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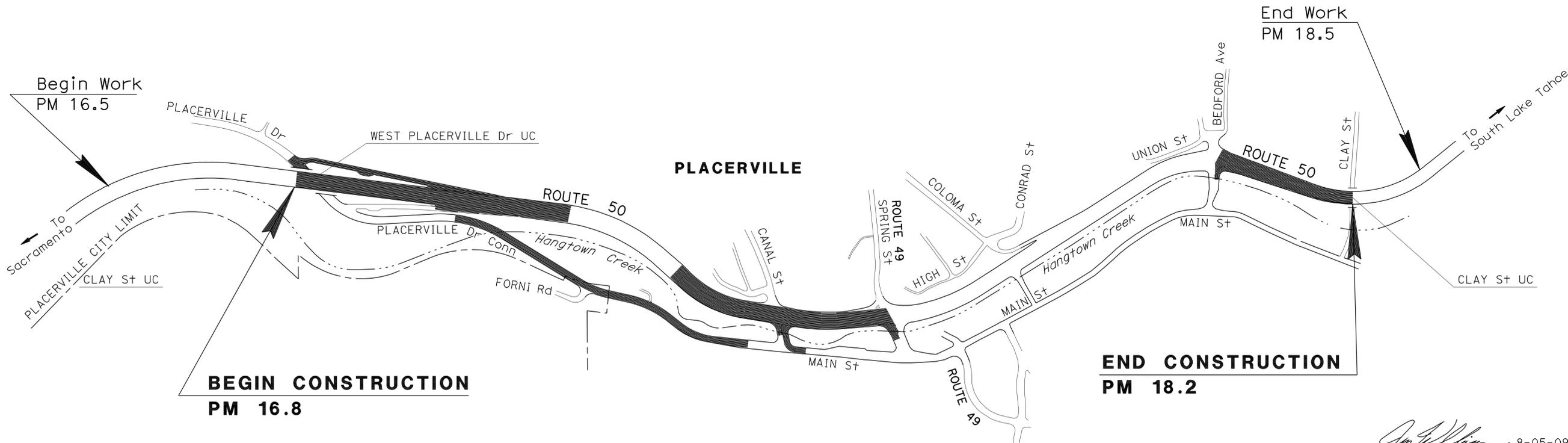
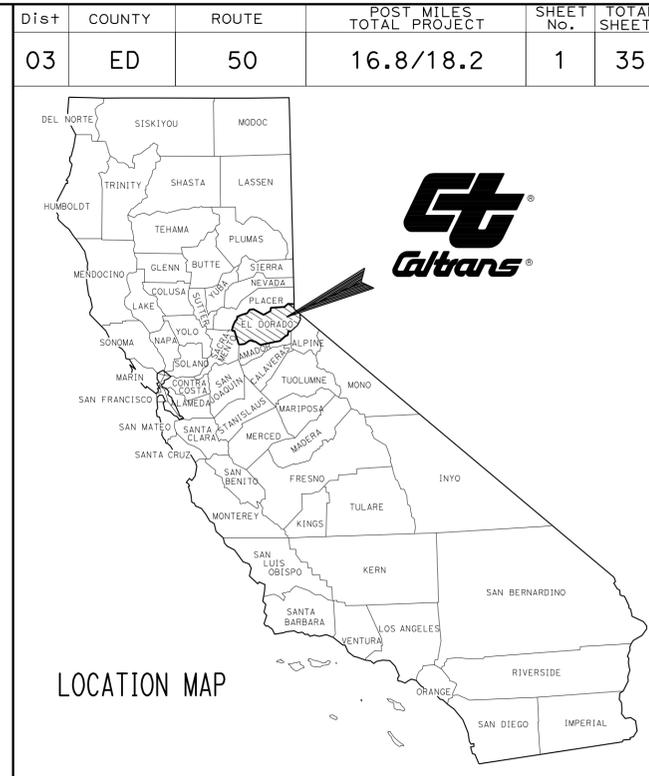
THE STANDARD PLANS LIST APPLICABLE TO THIS CONTRACT IS INCLUDED IN THE NOTICE TO BIDDERS AND SPECIAL PROVISIONS BOOK.

STATE OF CALIFORNIA
DEPARTMENT OF TRANSPORTATION

NH-P050(122)E

PROJECT PLANS FOR CONSTRUCTION ADJACENT TO
STATE HIGHWAY
IN EL DORADO COUNTY
IN PLACERVILLE
FROM 0.1 MILE WEST OF
WEST PLACERVILLE UNDERCROSSING
TO CLAY STREET UNDERCROSSING

TO BE SUPPLEMENTED BY STANDARD PLANS DATED MAY 2006



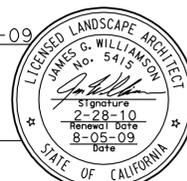
PROJECT MANAGER
CLARK PERI

SENIOR LANDSCAPE ARCHITECT
JD ADAMS

BEGIN CONSTRUCTION
PM 16.8

END CONSTRUCTION
PM 18.2

James G. Williamson 8-05-09
LICENSED LANDSCAPE ARCHITECT



December 7, 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.

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

NO SCALE

Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
03	ED	50	16.8/18.2	2	35

8-05-09
 LICENSED LANDSCAPE ARCHITECT
 12-7-09
 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

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	SOIL AMEND	COMMERCIAL FERTILIZER ①		BASIN MULCH ①③	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
I	1.		<u>ALNUS RHOMBIFOLIA</u>	WHITE ALDER	POT	132	②	②	⑥	--	1 CF	2 PKT	0.125 LB	--	--	30	--	20	20	10	12	5	TREE - BEHIND MBGR
	2.		<u>ARCTOSTAPHYLOS PATULA</u>	GREENLEAF MANZANITA	POT	41	②	②	II	--	1 CF	2 PKT	0.125 LB	--	--	--	6	6	6	6	8	6	SHRUB
	3.		<u>CALOCEDRUS DECURRENS</u>	INCENSE CEDAR	POT	33	②	②	II	--	1 CF	2 PKT	0.125 LB	1 CF	--	30	--	20	20	20	22	10	TREE - BEHIND MBGR
	4.		<u>CERCIS OCCIDENTALIS</u>	WESTERN REDBUD	POT	18	②	②	II	--	1 CF	2 PKT	0.125 LB	--	--	--	15	15	15	15	15	10	SHRUB
	5.		<u>HETEROMELES ARBUTIFOLIA</u>	TOYON	POT	21	②	②	II	--	1 CF	2 PKT	0.125 LB	--	--	--	15	15	10	10	12	10	SHRUB
	6.		<u>JUGLANS CALIFORNICA</u> VAR. HINDSII	BLACK WALNUT	POT	68	②	②	II	--	1 CF	2 PKT	0.125 LB	1 CF	--	30	--	20	20	20	22	10	TREE - BEHIND MBGR FOLIAGE PROTECTOR
	7.		<u>PINUS PONDEROSA</u>	PONDEROSA PINE	POT	48	②	②	II	--	1 CF	2 PKT	0.125 LB	1 CF	--	30	--	20	20	20	22	10	TREE - BEHIND MBGR
	8.		<u>QUERCUS DOUGLASII</u>	BLUE OAK	POT	112	②	②	II	--	1 CF	2 PKT	0.125 LB	1 CF	--	30	--	10	15	15	17	10	TREE - BEHIND MBGR FOLIAGE PROTECTOR
	9.		<u>QUERCUS KELLOGGII</u>	BLACK OAK	POT	292	②	②	II	--	1 CF	2 PKT	0.125 LB	1 CF	--	30	--	10	20	20	22	10	TREE - BEHIND MBGR FOLIAGE PROTECTOR
	10.		<u>QUERCUS LOBATA</u>	VALLEY OAK	POT	50	②	②	II	--	1 CF	2 PKT	0.125 LB	1 CF	--	30	--	10	20	20	22	10	TREE - BEHIND MBGR FOLIAGE PROTECTOR
	11.		<u>SALIX LAEVIGATA</u>	RED WILLOW	POT	70	②	②	⑥	--	1 CF	2 PKT	0.125 LB	--	--	--	15	15	10	10	12	5	SHRUB

APPLICABLE WHEN CIRCLED:

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

NOTE:

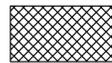
Underlined portions of botanical name indicate abbreviations used on Planting Plans.

**PLANT LIST
PL - 1**



NOTE:
FOR COMPLETE RIGHT OF WAY AND ACCURATE ACCESS DATA,
SEE RIGHT OF WAY RECORD MAPS AT DISTRICT OFFICE.

LEGEND



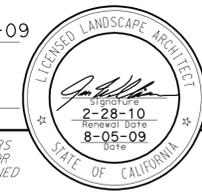
- EROSION CONTROL (COMPOST BLANKET)

Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
03	ED	50	16.8/18.2	3	35

[Signature] 8-05-09
LICENSED LANDSCAPE ARCHITECT

12-7-09
PLANS APPROVAL DATE

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STATE OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION
Caltrans LANDSCAPE ARCHITECTURE

SENIOR LANDSCAPE ARCHITECT
JD ADAMS

CALCULATED-DESIGNED BY
CHECKED BY

J. WILLIAMSON
JD ADAMS

REVISED BY
DATE REVISED



THIS PLAN ACCURATE FOR PLANTING WORK ONLY

PLANTING PLAN
SCALE: 1"=20'

PP-1

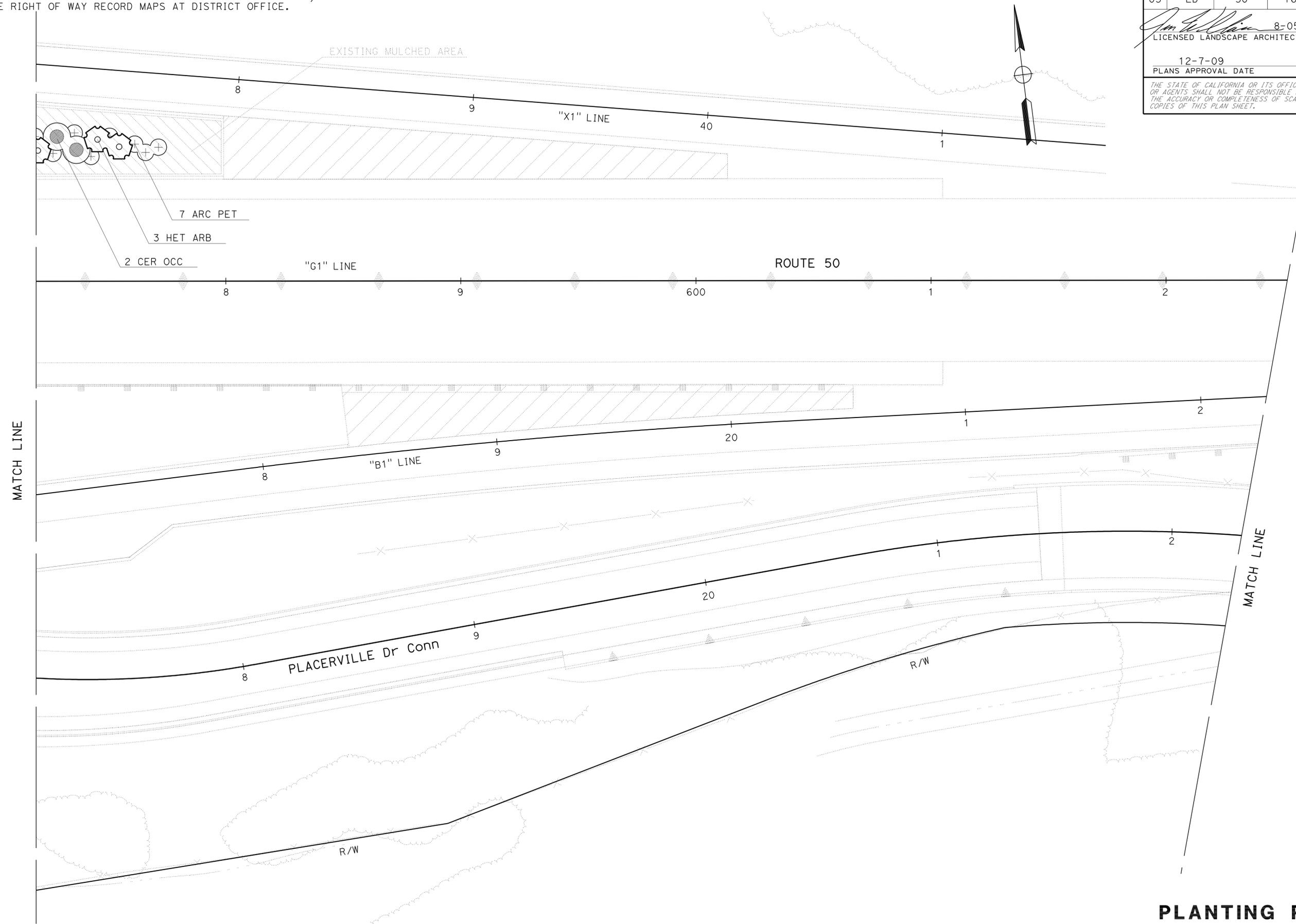
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03	ED	50	16.8/18.2	4	35

8-05-09
 LICENSED LANDSCAPE ARCHITECT

12-7-09
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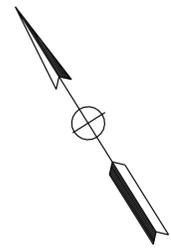


STATE OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION	LANDSCAPE ARCHITECTURE	SENIOR LANDSCAPE ARCHITECT	DESIGNED BY	REVISOR
Caltrans	LANDSCAPE ARCHITECTURE	JD ADAMS	JD ADAMS	J. WILLIAMSON
			CHECKED BY	DATE REVISOR
				JD ADAMS

THIS PLAN ACCURATE FOR PLANTING WORK ONLY

PLANTING PLAN
 SCALE: 1"=20' **PP-2**

NOTE:
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DIST	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
03	ED	50	16.8/18.2	5	35

8-05-09
LICENSED LANDSCAPE ARCHITECT

12-7-09
PLANS APPROVAL DATE

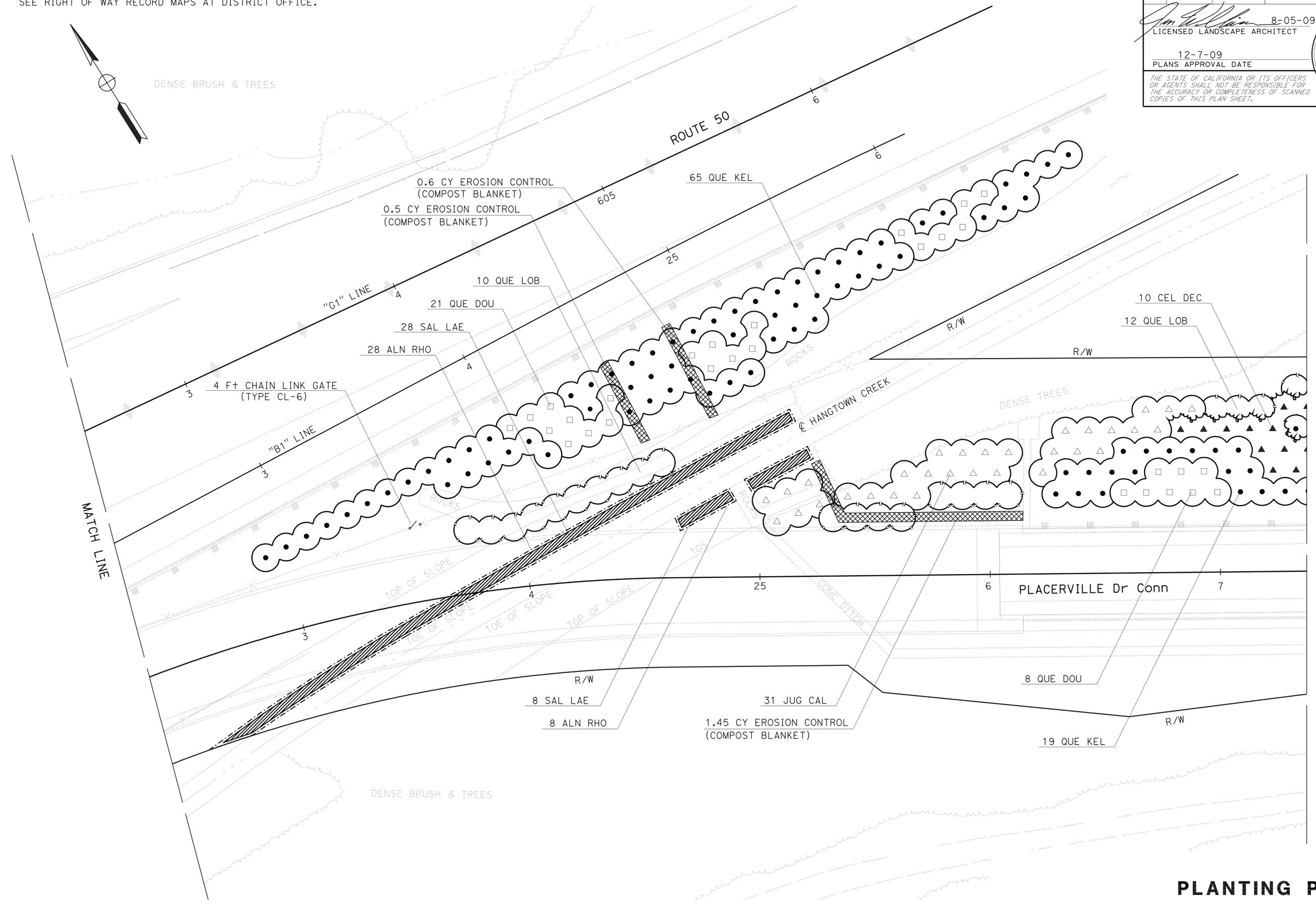
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STATE OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION
LANDSCAPE ARCHITECTURE

REVISOR: J. WILLIAMSON
DATE: 8-05-09

DESIGNER: JD ADAMS
CHECKED BY: JD ADAMS

SENIOR LANDSCAPE ARCHITECT: JD ADAMS



THIS PLAN ACCURATE FOR PLANTING WORK ONLY

PLANTING PLAN

SCALE: 1"=20'

PP-3

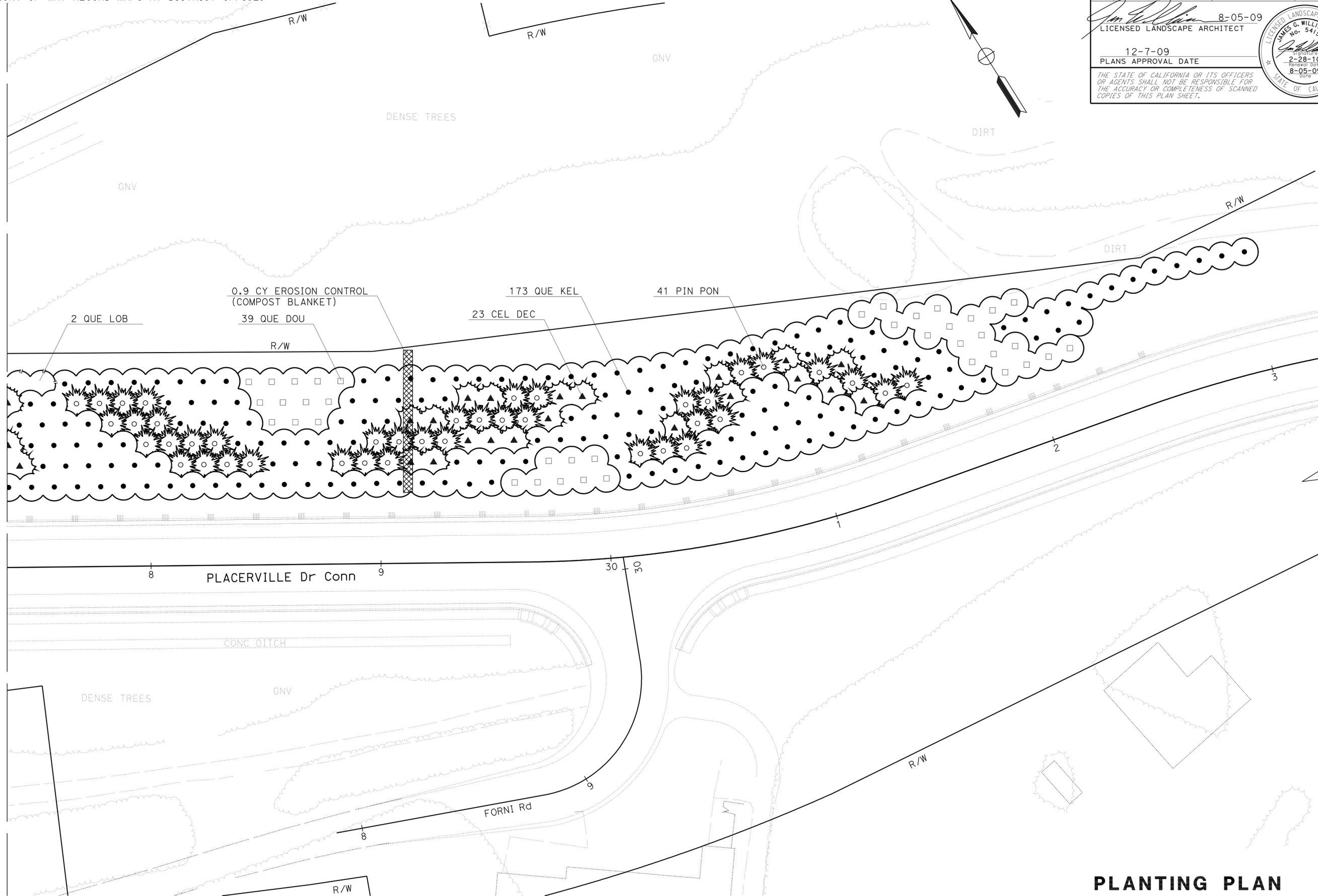
NOTE:
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03	ED	50	16.8/18.2	6	35

8-05-09
LICENSED LANDSCAPE ARCHITECT

12-7-09
PLANS APPROVAL DATE

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MATCH LINE

PLACERVILLE Dr Conn

FORNI Rd

PLANTING PLAN

SCALE: 1"=20'

PP-4

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STATE OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION
Caltrans LANDSCAPE ARCHITECTURE
 SENIOR LANDSCAPE ARCHITECT
 J. WILLIAMSON
 REVISOR BY
 J. WILLIAMSON
 CHECKED BY
 JD ADAMS
 DESIGNED BY
 JD ADAMS
 DATE REVISOR
 DATE REVISOR

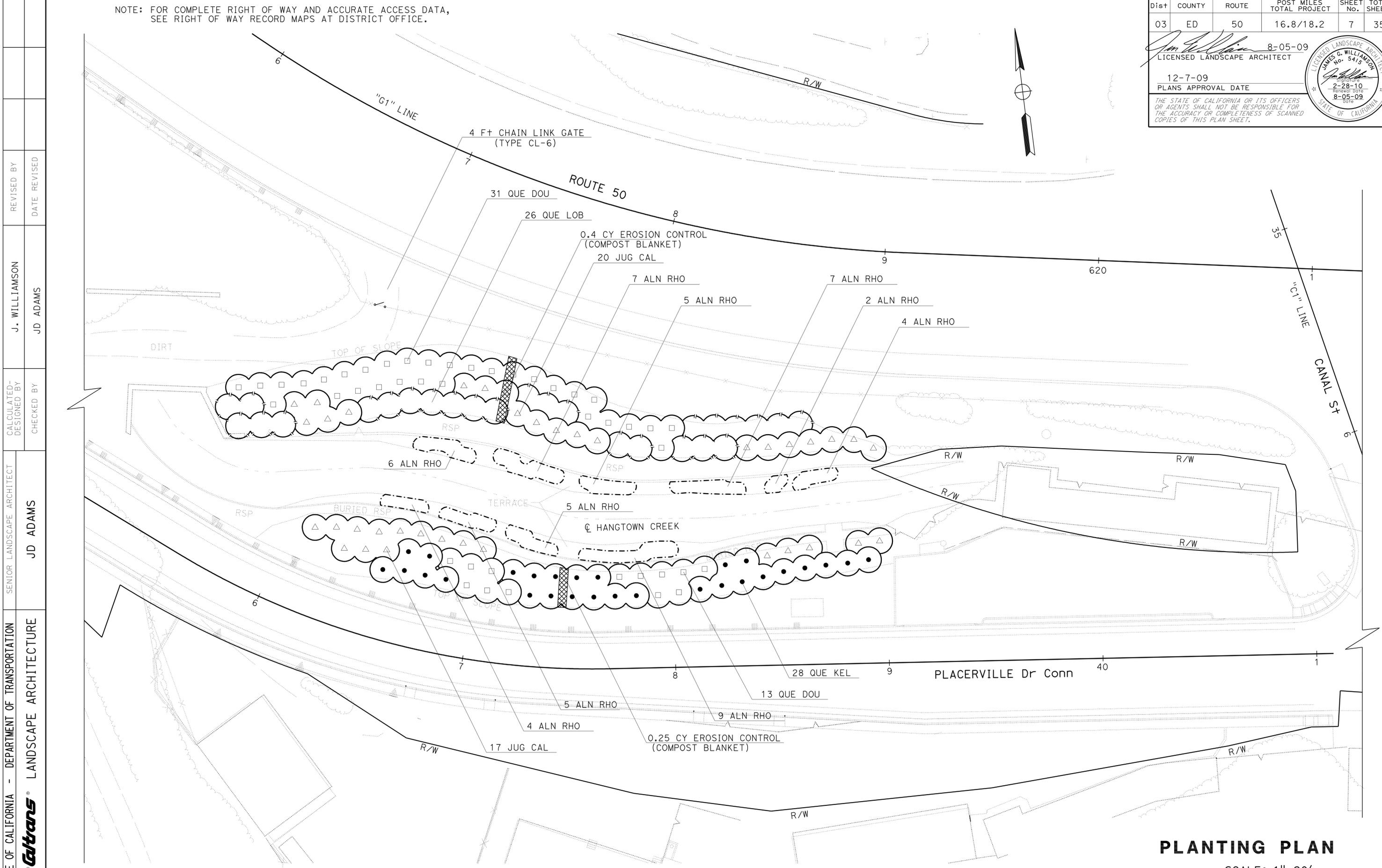
NOTE: FOR COMPLETE RIGHT OF WAY AND ACCURATE ACCESS DATA,
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Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
03	ED	50	16.8/18.2	7	35

8-05-09
LICENSED LANDSCAPE ARCHITECT

12-7-09
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STATE OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION
LANDSCAPE ARCHITECTURE

SENIOR LANDSCAPE ARCHITECT
JD ADAMS

CALCULATED-DESIGNED BY
CHECKED BY
JD ADAMS

REVISED BY
DATE REVISED
J. WILLIAMSON
JD ADAMS

THIS PLAN ACCURATE FOR PLANTING WORK ONLY.

PLANTING PLAN
SCALE: 1"=20'
PP-5

NOTE: FOR COMPLETE RIGHT OF WAY AND ACCURATE ACCESS DATA,
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Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
03	ED	50	16.8/18.2	8	35

8-05-09
 LICENSED LANDSCAPE ARCHITECT

12-7-09
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STATE OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION
Caltrans LANDSCAPE ARCHITECTURE

SENIOR LANDSCAPE ARCHITECT
 JD ADAMS

DESIGNED BY
 JD ADAMS

CHECKED BY
 JD ADAMS

REVISOR
 J. WILLIAMSON

DATE REVISOR
 JD ADAMS



THIS PLAN ACCURATE FOR PLANTING WORK ONLY.

PLANTING PLAN
 SCALE: 1"=20'
PP-6

NOTE: FOR COMPLETE RIGHT OF WAY AND ACCURATE ACCESS DATA,
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Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
03	ED	50	16.8/18.2	9	35

8-05-09
LICENSED LANDSCAPE ARCHITECT

12-7-09
PLANS APPROVAL DATE

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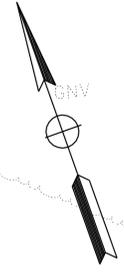
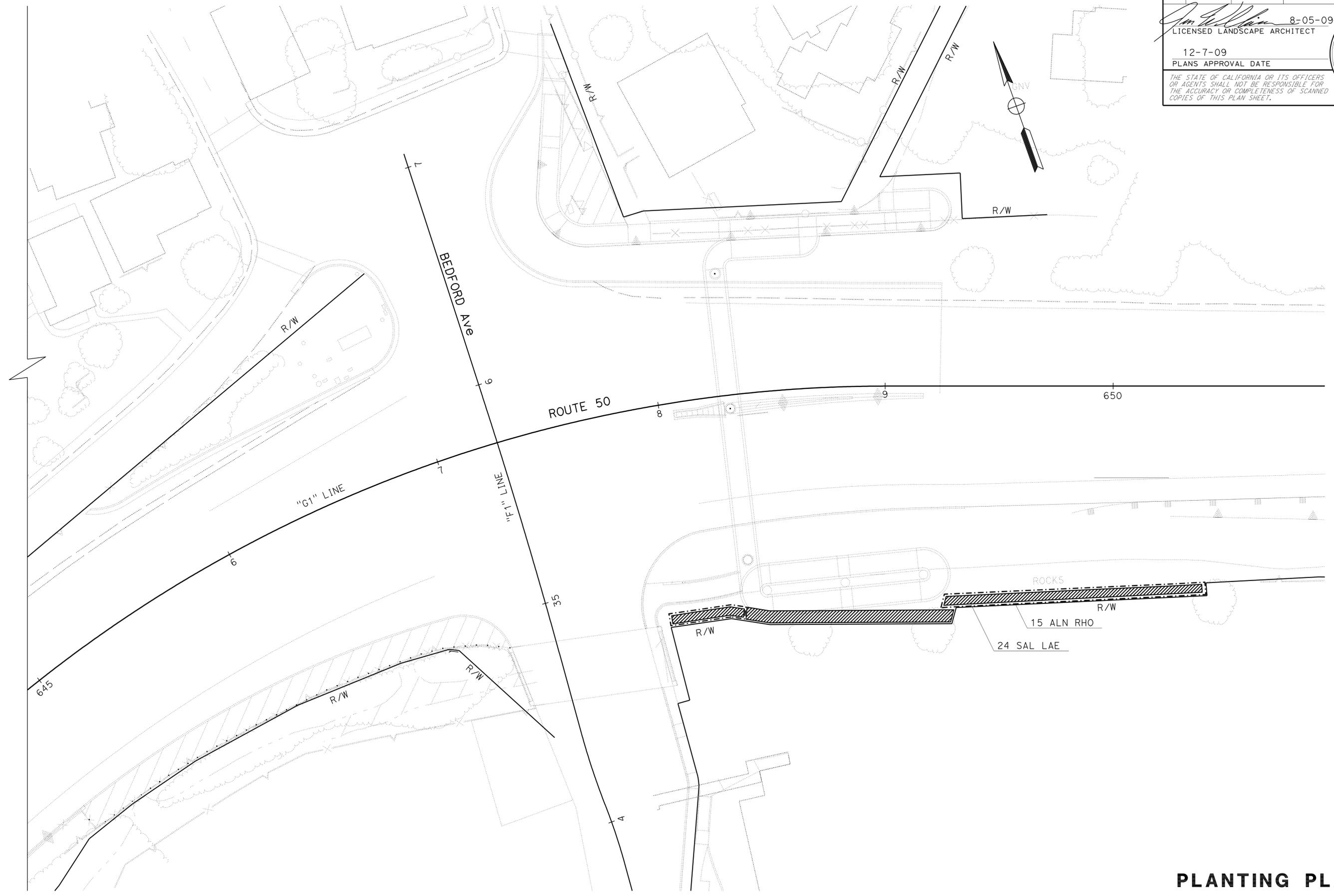
STATE OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION
LANDSCAPE ARCHITECTURE

SENIOR LANDSCAPE ARCHITECT
JD ADAMS

CALCULATED-
DESIGNED BY
CHECKED BY

J. WILLIAMSON
JD ADAMS

REVISED BY
DATE REVISED



THIS PLAN ACCURATE FOR PLANTING WORK ONLY.

PLANTING PLAN

SCALE: 1"=20'

PP-7



NOTE: FOR COMPLETE RIGHT OF WAY AND ACCURATE ACCESS DATA, SEE RIGHT OF WAY RECORD MAPS AT DISTRICT OFFICE.

NOTE:

1. UNLABELED PLASTIC PIPE (PR 200) (SUPPLY LINE) DOWNSTREAM OF THE VALVE OR CAM COUPLER SHALL BE 3/4" UNLESS OTHERWISE NOTED.
2. UNLABELED PLASTIC PIPE (IRRIGATION LINE) DOWNSTREAM OF THE VALVE SHALL BE 1/2" UNLESS OTHERWISE NOTED.
3. SPRINKLERS (TYPE C), WHEN LOCATED ON SLOPES, SHALL BE INSTALLED ON THE UPHILL SIDE OF THE BASIN

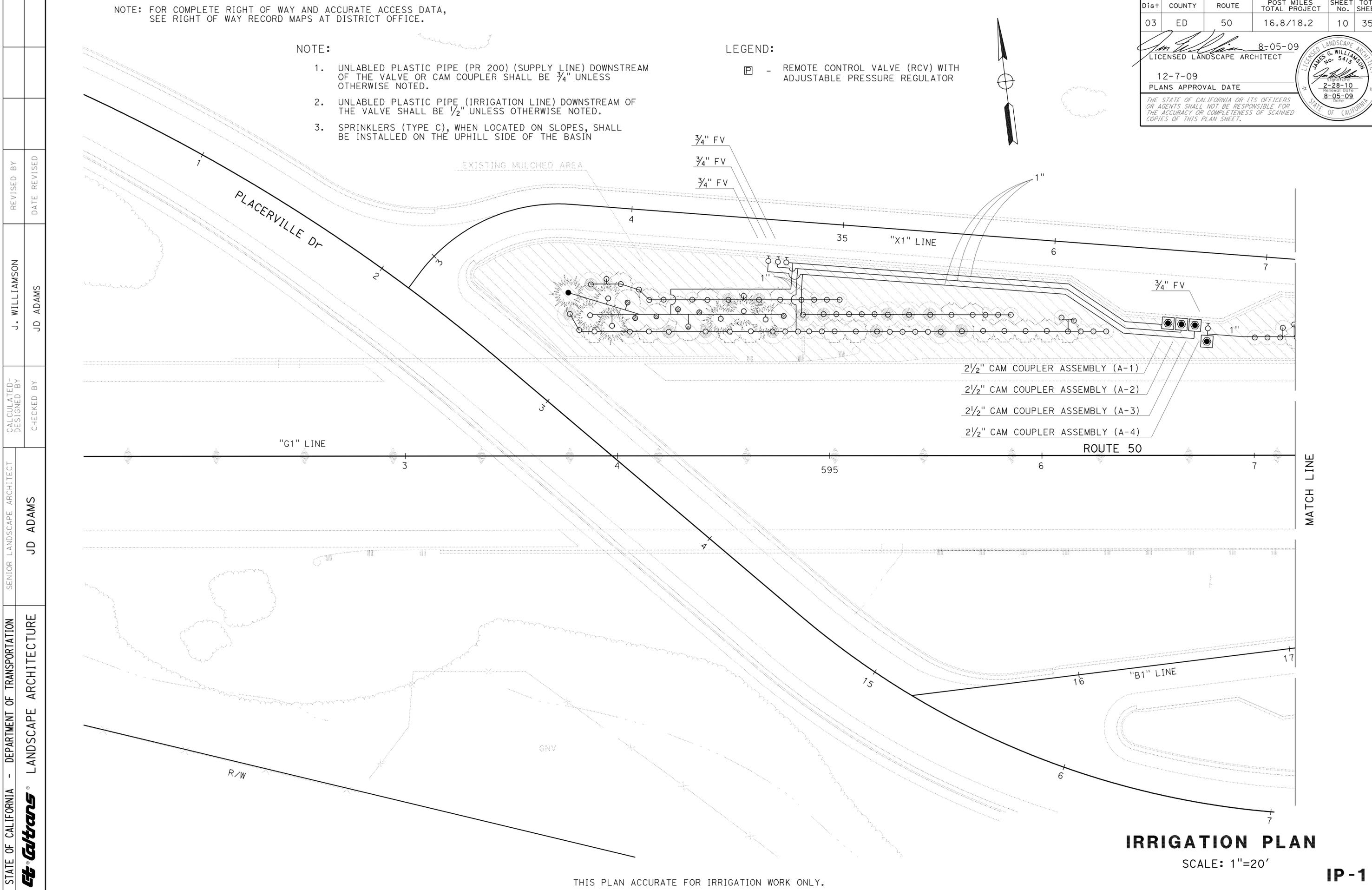
LEGEND:

- ☐ - REMOTE CONTROL VALVE (RCV) WITH ADJUSTABLE PRESSURE REGULATOR

Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
03	ED	50	16.8/18.2	10	35

8-05-09
 LICENSED LANDSCAPE ARCHITECT
 12-7-09
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STATE OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION
 LANDSCAPE ARCHITECTURE

J. WILLIAMSON
 JD ADAMS

SENIOR LANDSCAPE ARCHITECT
 JD ADAMS

REVISOR BY
 DATE REVISOR

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THIS PLAN ACCURATE FOR IRRIGATION WORK ONLY.



USERNAME => trmikesl
 DGN FILE => 3355531001.dgn

CU 03340

EA 355531

BORDER LAST REVISED 4/11/2008

LAST REVISION DATE PLOTTED => 09-DEC-2009
 00-00-00 TIME PLOTTED => 07:00

IP-1

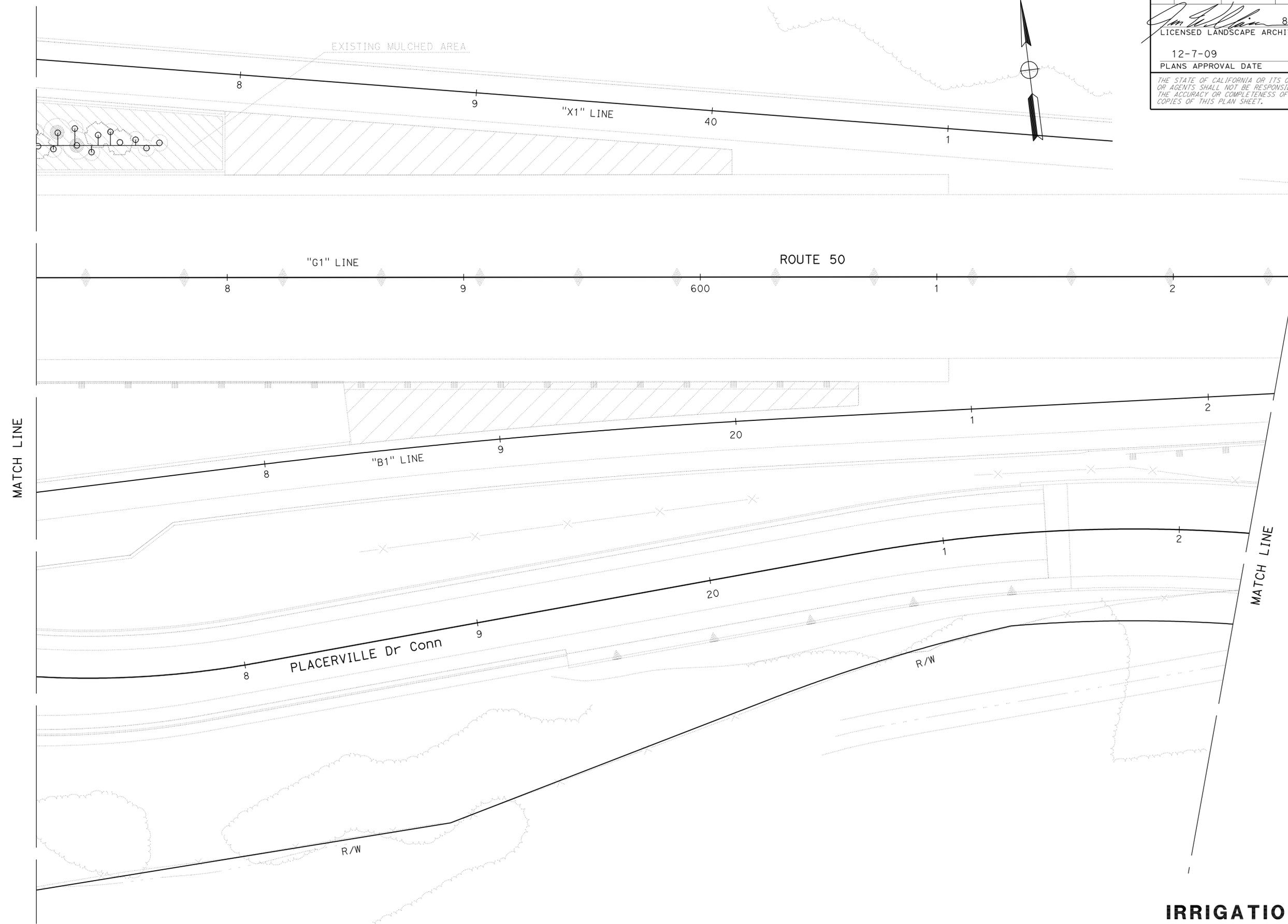
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Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
03	ED	50	16.8/18.2	11	35

8-05-09
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REVISED BY	DATE REVISED
J. WILLIAMSON	JD ADAMS
CALCULATED-DESIGNED BY	CHECKED BY
J. WILLIAMSON	JD ADAMS
SENIOR LANDSCAPE ARCHITECT	JD ADAMS
STATE OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION	LANDSCAPE ARCHITECTURE



THIS PLAN ACCURATE FOR IRRIGATION WORK ONLY.

IRRIGATION PLAN
 SCALE: 1"=20'
IP-2

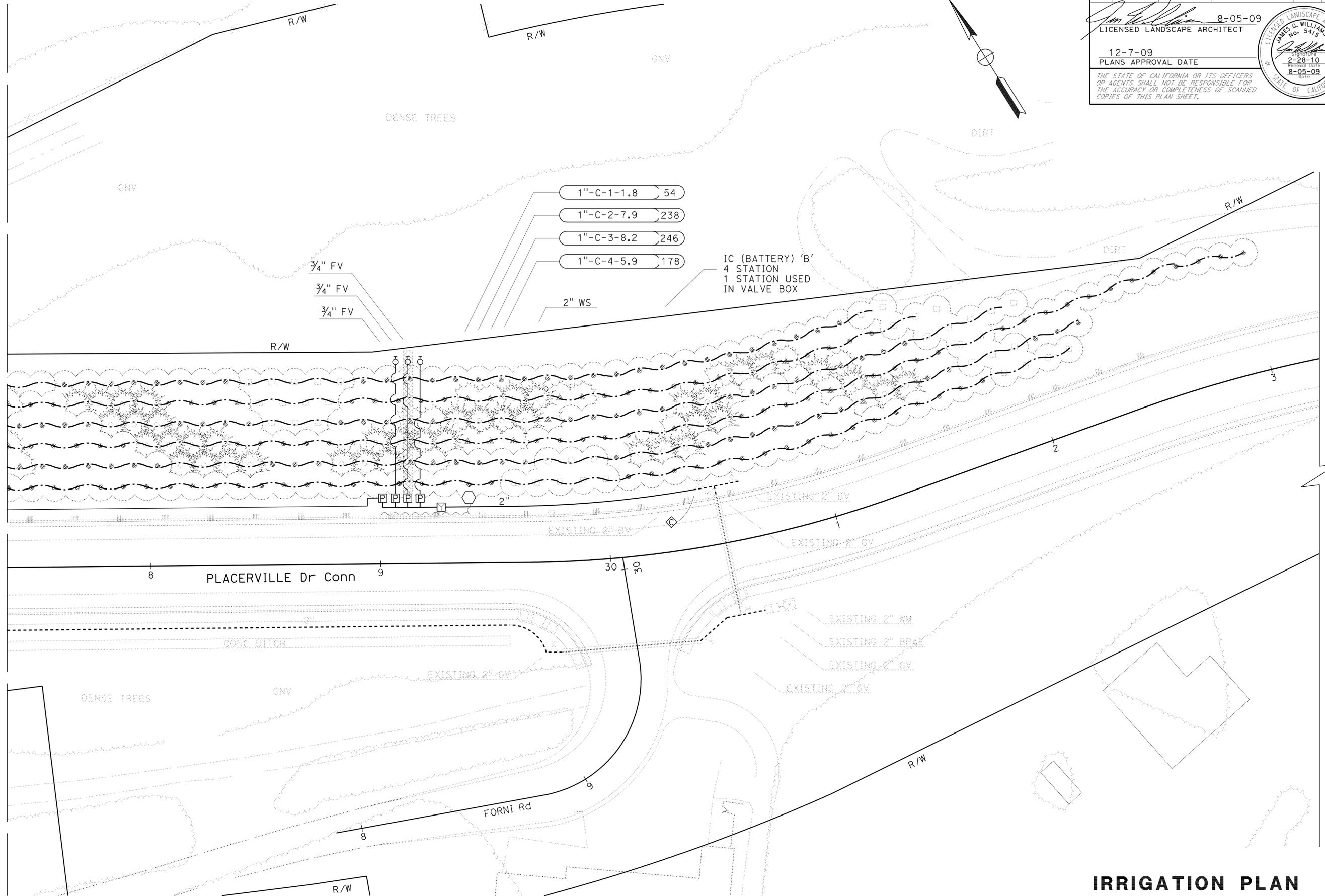
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Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
03	ED	50	16.8/18.2	13	35

8-05-09
 LICENSED LANDSCAPE ARCHITECT

12-7-09
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MATCH LINE

STATE OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION	LANDSCAPE ARCHITECTURE	SENIOR LANDSCAPE ARCHITECT	J.D. ADAMS	CHECKED BY	J.D. ADAMS	DESIGNED BY	J.D. ADAMS	REVISOR	J.D. ADAMS	DATE	
JD ADAMS	J.D. ADAMS	J.D. ADAMS	J.D. ADAMS	J.D. ADAMS	J.D. ADAMS	J.D. ADAMS	J.D. ADAMS	J.D. ADAMS	J.D. ADAMS		

THIS PLAN ACCURATE FOR IRRIGATION WORK ONLY.

IRRIGATION PLAN
 SCALE: 1"=20'
IP-4

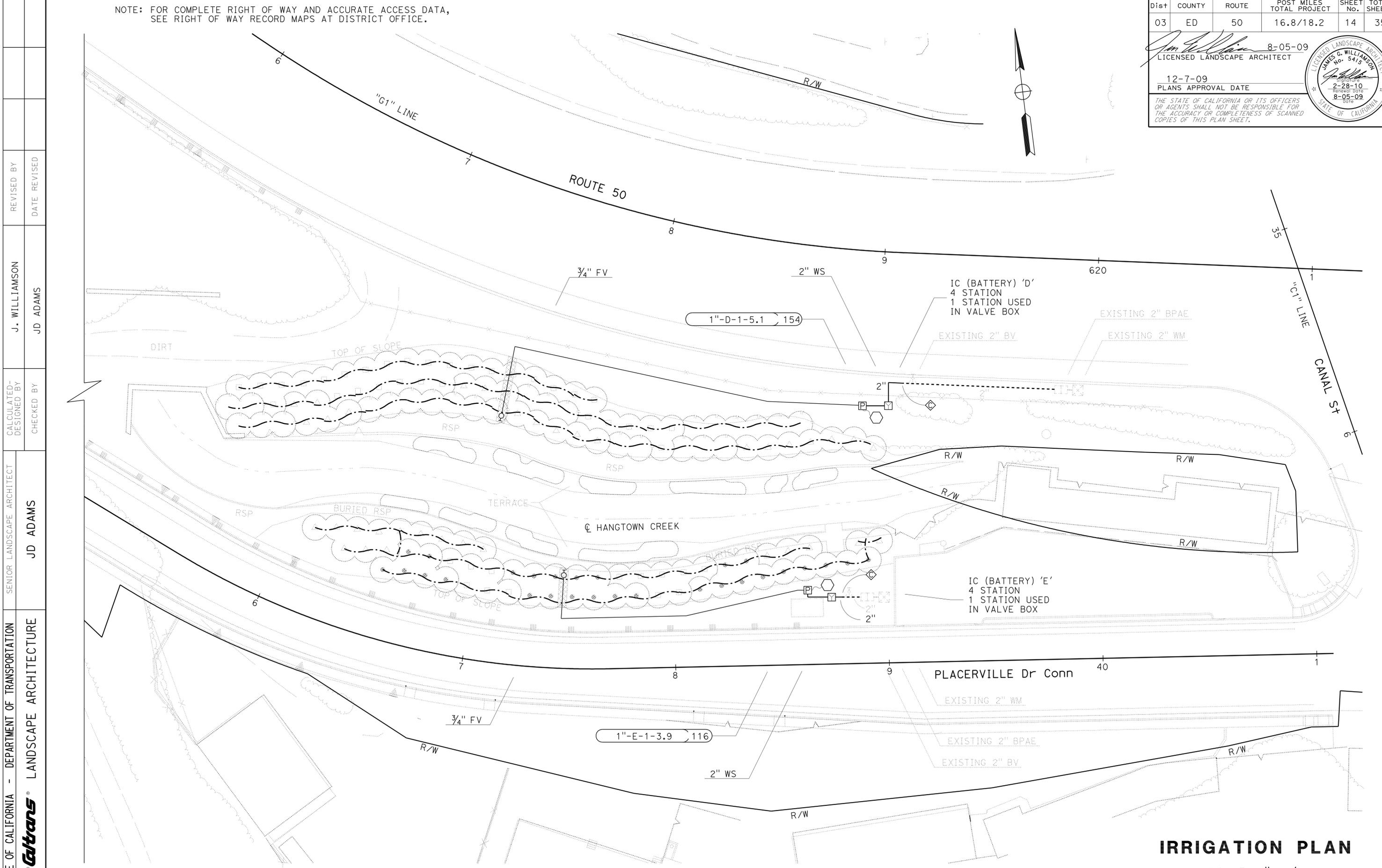
NOTE: FOR COMPLETE RIGHT OF WAY AND ACCURATE ACCESS DATA,
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DIST	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
03	ED	50	16.8/18.2	14	35

8-05-09
LICENSED LANDSCAPE ARCHITECT

12-7-09
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STATE OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION
Caltrans LANDSCAPE ARCHITECTURE

SENIOR LANDSCAPE ARCHITECT: JD ADAMS
 CALCULATED-DESIGNED BY: JD ADAMS
 CHECKED BY: JD ADAMS
 REVISOR: J. WILLIAMSON
 DATE REVISOR: JD ADAMS

IRRIGATION PLAN
 SCALE: 1"=20'
IP-5

THIS PLAN ACCURATE FOR IRRIGATION WORK ONLY.

SPRINKLER SCHEDULE

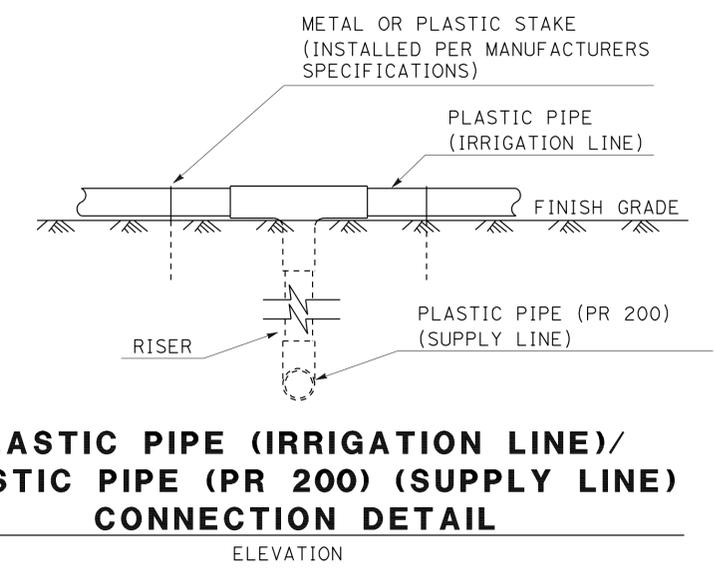
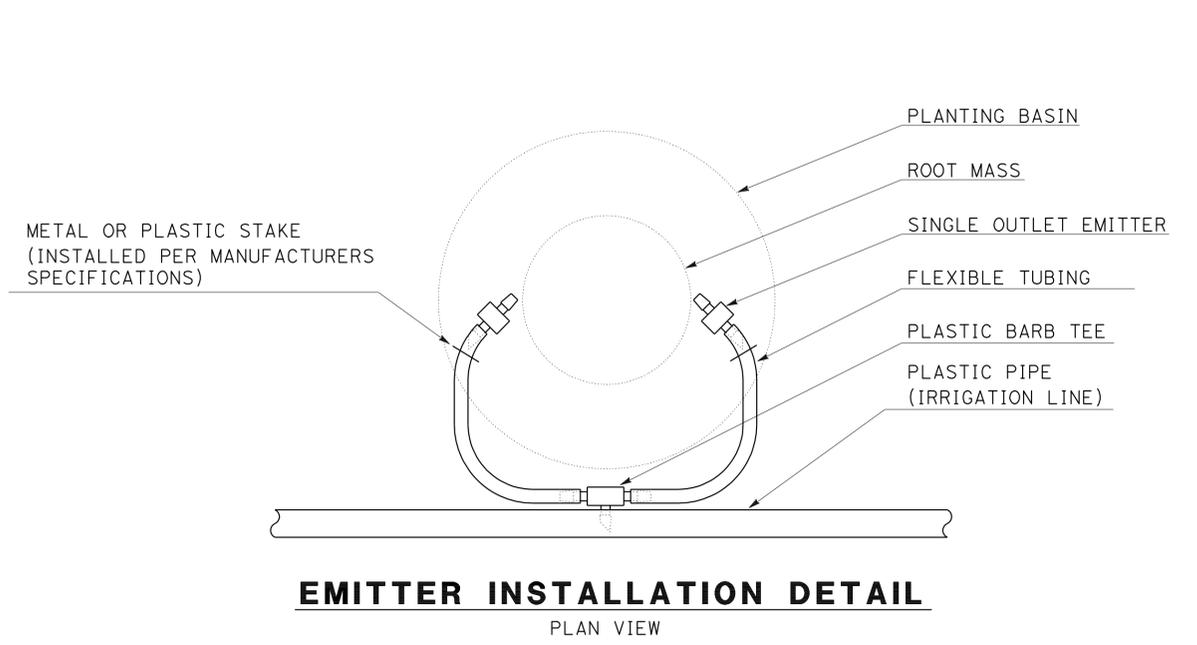
SYMBOL	TYPE	DESCRIPTION	SPRAY PATTERN	OPERATING PRESSURE (PSI)	PRESSURE COMPENSATING	PLUS/MINUS 5% ②				MATERIAL	INLET CONNECTION (NPT INCH)	POSITIVE-LOCKING ADJ ARC STOP	BACKSPASH PREVENTER	DIFFUSER PIN	DISTANCE CONTROL FLAP	ADJ DISCHARGE	RISER						REMARKS			
						DISCHARGE		RADIUS (Ft)	WIDTH x LENGTH (Ft)								TYPE	MATERIAL		SIZE (IPS INCH)	HEIGHT (INCH)	FLOW SHUTOFF DEVICE		SWING JOINT (TYPE)	RISER SUPPORT	SPRINKLER PROTECTOR (TYPE)
						GALLONS PER MINUTE (GPM)	GALLONS PER HOUR (GPH)											PLASTIC	GALVANIZED							
O	C-2	FLOOD BUBBLER	--	30	X	.25	.50	--	--	PL	1/2	--	--	--	--	V	FH	--	1/2	48	--	--	--	--	BUBBLER-ONE PER PLANT	
	D-1	SINGLE OUTLET EMITTER	--	30	X	--	2.0	--	--	PL	①	--	--	--	--	⑦	①	--	1/4	48	--	--	--	--	EMITTER-TWO PER PLANT	

X IN BOX DENOTES REQUIREMENT
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.
- ⑦ - As shown on plans.

ABBREVIATIONS

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



LANDSCAPE DETAILS

NO SCALE

LD-1

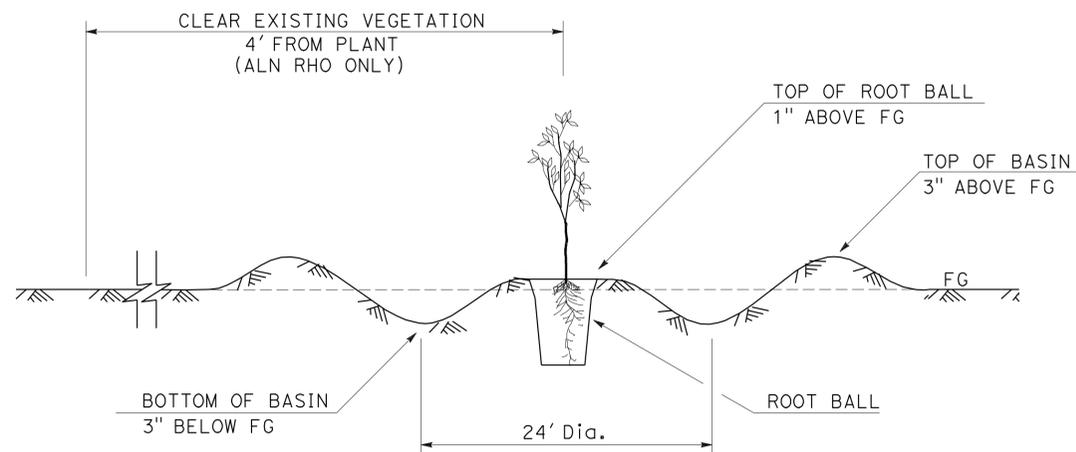
STATE OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION - LANDSCAPE ARCHITECTURE
 J. WILLIAMSON
 JD ADAMS
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 JD ADAMS
 SENIOR LANDSCAPE ARCHITECT
 JD ADAMS
 LANDSCAPE ARCHITECT

Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
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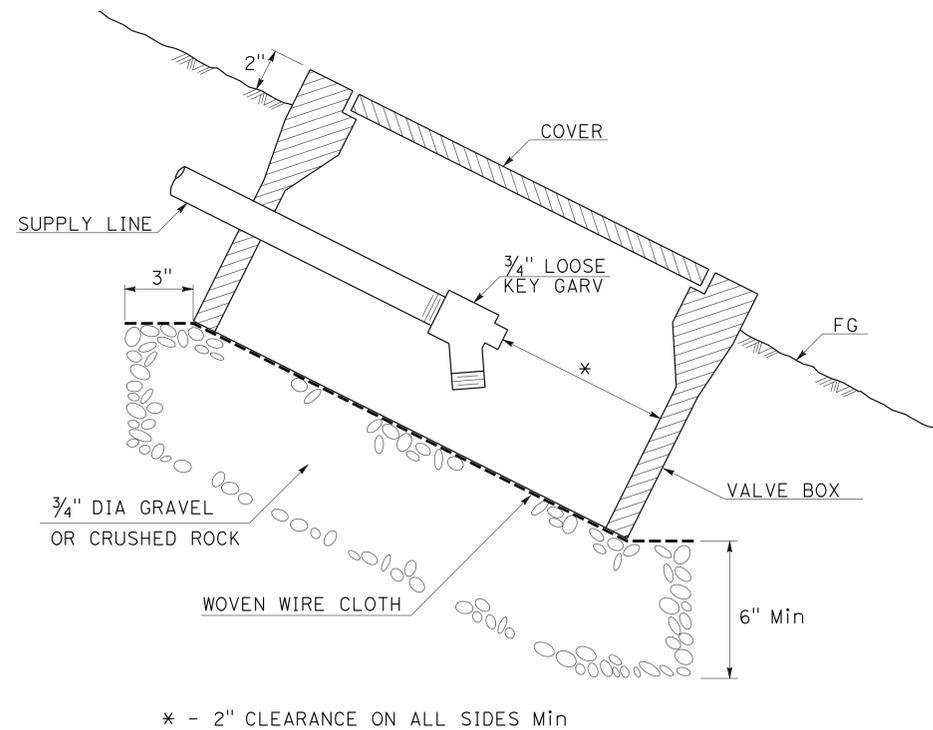
8-05-09
 LICENSED LANDSCAPE ARCHITECT

12-7-09
 PLANS APPROVAL DATE

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**ALN RHO & SAL LAE
 BASIN DETAIL**
 SECTION
 (Flat Area)



FLUSH VALVE
 SECTION

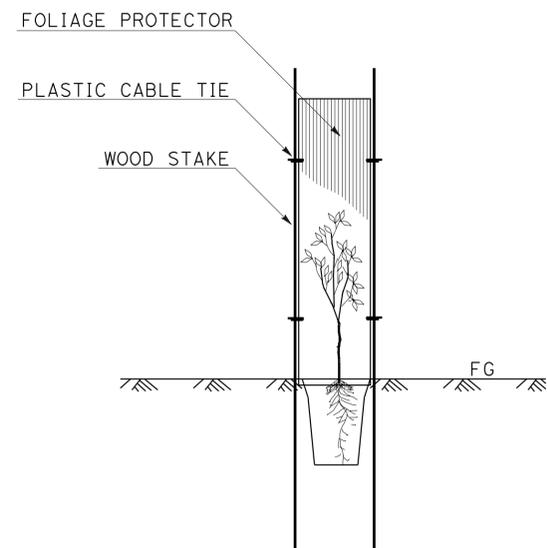
**4 Ft CHAIN LINK GATE
 (TYPE CL-6)**

PLAN SHEET No.	LOCATION	CHAIN LINK GATE
		EA
PP-3	R+ "B-1" 23+47	1
PP-5	R+ "G-1" 616+88	1
TOTAL		2

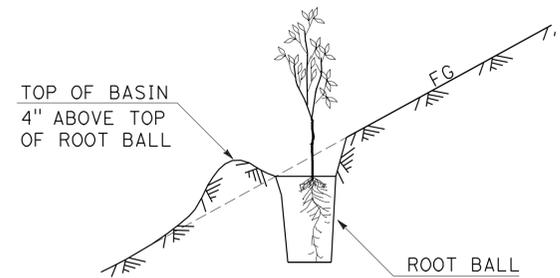
**EROSION CONTROL (COMPOST BLANKET)
 QUANTITIES**

PLAN SHEET No.	EROSION CONTROL (COMPOST BLANKET)	COMPOST (N)	SEED (N)
	CY	CY	LB
PP-3	2.55	2.55	1.80
PP-4	0.90	0.90	0.58
PP-5	0.65	0.65	0.45
TOTAL	4.10	4.10	2.83

(N) - NOT A SEPARATE ITEM, FOR INFORMATION ONLY



FOLIAGE PROTECTOR
 SECTION



**ALN RHO & SAL LAE
 BASIN DETAIL**
 SECTION
 (Slope Area)

LANDSCAPE DETAILS
 NO SCALE

LD-2

STATE OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION - LANDSCAPE ARCHITECTURE

Ettrans

J. WILLIAMSON
 JD ADAMS

JD ADAMS

NOTES:

1. FOR COMPLETE RIGHT OF WAY AND ACCURATE ACCESS DATA, SEE RIGHT OF WAY RECORD MAPS AT DISTRICT OFFICE.
2. THIS PLAN ACCURATE FOR UTILITY WORK ONLY.

LEGEND:

UTILITIES

WATER	— W ———— W ————
ELECTRIC	— e ———— e ————
GAS	— g ———— g ————
TELEPHONE	— t ———— t ————
SANITARY SEWER	— s ———— s ————
TELEVISION	— v ———— v ————
OVERHEAD	— (oh) ———— (oh) ————

SYMBOL

OWNERSHIP

EL DORADO IRRIGATION DISTRICT
PG&E
PG&E
SOUTH BELL CORPORATION
EL DORADO IRRIGATION DISTRICT
COMCAST

Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
03	ED	50	16.8/18.2	19	35

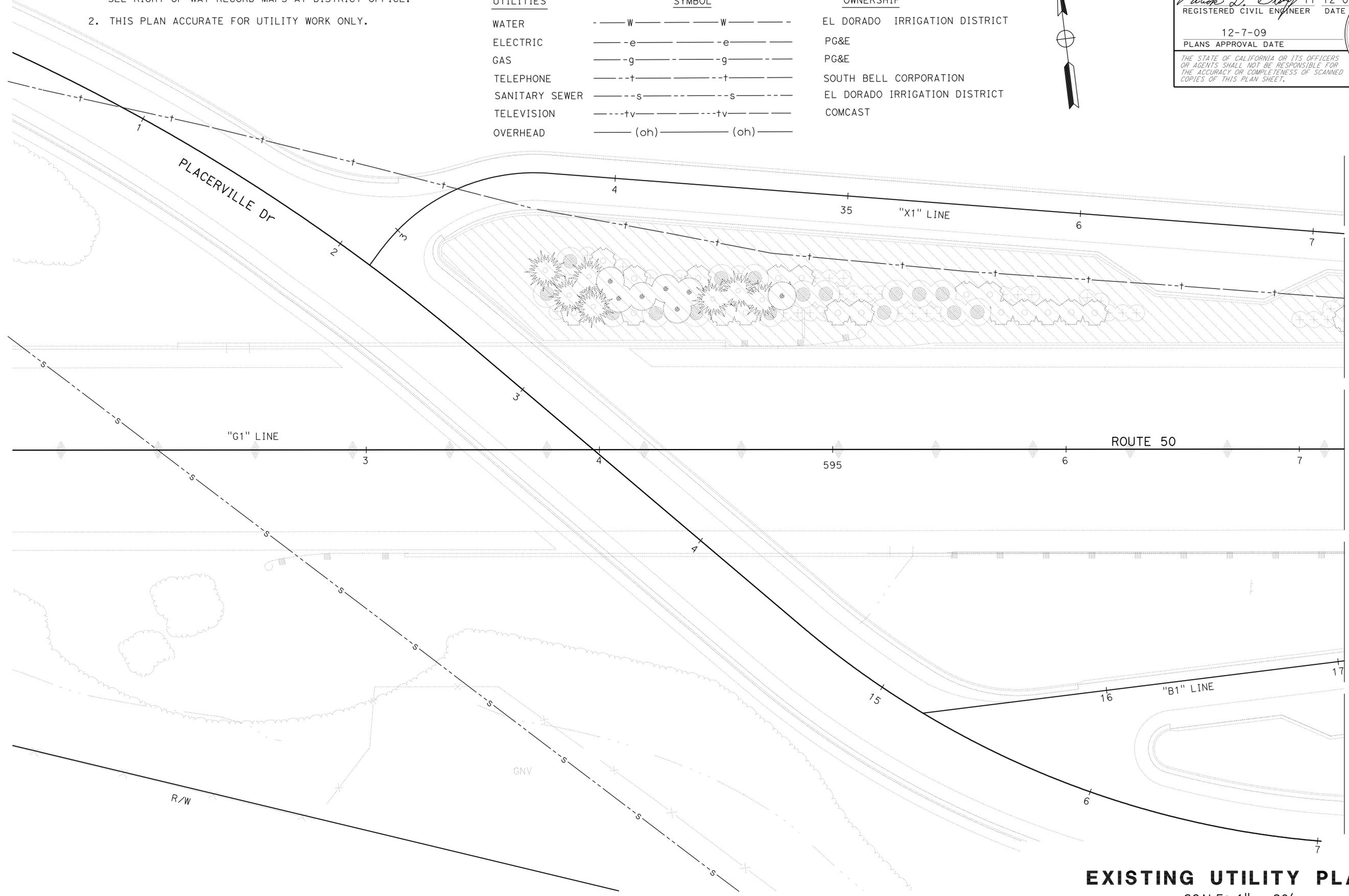
Patrick D. Bishop 11-12-09
 REGISTERED CIVIL ENGINEER DATE
 12-7-09
 PLANS APPROVAL DATE

REGISTERED PROFESSIONAL ENGINEER
 PATRICK BISHOP
 No. C59800
 Exp. 12-31-09
 CIVIL
 STATE OF CALIFORNIA

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
 NORTH REGION
 OFFICE OF MARYSVILLE DESIGN
 UTILITY DESIGN BRANCH
 Et Caltrans®
 FUNCTIONAL SUPERVISOR
 TOM WOOD
 CALCULATED-DESIGNED BY
 CHECKED BY
 SUMAN SUDINI
 PATRICK BISHOP
 REVISED BY
 DATE REVISED



MATCH LINE

EXISTING UTILITY PLAN
SCALE: 1" = 20'

EU-1

STATE OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION
 NORTH REGION
 OFFICE OF MARYSVILLE DESIGN
 UTILITY DESIGN BRANCH

Caltrans

FUNCTIONAL SUPERVISOR
 TOM WOOD

CALCULATED-DESIGNED BY
 CHECKED BY

SUMAN SUDINI
 PATRICK BISHOP

REVISED BY
 DATE REVISED

Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
03	ED	50	16.8/18.2	20	35

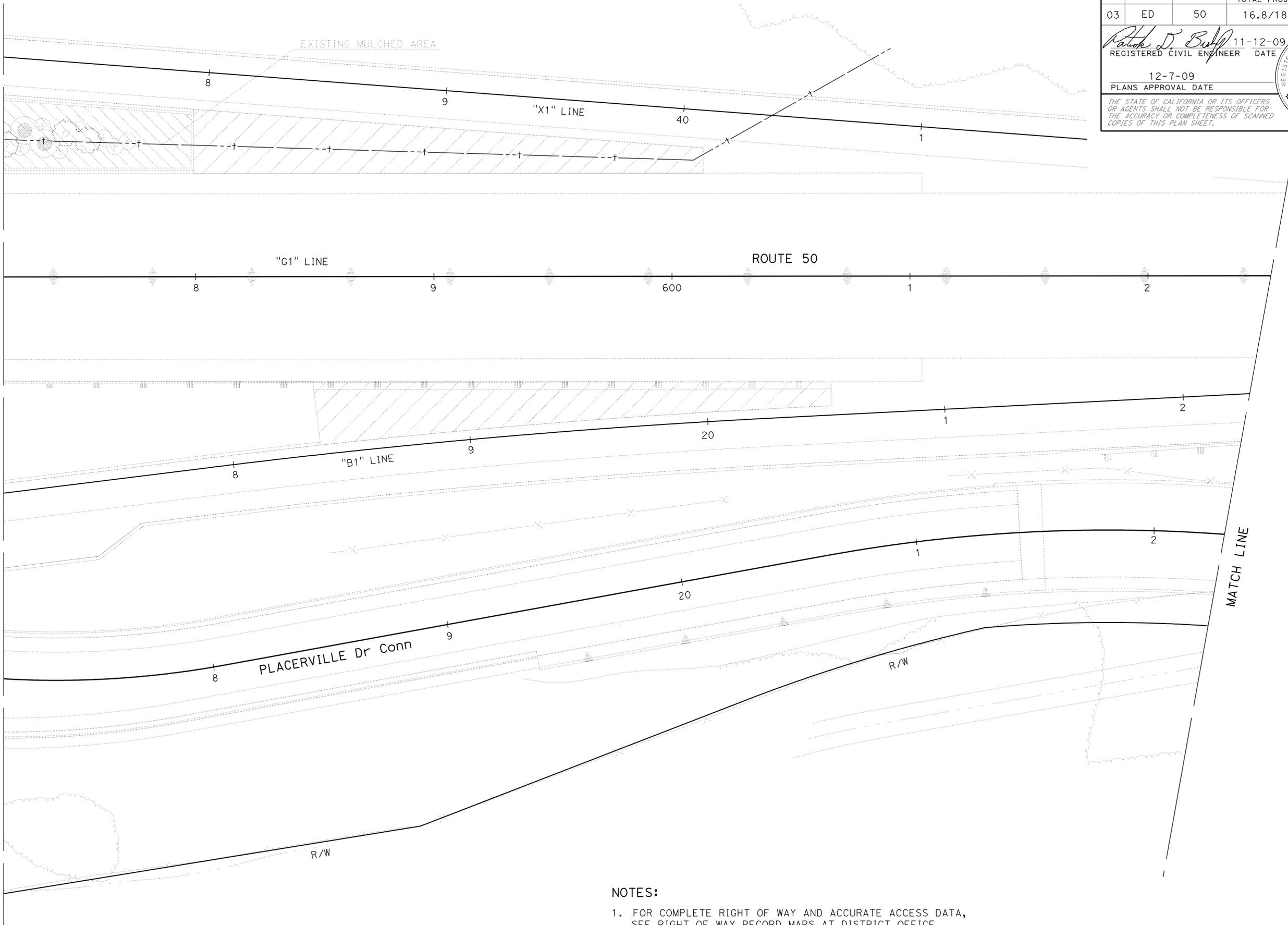
Patrick D. Bishop 11-12-09
 REGISTERED CIVIL ENGINEER DATE
 12-7-09
 PLANS APPROVAL DATE

REGISTERED PROFESSIONAL ENGINEER
 PATRICK BISHOP
 No. C59800
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 STATE OF CALIFORNIA

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MATCH LINE

MATCH LINE



NOTES:

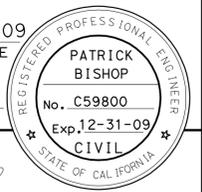
- FOR COMPLETE RIGHT OF WAY AND ACCURATE ACCESS DATA, SEE RIGHT OF WAY RECORD MAPS AT DISTRICT OFFICE.
- THIS PLAN ACCURATE FOR UTILITY WORK ONLY.

EXISTING UTILITY PLAN

SCALE: 1" = 20'

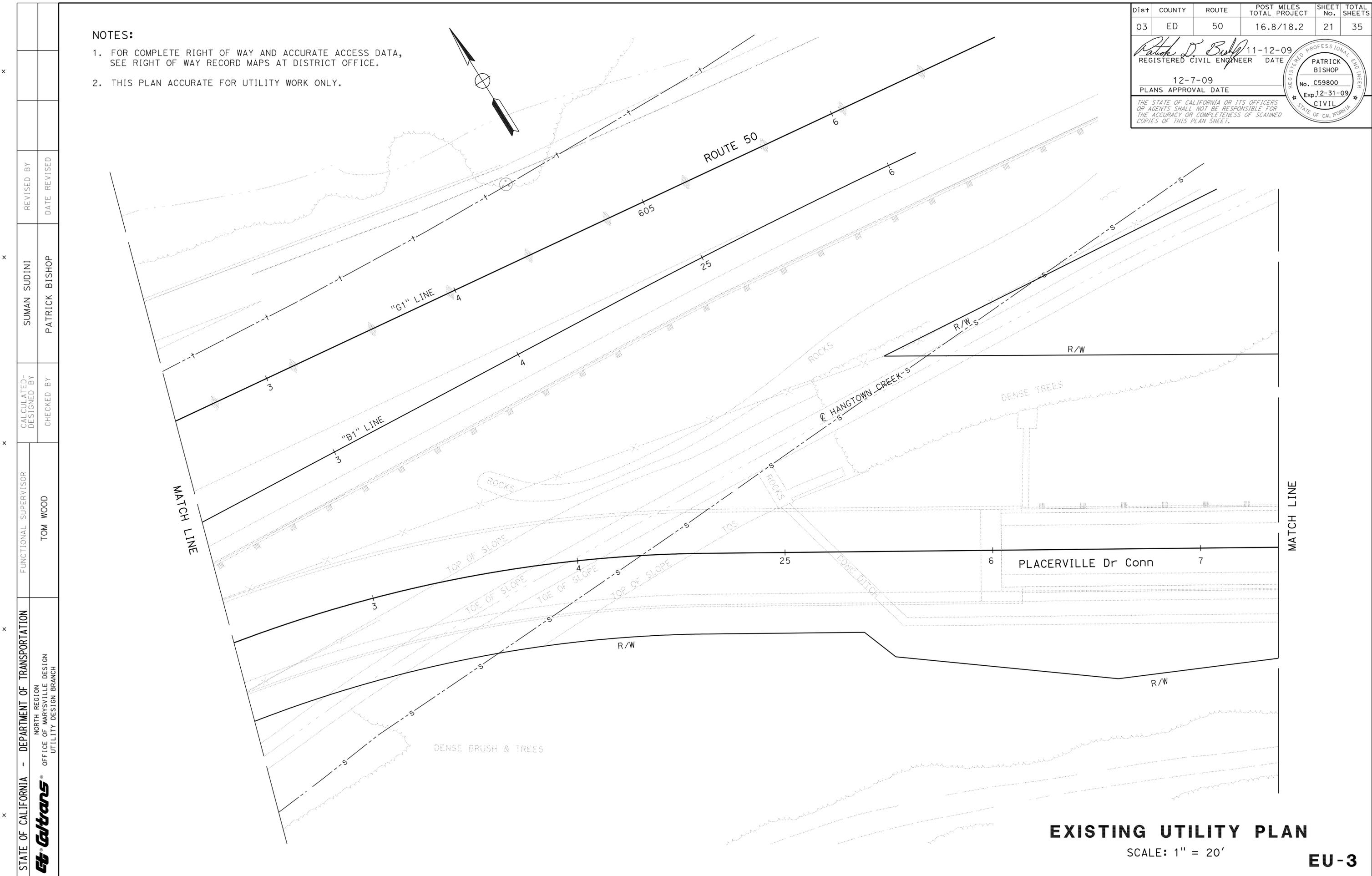
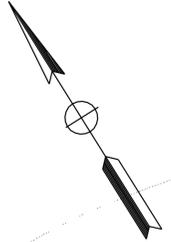
EU-2

Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
03	ED	50	16.8/18.2	21	35
			11-12-09	DATE	
REGISTERED CIVIL ENGINEER			PATRICK BISHOP		
12-7-09			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>					



NOTES:

- FOR COMPLETE RIGHT OF WAY AND ACCURATE ACCESS DATA, SEE RIGHT OF WAY RECORD MAPS AT DISTRICT OFFICE.
- THIS PLAN ACCURATE FOR UTILITY WORK ONLY.



EXISTING UTILITY PLAN

SCALE: 1" = 20'

EU-3

STATE OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION	FUNCTIONAL SUPERVISOR	REVISOR	DATE
NORTH REGION OFFICE OF MARYSVILLE DESIGN UTILITY DESIGN BRANCH	TOM WOOD	SUMAN SUDINI	
		PATRICK BISHOP	

STATE OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION
 NORTH REGION
 OFFICE OF MARYSVILLE DESIGN
 UTILITY DESIGN BRANCH



FUNCTIONAL SUPERVISOR
 TOM WOOD

CALCULATED-DESIGNED BY
 CHECKED BY

SUMAN SUDINI
 PATRICK BISHOP

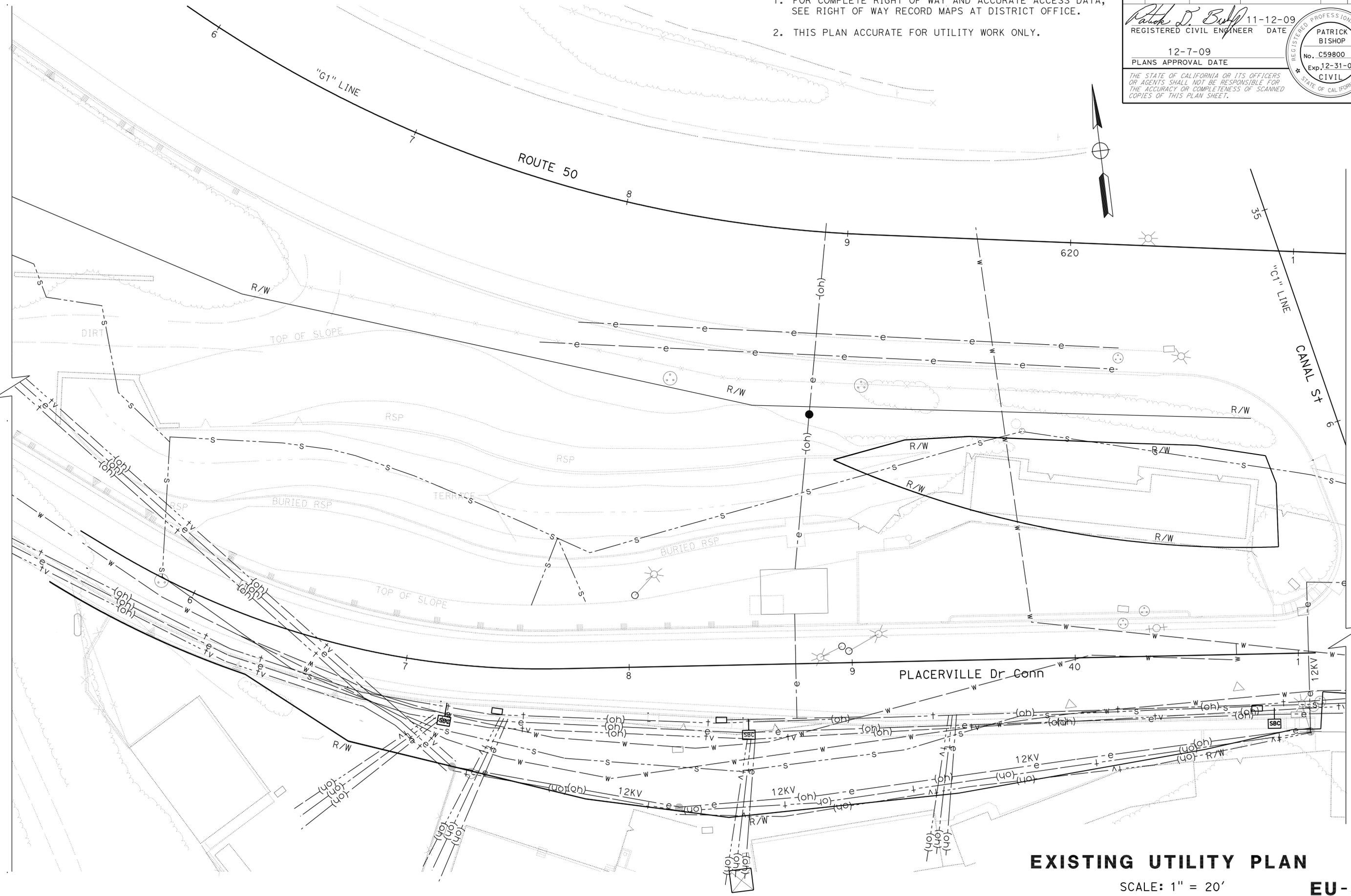
REVISED BY
 DATE REVISED

NOTES:

1. FOR COMPLETE RIGHT OF WAY AND ACCURATE ACCESS DATA, SEE RIGHT OF WAY RECORD MAPS AT DISTRICT OFFICE.
2. THIS PLAN ACCURATE FOR UTILITY WORK ONLY.

DIST	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
03	ED	50	16.8/18.2	23	35

Patrick D. Bishop 11-12-09
 REGISTERED CIVIL ENGINEER DATE
 12-7-09
 PLANS APPROVAL DATE
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EXISTING UTILITY PLAN
 SCALE: 1" = 20'
EU-5

STATE OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION
 NORTH REGION
 OFFICE OF MARYSVILLE DESIGN
 UTILITY DESIGN BRANCH

Caltrans

FUNCTIONAL SUPERVISOR
 TOM WOOD

CALCULATED-DESIGNED BY
 CHECKED BY

REVISOR BY
 DATE REVISED

SUMAN SUDINI
 PATRICK BISHOP

NOTES:

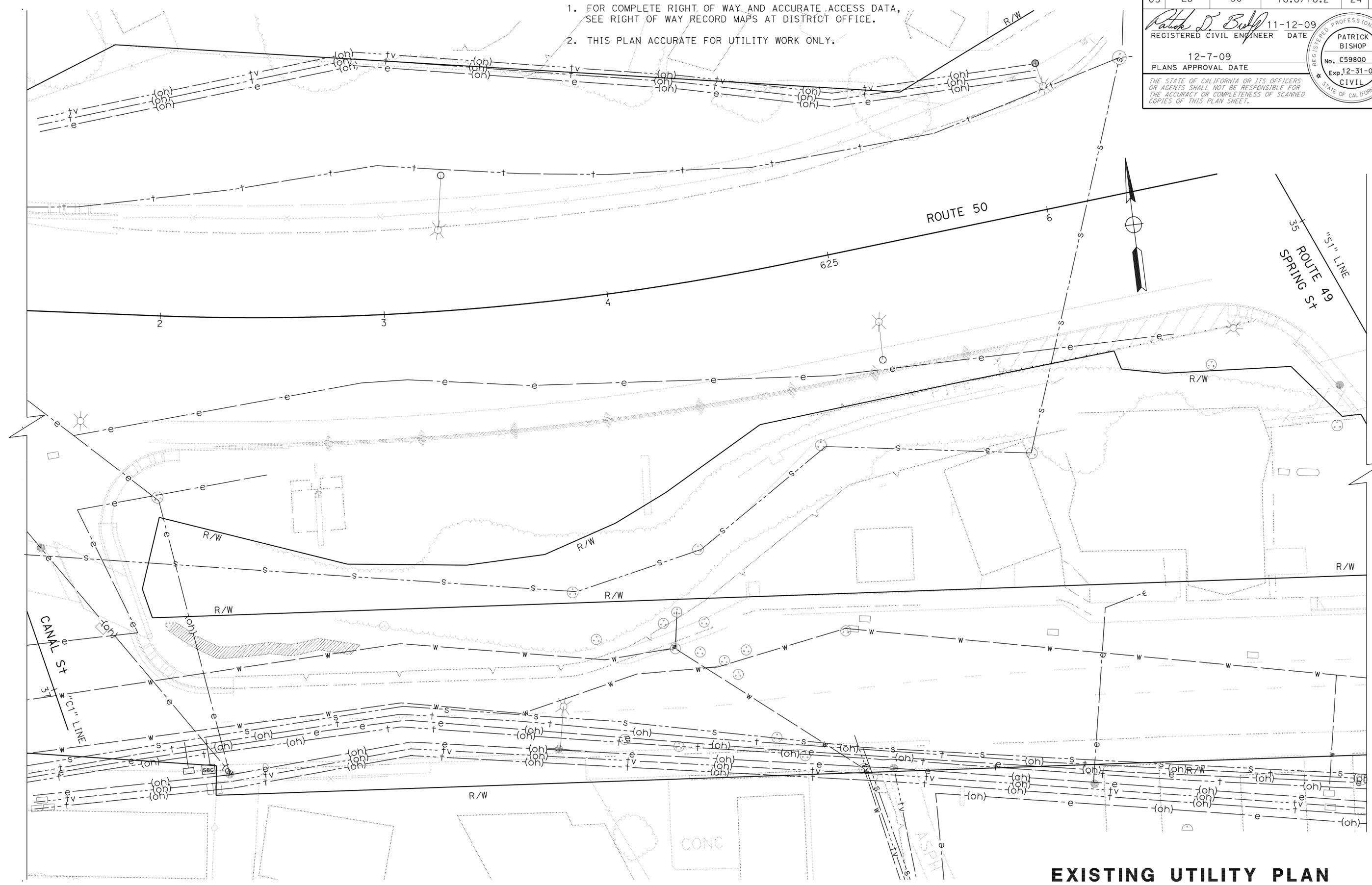
1. FOR COMPLETE RIGHT OF WAY AND ACCURATE ACCESS DATA, SEE RIGHT OF WAY RECORD MAPS AT DISTRICT OFFICE.
2. THIS PLAN ACCURATE FOR UTILITY WORK ONLY.

DIST	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET NO.	TOTAL SHEETS
03	ED	50	16.8/18.2	24	35

Patrick D. Bishop 11-12-09
 REGISTERED CIVIL ENGINEER DATE
 12-7-09
 PLANS APPROVAL DATE

REGISTERED PROFESSIONAL ENGINEER
 PATRICK BISHOP
 No. C59800
 Exp. 12-31-09
 CIVIL
 STATE OF CALIFORNIA

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EXISTING UTILITY PLAN
 SCALE: 1" = 20'
EU-6

STATE OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION
 NORTH REGION
 OFFICE OF MARYSVILLE DESIGN
 UTILITY DESIGN BRANCH

Caltrans

FUNCTIONAL SUPERVISOR
 TOM WOOD

CALCULATED-DESIGNED BY
 CHECKED BY

SUMAN SUDINI
 PATRICK BISHOP

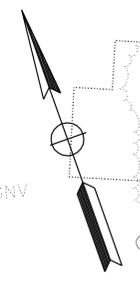
REVISED BY
 DATE REVISED

Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET NO.	TOTAL SHEETS
03	ED	50	16.8/18.2	25	35

Patrick D. Bishop 11-12-09
 REGISTERED CIVIL ENGINEER DATE
 12-7-09
 PLANS APPROVAL DATE

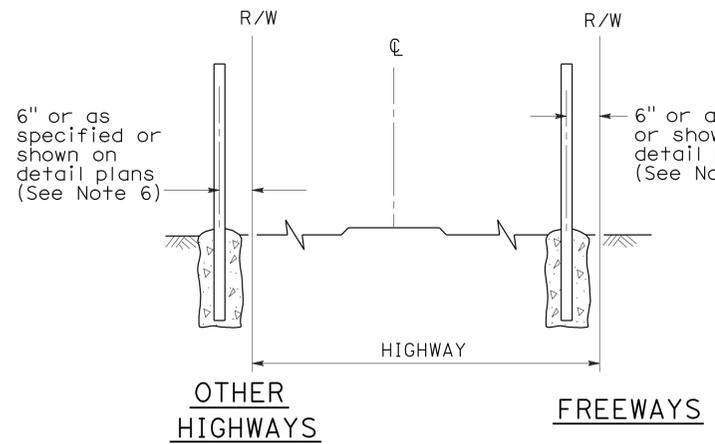
REGISTERED PROFESSIONAL ENGINEER
 PATRICK BISHOP
 No. C59800
 Exp. 12-31-09
 CIVIL
 STATE OF CALIFORNIA

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.

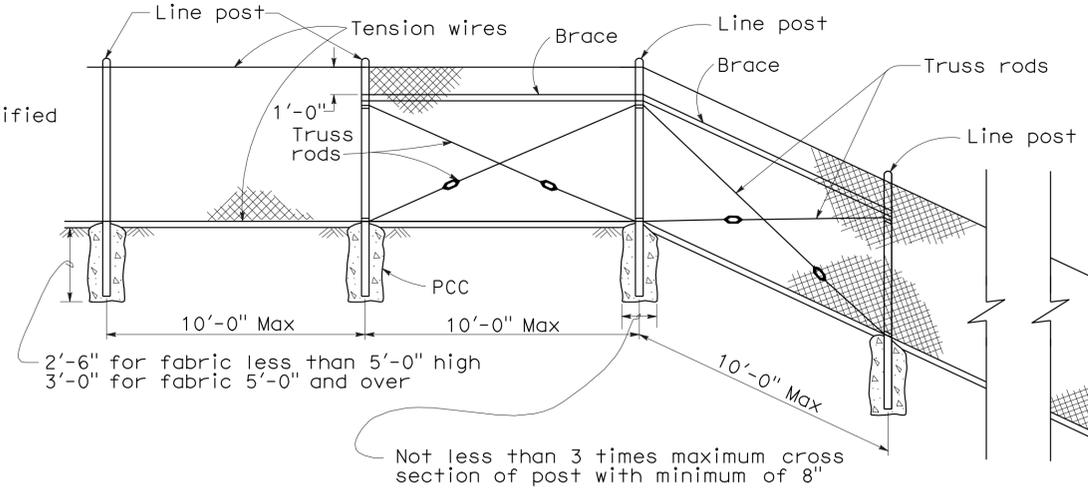


- NOTES:**
1. FOR COMPLETE RIGHT OF WAY AND ACCURATE ACCESS DATA, SEE RIGHT OF WAY RECORD MAPS AT DISTRICT OFFICE.
 2. THIS PLAN ACCURATE FOR UTILITY WORK ONLY.

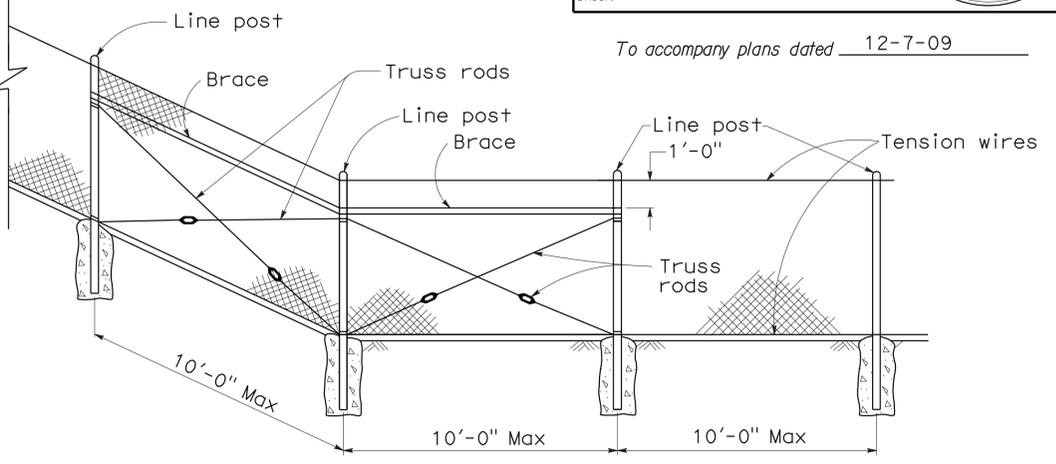
EXISTING UTILITY PLAN
 SCALE: 1" = 20'
EU-7



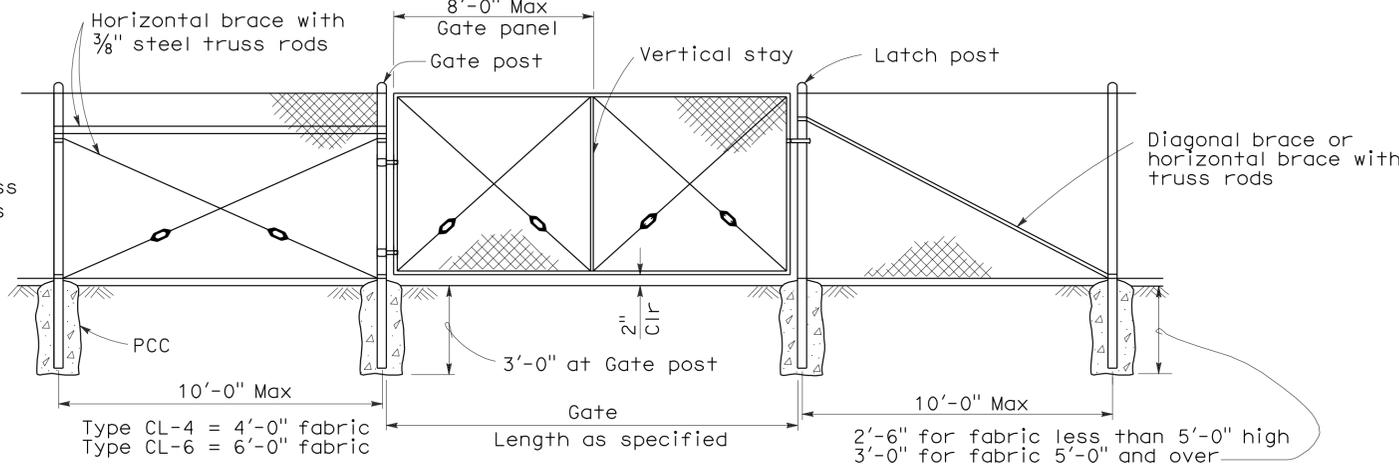
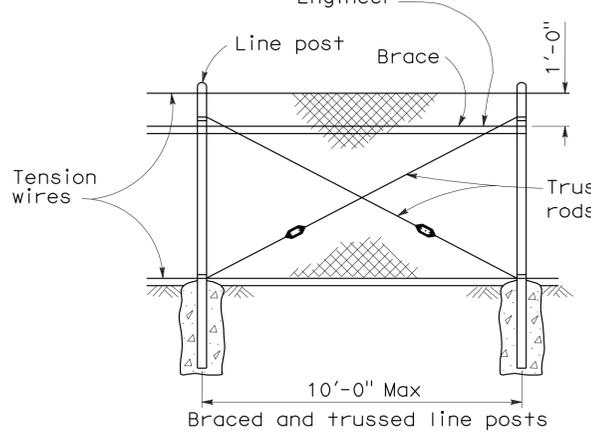
FENCE LOCATION



CHAIN LINK FENCE ON SHARP BREAK IN GRADE



Brace to be removed after all other fence construction is completed unless otherwise directed by the Engineer.



CHAIN LINK GATE INSTALLATION

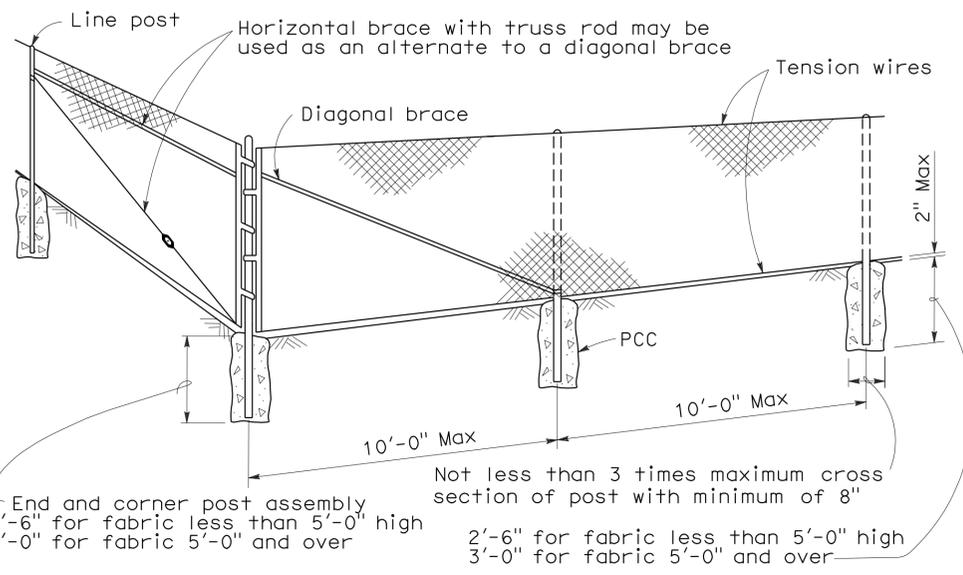
GATE POST			
FENCE HEIGHT	GATE WIDTHS	NOMINAL ID	WEIGHT PER FOOT
6'-0" and Less	Up thru 6'-0"	2 1/2"	4.95 LB
	Over 6'-0" thru 12'-0"	4"	10.79 LB
	Over 12'-0" thru 18'-0"	5"	14.62 LB
	Over 18'-0" to 24'-0" Max	6"	18.97 LB
Over 6'-0"	Up thru 6'-0"	3"	7.58 LB
	Over 6'-0" thru 12'-0"	5"	14.62 LB
	Over 12'-0" thru 18'-0"	6"	18.97 LB
	Over 18'-0" to 24'-0" Max	8"	28.55 LB

Above post dimensions and weights are minimums. Larger sizes may be used on approval of the Engineer.

NOTES:

- The below table shows examples of post and brace sections which may comply with the Specifications.
- Sections shown in the tables must also comply with the strength requirements and other provisions of the Specifications.
- Other sections which comply with the strength requirements and other provisions of the Specifications may be used on approval of the Engineer.
- Options exercised shall be uniform on any one project.
- Dimensions shown are nominal.
- Offset to be 2'-0" at monument locations, measured at right angles to R/W lines. Taper to achieve offset to be at least 20'-0" long.

FENCE HEIGHT	TYPICAL MEMBER DIMENSIONS (See Notes)									
	LINE POSTS			END, LATCH & CORNER POSTS			BRACES			
	ROUND ID	H	ROLL FORMED	ROUND ID	ROLL FORMED		ROUND ID	H	ROLL FORMED	
6' & less	1 1/2"	1 7/8" x 1 5/8"	1 7/8" x 1 5/8"	2"	3 1/2" x 3 1/2"	2" x 1 3/4"	1 1/4"	1 1/2" x 1 5/16"	1 5/8" x 1 1/4"	1 3/4" x 1 1/4"
Over 6'	2"	2 1/4" x 2"	2" x 1 3/4"	2 1/2"	3 1/2" x 3 1/2"	2 1/2" x 2 1/2"	1 1/4"	1 1/2" x 1 5/16"	1 5/8" x 1 1/4"	1 3/4" x 1 1/4"



CORNER POST

STATE OF CALIFORNIA
 DEPARTMENT OF TRANSPORTATION
CHAIN LINK FENCE
 NO SCALE

RSP A85 DATED JUNE 5, 2009 SUPERSEDES STANDARD PLAN A85
 DATED MAY 1, 2006 - PAGE 111 OF THE STANDARD PLANS BOOK DATED MAY 2006.

REVISED STANDARD PLAN RSP A85

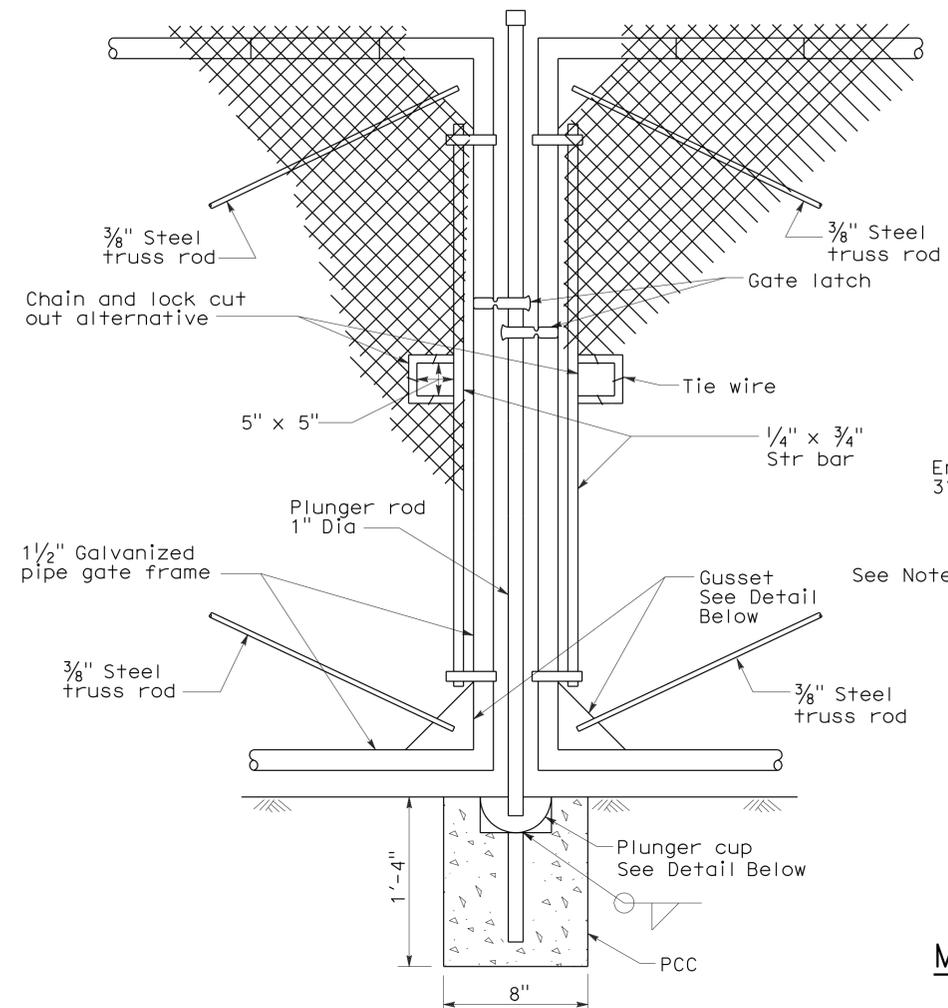
2006 REVISED STANDARD PLAN RSP A85

DIST	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET NO.	TOTAL SHEETS
03	ED	50	16.8/18.2	27	35

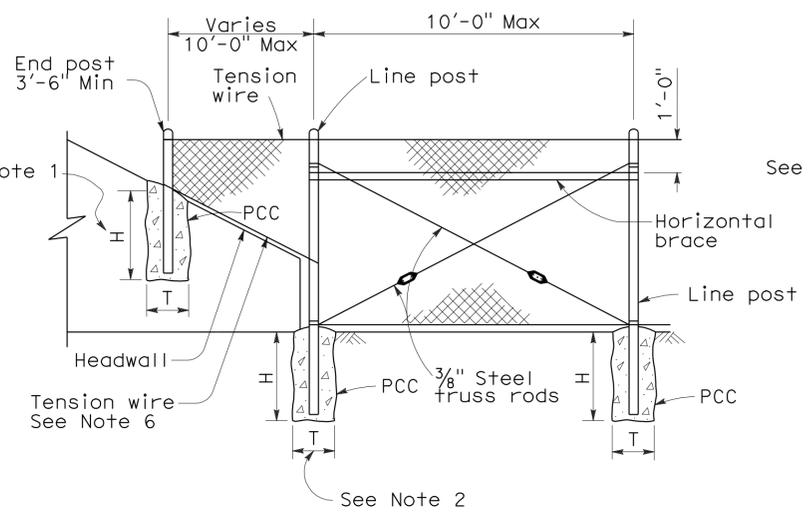
Glenn DeCou
 REGISTERED CIVIL ENGINEER
 June 5, 2009
 PLANS APPROVAL DATE
 The State of California or its officers or agents shall not be responsible for the accuracy or completeness of electronic copies of this plan sheet.

To accompany plans dated 12-7-09

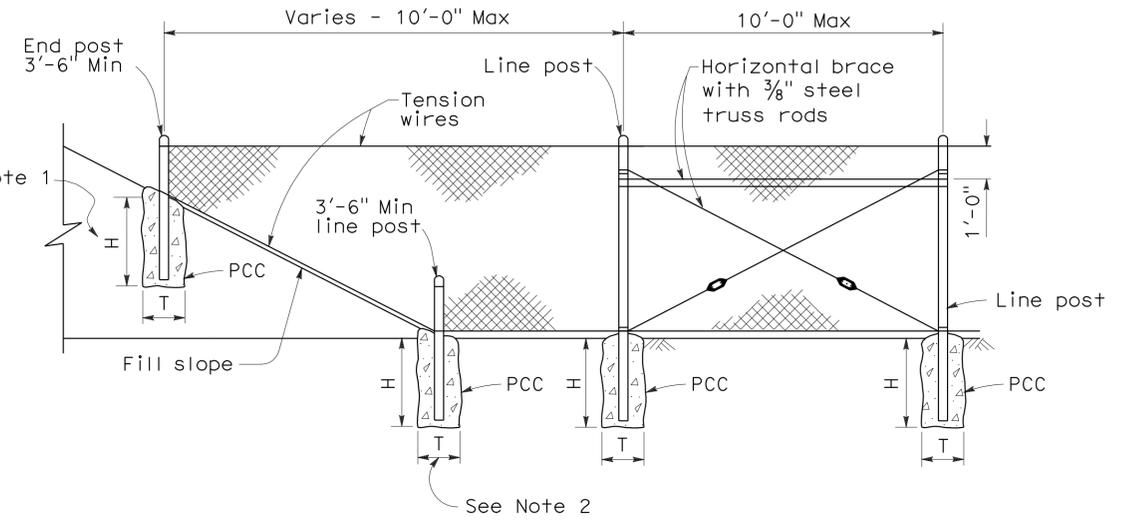
- NOTES:**
- H is 2'-6" for fabric less than 5'-0" high.
H is 3'-0" for fabric 5'-0" and over.
 - T is not less than 3 times maximum cross section of post with minimum of 8".
 - Arms with barbed wire to be used where shown on plans.
 - See Revised Standard Plan RSP A85 for Chain Link Fencing dimensions.
 - Reinforcing must comply with ASTM A 706.
 - See Detail A on New Standard Plan NSP A86B for connection at headwall.



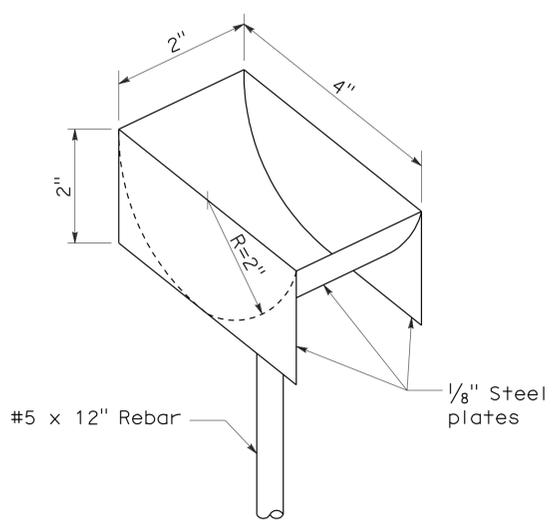
**TYPICAL DOUBLE GATE
REMOVABLE CENTER POST**



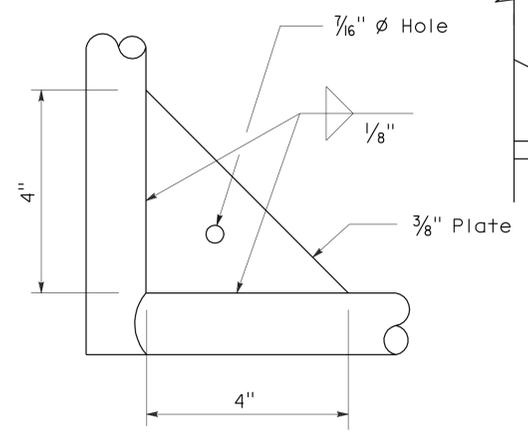
METHOD OF TYING FENCE TO HEADWALL



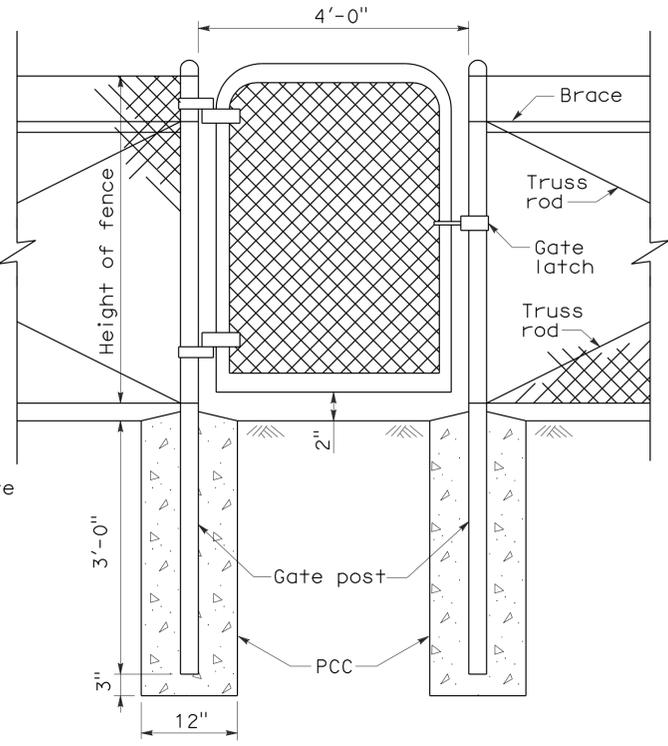
METHOD OF ERECTING FENCE FOR FILL SLOPE



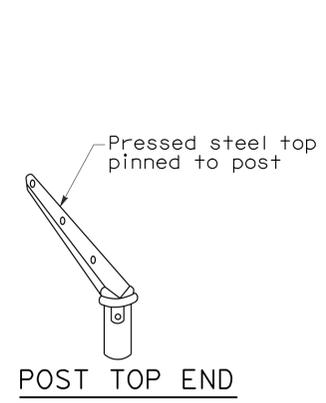
PLUNGER CUP DETAIL



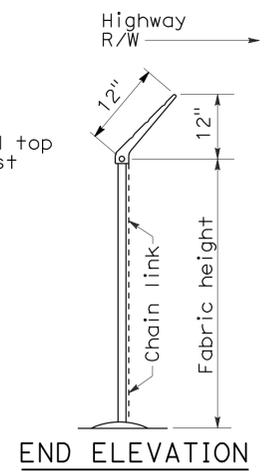
GUSSET DETAIL



WALK GATE

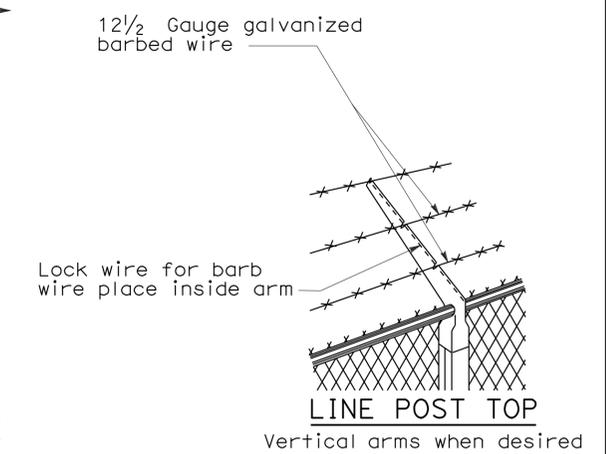


POST TOP END



END ELEVATION

BARBED WIRE POST TOP
See Note 3



LINE POST TOP

STATE OF CALIFORNIA
DEPARTMENT OF TRANSPORTATION
CHAIN LINK FENCE DETAILS
NO SCALE

NSP A85A DATED JUNE 5, 2009 SUPPLEMENTS THE STANDARD PLANS BOOK DATED MAY 2006.

NEW STANDARD PLAN NSP A85A

2006 NEW STANDARD PLAN NSP A85A

DIST	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET NO.	TOTAL SHEETS
03	ED	50	16.8/18.2	28	35

Glenn DeCou
 REGISTERED CIVIL ENGINEER
 No. C34547
 Exp. 9-30-09
 STATE OF CALIFORNIA

June 5, 2009
 PLANS APPROVAL DATE

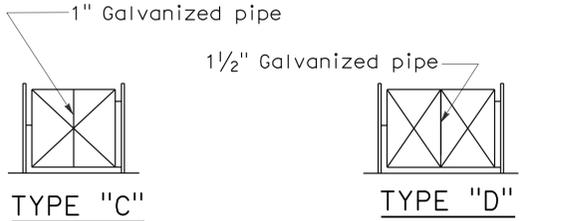
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To accompany plans dated 12-7-09



TYPE "A"
3' and 6' Single
6' and 12' Double

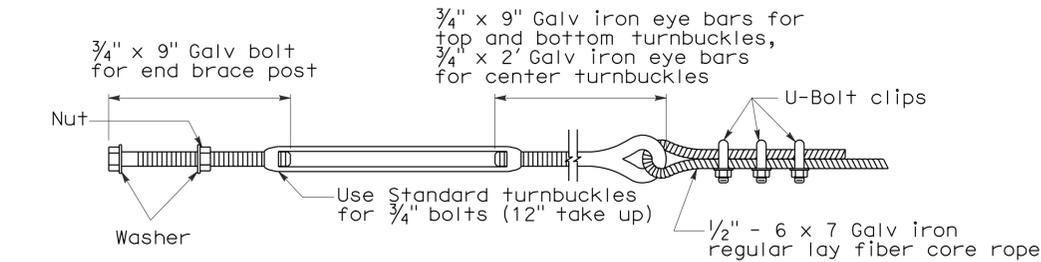
TYPE "B"
Over 6' to 12' Single.
Over 12' to 24' Double



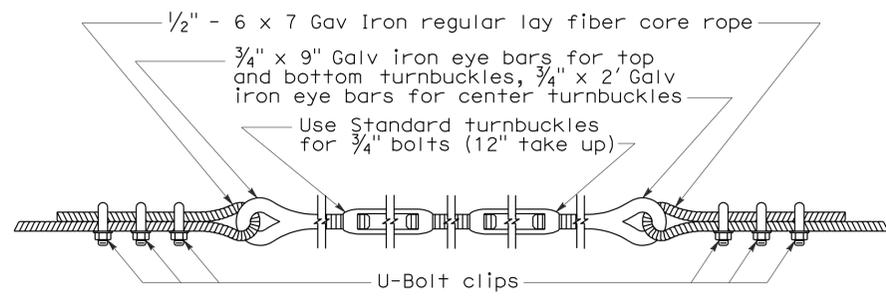
TYPE "C"
Over 12' to 18' Single
Over 24' to 36' Double.

TYPE "D"
Over 18' to 24' Single
Over 36' to 48' Double

TYPICAL FRAMEWORK SHOWING NUMBER OF BAYS IN GATE



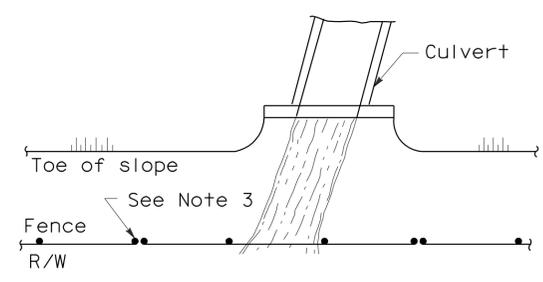
TURNBUCKLE A



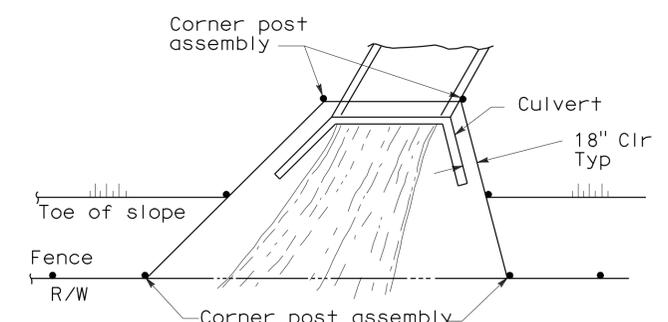
TURNBUCKLE B

NOTES:

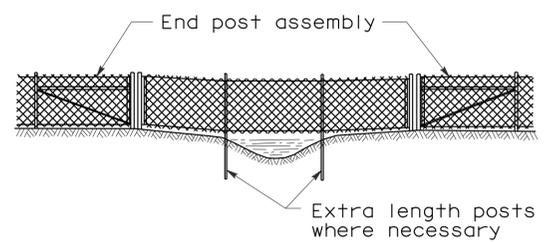
1. All material for abutment connection to be galvanized.
2. The chain link fabric shall be replaced by barbed wire strands at 12" maximum centers between the double posts.
3. When the width of the culvert makes it necessary to anchor a post to the top of the culvert, a cast iron shoe or other device approved by the Engineer shall be used.
4. Fencing over stream and around headwall may also use Barbed Wire or Wire Mesh fencing with either wood post or steel post installation.
5. See Revised Standard Plan RSP A85 for Chain Link fence dimensions. See Standard Plan A86 for Barbed Wire and Wire Mesh fence dimensions and for wood post and steel post installation.



PLAN

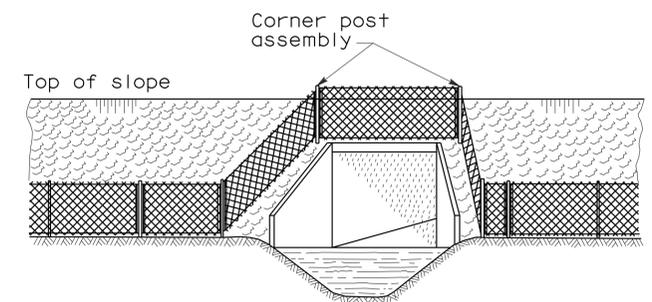


PLAN



ELEVATION

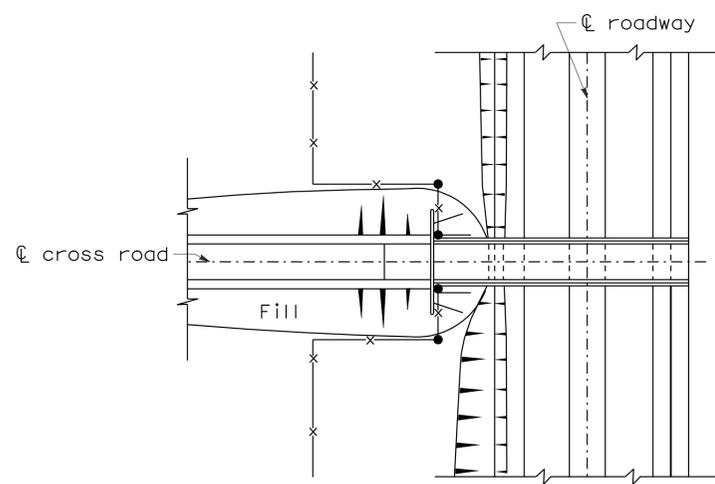
INSTALLATION OVER STREAM



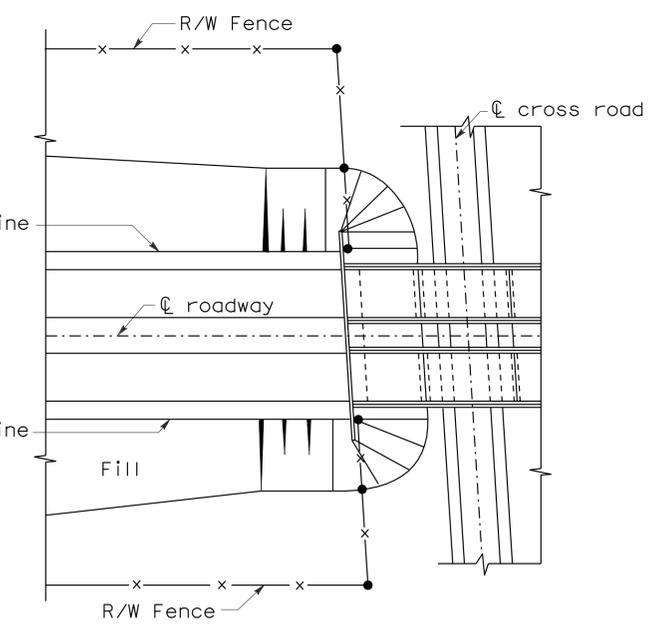
ELEVATION

INSTALLATION AROUND HEADWALL

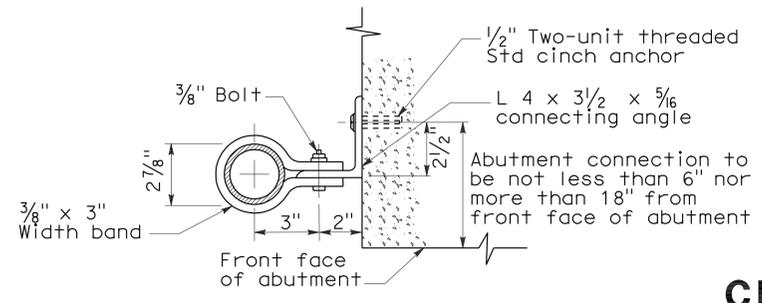
See Note 4



PLAN OF ROADWAY - UNDERPASS



PLAN OF ROADWAY - OVERPASS



ABUTMENT CONNECTION

TYPICAL INSTALLATION AT BRIDGES

STATE OF CALIFORNIA
DEPARTMENT OF TRANSPORTATION

CHAIN LINK FENCE DETAILS

NO SCALE

NSP A85B DATED JUNE 5, 2009 SUPPLEMENTS THE STANDARD PLANS BOOK DATED MAY 2006.

NEW STANDARD PLAN NSP A85B

2006 NEW STANDARD PLAN NSP A85B

DIST	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET NO.	TOTAL SHEETS
03	ED	50	16.8/18.2	29	35

Gregory A. Balzer
LICENSED LANDSCAPE ARCHITECT

June 5, 2009
PLANS APPROVAL DATE

Gregory A. Balzer
LICENSED LANDSCAPE ARCHITECT
2-28-11
5-14-09
DATE

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To accompany plans dated 12-7-09

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
03	ED	50	16.8/18.2	30	35

Gregory A. Balzer
 LICENSED LANDSCAPE ARCHITECT
 June 5, 2009
 PLANS APPROVAL DATE
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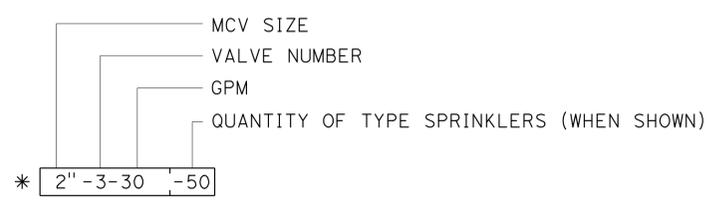
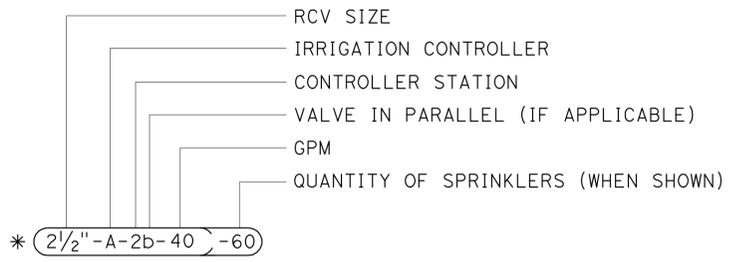
To accompany plans dated 12-7-09

2006 REVISED STANDARD PLAN RSP H2

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.

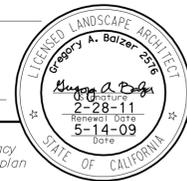
STATE OF CALIFORNIA
DEPARTMENT OF TRANSPORTATION
PLANTING AND IRRIGATION SYMBOLS
NO SCALE

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.

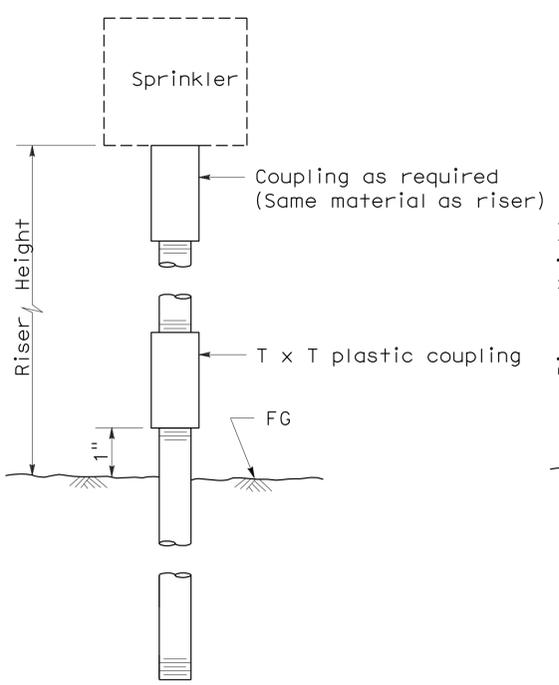
REVISED STANDARD PLAN RSP H2

DIST	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET NO.	TOTAL SHEETS
03	ED	50	16.8/18.2	31	35

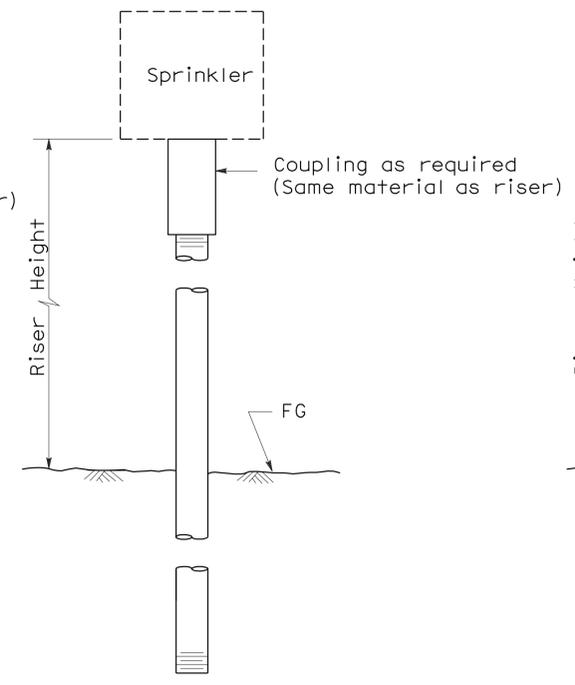
Gregory A. Balzer
 LICENSED LANDSCAPE ARCHITECT
 June 5, 2009
 PLANS APPROVAL DATE
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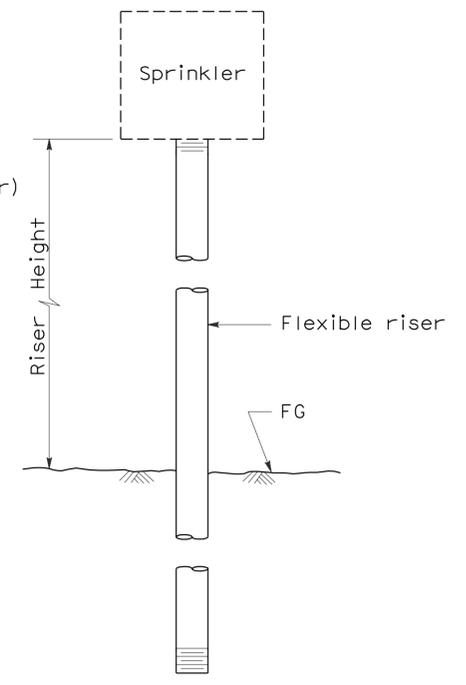
To accompany plans dated 12-7-09



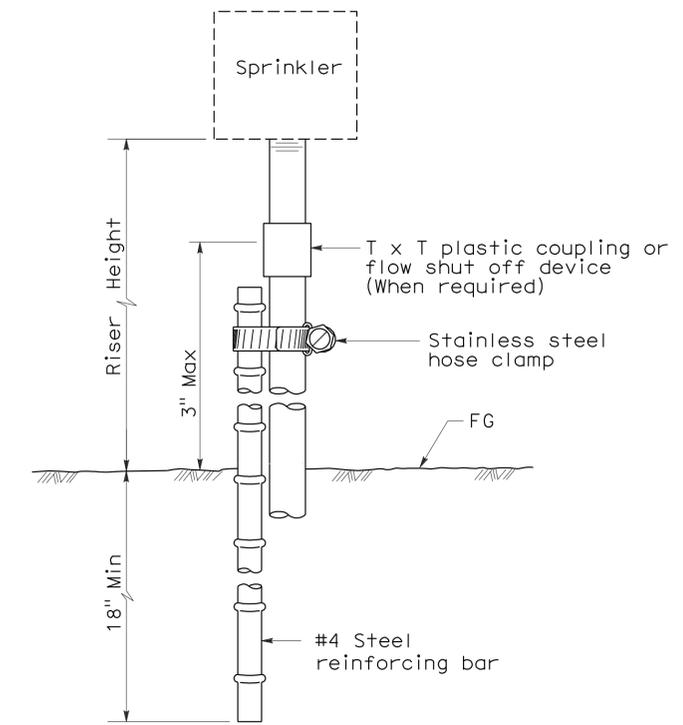
ELEVATION
RISER TYPE I



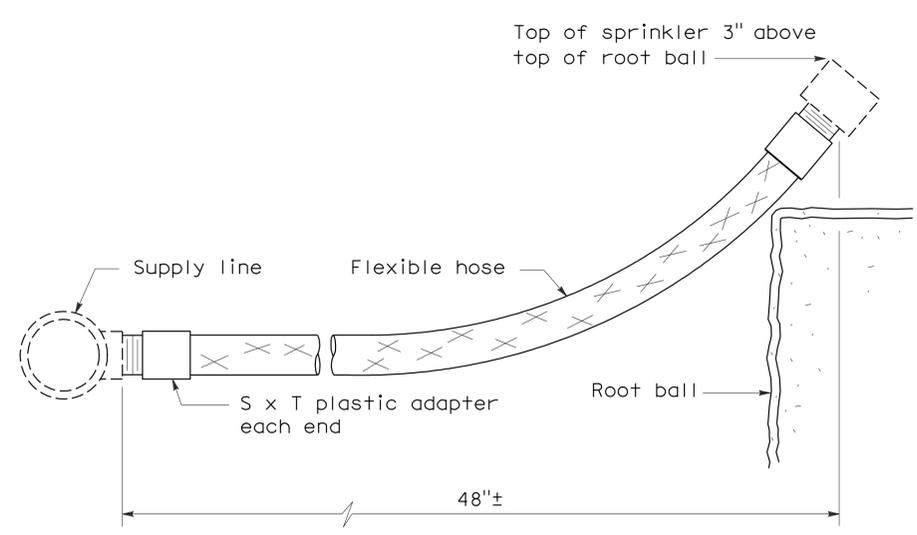
ELEVATION
RISER TYPE II



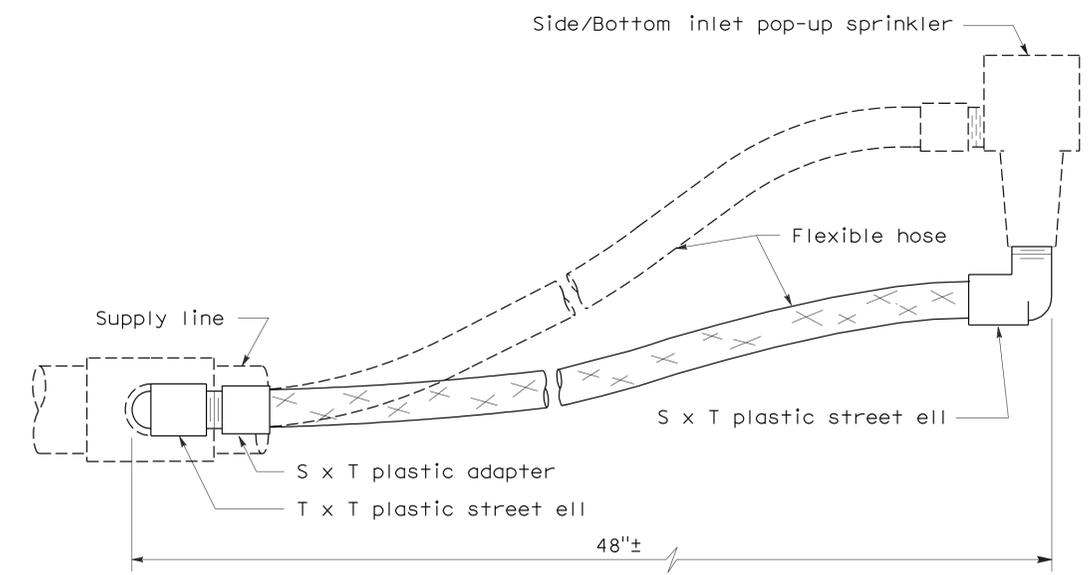
ELEVATION
RISER TYPE III



ELEVATION
RISER TYPE IV



ELEVATION
RISER TYPE V



ELEVATION
RISER TYPE VI

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

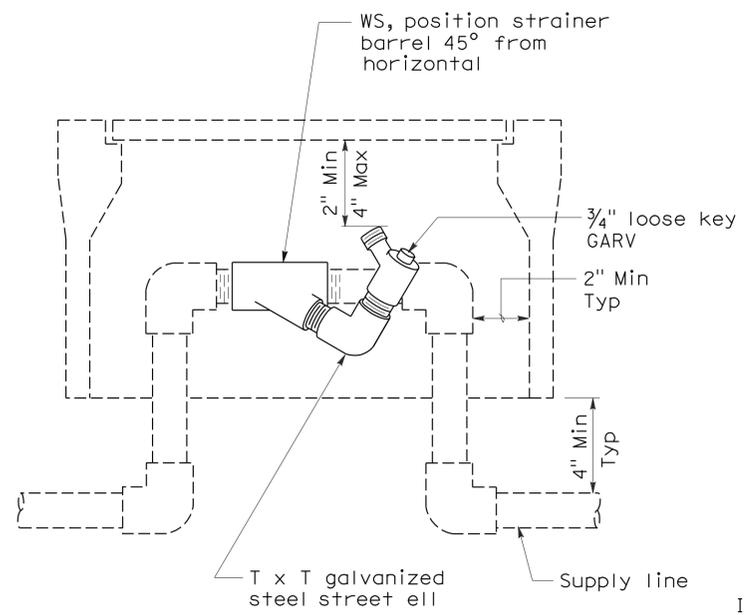
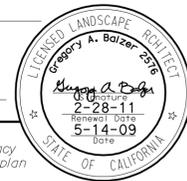
RSP H5 DATED JUNE 5, 2009 SUPERSEDES STANDARD PLAN H5
DATED MAY 1, 2006 - PAGE 205 OF THE STANDARD PLANS BOOK DATED MAY 2006.

REVISED STANDARD PLAN RSP H5

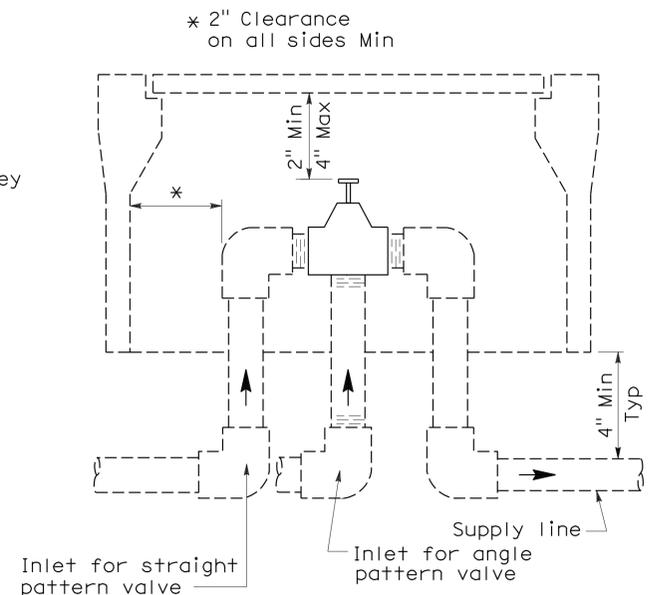
2006 REVISED STANDARD PLAN RSP H5

DIST	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET NO.	TOTAL SHEETS
03	ED	50	16.8/18.2	32	35

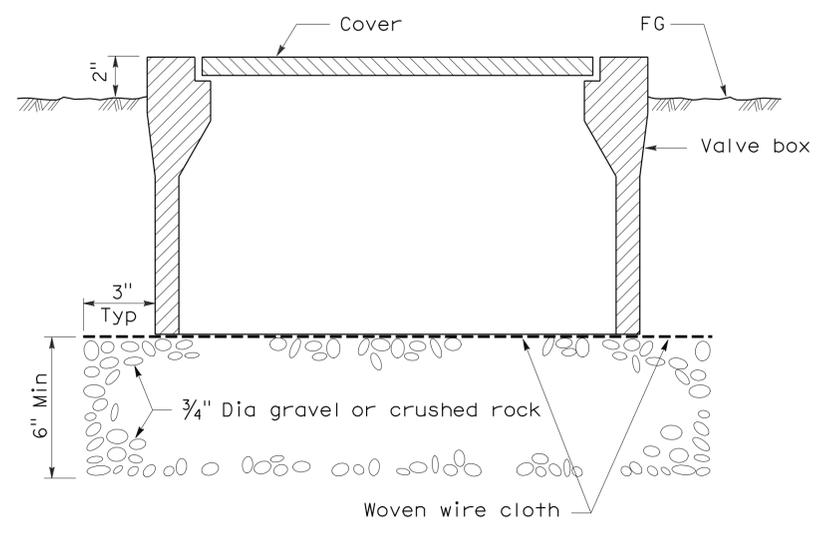
Gregory A. Balzer
 LICENSED LANDSCAPE ARCHITECT
 June 5, 2009
 PLANS APPROVAL DATE
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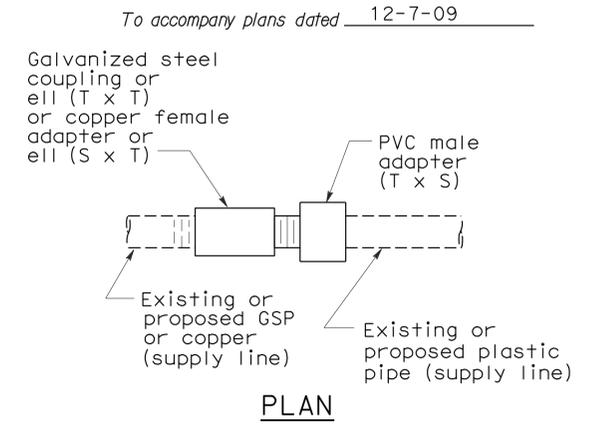
**ELEVATION
WYE STRAINER**



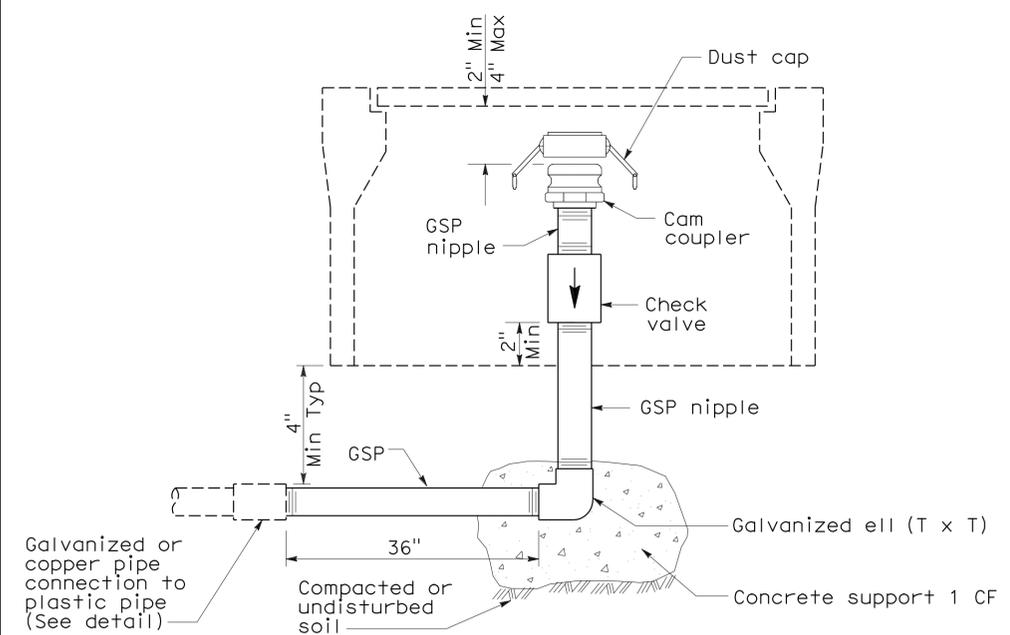
**ELEVATION
VALVE**



**SECTION
VALVE BOX**

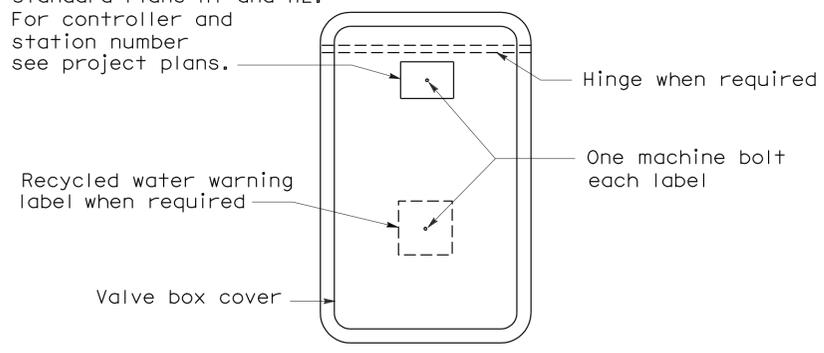


**PLAN
GALVANIZED OR COPPER PIPE
CONNECTION TO PLASTIC PIPE**

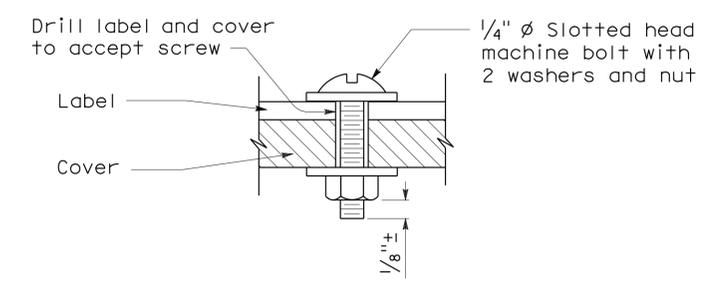


**ELEVATION
CAM COUPLER ASSEMBLY**

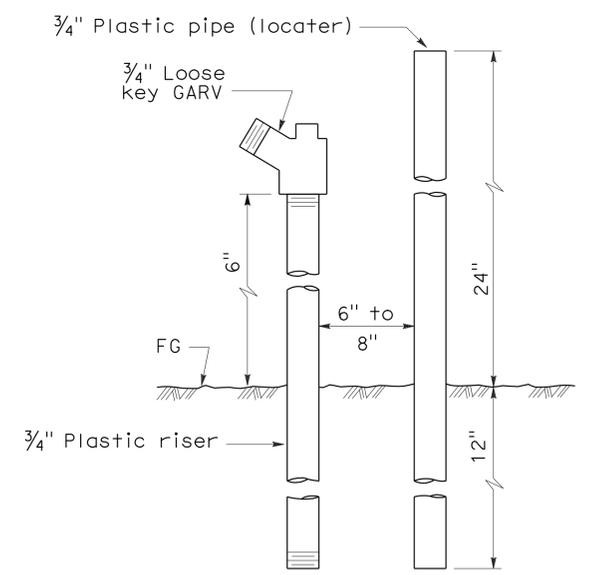
Identification label:
 For abbreviations see Revised Standard Plans H1 and H2.
 For controller and station number see project plans.



PLAN



**SECTION
VALVE BOX IDENTIFICATION**



**ELEVATION
FLUSH VALVE**

STATE OF CALIFORNIA
 DEPARTMENT OF TRANSPORTATION

**PLANTING AND IRRIGATION
DETAILS**

NO SCALE

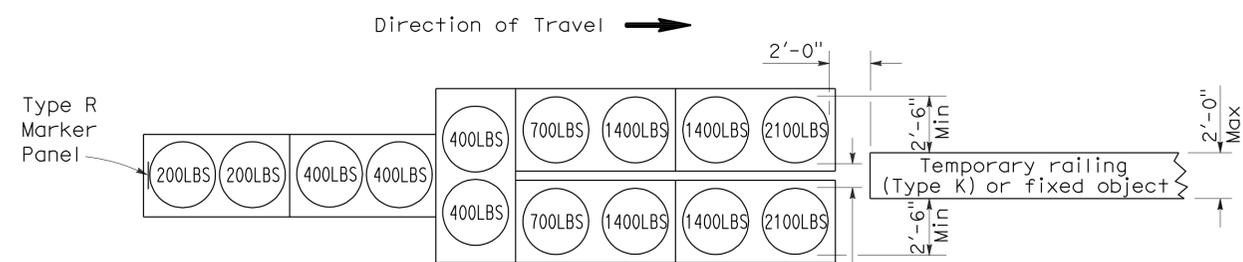
RSP H7 DATED JUNE 5, 2009 SUPERSEDES STANDARD PLAN H7
 DATED MAY 1, 2006 - PAGE 207 OF THE STANDARD PLANS BOOK DATED MAY 2006.

REVISED STANDARD PLAN RSP H7

2006 REVISED STANDARD PLAN RSP H7

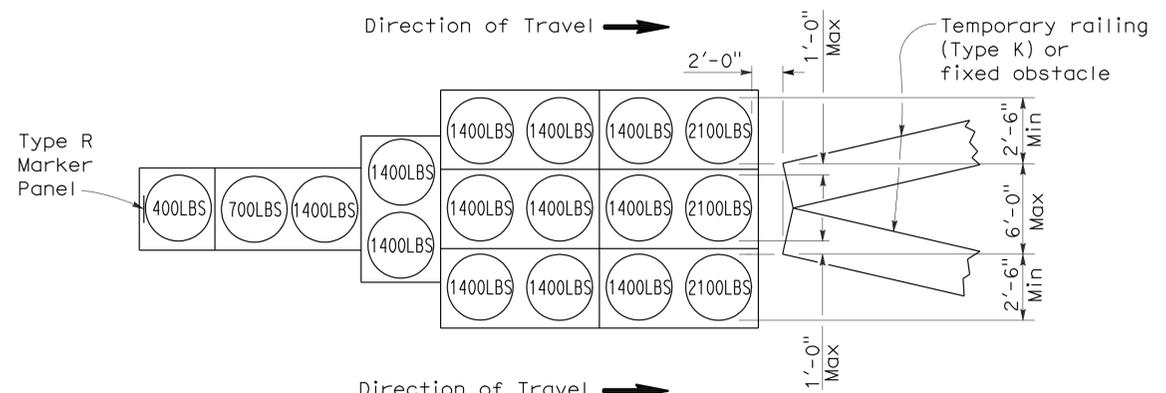
To accompany plans dated 12-7-09

2006 REVISED STANDARD PLAN RSP T1A



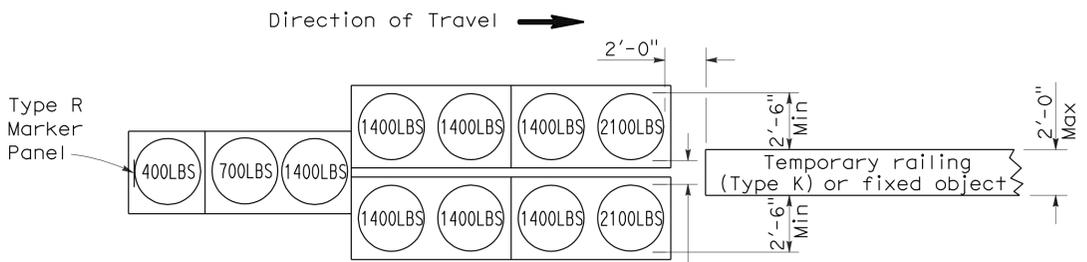
ARRAY 'TU14'

Approach speed 45 mph or more



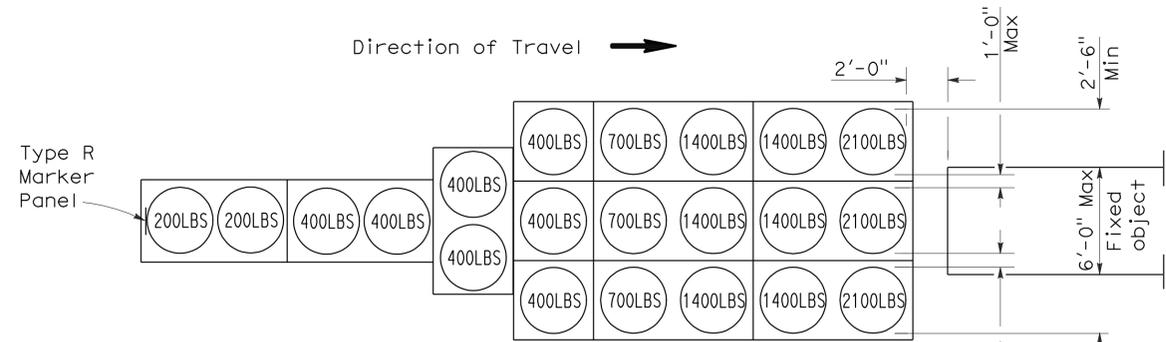
ARRAY 'TU17'

Approach speed less than 45 mph



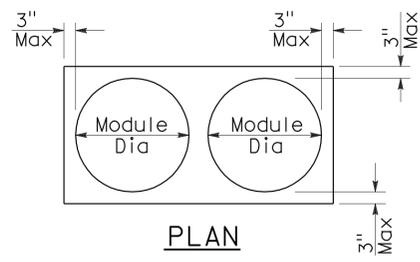
ARRAY 'TU11'

Approach speed less than 45 mph

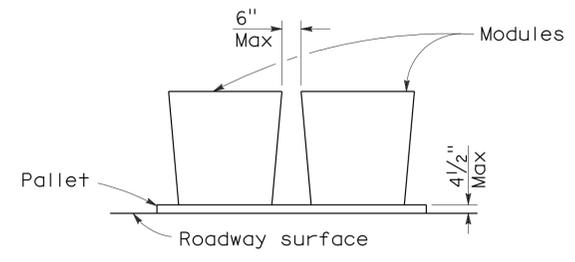


ARRAY 'TU21'

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
03	ED	50	16.8/18.2	34	35

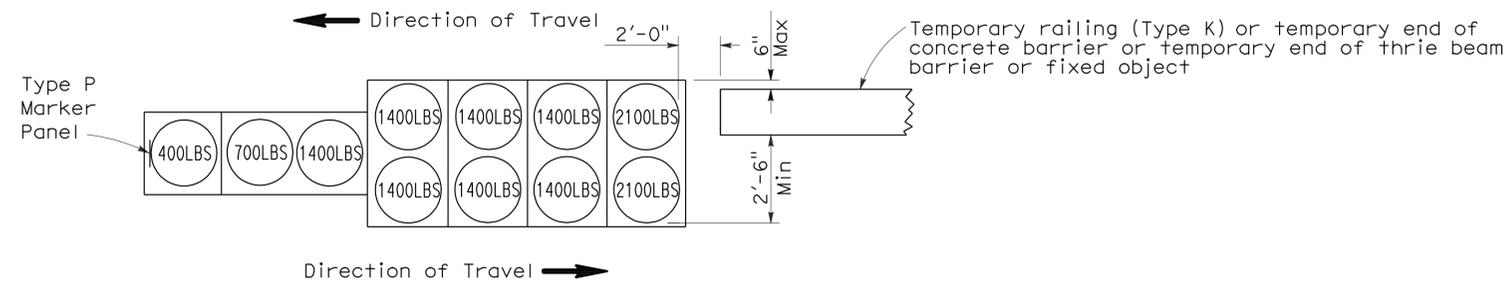
Randell D. Hiatt
REGISTERED CIVIL ENGINEER

June 6, 2008
PLANS APPROVAL DATE

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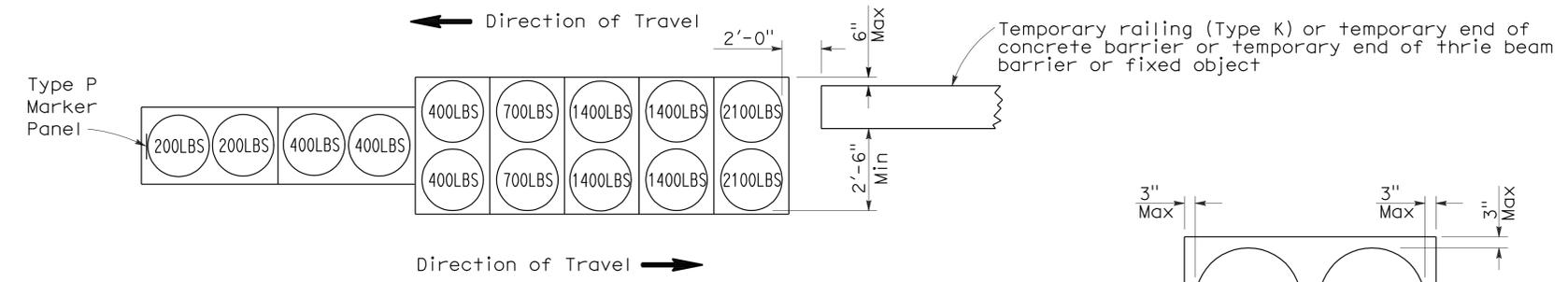
REGISTERED PROFESSIONAL ENGINEER
No. C50200
Exp. 6-30-09
CIVIL
STATE OF CALIFORNIA

To accompany plans dated 12-7-09



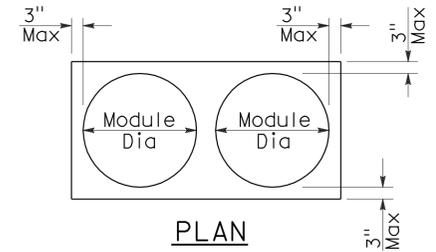
ARRAY 'TB11'

Approach speed less than 45 mph

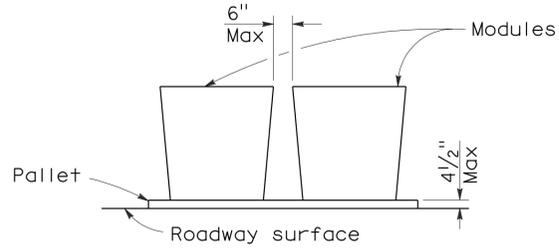


ARRAY 'TB14'

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
03	ED	50	16.8/18.2	35	35

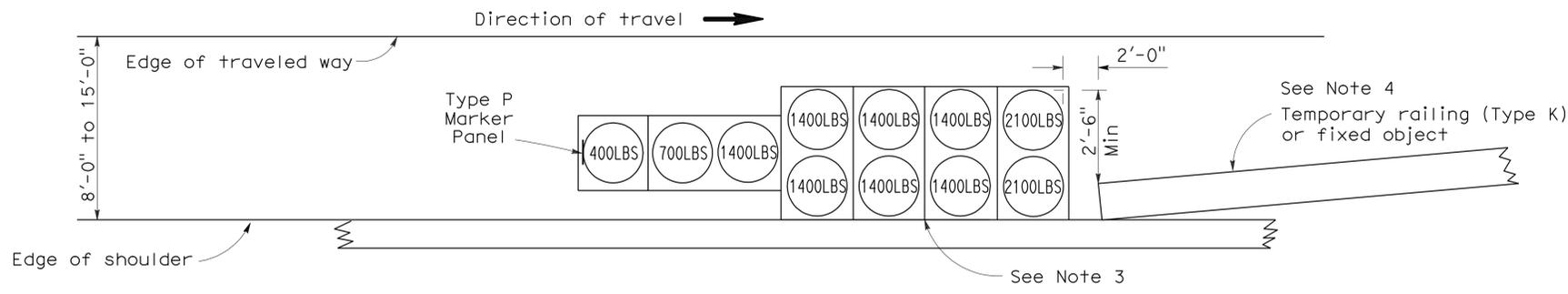
Randell D. Hiatt
REGISTERED CIVIL ENGINEER

June 6, 2008
PLANS APPROVAL DATE

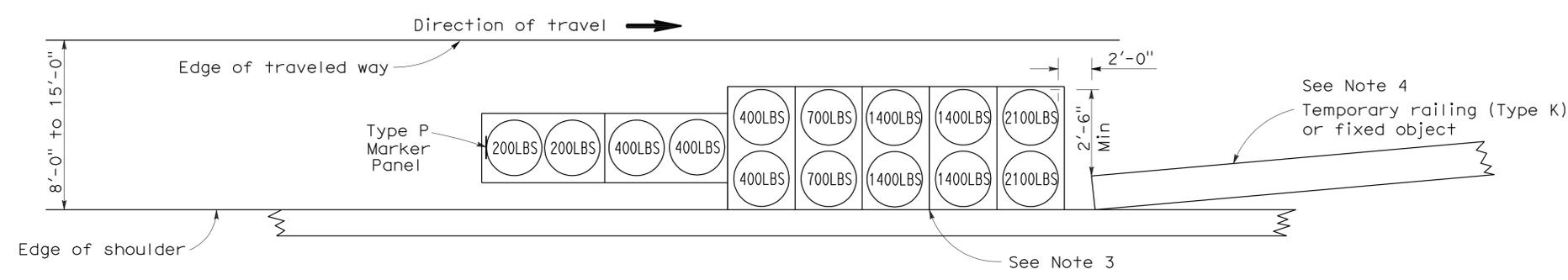
Randell D. Hiatt
REGISTERED PROFESSIONAL ENGINEER
No. C50200
Exp. 6-30-09
CIVIL
STATE OF CALIFORNIA

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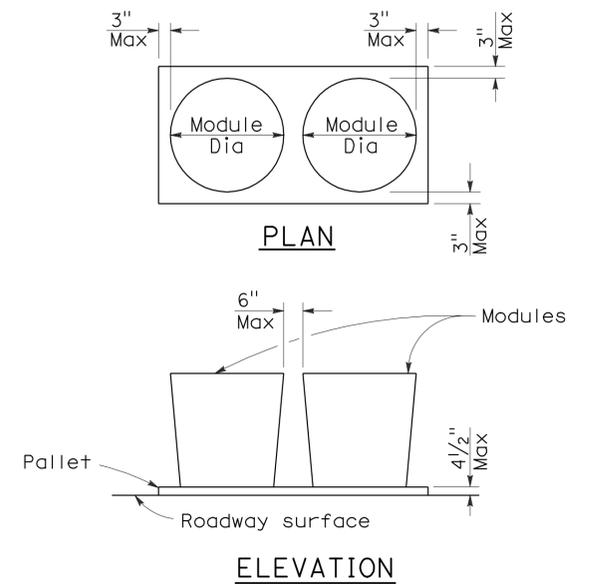
To accompany plans dated 12-7-09



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:

- (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.
- All sand weights are nominal.
- 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.
- 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.
- Temporary crash cushion arrays shall not encroach on the traveled way.
- Arrays for median shoulders shall conform to details shown on this plan for outside shoulders.
- Place the Type P marker panel so that the bottom of the panel rests upon the pallet and faces traffic.
- Refer to Standard Plan A73B for marker details.
- 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.
- Approach speeds indicated conform to NCHRP 350 Report criteria.
- 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