</b>	ERIC DICKSON	CHECKED BY	DEEDEE MARTINEZ
<b>Eric Dickson</b>	ERIC DICKSON	CHECKED BY	DEEDEE MARTINEZ



Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
12	Ora	74	13.3/16.6	14	30

<i>Ronald Wong</i> 05-29-09 LICENSED LANDSCAPE ARCHITECT	
10-12-09 PLANS APPROVAL DATE	
<small>THE STATE OF CALIFORNIA OR ITS OFFICERS OR AGENTS SHALL NOT BE RESPONSIBLE FOR THE ACCURACY OR COMPLETENESS OF SCANNED COPIES OF THIS PLAN SHEET.</small>	



LATERAL LINE FOR SHRUB NUT,  
ONE EMITTER PER SHRUB  
SEE SHEET IP-1  
FOR IRRIGATION LAYOUT

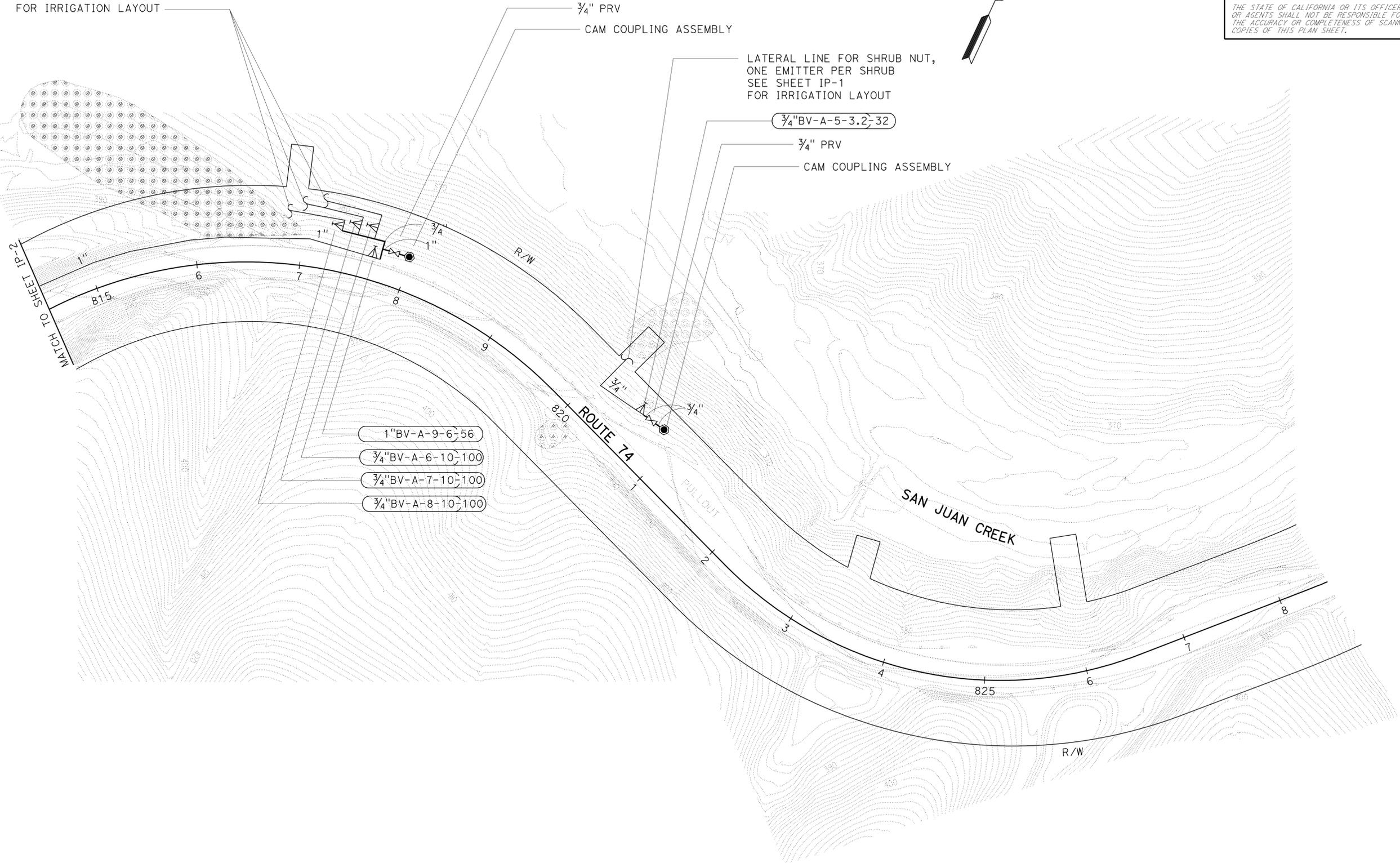
3/4" PRV  
CAM COUPLING ASSEMBLY

LATERAL LINE FOR SHRUB NUT,  
ONE EMITTER PER SHRUB  
SEE SHEET IP-1  
FOR IRRIGATION LAYOUT

3/4"BV-A-5-3.2-32

3/4" PRV  
CAM COUPLING ASSEMBLY

- 1"BV-A-9-6-56
- 3/4"BV-A-6-10-100
- 3/4"BV-A-7-10-100
- 3/4"BV-A-8-10-100



STATE OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION	SENIOR LANDSCAPE ARCHITECT	CALCULATED-DESIGNED BY	REVISOR
<b>Caltrans</b>	ERIC DICKSON	CHECKED BY	RONALD WONG
LANDSCAPE ARCHITECTURE			DEEDEE MARTINEZ
			DATE REVISED

# IRRIGATION PLAN (MITIGATION)

SCALE: 1"=50'

IP-3

THIS PLAN ACCURATE FOR IRRIGATION WORK ONLY.



USERNAME => trrichf  
DGN FILE => c0432211003.dgn

CU 12216

EA 043221

BORDER LAST REVISED 4/11/2008

LAST REVISION | DATE PLOTTED => 15-OCT-2009  
05-10-09 | TIME PLOTTED => 09:51

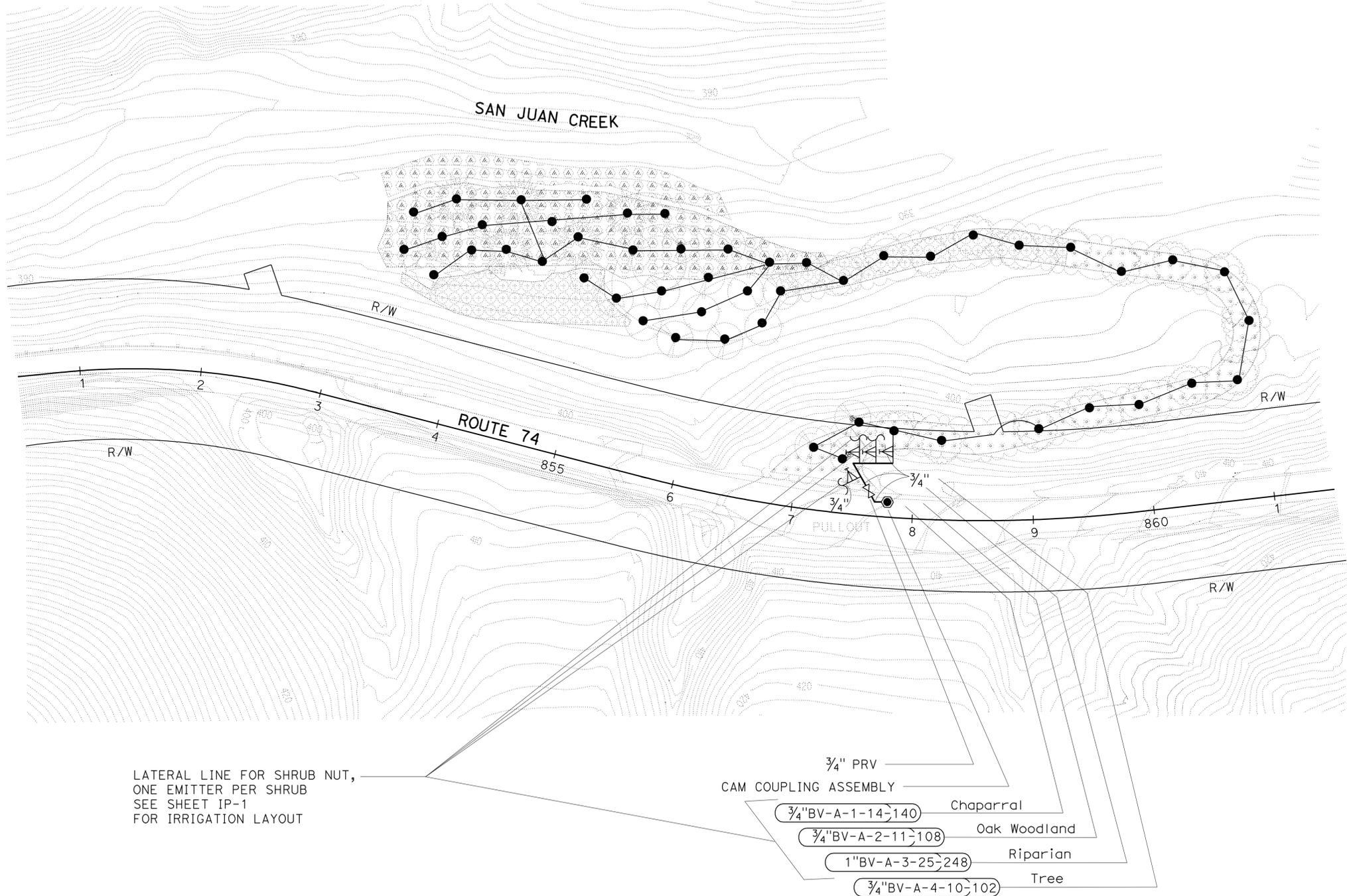
STATE OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION  
**Caltrans** LANDSCAPE ARCHITECTURE  
 SENIOR LANDSCAPE ARCHITECT ERIC DICKSON  
 CALCULATED-DESIGNED BY CHECKED BY  
 RONALD WONG DEEDEE MARTINEZ  
 REVISED BY DATE REVISED

Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
12	Ora	74	13.3/16.6	15	30

*Ronald Wong* 05-29-09  
 LICENSED LANDSCAPE ARCHITECT  
 10-12-09  
 PLANS APPROVAL DATE

THE STATE OF CALIFORNIA OR ITS OFFICERS OR AGENTS SHALL NOT BE RESPONSIBLE FOR THE ACCURACY OR COMPLETENESS OF SCANNED COPIES OF THIS PLAN SHEET.

*Ronald Wong*  
 1-31-10  
 05-29-09  
 STATE OF CALIFORNIA



**IRRIGATION PLAN (MITIGATION)**

SCALE: 1"=50'

**IP-4**

THIS PLAN ACCURATE FOR IRRIGATION WORK ONLY.



USERNAME => trrichf  
 DGN FILE => c0432211004.dgn

CU 12216

EA 043221

BORDER LAST REVISED 4/11/2008

LAST REVISION DATE PLOTTED => 15-OCT-2009  
 05-18-09 TIME PLOTTED => 09:51

STATE OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION  
**LANDSCAPE ARCHITECTURE**  
 ERIC DICKSON  
 SENIOR LANDSCAPE ARCHITECT  
 RONALD WONG  
 DEEDEE MARTINEZ  
 CALCULATED-DESIGNED BY  
 CHECKED BY  
 REVISED BY  
 DATE REVISED

## SPRINKLER SCHEDULE

SYMBOL	TYPE	DESCRIPTION	SPRAY PATTERN	OPERATING PRESSURE (PSI)	PRESSURE COMPENSATING	PLUS/MINUS 5% ②				MATERIAL	NOZZLE SIZE (INCH)	INLET CONNECTION (NPT INCH)	POSITIVE-LOCKING ADJ ARC STOP	BACKSPASH PREVENTER	DIFFUSER PIN	DISTANCE CONTROL FLAP	ADJ DISCHARGE	RISER				SWING JOINT (TYPE)	RISER SUPPORT	SPRINKLER PROTECTOR (TYPE)	REMARKS	
						DISCHARGE		RADIUS (FT)	WIDTH X LENGTH (FT)									MATERIAL		SIZE (IPS INCH)	HEIGHT (INCH)					FLOW SHUTOFF DEVICE
						GALLONS PER MINUTE (GPM)	GALLONS PER HOUR (GPH)											PLASTIC	GALVANIZED							
●	C-3	SPRAY	Q	30		0.1		5		PL	1/2"							IV	X	1/2"	12"		II			2 spray heads per tree
⌋	D-2	EMITTER		30	X	0.1		-		PL	1/4"															emitter connect to multi-outlet shrub nut with tube and stake, one emitter per shrub

Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
12	Ora	74	13.3/16.6	16	30

05-29-09  
 10-12-09  
 PLANS APPROVAL DATE

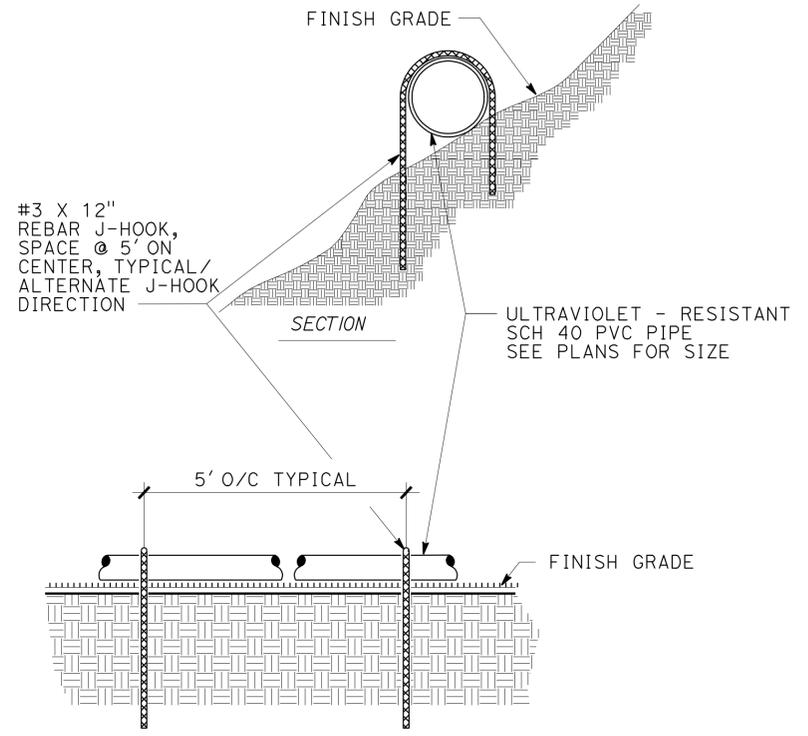
THE STATE OF CALIFORNIA OR ITS OFFICERS OR AGENTS SHALL NOT BE RESPONSIBLE FOR THE ACCURACY OR COMPLETENESS OF SCANNED COPIES OF THIS PLAN SHEET.



- ABBREVIATIONS**
- F — full circle
  - P — part circle
  - F/P — full/part circle
  - Q — quarter circle
  - T — third circle
  - H — half circle
  - TT — two third circle
  - TQ — three quarter circle
  - CST — center strip
  - SST — side strip
  - EST — end strip
  - Ft — feet/foot
  - GPM — gallons per minute
  - GPH — gallons per hour
  - Adj — adjustable
  - PL — plastic
  - B/B — brass/bronze
  - B/PL — brass/plastic
  - B/B/PL — brass/bronze/plastic
  - NPT — national pipe thread
  - IPS — iron pipe size
  - PSI — pounds per square inch

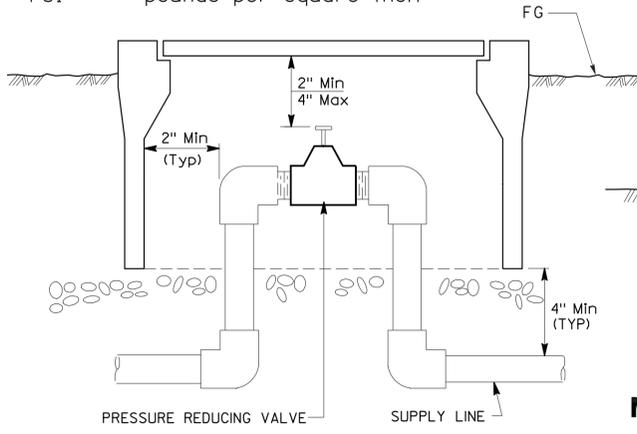
- APPLICABLE WHEN CIRCLED BELOW:**
- 1 - See Special Provisions.
  - ② - If a pressure compensating device is specified, the discharge and radii shown reflect its use.
  - 3 - Arc Stop shall be fitted with a nut and bolt.
  - 4 - Vinyl-coated cast iron housing.
  - ⑤ - Swing Joints required adjacent to shoulders, curbs, sidewalks, and dikes.
  - 6 - Unless otherwise shown on plans.

X IN BOX DENOTES REQUIREMENT



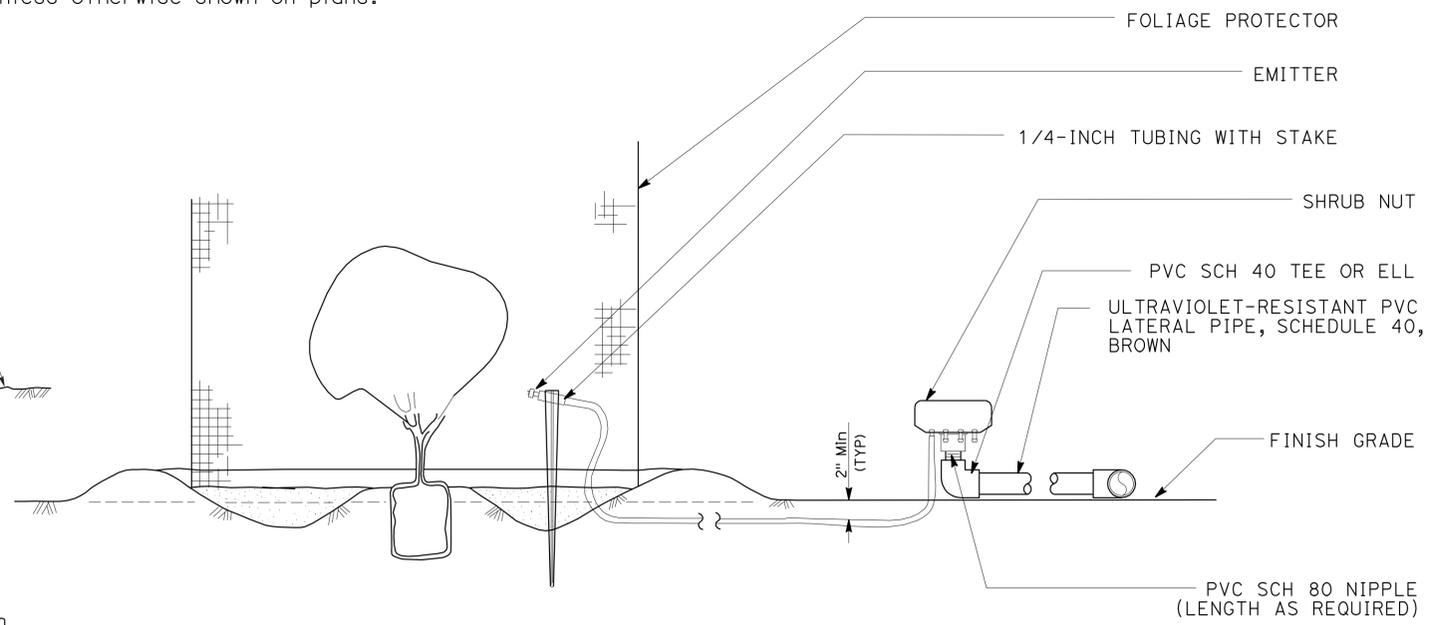
**ELEVATION ON GRADE PIPE**

**NOTE:**  
 • ALL PIPE AND FITTINGS INSTALLED ON GRADE TO BE ULTRAVIOLET-RESISTANT PVC SCHEDULE 40 BROWN PIPE



**ELEVATION**

**PRESSURE REDUCING VALVE**



**MULTI-OUTLET SHRUB NUT WITH EMITTER TUBE AND STAKE**

## SPRINKLER SCHEDULE AND DETAILS

NO SCALE

**LD-1**

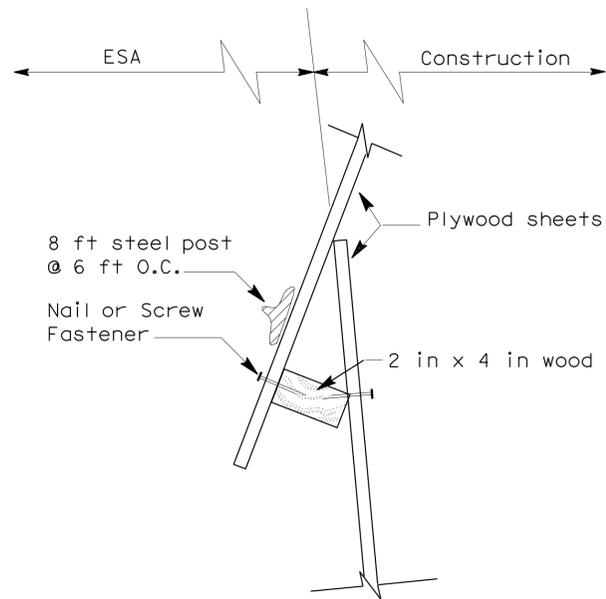
Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
12	Ora	74	13.3/16.6	17	30

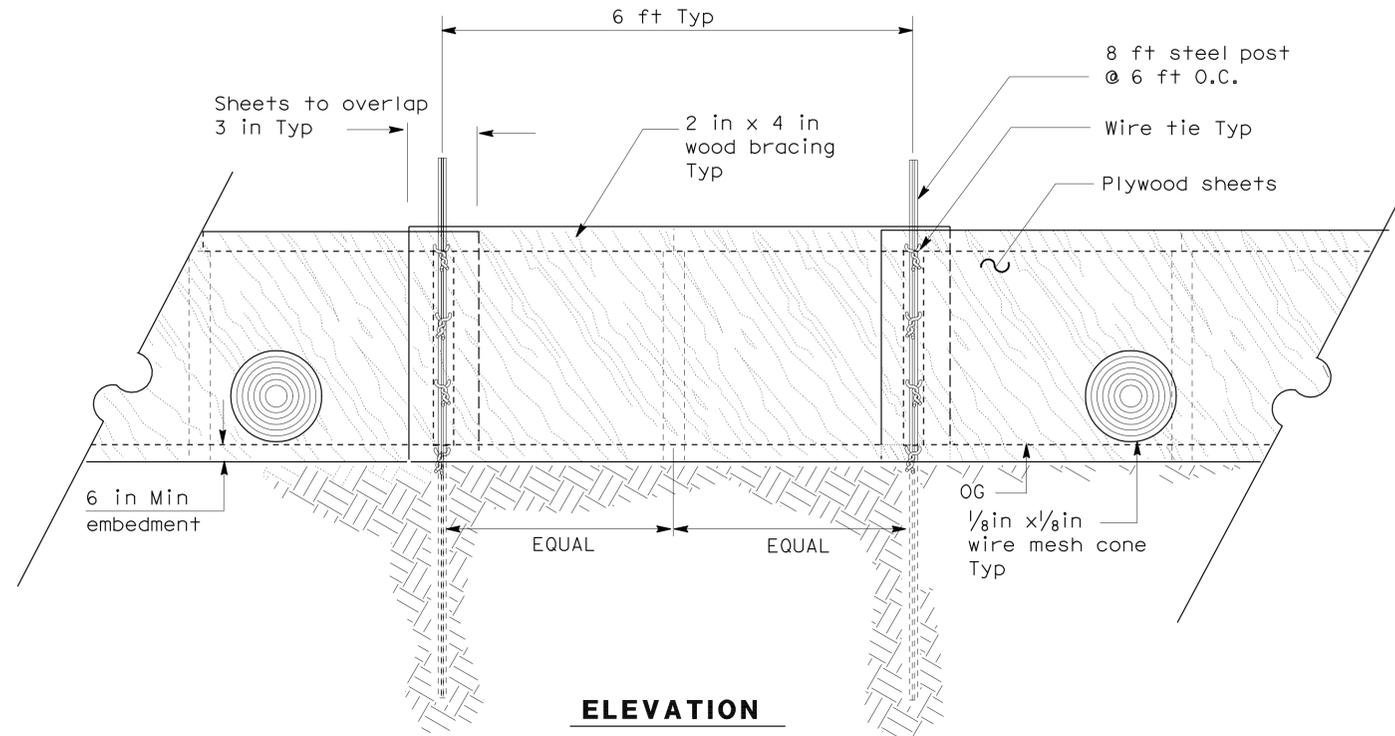
<i>Ronald Wong</i> 05-29-09 LICENSED LANDSCAPE ARCHITECT	
10-12-09 PLANS APPROVAL DATE	
<small>THE STATE OF CALIFORNIA OR ITS OFFICERS OR AGENTS SHALL NOT BE RESPONSIBLE FOR THE ACCURACY OR COMPLETENESS OF SCANNED COPIES OF THIS PLAN SHEET.</small>	

**NOTE:**

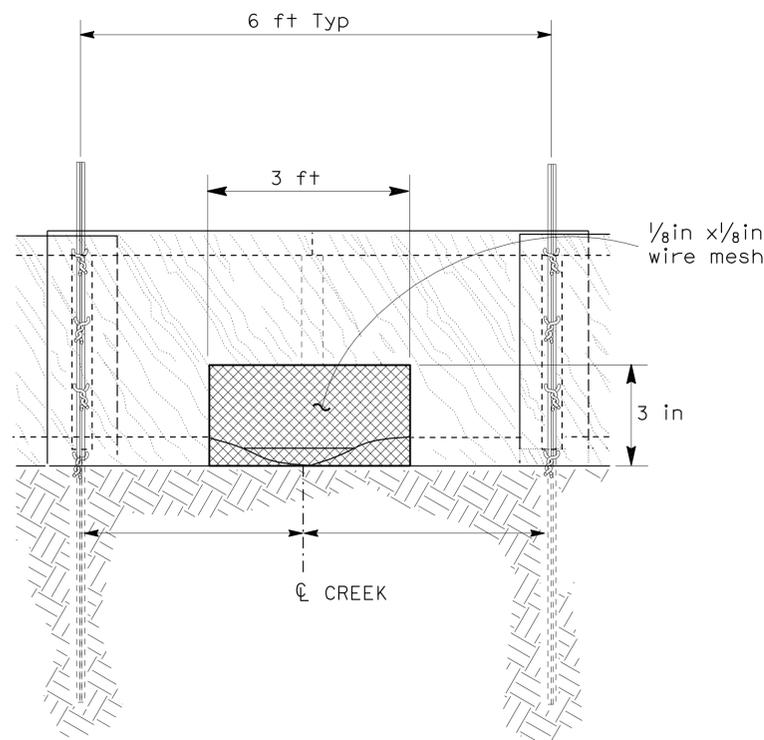
1. Mesh cones will be installed every fourth panel.



**PLAN FENCE OVERLAP**

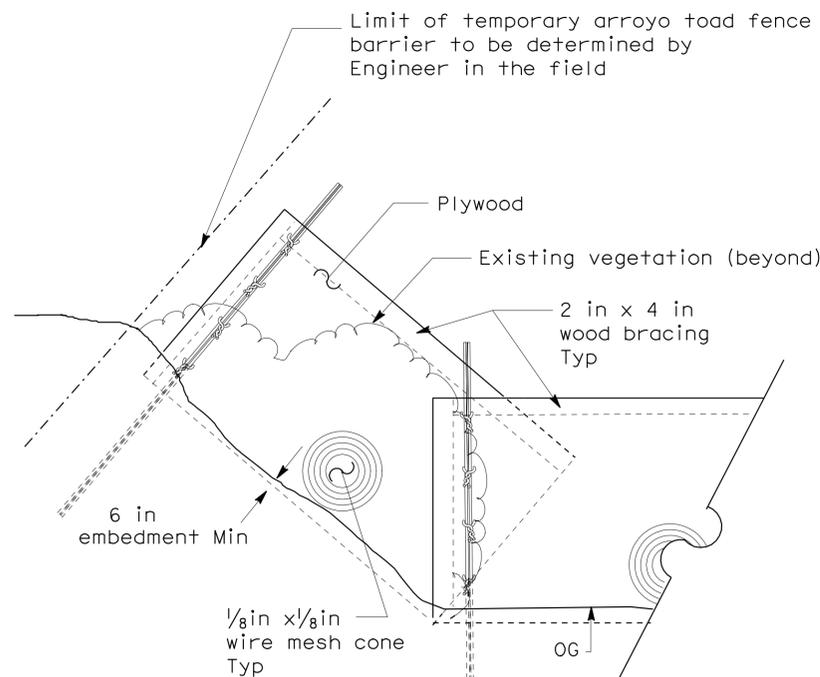


**ELEVATION**  
(SEE SECTION A)

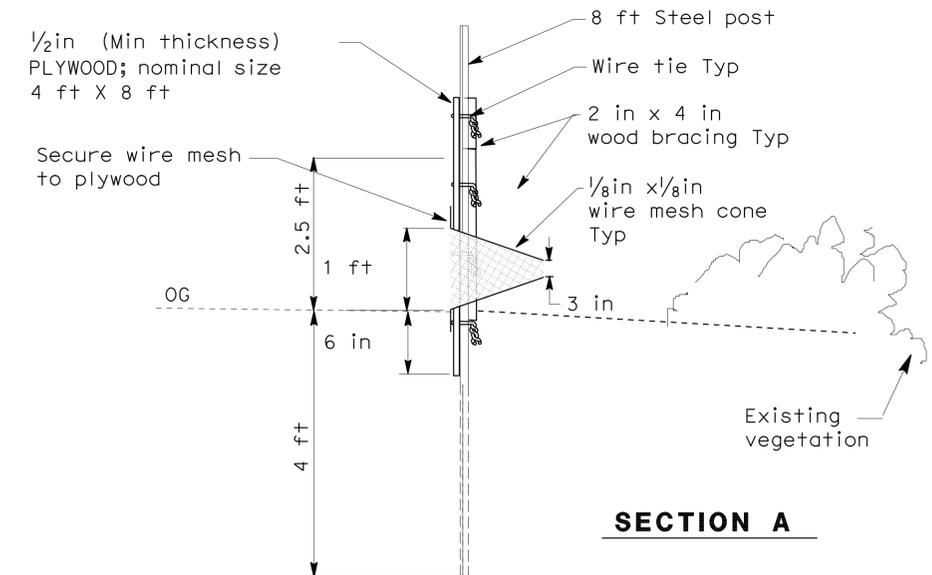


**ELEVATION**

CREEK AT QUELLE MADELINE  
DOWNSTREAM OF CULVERY LOCATION OPENINGS



**END DETAIL**



**SECTION A**

**LANDSCAPE DETAILS  
MAINTAIN EXISTING TEMPORARY  
ARROYO TOAD FENCE**

NO SCALE

**LD-2**

STATE OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION  
LANDSCAPE ARCHITECTURE  
ERIC DICKSON  
SENIOR LANDSCAPE ARCHITECT  
RONALD WONG  
DEEDEE MARTINEZ  
REVISOR  
DATE REVISOR





Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
12	Ora	74	13.3/16.6	20	30

<i>Mostafa Aliaakbarzadeh</i>	05-29-09
REGISTERED CIVIL ENGINEER	DATE
10-12-09	
PLANS APPROVAL DATE	

REGISTERED PROFESSIONAL ENGINEER
MOSTAFA ALIAKBARZADEH
No. C-53003
EXP. 03-31-09
CIVIL
STATE OF CALIFORNIA

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### CONSTRUCTION AREA SIGNS

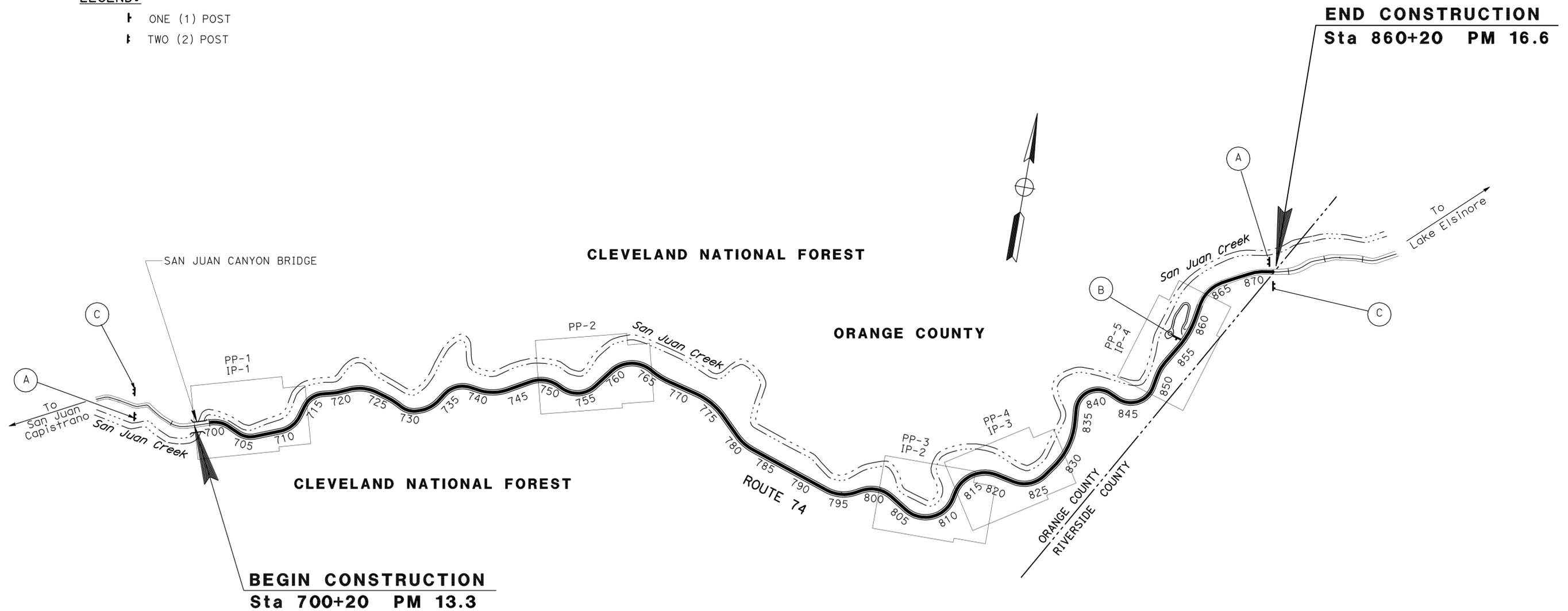
SIGN NO.	SIGN CODE	PANEL SIZE	SIGN MESSAGE	NO. OF POST AND SIZE	NO. OF SIGNS
(A)	W20-1	72" x 72"	ROAD WORK AHEAD	2 - 4" x 6"	2
(B)	W20-1	48" x 48"	ROAD WORK AHEAD	1 - 4" x 4"	1
(C)	W20-2	60" x 24"	END CONSTRUCTION	2 - 4" x 4"	2

**NOTE:**

1. SIGN LOCATIONS ARE APPROXIMATE. EXACT LOCATIONS TO BE DETERMINED BY THE ENGINEER.

**LEGEND:**

- ┆ ONE (1) POST
- ┆ TWO (2) POST



### CONSTRUCTION AREA SIGNS

NO SCALE

CS-1



STATE OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION  
**Caltrans**  
 TRAFFIC DESIGN  
 FUNCTIONAL SUPERVISOR: ADEL MALEK  
 CALCULATED/DESIGNED BY: M ALIAKBARZADEH  
 CHECKED BY: M ALIAKBARZADEH  
 REVISED BY: M ALIAKBARZADEH  
 DATE REVISED:

DIST	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET NO.	TOTAL SHEETS
12	Ora	74	13.3/16.6	21	30

*Gregory A. Balzer*  
 LICENSED LANDSCAPE ARCHITECT  
 June 5, 2009  
 PLANS APPROVAL DATE  
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To accompany plans dated 10-12-09

2006 REVISED STANDARD PLAN RSP H1

**A**

AB aggregate base  
 ABS acrylonitrile-butadiene-styrene  
 AC asphalt concrete  
 Adj adjacent/adjustable  
 AIC auxiliary irrigation controller  
 Alt alternative  
 AMEND amendment  
 ARV air release valve  
 AUTO automatic  
 AUX auxiliary  
 AVB atmospheric vacuum breaker

**B**

B&B balled and burlapped  
 B/B brass/bronze  
 B/B/PL brass/bronze/plastic  
 B/PL brass/plastic  
 BFM bonded fiber matrix  
 Bit Ctd bituminous coated  
 BP booster pump  
 BPA backflow preventer assembly  
 BPAE backflow preventer assembly in enclosure  
 BPE backflow preventer enclosure  
 BV ball valve

**C**

CAP corrugated aluminum pipe  
 CARV combination air release valve  
 CCA cam coupler assembly  
 CEC controller enclosure cabinet  
 CHDPE corrugated high density polyethylene  
 CL chain link  
 CNC control and neutral conductors  
 Conc concrete  
 Cond conduit  
 CSP corrugated steel pipe  
 CST center strip  
 CV check valve

**D**

Dia diameter  
 DIP ductile iron pipe  
 DN diameter nominal

**E**

EA each  
 Elect electric/electrical  
 Elev elevation  
 ENCL enclosure  
 EP edge of pavement  
 ES edge of shoulder  
 EST end strip  
 ESTB establishment  
 ETW edge of traveled way

**F**

F full circle  
 F/P full/part circle  
 FAU filter assembly unit  
 FCV flow control valve  
 FERT fertilizer  
 FG finished grade  
 FIPT female iron pipe thread  
 FIS fertilizer injector system  
 FL flow line  
 FM flow monitor  
 FS flow sensor  
 Ft foot/feet  
 FV flush valve

**G**

GAL Gallon(s)  
 Galv galvanized  
 GARV garden valve  
 GPH gallons per hour  
 GPM gallons per minute  
 GSP galvanized steel pipe  
 GV gate valve

**H**

H half circle  
 HB hose bib  
 HDPE high density polyethylene  
 HP horsepower/hinge point  
 HPL high pressure line  
 Hwy highway

**I**

IC irrigation controller  
 ICC irrigation controller(s) in controller enclosure cabinet  
 ID inside diameter  
 In inches  
 IFS irrigation filtration system  
 IPS iron pipe size  
 IPT iron pipe thread  
 Irr irrigation

**L**

L length  
 LF linear foot

**M**

Max maximum  
 MBGR metal beam guard railing  
 MCV manual control valve  
 MIC master irrigation controller  
 Min minimum  
 MIPT male iron pipe thread  
 Misc miscellaneous  
 Mtl material  
 MVP maintenance vehicle pullout

**N**

NCN no common name  
 NL nozzle line  
 No. number  
 NPT national pipe thread

**O**

O/C on center  
 OD outside diameter  
 Oz ounce

**P**

P part circle  
 PB pull box  
 PCC portland cement concrete  
 PE polyethylene  
 PKt packet  
 PL plastic  
 PLT plant/planting  
 PLT ESTB plant establishment  
 PM post mile  
 PR pressure rated  
 PRLV pressure relief valve  
 PSFM polymer stabilized fiber matrix  
 PSI pounds per square inch  
 PRV pressure reducing valve  
 PVC polyvinyl chloride  
 Pvmt pavement

**Q**

Q quarter circle  
 QCV quick coupling valve

**R**

R radius  
 RCP reinforced concrete pipe  
 RCV remote control valve  
 RCVM remote control valve (master)  
 RCVMF remote control valve (master) w/ flow meter  
 RCW recycled/reclaimed water  
 RECP rolled erosion control product  
 REQ required  
 R/W right of way

**S**

S slip  
 SCC sprinkler control conduit  
 SCH schedule  
 SF state-furnished  
 Shld shoulder  
 SQFT square foot/feet  
 SQYD square yard(s)  
 SST side strip  
 Sta station  
 Std standard  
 SW sidewalk/sound wall

**T**

T third circle/thread  
 TLS truck loading standpipe  
 TQ three quarter circle  
 TRM turf reinforcement mat  
 TRVD traveled  
 TT two third circle  
 Typ typical

**U**

UG underground

**V**

VAU valve assembly unit

**W**

W width  
 W/ with  
 WM water meter  
 WS wye strainer  
 WSP welded steel pipe  
 WWM welded wire mesh

**NOTE:**  
 FOR ADDITIONAL ABBREVIATIONS,  
 SEE STANDARD PLANS A10A AND A10B.

**PLANTING AND IRRIGATION ABBREVIATIONS**

NO SCALE

RSP H1 DATED JUNE 5, 2009 SUPERSEDES STANDARD PLAN H1  
 DATED MAY 1, 2006 - PAGE 201 OF THE STANDARD PLANS BOOK DATED MAY 2006.

**REVISED STANDARD PLAN RSP H1**

DIST	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET NO.	TOTAL SHEETS
12	Ora	74	13.3/16.6	22	30

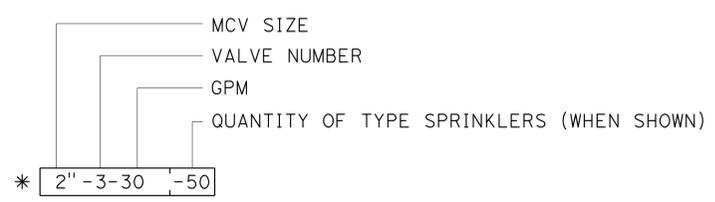
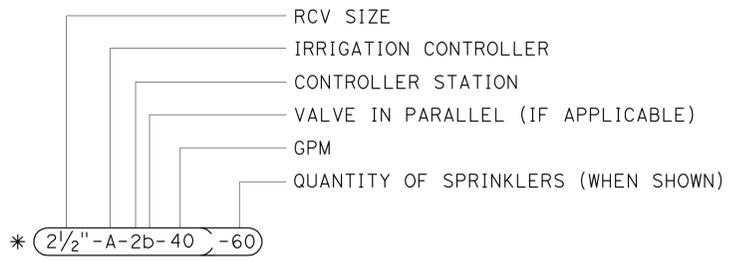
*Gregory A. Balzer*  
 LICENSED LANDSCAPE ARCHITECT  
 June 5, 2009  
 PLANS APPROVAL DATE  
The State of California or its officers or agents shall not be responsible for the accuracy or completeness of electronic copies of this plan sheet.

To accompany plans dated 10-12-09

EXISTING	PROPOSED	ITEM DESCRIPTION
		WATER METER (WM)
		BACKFLOW PREVENTER ASSEMBLY (BPA)
		BACKFLOW PREVENTER ASSEMBLY IN ENCLOSURE (BPAE)
		BACKFLOW PREVENTER ENCLOSURE (BPE)
		BOOSTER PUMP (BP)
		TRUCK LOADING STANDPIPE (TLS)
		FLOW SENSOR (FS)
		MASTER IRRIGATION CONTROLLER (MIC)
		AUXILIARY IRRIGATION CONTROLLER (AIC)
		IRRIGATION CONTROLLER (IC)/ IRRIGATION CONTROLLER (IC) (BATTERY) IRRIGATION CONTROLLER (IC) (SOLAR)
		IRRIGATION CONTROLLER(S) IN CONTROLLER ENCLOSURE CABINET (ICC)
		CONTROL AND NEUTRAL CONDUCTORS (CNC)
		SPRINKLER CONTROL CONDUIT (SCC)
		IRRIGATION CROSSOVER
		EXTEND IRRIGATION CROSSOVER
		IRRIGATION SLEEVE
		DUCTILE IRON PIPE (SUPPLY LINE) (MAIN) (DIP)
		GALVANIZED STEEL PIPE (SUPPLY LINE) (MAIN) (GSP)
		GALVANIZED STEEL PIPE (SUPPLY LINE) (LATERAL) (GSP)
		PLASTIC PIPE (PR 200) (SUPPLY LINE) (MAIN)
		PLASTIC PIPE (PR 200) (SUPPLY LINE) (LATERAL)
		PLASTIC PIPE (IRRIGATION LINE)
		REMOTE CONTROL VALVE (RCV) REMOTE CONTROL VALVE (MASTER) (RCVM) REMOTE CONTROL VALVE (MASTER) W/FLOW METER (RCVMF)
		MANUAL CONTROL VALVE (MCV)
		VALVE ASSEMBLY UNIT (VAU)
		WYE STRAINER (WS)
		FILTER ASSEMBLY UNIT (FAU)
		GATE VALVE (GV)
		BALL VALVE (BV)

EXISTING	PROPOSED	ITEM DESCRIPTION
		QUICK COUPLING VALVE (QCV)
		CAM COUPLER ASSEMBLY (CCA)
		PRESSURE REDUCING VALVE (PRV)
		PRESSURE RELIEF VALVE (PRLV)
		FLOW CONTROL VALVE (FCV)
		COMBINATION AIR RELEASE VALVE (CARV)
		CHECK VALVE (CV)
		FLUSH VALVE (FV)
		NOZZLE LINE W/TURNING UNION
		IRRIGATION SYSTEM
		IRRIGATION SYSTEM TO BE REMOVED
		CHAIN LINK GATE
		QUICK COUPLING VALVE W/SPRINKLER PROTECTOR
		SPRINKLER W/SPRINKLER PROTECTOR
		CONNECT TO EXISTING SYSTEM
		CAP
		CAP EXISTING

**VALVE CODE**



\* VALVE CODES FOR EXISTING VALVES ARE SHOWN IN A DASHED ENCLOSURE.

**PLANTING AND IRRIGATION SYMBOLS**

STATE OF CALIFORNIA  
DEPARTMENT OF TRANSPORTATION

NO SCALE

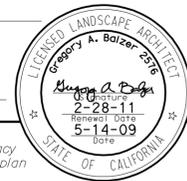
RSP H2 DATED JUNE 5, 2009 SUPERSEDES RSP H2 DATED MARCH 7, 2008 AND STANDARD PLAN H2 DATED MAY 1, 2006 - PAGE 202 OF THE STANDARD PLANS BOOK DATED MAY 2006.

**REVISED STANDARD PLAN RSP H2**

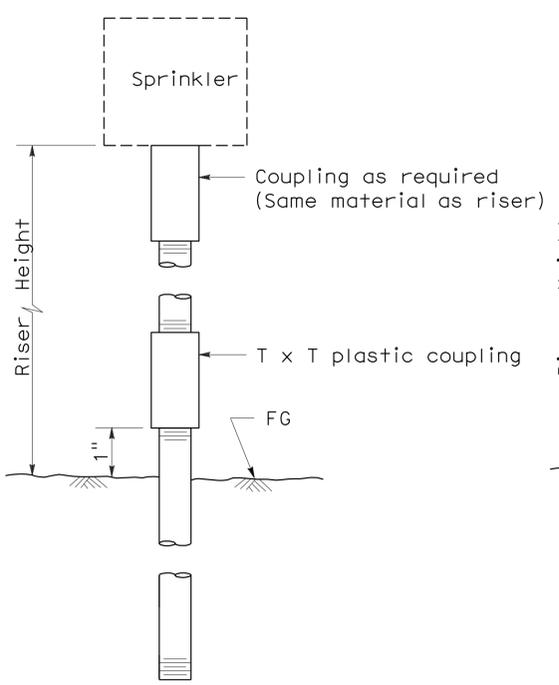
2006 REVISED STANDARD PLAN RSP H2

DIST	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET NO.	TOTAL SHEETS
12	Ora	74	13.3/16.6	23	30

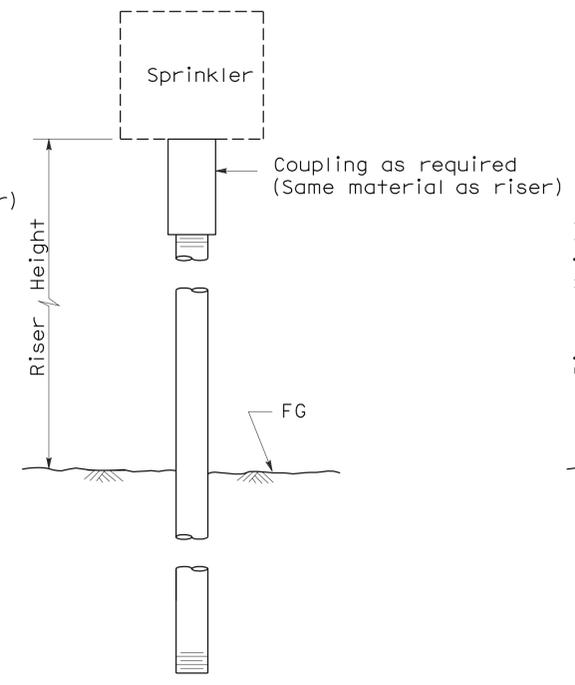
*Gregory A. Balzer*  
 LICENSED LANDSCAPE ARCHITECT  
 June 5, 2009  
 PLANS APPROVAL DATE  
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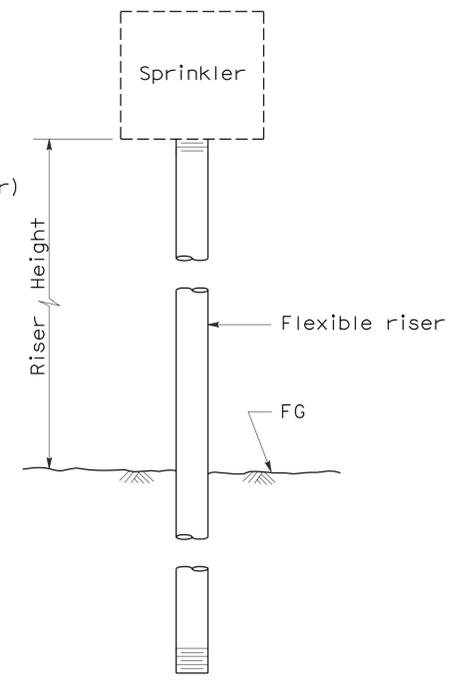
To accompany plans dated 10-12-09



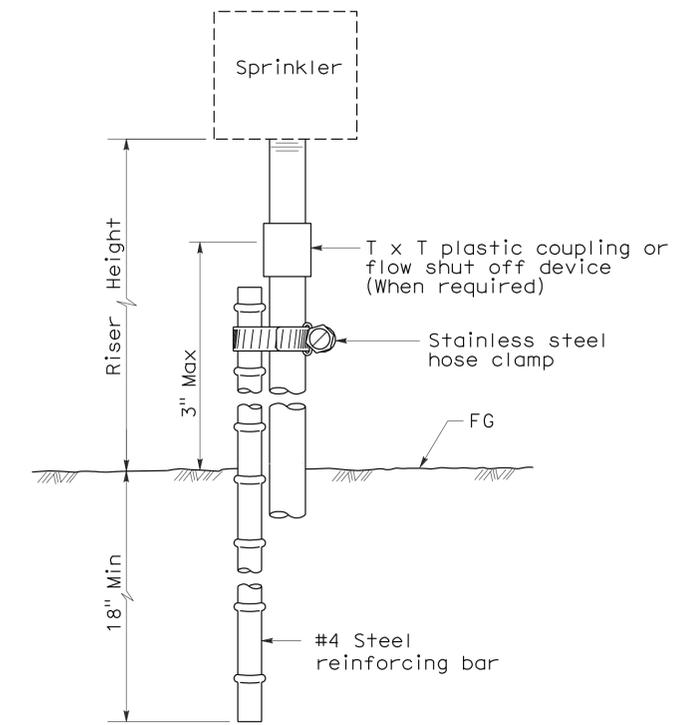
ELEVATION RISER TYPE I



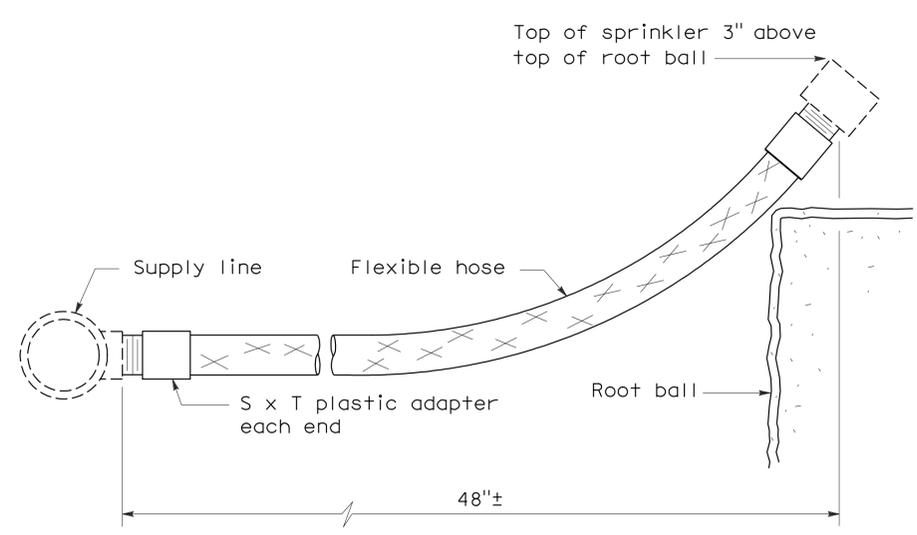
ELEVATION RISER TYPE II



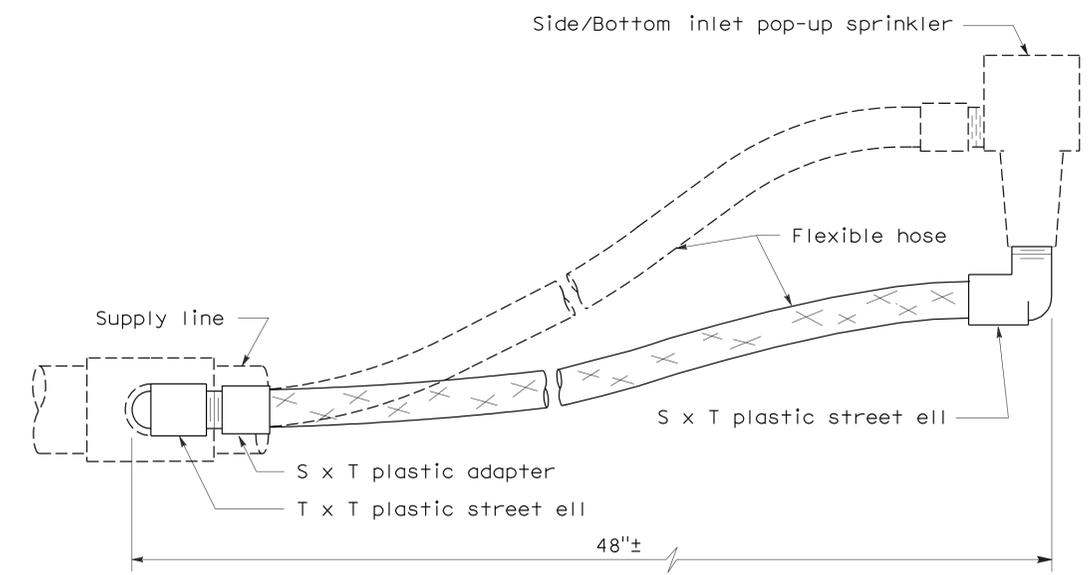
ELEVATION RISER TYPE III



ELEVATION RISER TYPE IV



ELEVATION RISER TYPE V



ELEVATION RISER TYPE VI

STATE OF CALIFORNIA  
 DEPARTMENT OF TRANSPORTATION  
**PLANTING AND IRRIGATION DETAILS**  
 NO SCALE

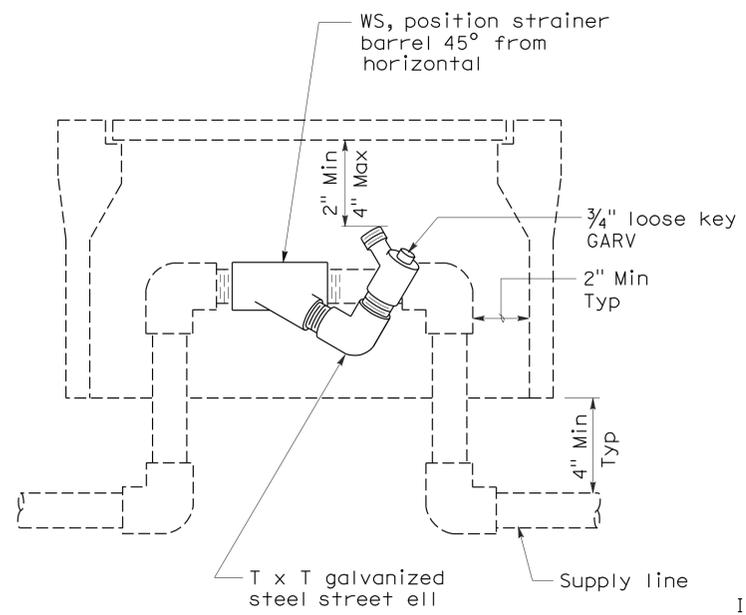
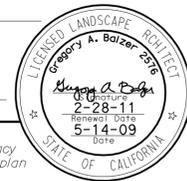
RSP H5 DATED JUNE 5, 2009 SUPERSEDES STANDARD PLAN H5  
 DATED MAY 1, 2006 - PAGE 205 OF THE STANDARD PLANS BOOK DATED MAY 2006.

**REVISED STANDARD PLAN RSP H5**

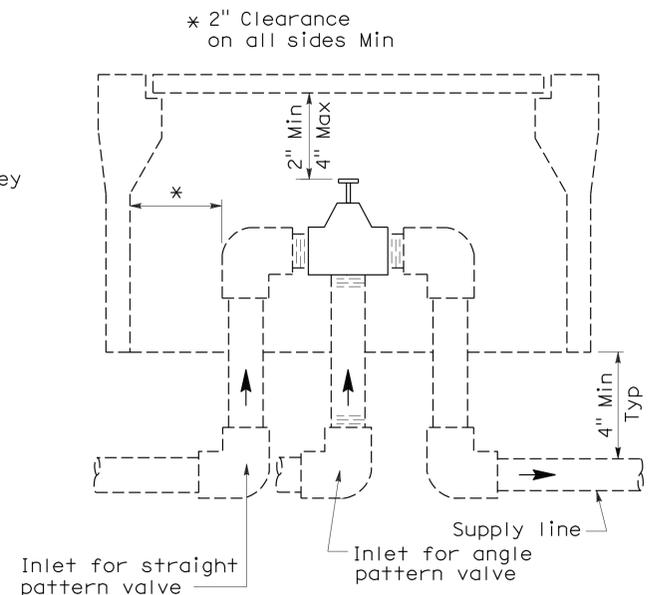
2006 REVISED STANDARD PLAN RSP H5

DIST	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET NO.	TOTAL SHEETS
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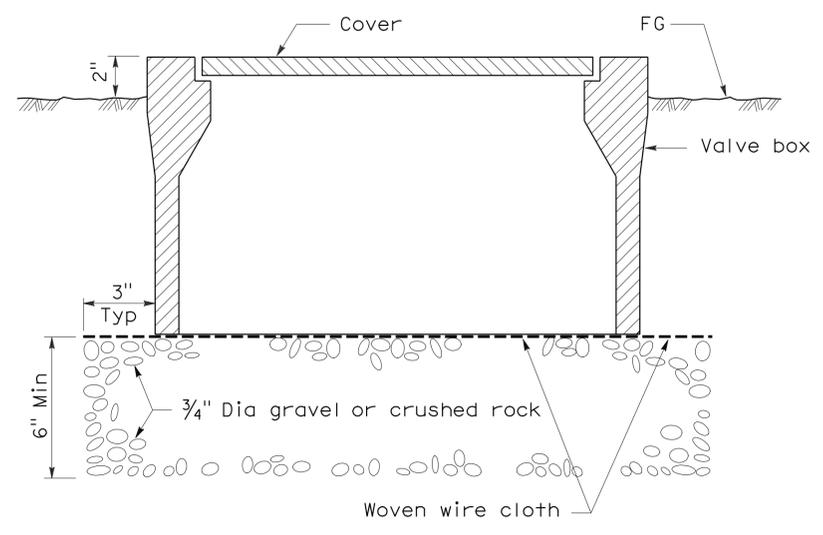
*Gregory A. Balzer*  
 LICENSED LANDSCAPE ARCHITECT  
 June 5, 2009  
 PLANS APPROVAL DATE  
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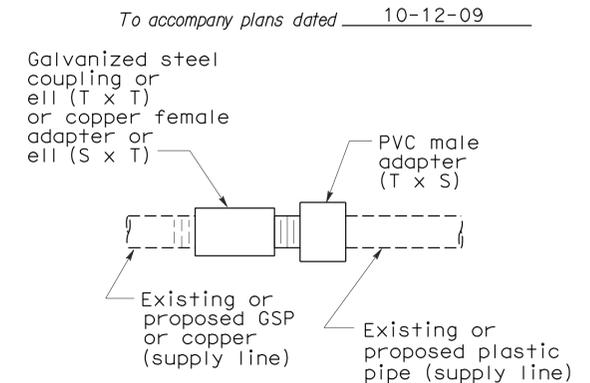
**ELEVATION  
WYE STRAINER**



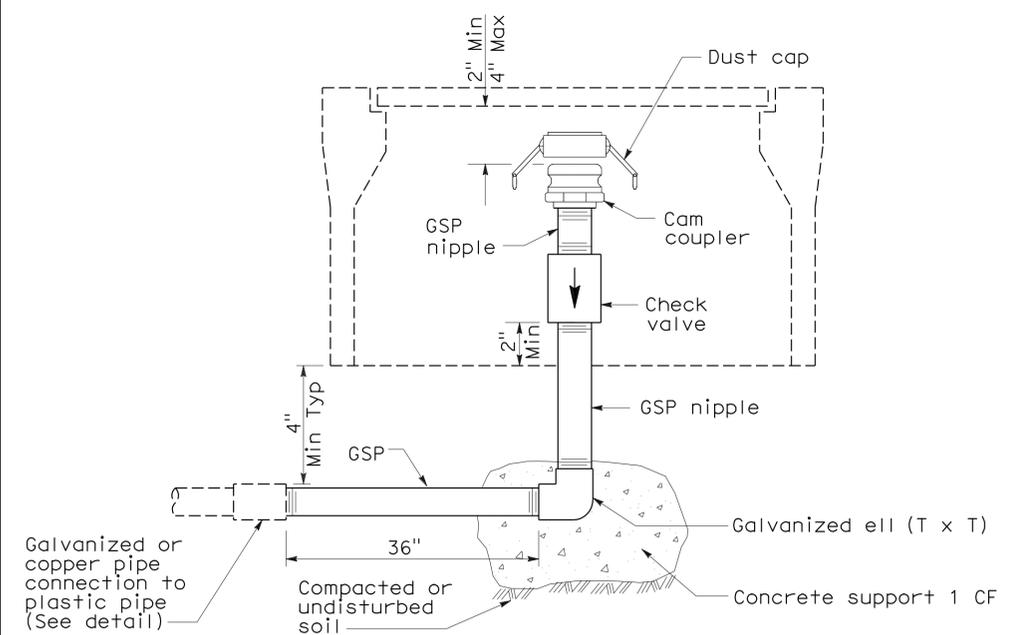
**ELEVATION  
VALVE**



**SECTION  
VALVE BOX**

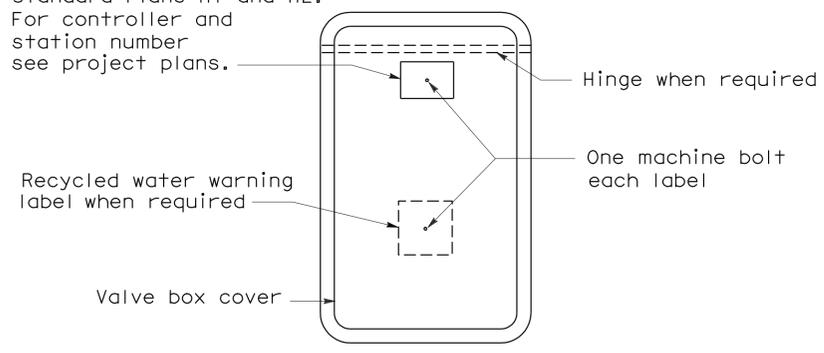


**PLAN  
GALVANIZED OR COPPER PIPE  
CONNECTION TO PLASTIC PIPE**

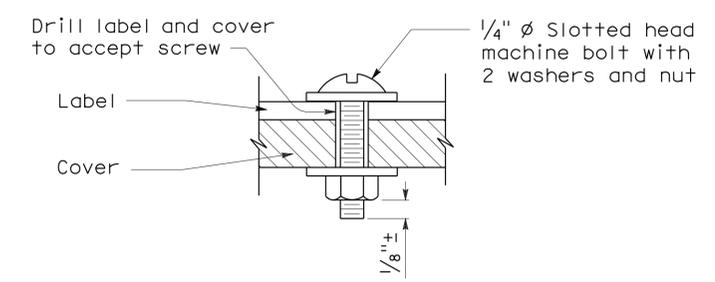


**ELEVATION  
CAM COUPLER ASSEMBLY**

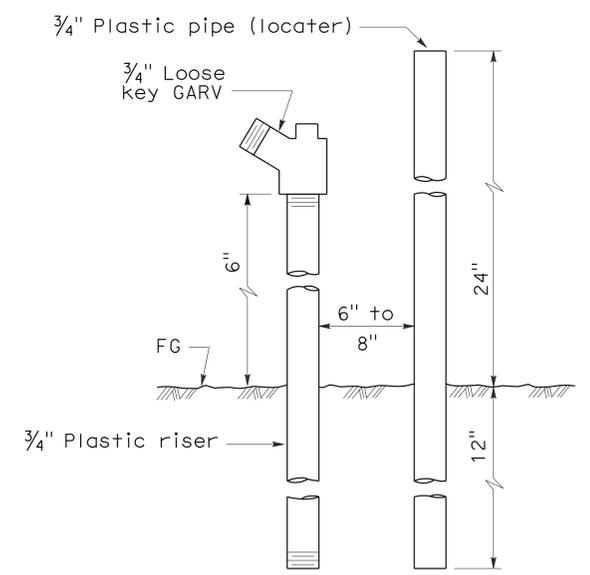
Identification label:  
 For abbreviations see Revised Standard Plans H1 and H2.  
 For controller and station number see project plans.



**PLAN**



**SECTION  
VALVE BOX IDENTIFICATION**



**ELEVATION  
FLUSH VALVE**

STATE OF CALIFORNIA  
 DEPARTMENT OF TRANSPORTATION

**PLANTING AND IRRIGATION  
DETAILS**

NO SCALE

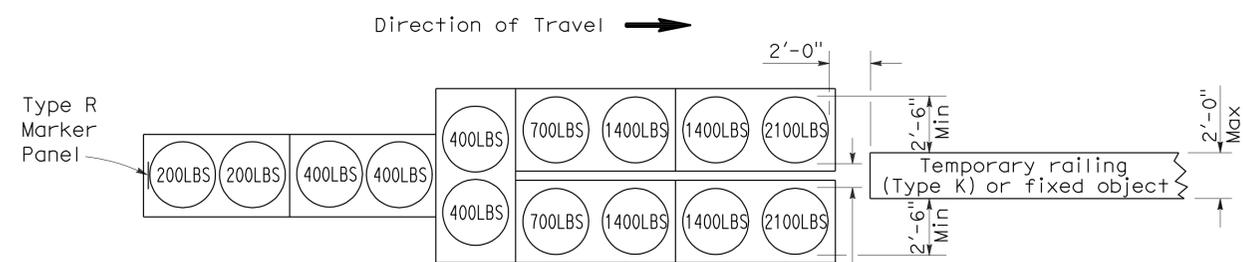
RSP H7 DATED JUNE 5, 2009 SUPERSEDES STANDARD PLAN H7  
 DATED MAY 1, 2006 - PAGE 207 OF THE STANDARD PLANS BOOK DATED MAY 2006.

**REVISED STANDARD PLAN RSP H7**

2006 REVISED STANDARD PLAN RSP H7

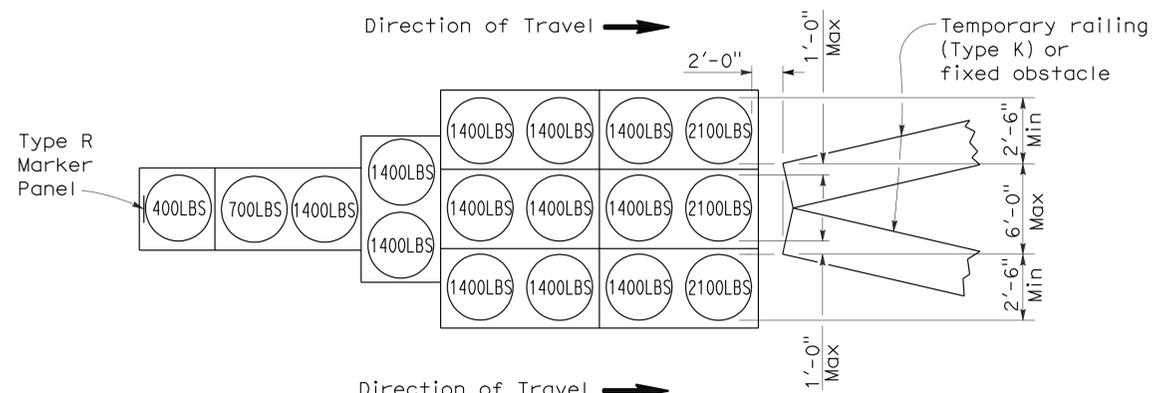
To accompany plans dated 10-12-09

2006 REVISED STANDARD PLAN RSP T1A



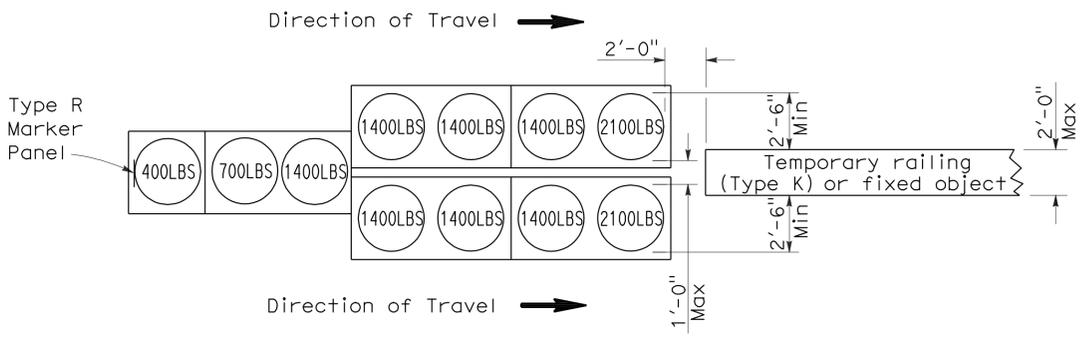
**ARRAY 'TU14'**

Approach speed 45 mph or more



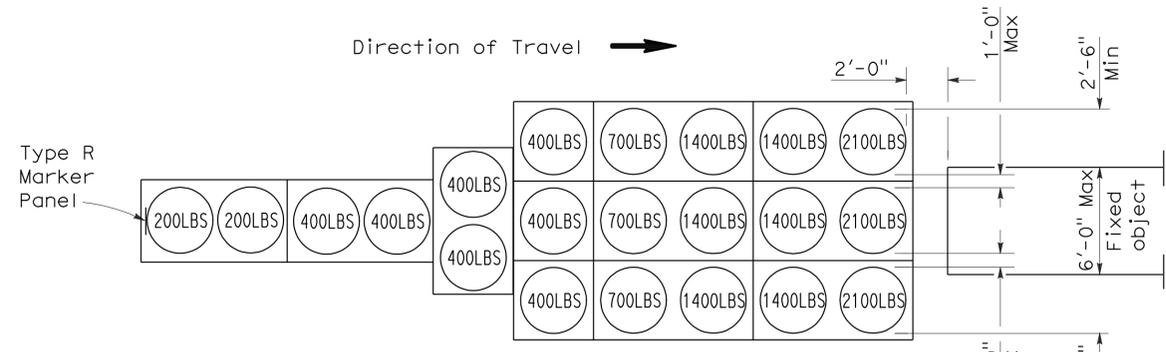
**ARRAY 'TU17'**

Approach speed less than 45 mph



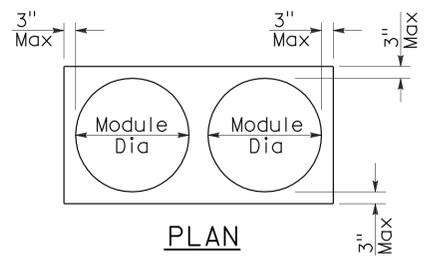
**ARRAY 'TU11'**

Approach speed less than 45 mph

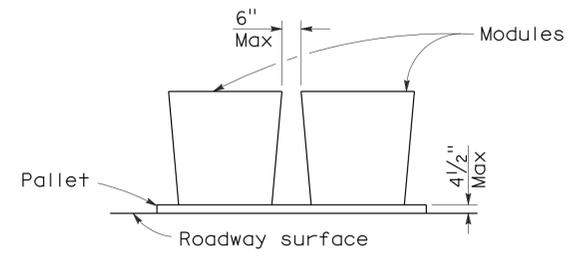


**ARRAY 'TU21'**

Approach speed 45 mph or more



**PLAN**



**ELEVATION**

**CRASH CUSHION PALLET DETAIL**

See Note 7

**NOTES:**

1. (XXX) Indicates sand filled module location and weight of sand in pounds for each module. Module spacing is based on the greater diameter of the module.
2. All sand weights are nominal.
3. Temporary crash cushion arrays shall not encroach on the traveled way.
4. Place the top of Type R marker panel 1" below the module lid.
5. Refer to Standard Plan A73B for marker details.
6. Approach speeds indicated conform to NCHRP 350 Report criteria.
7. Use of pallets is optional.

STATE OF CALIFORNIA  
DEPARTMENT OF TRANSPORTATION

**TEMPORARY CRASH CUSHION,  
SAND FILLED  
(UNIDIRECTIONAL)**

NO SCALE

RSP T1A DATED JUNE 6, 2008 SUPERSEDES STANDARD PLAN T1A  
DATED MAY 1, 2006 - PAGE 211 OF THE STANDARD PLANS BOOK DATED MAY 2006.

**REVISED STANDARD PLAN RSP T1A**

DIST	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET NO.	TOTAL SHEETS
12	Ora	74	13.3/16.6	26	30

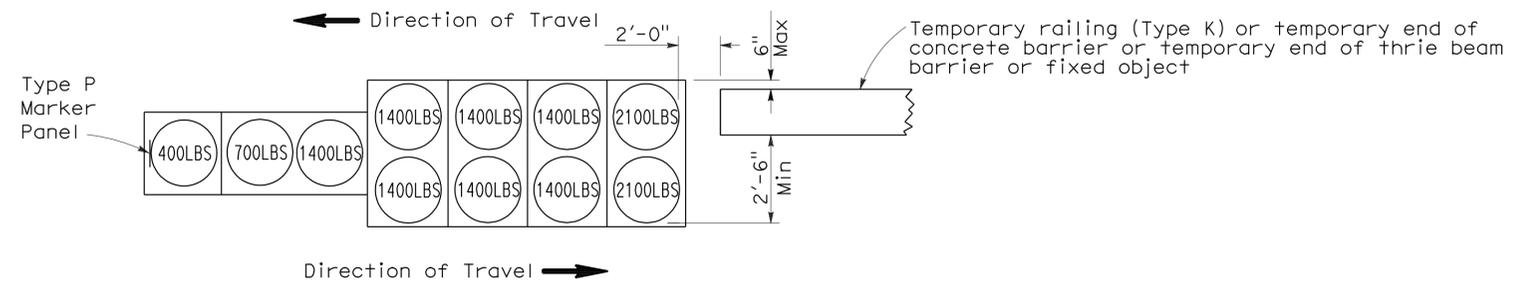
*Randell D. Hiatt*  
REGISTERED CIVIL ENGINEER

June 6, 2008  
PLANS APPROVAL DATE

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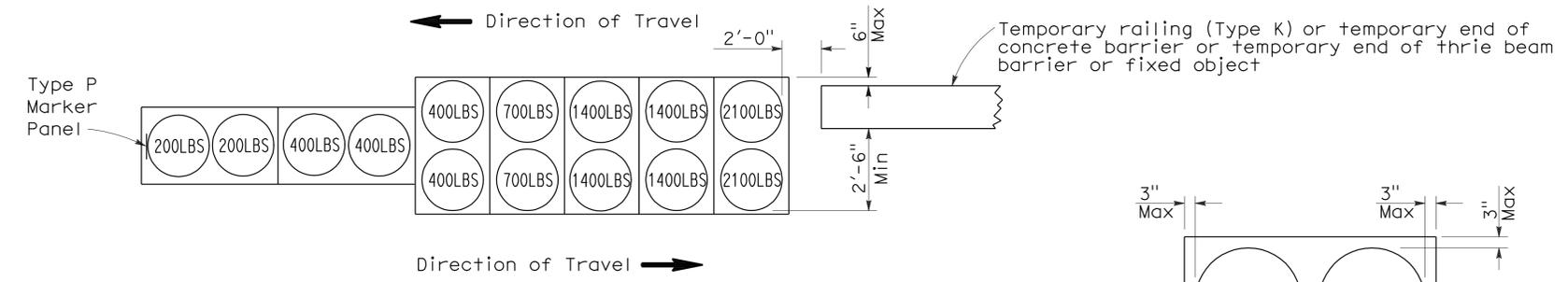
REGISTERED PROFESSIONAL ENGINEER  
No. C50200  
Exp. 6-30-09  
CIVIL  
STATE OF CALIFORNIA

To accompany plans dated 10-12-09



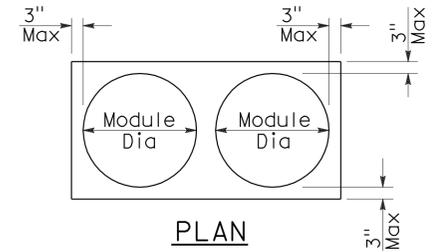
**ARRAY 'TB11'**

Approach speed less than 45 mph

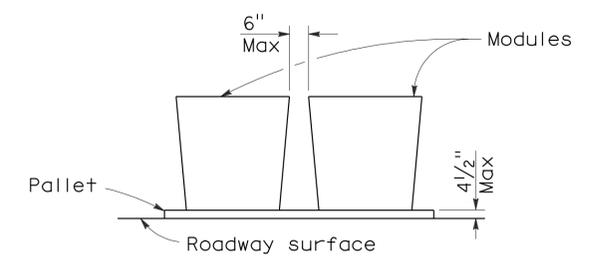


**ARRAY 'TB14'**

Approach speed 45 mph or more



PLAN



ELEVATION

**CRASH CUSHION PALLET DETAIL**

See Note 7

**NOTES:**

1. (XXX) Indicates sand filled module location and weight of sand in pounds for each module. Module spacing is based on the greater diameter of the module.
2. All sand weights are nominal.
3. Temporary crash cushion arrays shall not encroach on the traveled way.
4. Place the Type P marker panel so that the bottom of the panel rests upon the pallet.
5. Refer to Standard Plan A73B for marker details.
6. Approach speeds indicated conform to NCHRP 350 Report criteria.
7. Use of pallets is optional.

STATE OF CALIFORNIA  
DEPARTMENT OF TRANSPORTATION

**TEMPORARY CRASH CUSHION,  
SAND FILLED  
(BIDIRECTIONAL)**

NO SCALE

RSP T1B DATED JUNE 6, 2008 SUPERSEDES STANDARD PLAN T1B  
DATED MAY 1, 2006 - PAGE 212 OF THE STANDARD PLANS BOOK DATED MAY 2006.

**REVISED STANDARD PLAN RSP T1B**

2006 REVISED STANDARD PLAN RSP T1B

DIST	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET NO.	TOTAL SHEETS
12	Ora	74	13.3/16.6	27	30

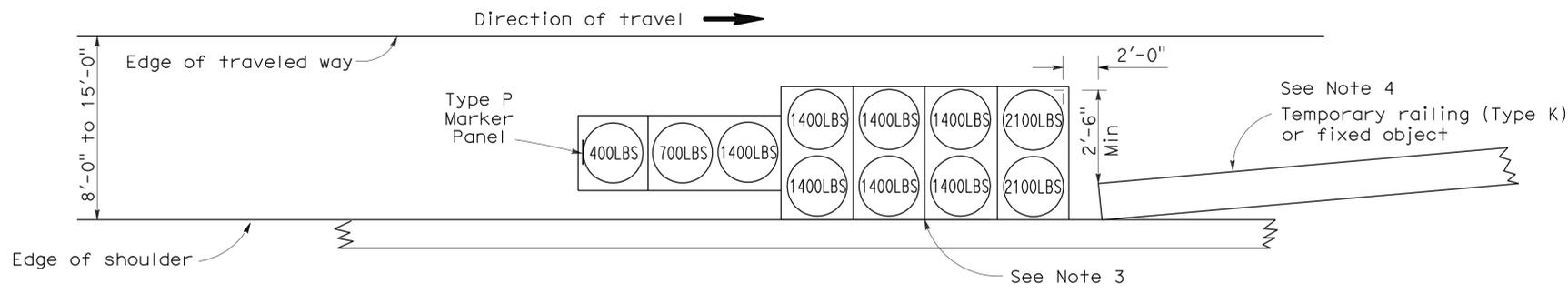
*Randell D. Hiatt*  
REGISTERED CIVIL ENGINEER

June 6, 2008  
PLANS APPROVAL DATE

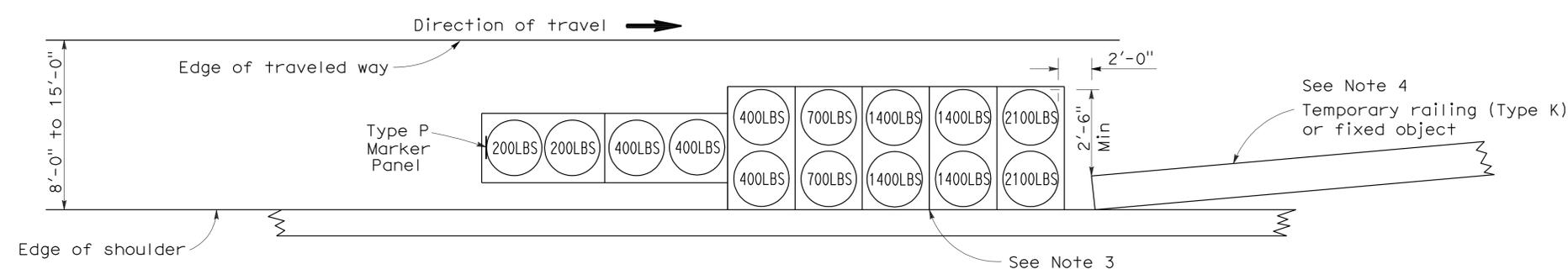
*Randell D. Hiatt*  
REGISTERED PROFESSIONAL ENGINEER  
No. C50200  
Exp. 6-30-09  
CIVIL  
STATE OF CALIFORNIA

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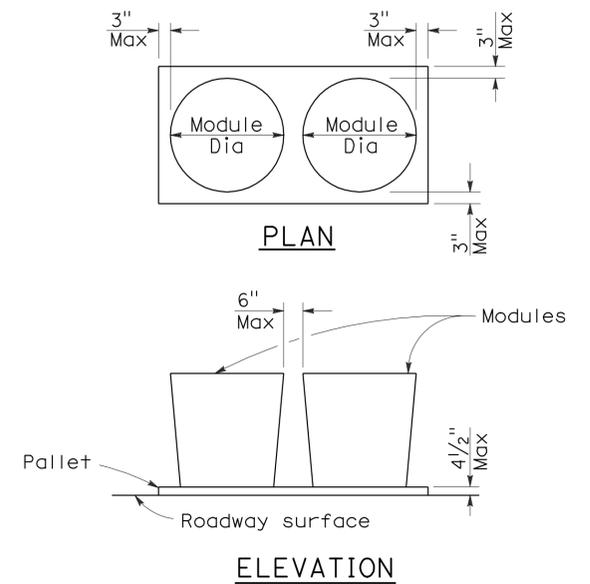
To accompany plans dated 10-12-09



**ARRAY 'TS11'**  
Approach speed less than 45 mph  
See Note 9



**ARRAY 'TS14'**  
Approach speed 45 mph or more  
See Note 9



**CRASH CUSHION PALLET DETAIL**  
See Note 11

**NOTES:**

1. (XXX) Indicates sand filled module location and weight of sand in pounds for each module. Module spacing is based on the greater diameter of the module.
2. All sand weights are nominal.
3. The temporary crash cushion arrays shown on this plan shall be used only in locations where there will be traffic on one side of the temporary crash cushion array.
4. If the fixed object or approach end of the temporary railing is less than 15'-0" from the edge of traveled way, a temporary crash cushion is required in a construction or work zone.
5. Temporary crash cushion arrays shall not encroach on the traveled way.
6. Arrays for median shoulders shall conform to details shown on this plan for outside shoulders.
7. Place the Type P marker panel so that the bottom of the panel rests upon the pallet and faces traffic.
8. Refer to Standard Plan A73B for marker details.
9. For shoulder widths less than 8'-0", appropriate approved crash cushion protection, other than sand filled modules, shall be provided at fixed objects and at approach ends of temporary railing. The specific type of crash cushion shall be as shown on the project plans or as specified in the Special Provisions, or if not shown on the project plans or specified in the Special Provisions, shall be as approved by the Engineer.
10. Approach speeds indicated conform to NCHRP 350 Report criteria.
11. Use of pallets is optional.

STATE OF CALIFORNIA  
DEPARTMENT OF TRANSPORTATION

**TEMPORARY CRASH CUSHION,  
SAND FILLED  
(SHOULDER INSTALLATIONS)**

NO SCALE

RSP T2 DATED JUNE 6, 2008 SUPERSEDES STANDARD PLAN T2  
DATED MAY 1, 2006 - PAGE 213 OF THE STANDARD PLANS BOOK DATED MAY 2006.

**REVISED STANDARD PLAN RSP T2**

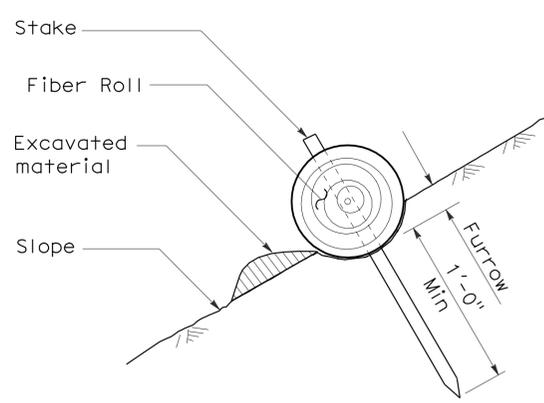
2006 REVISED STANDARD PLAN RSP T2



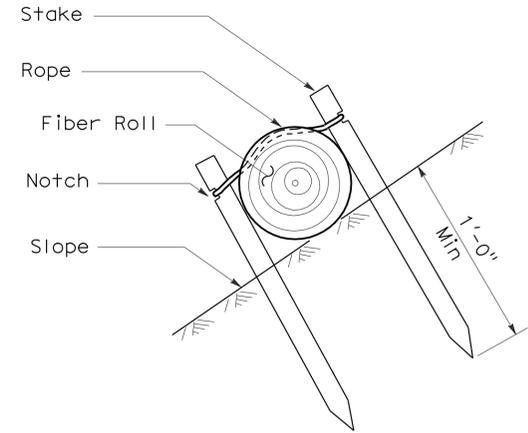
DIST	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET NO.	TOTAL SHEETS
12	Ora	74	13.3/16.6	29	30

*Robert B. Schott*  
 LICENSED LANDSCAPE ARCHITECT  
 April 3, 2009  
 PLANS APPROVAL DATE  
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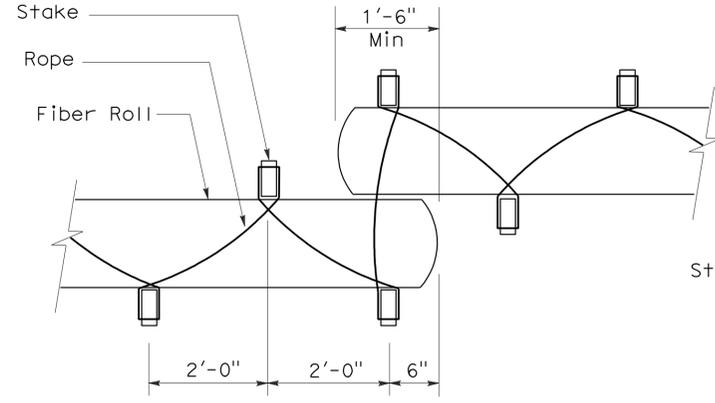
To accompany plans dated 10-12-09



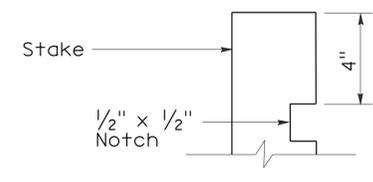
**SECTION**  
**TEMPORARY FIBER ROLL (TYPE 1)**



**SECTION**  
**TEMPORARY FIBER ROLL (TYPE 2)**

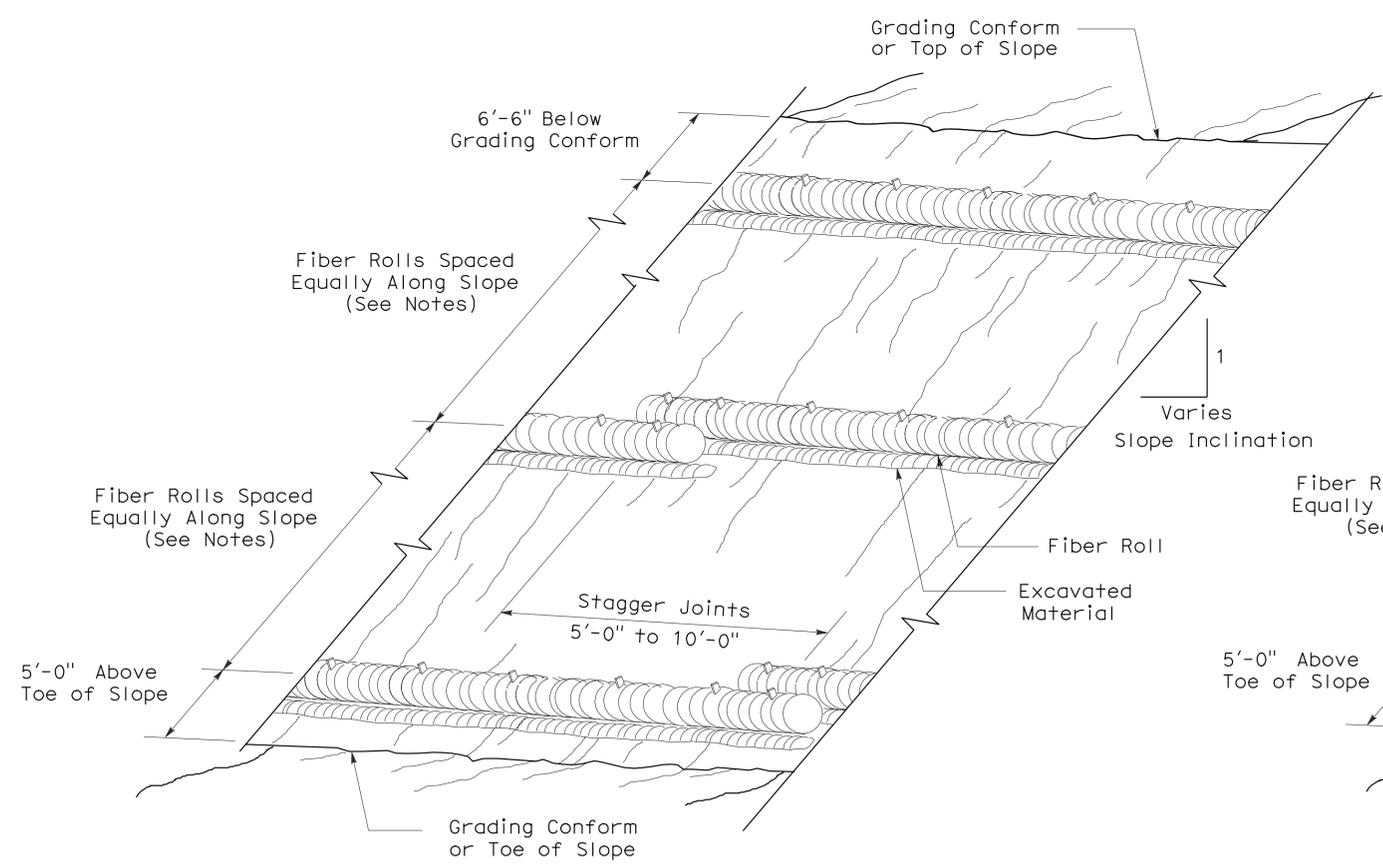


**PLAN**

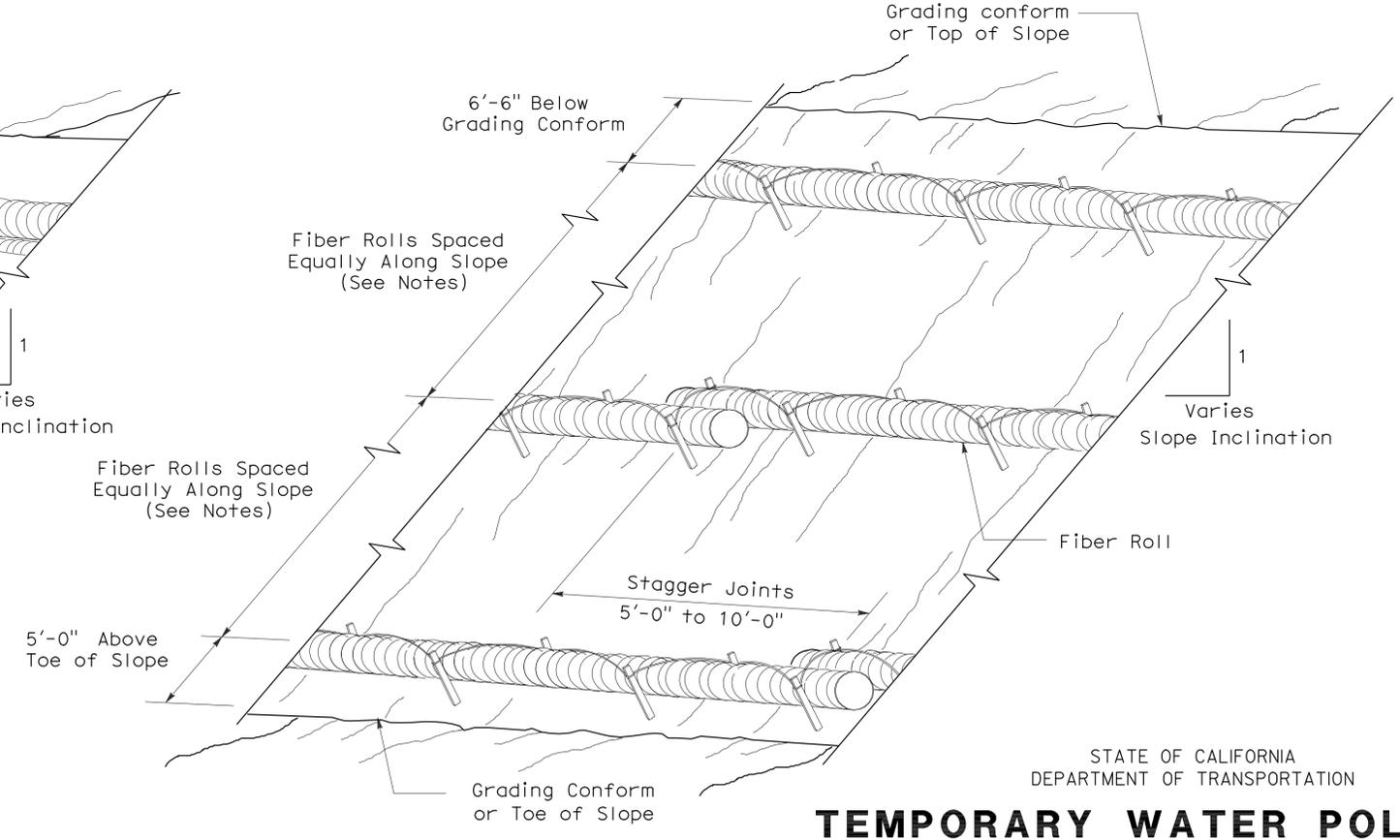


**ELEVATION**  
**STAKE NOTCH DETAIL**

- NOTES:**
1. Temporary fiber roll spacing varies depending upon slope inclination.
  2. Installations shown in the perspectives are for slope inclination of 10:1 and steeper.



**PERSPECTIVE**  
**TEMPORARY FIBER ROLL (TYPE 1)**



**PERSPECTIVE**  
**TEMPORARY FIBER ROLL (TYPE 2)**

STATE OF CALIFORNIA  
 DEPARTMENT OF TRANSPORTATION

**TEMPORARY WATER POLLUTION CONTROL DETAILS (TEMPORARY FIBER ROLL)**

NO SCALE

RSP T56 DATED APRIL 3, 2009 SUPERSEDES STANDARD PLAN T56 DATED MAY 1, 2006 - PAGE 232 OF THE STANDARD PLANS BOOK DATED MAY 2006.

**REVISED STANDARD PLAN RSP T56**

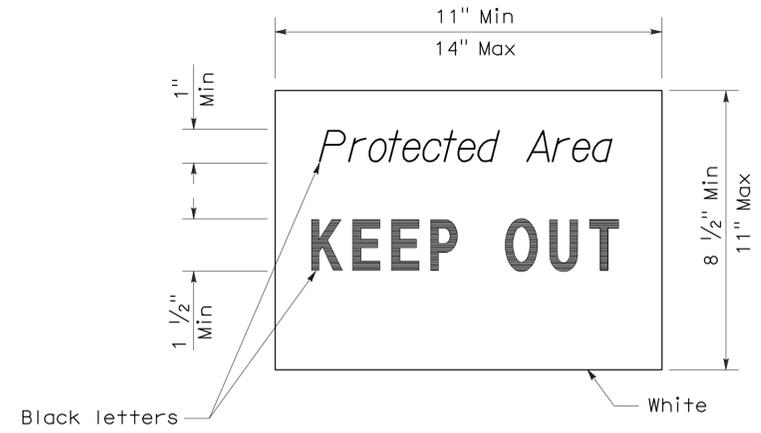
2006 REVISED STANDARD PLAN RSP T56

DIST	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET NO.	TOTAL SHEETS
12	Ora	74	13.3/16.6	30	30

*Robert B. Schott*  
 LICENSED LANDSCAPE ARCHITECT  
 April 3, 2009  
 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.

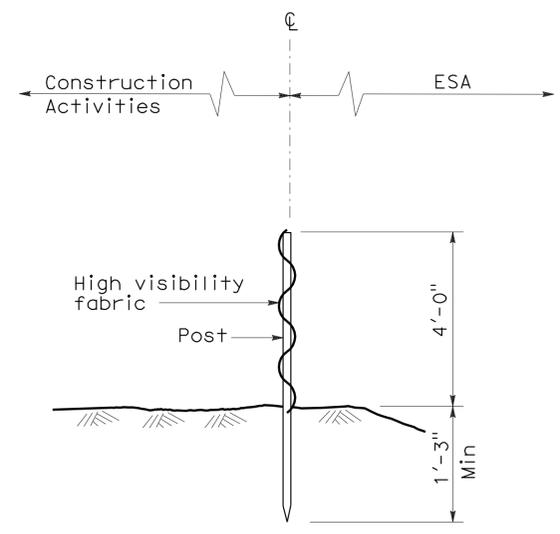


To accompany plans dated 10-12-09

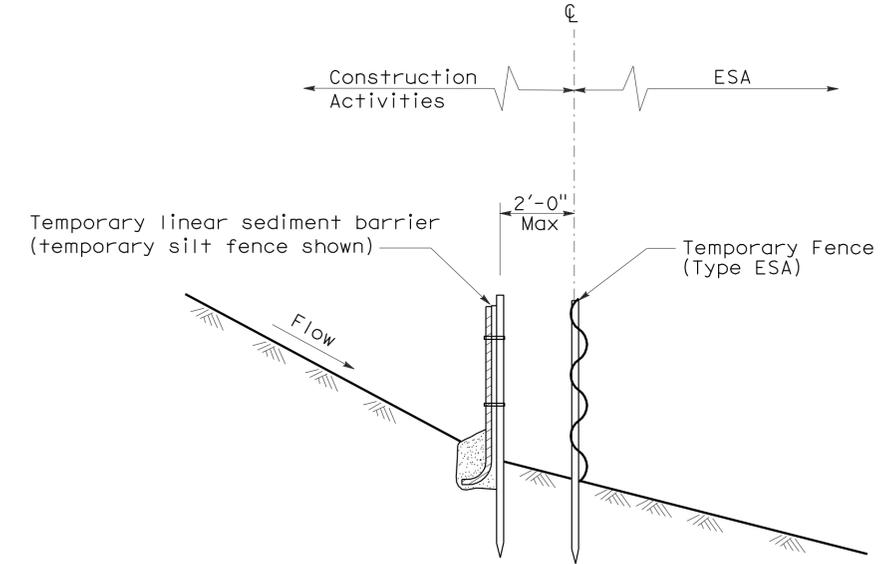


SIGN DETAIL

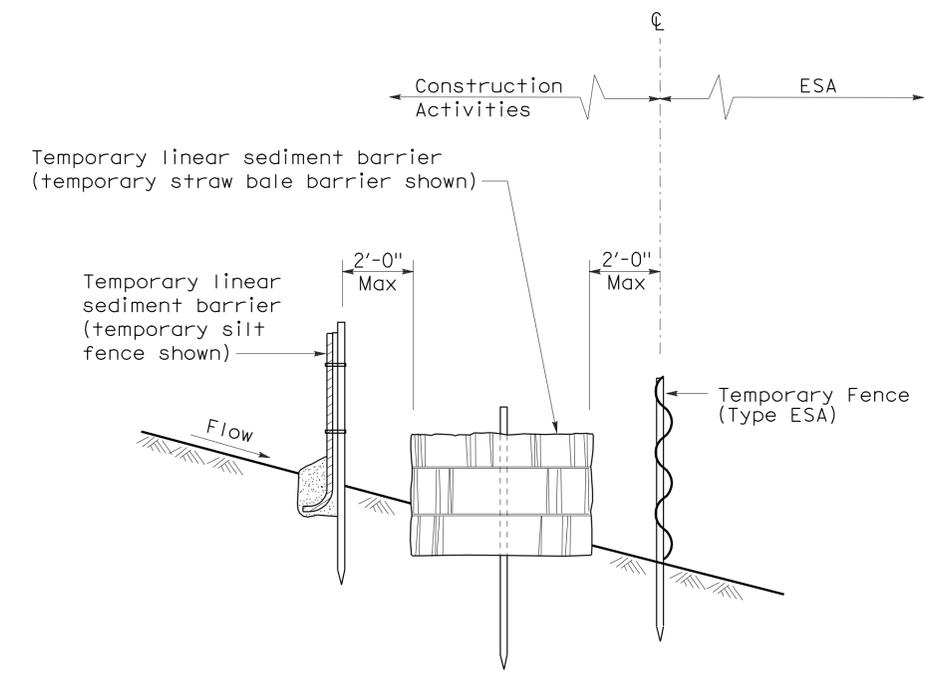
- NOTE:**
1. Temporary silt fence and temporary straw bale barrier shown for reference purposes only.



SECTION TEMPORARY FENCE (TYPE ESA)



SECTION PLACEMENT DETAIL FOR TEMPORARY LINEAR SEDIMENT BARRIER USED WITH TEMPORARY FENCE (TYPE ESA)  
(See Note 1)



SECTION PLACEMENT DETAIL FOR TEMPORARY SILT FENCE AND TEMPORARY STRAW BALE BARRIER USED WITH TEMPORARY FENCE (TYPE ESA)  
(See Note 1)

STATE OF CALIFORNIA  
 DEPARTMENT OF TRANSPORTATION  
**TEMPORARY WATER POLLUTION CONTROL DETAILS**  
**[TEMPORARY FENCE (TYPE ESA)]**  
 NO SCALE

NSP T65 DATED APRIL 3, 2009 SUPPLEMENTS  
 THE STANDARD PLANS BOOK DATED MAY 2006.

**NEW STANDARD PLAN NSP T65**

2006 NEW STANDARD PLAN NSP T65